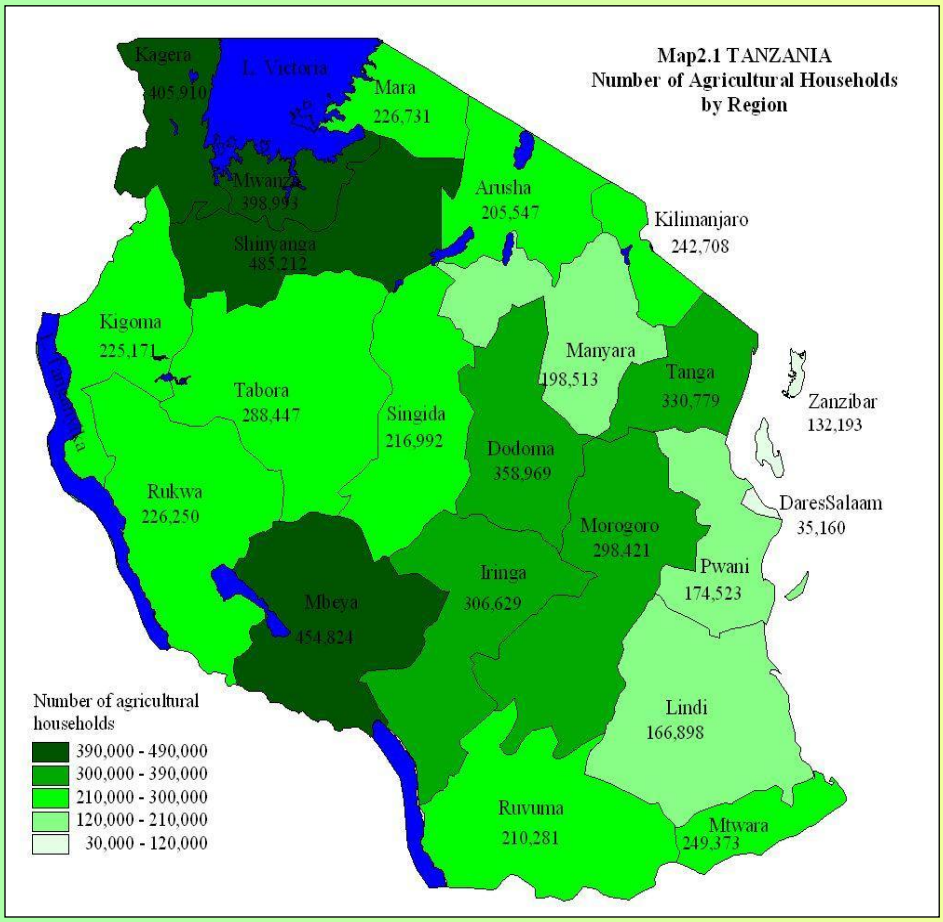
United Republic of Tanzania

NATIONAL SAMPLE CENSUS OF AGRICULTURE
SMALL HOLDER AGRICULTIRE
Volume II: CROP SECTOR – NATIONAL REPORT



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The National Bureau of Statistics and the Office of the Chief Government Statistician, Zanzibar

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Volume II: CROP SECTOR – NATIONAL REPORT

Ministry of Agriculture, Food Security and Cooperatives, Ministry of Livestock Development and Fisheries, Ministry of Water and Irrigation, Ministry of Agriculture, Livestock and Environment, Zanzibar,

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ACRONYMS AND ABBREVIATIONS

ASDP	Agricultural Sector Development Programme
CSPro	Census and Survey Processing Program
CSTWG	Censuses and Surveys Technical Working Group
DADIPS	District Agricultural Development and Investment Projects
DADO	District Agricultural Development Officer
DFID	Department for International Development
DIAS	District Integrated Agricultural Survey
DS	District Supervisor
EAS	Expanded Agricultural Survey
EAs	Enumeration Areas
EU	European Union
FE	Field Enumerator
GDP	Gross Domestic Product
GIS	Geographical Information System
ha	Hectares
hh	Household
IAS	Integrated Agricultural Survey
ICR	Intelligent Character Recognition
ID	Identity
IEC	Information, Education and Communication
JICA	Japanese International Cooperation Agency
LRS	Long Rainy Season,
MAFC	Ministry of Agriculture , Food Security and Cooperatives
MIT	Ministry of Industry and Trade
MLFD	Ministry of Livestock and Fisheries Development
NBS	National Bureau of Statistics
NGO	Non Governmental Organization
NMS	National Master Sample
NSCA	National Sample Census of Agriculture
NSGRP	National Strategy for Growth and Reduction of Poverty (MKUKUTA)
OCGS	Office of Chief Government Statistician
PMO-RALG	Prime Ministers Office, Regional Administration and Local Government

PPS	Probability Proportional to Size
PSU	Primary Sampling Unit
RS	Regional Supervisor
RSM	Regional Statistical Manager
SPSS	Statistical Package for Social Science
SRS	Short Rainy Season
TOT	Training of Trainers
UNDP	United Nations Development Programme
UNFAO	United Nations Food and Agriculture Organization

PREFACE

At the end of the 2007/08 Agricultural Year, the National Bureau of Statistics (NBS) in collaboration with the Ministries of Agriculture, Food Security and Cooperatives, Livestock and Fisheries Development; Water; Industry and Trade; the Prime Minister's Office, Regional Administration and Local Government (PMO/RALG) and the Office of the Chief Government Statistician, (OCGS), Ministries of Agriculture and Natural Resources; Livestock and Fisheries conducted the Agricultural Sample Census. This is the fourth Agricultural Census to be carried out in Tanzania, the first one was conducted in 1971/72, the second in 1993/94 and 1994/95 (during 1993/94 data on household characteristics and livestock count were collected and data on crop area and production in 1994/95), and the third was conducted in 2002/03.

The census collected detailed data on crop production, crop marketing, crop storage, livestock production, fish farming, and poverty indicators. In addition to this, the census was large in its scope and coverage as it provides data that can be disaggregated at district level and thus allow comparisons with the 2002/03 National Sample Census of Agriculture. The census covered smallholders in rural areas only and large scale farms. This report presents data disaggregated at regional level and it focuses on livestock kept by small holders and Large Scale Farms.

The extensive nature of the census in relation to its scope and coverage is a result of the increasing demand for more detailed information to assist in the proper planning of the agricultural sector and in the administrative decentralization of planning to district level. It is hoped that this report will provide new insights for planners, policy makers, researchers and others involved in the agricultural sector in order to improve the prevailing conditions faced by agricultural households in the country.

On behalf of the Government of Tanzania, I wish to express my appreciation for the financial support provided by the development partners, in particular, the Department for International Development (DFID) and the Japanese Government through the Japan International Cooperation Agency (JICA) and others who contributed through the pooled fund mechanism.

My appreciation also goes to all those who in one-way or the other have contributed to the success of the survey. In particular, I would also like to mention the enormous effort made by the Planning Group composed of professionals from the Agriculture Statistics Department of the National Bureau of Statistics, Ministry of Agriculture, Food Security and Cooperatives, Ministry of

Livestock Development and Fisheries, Ministry of Water and Irrigation, Ministry of Agriculture, Livestock and Environment, Zanzibar, the Prime Minister's Office, Regional Administration and Local Government, Ministry of Industries, Trade and Marketing and the Office of the Chief Government Statistician, Zanzibar, the Food and Agriculture Organization of the United Nations and the Censuses and Surveys Technical Working Group (CSTWG).

Finally, I would like to extend my sincere gratitude to all the professionals, the consultants, Regional and District Supervisors and field enumerators for their commendable work. Certainly without their dedication, the census would not have been successful.

Dr. Albina Chuwa
Director General
National Bureau of Statistics

EXECUTIVE SUMMARY

A total of 5,838,523 households engaged in agriculture (field and horticulture crop production, livestock and fish farming and pastoralism) were sampled of which 5,706,329 (97.7%) were in the Mainland and 132,193 (2.3%) were in Zanzibar. In the Mainland, large concentration of agricultural households were recorded in Shinyanga, Mbeya and Kagera regions each with about 400 -500,000 households, followed by Dodoma, Tanga, Iringa, and Mwanza each with about 300 - 400,000 households. Dar es Salaam region had the least number of households engaged in agriculture (35,160). In Zanzibar, 18,651 agricultural households were located in Urban West district and 32,895 in North Pemba district.

Nationally, the total usable land available was 14,642,284 ha of which 14,516,893 (99.1%) are located in the Mainland and 125,391 ha (0.9%) are located in Zanzibar. In all regions of the Mainland and Zanzibar, land utilization was above 70%. However, in Arusha, Kilimanjaro, Pwani, Shinyanga and Zanzibar, 90% or more of the land was utilized. Generally, land utilization per household has remained constant at an average of 2 ha in 2002/03 and 2007/08 Agriculture Sample Census. However, large variations existed between regions whereby in regions where land scarcity is less acute such as Shinyanga, Singida, and Tabora, the total utilizable land remained slightly above the 2002/03 national average. In all the regions, there was an attempt to utilize almost the entire usable land available as the majority of them maintained a land utilization rate of between 80 and 100%.

Most of the land (66%) was planted with annual crops while permanent or perennial crops occupied 15% and about 8% was planted with a mixture of annual and permanent crops. The remaining area (11%) was kept under fallow. Land sufficiency varied largerly between regions. For example, in Mtwara, Lindi, Ruvuma and Tabora regions, at least 50 percent of the households reported land sufficiency while all other regions reported land sufficiency below 50 percent. In the latter group, land scarcity was most acute in Mara, Manyara, Arusha and Kilimanjaro regions where 80 percent or more of the households reported of land insufficiency.

Nationwide, maize was the priority crop of choice for an overwhelming majority (5,107,264) of households across seasons followed by beans, paddy, groundnuts, sorghum and sweet potatoes, in that order, each engaging at least 500,000 households. However, the trend on the basis of areas planted was slightly different with maize still remaining on top of the table regardless of the

production season (total planted area 4,086,555 ha), followed by paddy (906,708 ha), beans (749,766 ha), cotton (574,836 ha) and (sorghum 568,650 ha).

Generally cereals were the main type of crops grown across the country occupying 5, 830,972 ha (71%) of the land under annual crops followed by pulses (chick peas, beans, cowpeas and green grams) planted on 1,002,819 ha (12%), oil seeds and oil nuts were planted on 966,583 ha and a very small proportion (1%) equivalent to 78,711 ha was planted with fruits and vegetables. A large proportion of all the crops were planted during the long rainy season with the exception of cereals for which the planted area for the short rainy season was about 20 percent of the planted area during the long rain season.

In several cases, both the quantities harvested and the productivity for all cereals have increased compared to 2002/03 regardless of the production season. However, productivity for the most popular cereals was highest for paddy (1.6 tons/ha) equivalent to 43.8 percentage increase compared to 2002/03, followed by maize with 38.5 percentage increase and sorghum with 40 percentage increase.

The greatest bulk of fruits and vegetables were produced in the Mainland and tomatoes was the single most dominant vegetable crop. The total area planted with tomatoes in the Mainland and Zanzibar was 26,612 ha (34% of total planted land) which produced the highest harvested quantity (321,128 tons or 63%) of the total harvested quantity of fruits and vegetables. Most fruits and vegetables are produced in the long rainy season, usually towards the end of the season, except the water melon for which both the area planted (1,865 ha) and the quantities harvested (10,585.4 tons) for the short rain season were higher than for the long rain season. In Zanzibar, both the number of households engaged in fruit and vegetable production and the area with these crops was limited but generally tomatoes was the leading crop in which the highest number of households (7,317) were involved and the harvested produce (6,141 tons) was higher than any other vegetable crop.

Most of the land in Tanzania (8,808,771 ha, 85%) was planted with annual crops and the remaining 15% (1,550,798 ha) was under permanent crops. This implies that, planted landarea is regularly worked out every year to prepare suitable seedbeds for planting. By contrast, the small land area planted with permanent crops indicates that most farmers depend on short term crops for both household food requirements and income generation. The total area of permanent crops planted by

smallholders and large scale farmers was 1,771,770 ha. However, permanent crop production was dominated by smallholders who cultivated 88% of the total area while only 12% of the area was planted by large scale farmers.

The total planted area under irrigation was 280,587 ha (277,820 ha on the Mainland and 2,777 ha in Zanzibar) representing only 3% of the total area with cultivated crops. A total of 280,597 ha were planted under irrigation (277,820 ha on the Mainland and 2,777 in Zanzibar). The largest areas planted with irrigation were in Kilimanjaro (36,607 ha), Mbeya (33,418 ha), Shinyanga (29,783 ha), and Arusha (29,783 ha). Moreover, the regions with the largest number of households using irrigation were Kilimanjaro (75,736) followed by Mbeya (47,568), Iringa (32,689) and Arusha (31,024). Other regions with households using irrigation (slightly more than 20,000 households) were Morogoro (27,765), Tanga (24,912), Ruvuma (20,354), Tabora (25,601), Shinyanga (26,541), and Mwanza (25,216).

Land cultivation was done by using various means including oxen/bulls, cows, donkeys, tractors and power tillers. In the overall, the use of these means was almost evenly distributed all over the country especially on the Mainland. The leading region in using oxen/bulls in land cultivation was Shinyanga with 8.8 percent of the total agricultural housholds followed by Mbeya (8.3%), Kagera (7.3%) and Mwanza (7.2%). In Zanzibar, the following were the leading regions in the use of oxen/bulls in land cultivation, North Pemba (24.8%), South Pemba (23.9%), and North Unguja (23.2%).

The planted area with improved seeds was 1,488,893 ha accounting for 17 percent of the total planted area. On the other hand, the planted area without improved seeds was 7,319,878 ha representing 83% of the total planted land area. Except Pwani, Kigoma, Kagera, Mwanza, and Mara regions on the Mainland where larger areas were planted with improved seeds in the long rains than during the short rains.

Fertilizer was only used on a low proportion of the area under cultivation. The use of fertilizer greatly varied across the regions. For example, organic fertilizer was widely used in Shinyanga (67,439 ha) followed by Singida (54,586 ha) and Tabora (53,339). On the other hand, Mbeya region was leading in the use of inorganic fertilizer with a total of 131,208 ha followed by Iringa (103,697ha) and Ruvuma (83,182 ha).

Insecticides were the most common pesticides used in the country accounting for 770,036 ha or 71 percent of the total planted area followed by herbicides (203, 175, 19%), and fungicides (105,124, 10%).

Farming households were involved in the selling of crops even though this varied across the regions. The regions with the highest percentage of households that sold crops were Kagera, Mbeya, Shinyanga, Mwanza, Tanga, Morogoro, and Dodoma. However, the majority (67%) of the households which reported various marketing problems indicated that too low open market prices as the most pressing marketing problem. Other reported problems were minor representing around 5% of the households including transport cost being too high (4.4%), crop markets being too far (4.9) and lack of transport (3%). The magnitude of each of these problems was felt more during the long rains than in the short rains.

The number of households which received extension advice was 3,849,829 while those which did not were 1,927,007 accounting for 67% and 33% of the households, respectively. Generally, access to extension advice by farming households varied greatly among regions. However, the proportion of households which received extension advice was highest in Dodoma (91.3%) followed by Kilimanjaro (83.2%), Manyara (82%), Iringa (80.4%), Arusha (80%), Mbeya (78.2%), and Dar es Salaam (73.8%). In contrast, the households which received the least extension advice were in Rukwa (48.8%), Lindi (40.8%), and Zanzibar (33.6%),

Soil erosion was a serious problem faced by the rural households. The number of households with soil erosion problems was 5,310,423 accounting for 91% of all the households. In contrast, only 528,219 or 9 percent reported not to have soil erosion problem. Kilimanjaro and Dodoma regions had the highest proportion of households with soil erosion (22.57%), followed by Manyara (21.78%), Dodoma (15.89%), and Iringa (14.695).

Based on the results of the census, the following key findings/recommendations are presented:

- Considering the small proportion of area under irrigation, crop production remains largely dependent on rainfall.
- Use of inorganic fertilizers is quite limited compared to the use of organic fertilizers.
- There is need to encourage and promote organic farming.

- In terms of productivity, the crop sector became less productive compared to 2002/03.

- The frequency of census and surveys in the past has provided essential data for determining trends and making relevant recommendations. There is therefore a great need to carry out agricultural censuses on a regular basis in the future.

- Although access to public-based extension services at national level was high, there is need to address reasons behind low access to the services in some regions.

Country Profile

This part of the report presents a short profile of Tanzania with particular attention paid to general information on land, climate, administrative set-up and population.

- **Geographical Location**

Tanzania lies South of the Equator between the great lakes Victoria, Tanganyika and Nyasa on one hand and the Indian Ocean on the other. It has frontiers with Kenya and Uganda to the North, Rwanda, Burundi and Democratic Republic of Congo to the West as well as Zambia, Malawi, and Mozambique to the South West and South respectively. Furthermore, Tanzania is located in the Eastern Africa region between Longitudes 29^0 and 41^0 East and Latitudes 1^0 and 12^0 South.

- **Land Area**

Tanzania has an area of approximately 945,000 km^2 which includes approximately 60,000 km^2 of inland water. Out of the 945,000 km^2, over 100,000 km^2 are devoted to reserves and national parks. The area of planted arable land is 9.5 million hectares.

- **Geographical Features**

The country has a vast central plateau sloping down towards the Indian Ocean. Except for a narrow belt along the 900 kilometers of the coastline, most of the land lies above 200 m altitude, and much of the country is higher than 1,000 meters above sea level. In the North there is Mt. Kilimanjaro, with a permanent ice cap, rises to over 5,500 meters with the highest peak Kibo reaching 5,895 meters. A distinctive feature of Tanzania is the Rift Valley. The great valley runs from near the mouth of the Zambezi River northwards through Tanzania, Kenya, Ethiopia, and across the Red Sea to Israel. The predominant types of vegetation include woodland, bushland, and grassland.

- **Climate**

The main climatic feature is the long dry spell from May to October, followed by a period of low rainfall which is often concentrated into relatively few days of heavy showers. The main rain season on the coast is from March to May but there is a second season from October to December. Total rainfall increases towards the North and around Lake Victoria rainfall is well distributed throughout the year with a peak experienced during March to May. The hottest and coolest period is October to mid-March and from June to September respectively. However, the range of temperatures is fairly limited and it is always hot between 25^0C and 30^0C on the coast and between 22^0C and 27^0C in the North.

- **Administrative Set-up**

By 2007/08, Tanzania Mainland was divided into 21 administrative regions namely: Dodoma, Arusha, Kilimanjaro, Tanga, Morogoro, Pwani, Dar es Salaam, Lindi, Mtwara, Ruvuma, Iringa, Mbeya, Singida, Tabora, Rukwa, Kigoma, Shinyanga, Kagera, Mwanza, Mara and Manyara. Each region is divided into districts (rural and urban). In total, there were 119 administrative districts and five cities – Dar es Salaam, Mwanza, Mbeya, Tanga and Arusha. The country has 120 ethnic groups with Kiswahili the official language. However, English is also used.

- **Population**

The last population and housing census was conducted in August 2002. According to the 2002 census, the population of Tanzania Mainland was 34.6 million giving an annual growth rate of 2.9 percent.

- **Agriculture**

The country's economy is heavily dependant on agriculture, which accounts for about 26% (down from 34.8% reported during the 2003 survey) percent of the GDP (the value of all goods and services produced by all factors of production resident in the country in one year) and about two-thirds of the total exports.

Agriculture is largely rainfed under which a variety of crops are produced mainly for subsistence. The main food crops grown in the country are maize, sorghum, millet, cassava, sweet potatoes, bananas, pulses, paddy and wheat. Cash crops are also grown and these include coffee, tea, tobacco, cotton and cashew nuts.

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1.0 BACKGROUND INFORMATION

Agriculture is an important economic sector of the Tanzanian economy as it provides the main source of food, employment, raw materials for industry, and an important source of foreign exchange earnings. Since Tanzania is endowed with a diversity of climatic and geographical zones, farmers grow a wide variety of food, cash crops as well as fruits, vegetables and spices. The contribution of crops sector to the national GDP is estimated at 18.2% (The Economic Survey 2008).

This report (Volume II) covers the Crop Sector at national level and includes Zanzibar estimates. It is divided into five main sections: Executive Summary, Introduction, Results, Conclusion and Recommendations and Appendices. The definitions relating to all aspects of this report can be found in the questionnaire (Appendix I). Other census reports include the Technical Report (Volume I), Livestock Sector Report (Volume III) and Large Scale Farms Report (Volume IV).

1.2 Introduction

In 2007, the Government of Tanzania launched 2007/08 National Sample Census of Agriculture as an important part of the Poverty Monitoring Master Plan. This plan supports the production of statistics for advocacy of effective public policy, including poverty reduction, access to services, gender and other planning purposes. The census is intended to support and fill in the information gap necessary for planning and policy formulation by high level decision making bodies. Besides, it is meant to provide critical data indicators for monitoring Agricultural Sector Development Progamme (ASDP) and other agricultural and rural development programmes as well as prioritizing specific interventions for agriculture and rural development – based programmes.

Following the decentralization of the Government's administration and planning functions, there has been a pressing need for agricultural and rural development data disaggregated at regional and district level. The provision of district level estimates provides essential information on the state of agriculture that support decision making by the Local Government Authorities and in the design of District Agricultural Development Programmes (DADPs) and District Agricultural Sector Investment Projects (DASIPs). The increase in investment is an important element in the National Strategy for Growth and Reduction of Poverty (NSGRP)

The 2007/08 Agriculture Sample Census was designed to meet the data needs of a wide range of users down to district level including policy makers at local, regional national levels, rural development agencies, funding institutions, researchers, NGOs, farmers organizations, and the like. The dataset is both extensive in its sample and detailed in its scope to meet the user demand.
The census was carried out in order to:

- To identify structural changes if any, in the size of farm household holdings, crop and livestock production, farm inputs and implement use. It also seeks to determine if there are any improvement in rural infrastructures and the level of agriculture household living conditions.

- Provide benchmark data on productivity, production and agricultural practices in relation to policies and interventions promoted by the Ministry of Agriculture and Food Security and other stakeholders.

- Establish baseline data for the measurement of the impact of high level objectives of the Agriculture Sector Development Programme (ASDP), National Strategy for Growth and Reduction of Poverty and other rural development programs and projects.

1.2.1 Census Coverage and Scope.

The 2007/08 Agricultural Sample Census was conducted for both large and small scale farms. This report covers small scale farms in details with some summary data from large scale farms in order to provide complete national estimates for some variables e.g. total livestock populations. The data was collected from a sample of 52,635 small scale agriculture households of which 48,880 were from the mainland and 4,755 from Zanzibar. Data was also collected from 1006 Large Scale Farms (968 on the Mainland and 38 in Zanzibar) on a complete enumeration basis.

Three different questionnaires were used to collect data on agriculture and related aspects. These were:

- Small scale farms questionnaire
- Community questionnaire
- Large scale farm questionnaire

The small scale farm questionnaire was the main census instrument and includes questions related to crop and livestock production and practices; population demographics; access to services, resources and infrastructure; and issues on poverty, gender. Main subjects covered during the study include:-

- Household demographics and activities of the household members.
- Land access/ownership/tenure and use
- Crop and livestock production and productivity
- Access to inputs and farming implements
- Access and use of credits
- Access to infrastructure (roads, district and regional headquarters, markets, advisory services, schools, hospitals, veterinary clinics)
- Crop marketing, storage and agro-processing
- Tree farming, agro-forestry and fish farming
- Access and use of communal resources (grazing, communal forest, water for human and livestock, beekeeping).
- Investment activities: Irrigation structures, water harvesting, erosion control, fencing.
- Off farm income and non agriculture related activities
- Household living conditions (housing, sanitary facilities, etc)
- Livelihood constraints Gender issues.
- Poverty Indicators

The community level questionnaire was designed to collect village data such as access and use of common resources, community tree plantation and seasonal farm gate prices. Large Scale Farm questionnaire was administered to all large scale farms either privately or corporately managed. Some data from the Large Scale Farm questionnaire is incorporated in this report, however, an in depth analysis of Large Scale Farms is presented in a separate report (Volume V).

1.3 Census Methodology

The main focus at all stage of census execution was on data quality and this is emphasized all the time. The main activities undertaken include:

- Census organization
- Tabulation plan preparation

- Sample design
- Design of census questionnaire and other instruments
- Pilot test
- Training of trainers, supervisors and enumerators
- Information Education and Communication (IEC) campaign
- Data collection
- Field supervision and consistency checks
- Data processing:
    - Scanning
    - Structure formatting application
    - Batch validation application
    - Manual data entry application
    - Tabulation preparation using SPSS
- Table formatting and charts using Excel, maps generation using Arc GIS and Excel Report preparation using Word and Excel

1.3.1 Census Organization

The census was conducted by the National Bureau of Statistics (NBS) in collaboration with Ministries of Agriculture, Food Security and Cooperatives, Livestock and Fisheries Development; Water; Industry and Trade; and Prime Minister's Office, Regional Administration and Local Government in Tanzania Mainland. The Office of the Chief Government Statistician, (OCGS), Ministries of Agriculture and Natural Resources Livestock and Fisheries in Zanzibar. At the national level the Census was headed by the Director General of the National Bureau of Statistics in collaboration with the Chief Government Statistician, Zanzibar The planning Group formed by the Director General of NBS and Chief Government Statistician consisted of staff from the Department of Agriculture Statistics of NBS, Department of Economic Statistics of OCGS, Department of Policy and Planning of the Ministry of Agriculture, Food Security and Cooperatives, Department of Policy and Planning of Ministry of Livestock and Fisheries Development in Tanzania Mainland. Ministry of Livestock and Fisheries and Ministry of Agriculture and Natural Resources in Zanzibar. The Planning Group was responsible for all census operations. Implementation on census activities at the regional level was overseen by the Regional Statistical Managers of NBS and the Regional Agriculture Supervisor from the Prime Minister's Office, Regional Administration and Local Government. At the district

level the Census activities were managed by two supervisors from the Prime Minister's Office, Regional Administration and Local Government (PMO-RALG). The supervisors managed the enumerators who also came from PMO-RALG. As for Zanzibar, the implementation of the census activities at regional level was overseen by the Regional Statistical Officers and Regional Agriculture Officers. At District level the implementation of the census activities were managed by District Agriculture Development Officers (DADOs). In addition, there was a national mobile team to supervise census operations.

The Census and Survey Technical Working Group (CSTWG) under MKUKUTA provided support in sourcing financing, approving budget, allocation and monitoring the progress of the Census. A Technical committee for the census was established with members from key stakeholder organizations and its function was to approve the proposed instruments and procedures developed by the Planning Group. It also approved the tabulation and analytical reports prepared from the Census data.

1.3.2 Tabulation Plan Preparation

The tabulation plan was developed considering the tabulations from previous census and surveys to allow trend analysis and comparisons as well as the needs of end users.

1.3.3 Sample Design

The mainland sample consisted of 3,192 villages. These villages were drawn from the National Master Sample (NMS) developed by the National Bureau of Statistics (NBS) to serve as national framework for the conduct of household based surveys in the country. The National Master Sample was developed from the 2002 Population and Housing Census. The total Mainland sample was 47,880 agricultural households. In Zanzibar a total of 317 Enumeration Areas (EAs) were selected and 4,755 agriculture households were covered. National wide, all regions and districts were sampled except four (three from Mainland and one from Zanzibar).

In both Mainland and Zanzibar, a two stage sample was used. The number of villages/Enumeration Areas (EAs) was selected for the first stage with a probability proportional to the number of villages/EAs in each district. In the second stage, 15 households were selected from a list of

households in each village/EA using systematic random sampling. Table 1.1 gives the sample size of households, villages and districts for Tanzania Mainland and Zanzibar.

Table 1.1: Census Sample

Description	Mainland	Zanzibar	Total
Households	47,880	4,755	52,635
Villages/EA's	3192	317	3,509
Districts	133	9	142
Regions	21	5	26

1.3.4 Questionnaire Design and other Census Instruments

The questionnaire was designed following users meetings to ensure that the questions asked were in line with the user data needs. Several features were incorporated into the design of the questionnaire to increase the accuracy of the data.

- Where feasible all variables were extensively coded to reduce post enumeration coding error.

- The definition for each section were printed on the opposite page so that the enumerator could easily refer to the instructions whilst interviewing the respondent

- The response to all questions was placed in boxes printed on the questionnaire, with one box per character. This feature made it possible to use scanning and Intelligent Character Recognition (ICR) technologies for data capture.

- Skip pattern were used to reduce unnecessary and incorrect coding of sections which do not apply to the respondent

- Each section was clearly numbered, which facilitated the use of skip patterns and provide a reference for data type coding for the programming of CSPro and SPSS

Three other instruments were used:

- Village Listing Forms were used for listing households in the village/EA and from this list a systematic sample of 15 agricultural households were selected.

- A training manual which was used by the trainer for the cascade/pyramid training of supervisors and enumerators

- Enumerator Instruction Manual was used as reference material

1.3.5 Field Pilot-testing of the Census Instruments

The questionnaire was pilot-tested in four locations (Arusha, Dodoma, Unguja and Pemba). This was done to check the wording, flow and relevance of the questions and to finalize crop lists, questionnaire coding and manuals. In addition, several data collection methodologies had to be finalized, namely, livestock numbers in pastoral communities, mixed cropping, use of percentages in the questionnaire and finalizing skip patterns and documenting consistency checks.

1.3.6 Training of trainers, Supervisors and Enumerators

During training, a cascade/pyramid training techniques were employed to maintain statistical standards. The top level of training was provided to 78 national and regional supervisors (65 from Mainland and 13 from Zanzibar). The trainers were members of the Planning Group from the National Bureau of Statistics, the sector Ministries of Agriculture and Office of the Chief Government Statistician, Zanzibar. In each region, three training sessions were conducted for the district supervisors and enumerators. The training concentrated on questionnaires, listing forms, field level census methodology and definitions. Emphasis was placed on consistency checking in the field. Tests were given to the enumerators and supervisors and the best 50 percent of the trainee were selected for the actual field work. The remaining 50% were assigned the work of listing the households in the villages they belong and they were later terminated. The best trained enumerators were assigned to list the remaining villages. Each enumerator was assigned to enumerate two villages.

1.3.7 Information, Education and Communication (IEC) Campaign

Radio, television, newspaper, leaflets, T-shirts and caps were used to create awareness of the Agricultural Sample Census to the public. This helped in sensitizing the public for the field level activities in order to increase the response rate. The T-shirts and caps were given to the field staff and the village chairpersons. The village chairperson assisted to locate the selected household.

1.3.8 Data Collection

Data collection activities for 2007/08 Agricultural Sample Census lasted for three months from June to August 2009. The interview method was used to collect data during census. Data collection was monitored by a hierarchical system of supervisors which included the Mobile Response Team, Regional and District Supervisors. The Mobile Response Team headed by the Manager of agriculture Statistics Department, provided overall direction to the field operations and responded to queries arising outside the scope of the training exercise. Decisions made on definitions and procedures were then communicated back to all enumerators via the Regional and District Supervisors. On the mainland, each region had 2 Regional Supervisors (total of 42) and 2 district supervisors per district (Total 266).

District supervision and enumeration were performed by staff from the Prime Minister's Office, Regional Administration and Local Government and the sector Ministry of Agriculture (PMO-RALG). Regional and national supervision was provided by senior staff from the NBS and sector Ministries of Agriculture. In Zanzibar, the enumeration was conducted by staff from the Ministry of Agriculture and Natural Resources and Ministry of Livestock and Fisheries. Supervision was provided by senior officers of the same Ministries and the Office of the Chief Government Statistician.

During the household listing exercise, 3,192 extension staff Participated on the Mainland. A total of 177 enumerators participated during listing exercise and enumeration of the small holder questionnaire in Zanzibar. A total of 1,596 enumerators were involved in data collection of the small holder questionnaire on the Mainland. Additional five percent enumerators were held as reserves in case of drop outs during the enumeration exercise.

1.3.9 Field Supervision and Consistency Checks

Enumerators were trained to probe the respondents until they were satisfied with the responses given before they recorded them in the questionnaire. The first check of the questionnaire was carried out by enumerators in the field during enumeration, followed by District, Regional and National supervisors. Supervisory visits at all levels of supervision focused on checking on the completeness of the questionnaires and consistency. Inconsistencies encountered were corrected,

and where necessary a call back to the respondent was made by the enumerator to obtain the correct information. Further quality control checks were made by the supervisors in the district

1.3.10 Data Processing

Data processing involved the following process:

- Data entry
- Data structure formatting
- Batch validation
- Tabulation

Data entry

Scanning and ICR data capture technology was used. This did not only increase the speed of data entry but also increased the accuracy due to reduction of keystroke errors. Interactive validation routines were incorporated into the ICR software to trap errors during the verification process.

Prior to scanning, all questionnaires underwent a manual cleaning exercise by checking that the questionnaire had a full set of pages, correct identification and good handwriting. A score was given to each questionnaire based on the legibility and the completeness of enumeration. This score will be used to assess the quality of enumeration and supervision.

CSPro was used for data entry of questionnaires that were rejected by ICR extraction application.

Batch validation

A batch validation program was developed in CSPro in order to identify inconsistencies within a questionnaire. This is in addition to the interactive validation during the ICR extraction process. The procedures varied from simple range checking within each variable to more complexes checking between variables. After data cleaning, the tables were prepared based on a pre-designed tabulation plan.

Tabulation

Statistical Package for Social Sciences (SPSS) was used to produce the Census tables and Microsoft Excel was used to organize the tables and compute the additional indicators. Excel was also used to produce charts while Arc GIs was used for the maps.

Report Writing

The report writing was outsourced to Sokoine University of Agriculture. It focuses on the regional comparisons, time series and national estimates. Microsoft Excel was used to produce charts; Arc GIS and Excel were used to generate maps, whereas Microsoft Word was used to compile and write the report.

Data quality Control

A great deal of emphasis was placed on data quality throughout the whole exercise, from planning; questionnaire design, training supervision, data entry, validation and cleaning/editing. As a result of this, it is believed that the census is highly accurate and representative of what was experienced at the field level during the census year. With very few exceptions, the variables in the questionnaire are within the norms for Tanzania and they follow expected time series trends when compared to historical data.

1.4 Funding Arrangements

The Agricultural Sample Census was supported mainly by the Department for International Development (DFID) and Japan International Cooperation Agency (JICA) who financed most of the operational activities. Other funds for operational activities came from the Government of Tanzania, In addition, technical assistance was provided by the Food and Agriculture Organisation (FAO).

2.1 CROP RESULTS

2.1.1 Household Characteristics

2.1.1.1 Demographics

The 2007/08 Agricultural Sample Census covered rural agriculture households only. The chapter contains details of rural agricultural smallholders in Tanzania in relation to demographics, household characteristics, literacy and education of the rural agricultural population, livelihood activities, off-farm income, agriculture credit, living conditions and access to resources. It therefore contains data on poverty issues and, where possible, it compares data with previous censuses and surveys.

The population of rural agricultural smallholder households in Tanzania is 31,013,026 (30,264,358 Mainland and 748,668 Zanzibar), of which, 15,487,217 are males (15,114,238 Mainland and 372,978 Zanzibar) and 15,525,810 are females (15,150,120 Mainland and 375,690 Zanzibar). According to population estimates/projections, the rural population has increased from around 15 million (1988 population and housing census) to approximately 25 million rural agricultural population in 2003 and 31 million in 2007/08 Agricultural Sample Census (table 2.1).

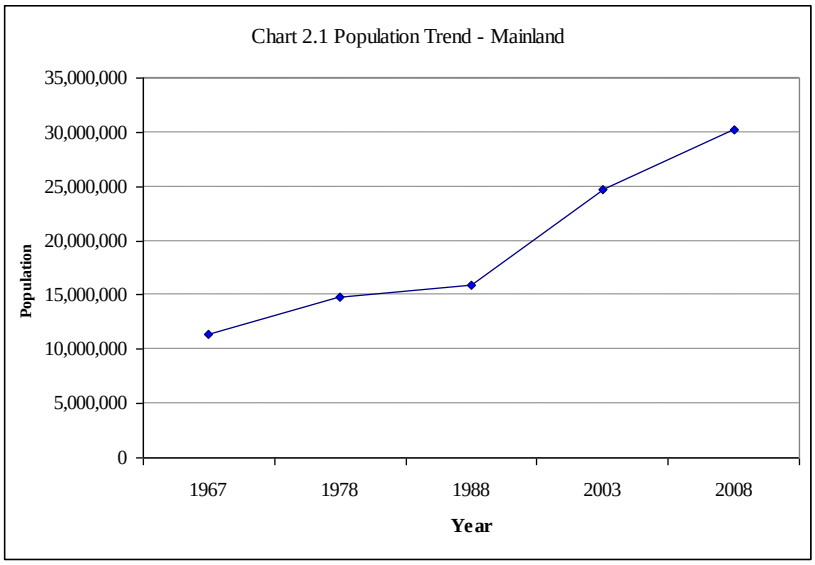
Table 2.1 Number of Agricultural Household Members By Sex and Broad Age Group, 2007/08 Agricultural Year, Tanzania

Age Group	Sex						Sex Ratio
	Male		Female		Total		
	Number	%	Number	%	Number	%	
Less than 4	2,162,414	14	2,127,332	14	4,289,746	14	1.02
5 - 14	4,792,811	31	4,547,310	29	9,340,121	30	1.05
15 - 64	7,868,086	51	8,246,542	53	16,114,627	52	0.95
65+	663,906	4	604,626	4	1,268,532	4	1.10
Total	**15,487,217**	**100**	**15,525,810**	**100**	**31,013,026**	**100**	**1.00**

2.1.1.2 Population Trend and Structure

The rural population of Tanzania Mainland kept on increasing from post independence.

The 1967, 1978 and 1988 are the population and housing census data while the 2003 and 2008 data are the rural agricultural population projections/estimates. The increase between 1988 and 2008 shows a higher increase than that of between 1967 and 1988 (Chart 2.1).



The population pyramid (Chart 2.2) shows that the population of Tanzania is characterised by a young population. The chart shows that there is an out-migration of males from rural areas to urban areas in the 20 – 39 years age group. This could be due to persons looking for work in urban areas. The out-migration of female population in the same age group is less than that of males. This may be because males are always the first to migrate and female follow later.

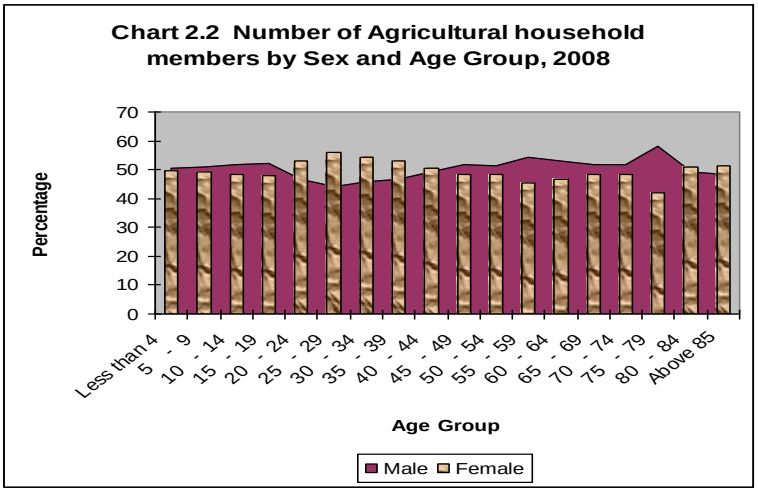
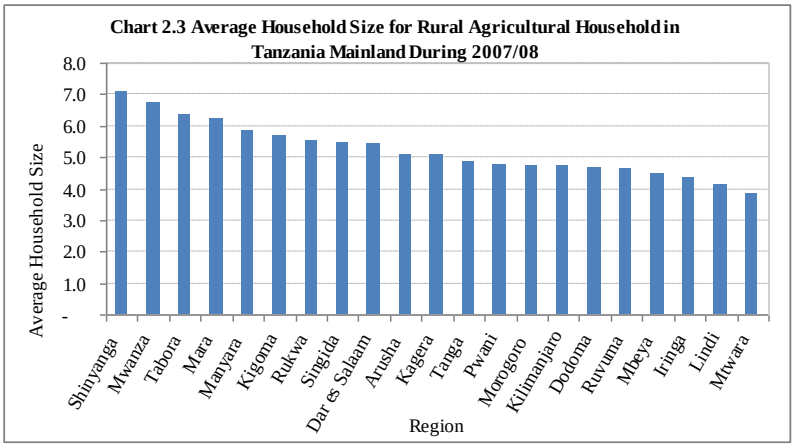


Table 2.1 shows that about 44 percent of the 2008 population was below 15 years of age. The 15-64 years age group which participates most in production accounted for 52 percent of the rural agricultural population and only 4 percent of the population was above 65 years. The dependency ratio was 92 percent which is very high. Generally, countries that have very high birth rates also have high dependency ratios because of the



large proportion of children in the population. In 2008 the overall sex ratio of the rural agricultural population is 100 males for every 100 females compared to 99 males for every 100 females in 2002/03.

2.1.1.3 Household Size

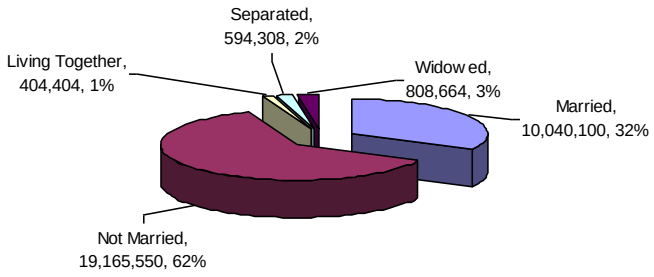
The total number of rural agricultural households in Tanzania during 2008 is 5,838,523 compared to 4,901,837 during 2003 of which 5,706,329 were in the Mainland during 2008 and 4,805,315 in 2003, while 132,193 were in Zanzibar during 2008 and 96,522 in 2003. There were 4,651,702 male headed households during 2008 and 3,935,761 in 2003, while 1,186,820 female headed household in 2008 and 966,076 in 2003. The average household size for rural agricultural households in Tanzania is 5.3 members per household as compared to 5.2 during 2003.

Shinyanga Region is the leading region with the highest average persons per household (7.1) followed by Mwanza (6.8) and Tabora (6.4). Lindi and Mtwara regions have the smallest household sizes (4.1 and 3.8) respectively (Chart 2.3). The average household size for Zanzibar is 5.7 persons per household which is slightly higher than that of the Mainland. About 20 percent of the households in Tanzania are female headed households.

2.1.1.4 Marital Status

The total number of heads of households who were married in Tanzania are 4,613,959 (4,232,085 males and 381,875 female), those living together are 125,171 (97,193 males and 27,979 females), those who were separated are 313,774 (101,226 males and 212,548 feamles), while 529,396 (83,979 males and 445,417 females) heads of households are widowed. Out of the total of 5,838,523 heads of agricultural households in Tanzania, 4,504,359 (4,132,230 males and 372,129 females) were married in the Mainland and 109,600 (99,854 males and 9,746 females) were married in Zanzibar.

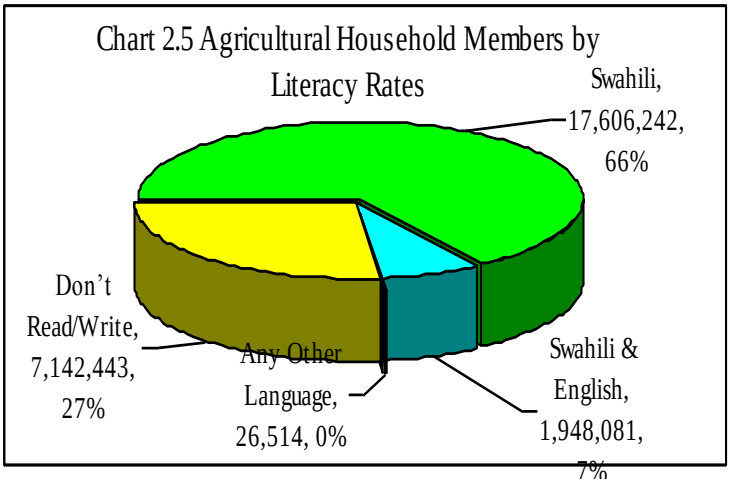
Chart 2.4 Number and Percentage of Household Members by Marital Status

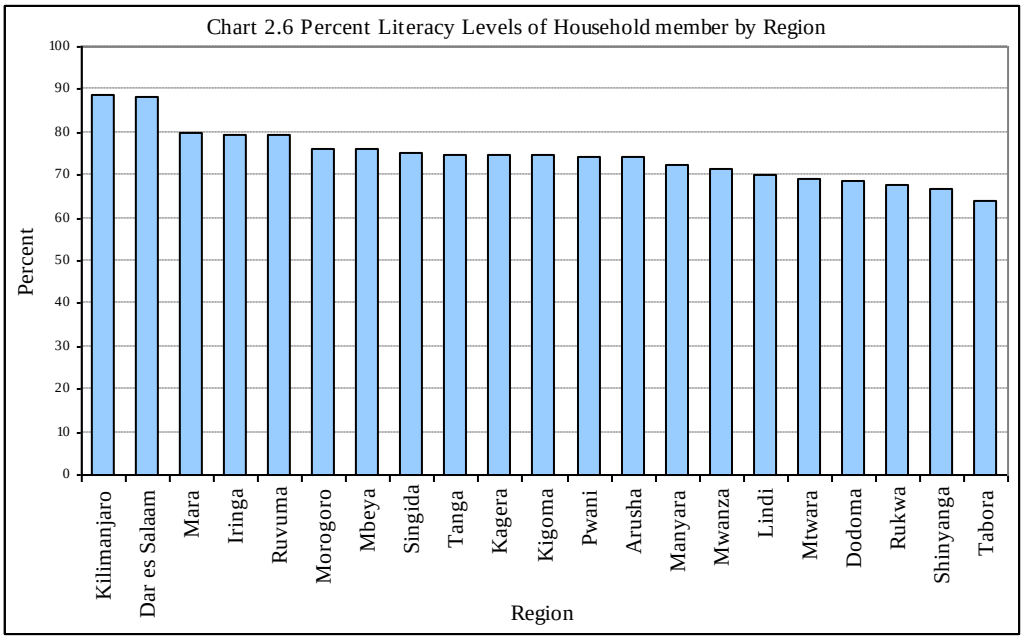


The marital status question was asked to all members of the households, therefore, the not married category includes yougsters who represent 62 percent (Chart 2.4). The married were 32 percent, widowed, 3 percent, separated, 2 percent and living toghether 1 percent. The separated category includes those who were divorced.

2.1.1.5 Literacy and Education of Rural Agricultural Population

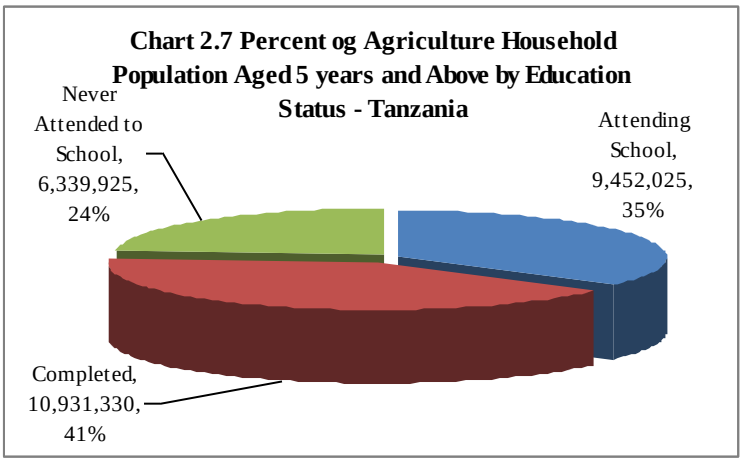
Information on literacy and education attainment were obtained from all persons aged five years and above in all the sampled households. Literacy in Tanzania is defined as the ability to read and write a simple sentence in Kiswahili only, English only, both English and Swahili or in any other language.The literacy rate is highest in Kiswahili with 65 percent of the rural agricultural population, followed by both Kswahili and English (7.3%).





Generally literacy rate has increased from 61.2 percent in 2003 to 65 percent in 2008, while the rate for those who are able to read and write both Kiswahili and English has increased from 4.9 percent in 2003 to 7.3 percent in 2008. However literacy in any other languages is very low (less than 1%) (Chart 2.5). The percentage of those who were not able to read and write went down from 33.7 percent in 2003 to 26.7 percent in 2008. This shows an improvement in literacy.

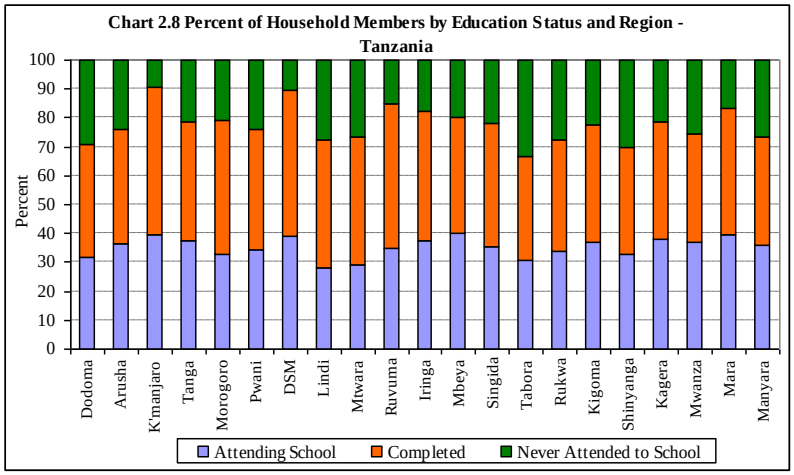
The average literacy rate for the rural agricultural population in Tanzania is 73 percent compared to 59 percent of 2003. However, there exists regional differences with Kilimanjaro region having the highest literacy rate of 89 percent. This is followed by Dar es Salaam (88%), Mara and Iringa each with 80% and Ruvuma 79%. The regions with the lowest literacy rates were Tabora (64), Shinyanga (67), Rukwa(68) and Dodoma with 69 percent (Chart 2.6 and Map 2.6). The total literate rate for Zanzibar was 69 percent.



2.1.1.6 Education Status

In Tanzania, 41 percent of the of the rural agricultural population aged 5 years and above have completed a certain level of education compared to 30 percent in 2003 and 35 percent are still attending school compared to 30 percent in 2003.

The population that never attended school is 24 percent (Chart 2.7) compared to 40 percent in 2003. There is therefore an improvement in the satus of education between the two censuses.

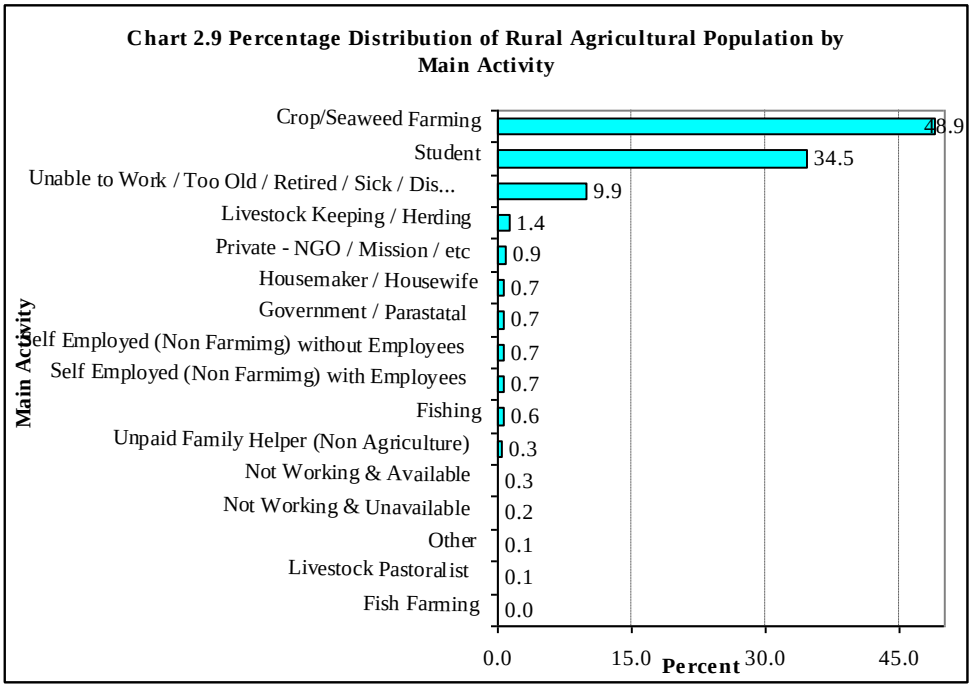


The rural agricultural population in Kilimanjaro region had the highest percentage of population aged 5 years and above who have either completed a certain level of education (51%) or were currently attending (39%) giving a total of 90% of the rural agricultural population with education (Chart 2.8). Dar es salaam was the second with highest percentage of the rural agricultural population that has completed a certain level of education (50%) and also has a high percentage of currently attending school (39%). Tabora region has the highest percentage (30%) of those who never attended. Zanzibar agricultural population had 34 percent of the total national rural agricultural population who have completed a

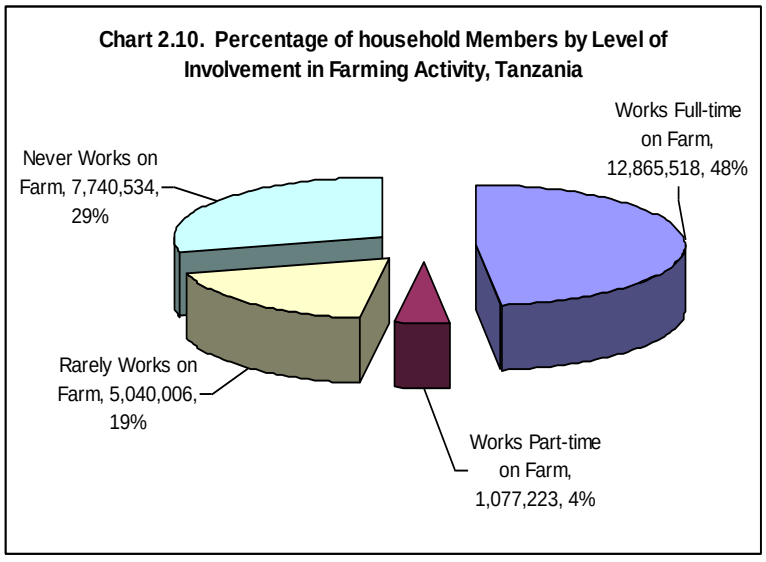
certain level of education, 37 percent were attending school and 29 percent never attended (including the youngsters).

2.1.2 Main Household Activity

The Main Household Activity is the activity for which most individuals in the rural agricultural community spend most of their time on. About 48.9% of the agricultural population spent most of their time on. Crop and seaweed farming activity followed by students (34.5 %). The unable to work/ too old/ retired/ sick/disabled category is the third main activity with 10.0 percent. Fish Farming is the least activity performed by 0.01percent of the agricultural households (Chart 2.9).

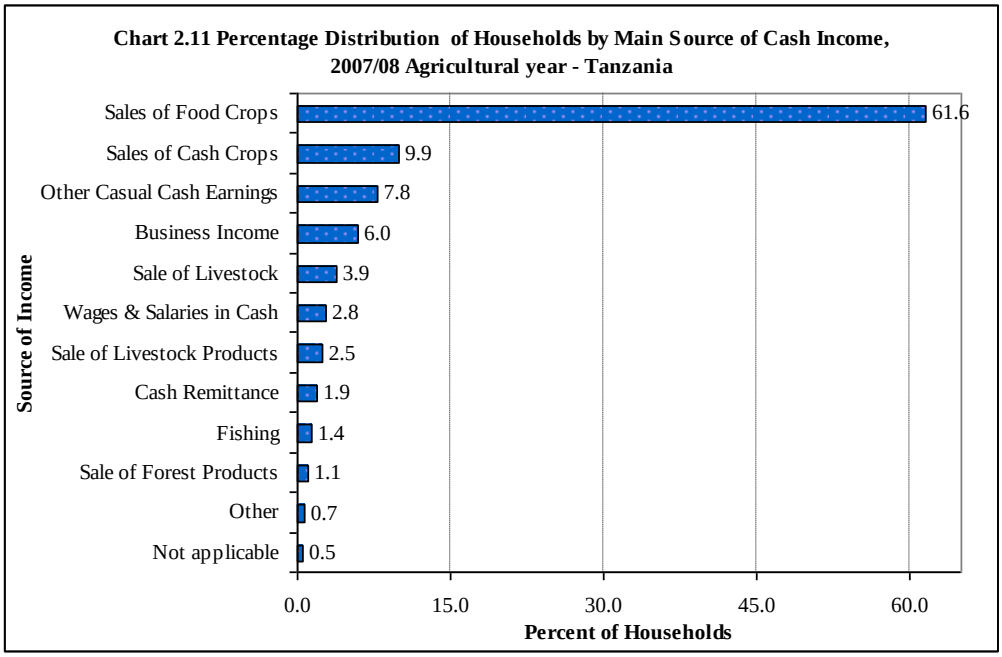


The involment in farming which one would expect the rural population to depend on, has a different picture (Chart 2.10). Only 48 percent of the rural household population works full-time on farm compared to 2003 with 68 percent followed by never work on farm (29%), rarely work in farm (19%) and work part time on farm (4%). The Never works on farm category has increased from 3 percent to 29 percent showing that the rural population has started shifting from agricultural activities to other activities.



2.1.3 Households Main Sources of Income

Results from the census (Chart 2.11) indicate that sale of food crops was the main cash income earning activity (61.6 percent in 2008 compared to 37.4% in 2003 of all the rural agricultural households), followed by sale of cash crops (9.9 percent compared to 17% in 2003) and other casual cash earnings (7.8 percent in 2008 compared to15.1% in 2003) The leading source of cash income for Zanzibar was sale of food crops (31.4 percent in 2008 compared to 20.8 percent in 2003) followed by business income (12.8 percent in 2008 compared to 14.4 percent in 2003) and wages and salaries (12.6 percent in 2008 compared to 15.5 percent in 2003).



2.2 Agricultural Households

The results presented in this sectiont is a summary on land use patterns, households engaged in crop production, the types of crops grown and the farming systems and crop husbandry practices in general.

According to 2007/2008 National Sample Census of Agriculture, a total of 5,838,523 households were engaged in agriculture (field and horticulture crop production, livestock and fish farming and pastoralism). Out of the sampled agricultural households, 5,706,329 (97.7%) were in the Mainland and 132,193 (2.3%) were in Zanzibar (Map 2.1). In the Mainland, large concentration of households engaged in agriculture were recorded in Shinyanga, Mbeya and Kagera regions each with between 400, 000 and 500,000 households, followed by Mwanza, Dodoma, Tanga and Iringa, with between 300,000 and 400,000 households. Dar es Salaam region had the least number of

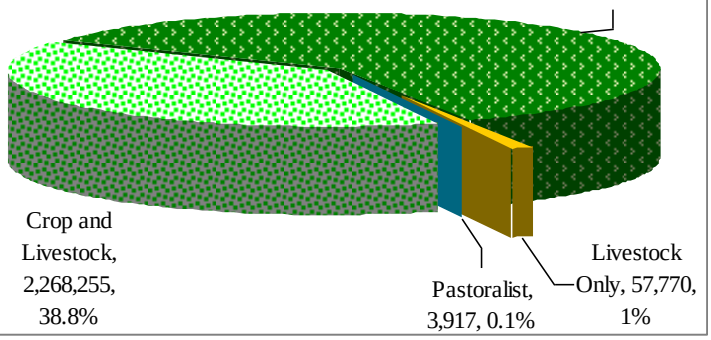
households engaged in agriculture (35,160). In Zanzibar, large concentration of agricultural households was located in North Pemba district (32,895) and the least number was in Urban West district (18,651).

2.2.1 Types of Agricultural Households

At national level, crop production was the dominant agricultural activity which engaged 3,508,581 households (60.1%), followed by 2,268,255 (38.8%) households engaged in mixed crop and livestock, 57,770 (1%) households engaged in livestock only and only 3,917(0.1%) households were engaged in pastoralism (Chart 2.12). Of the total crop growing households, 3,422,072 (98%) were on the Mainland and 86,509 (2%) were in Zanzibar.

Across the country, Zanzibar had the highest agricultural households density (50 households per square km) followed by Dar es Salaam (24 households per square km). However, most of these areas are urbanized and hence not typical examples of agricultural households.

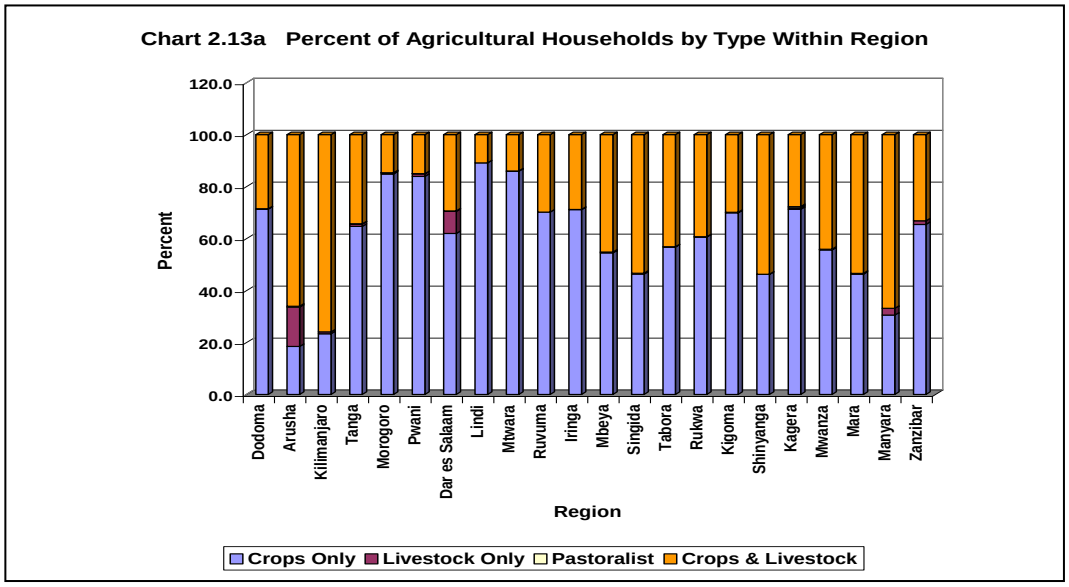
Chart 2.12 Agriculture Household By Type



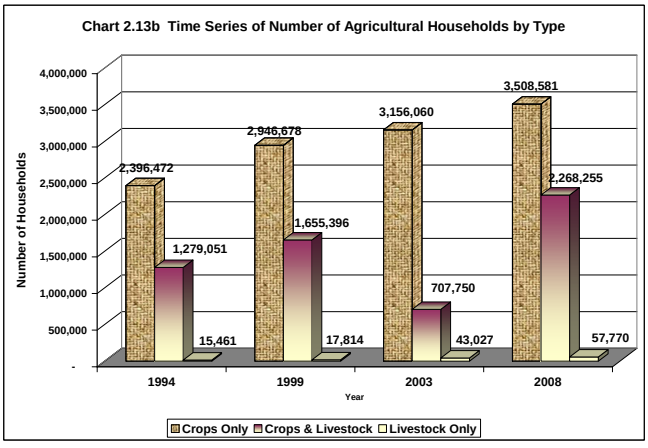
The least population density was observed in Lindi (2 households per square km), Ruvuma (3 households per square km), Tabora, Rukwa and Manyara each having 4 households per square kilometer (Map 2.2).

Within the regions and for the households engaged in crop production only, Lindi region had the highest percentage out of the total agricultural households in the region (89%), followed by Mtwara (86%), Morogoro (85%), and Dodoma (71%). (Chart 2.13a). Crop production only was the least important in Arusha, Kilimanjaro and Manyara regions where less than 40% of the households were engaged in this sub-sector. Across the country, very few households were engaged in livestock production only (Chart 2.13a).

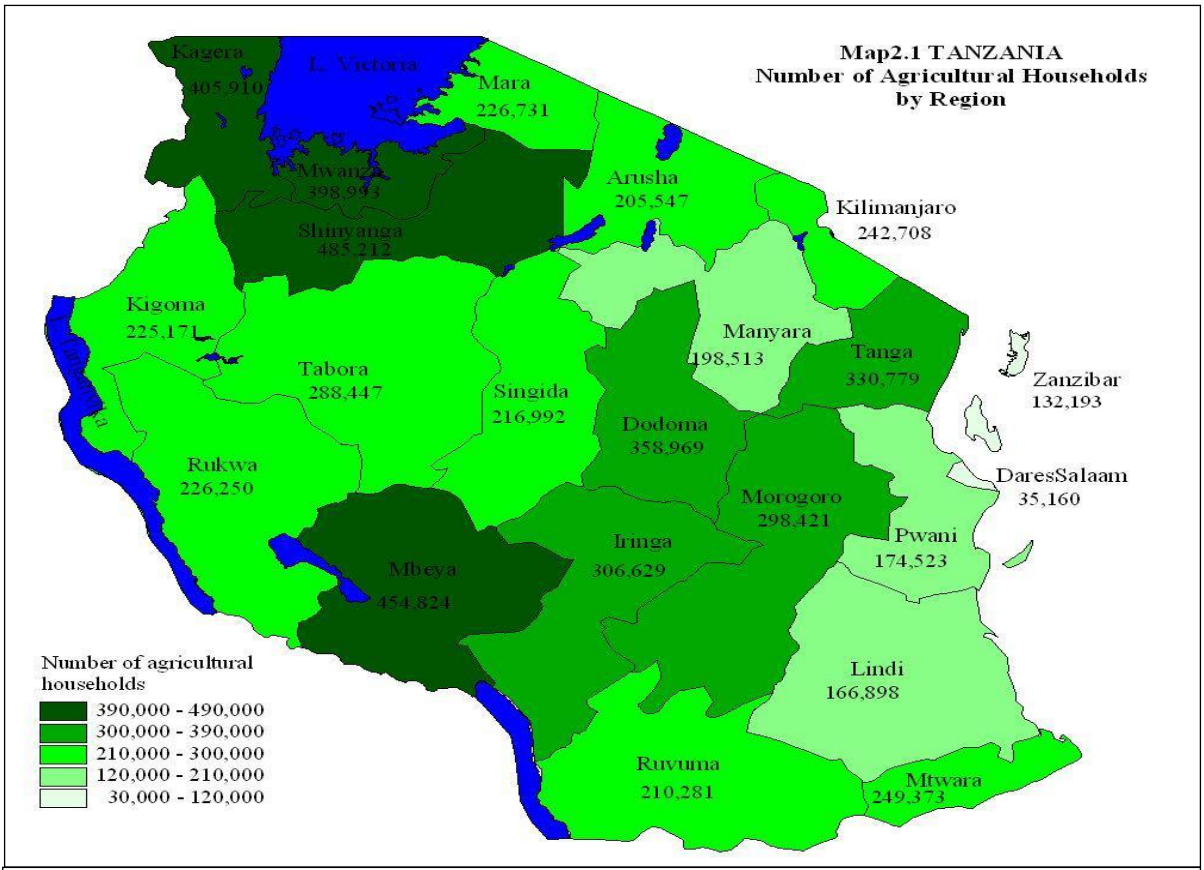
Three regions in the Mainland had households that were engaged in livestock production only. The regions are Arusha 15.1%; Dar es Salaam 8.5% and Manyara 2.6%. In the overall, Zanzibar had 1.4% of its households engaged in livestock production only. Pastoralism was limited to few households (less than 1%) in the Mainland (Chart 2.13a and Map 2.7). The top three regions in pastoral activities were Kagera (0.6%), Arusha (0.4%) and Dar es Salaam (0.2%).

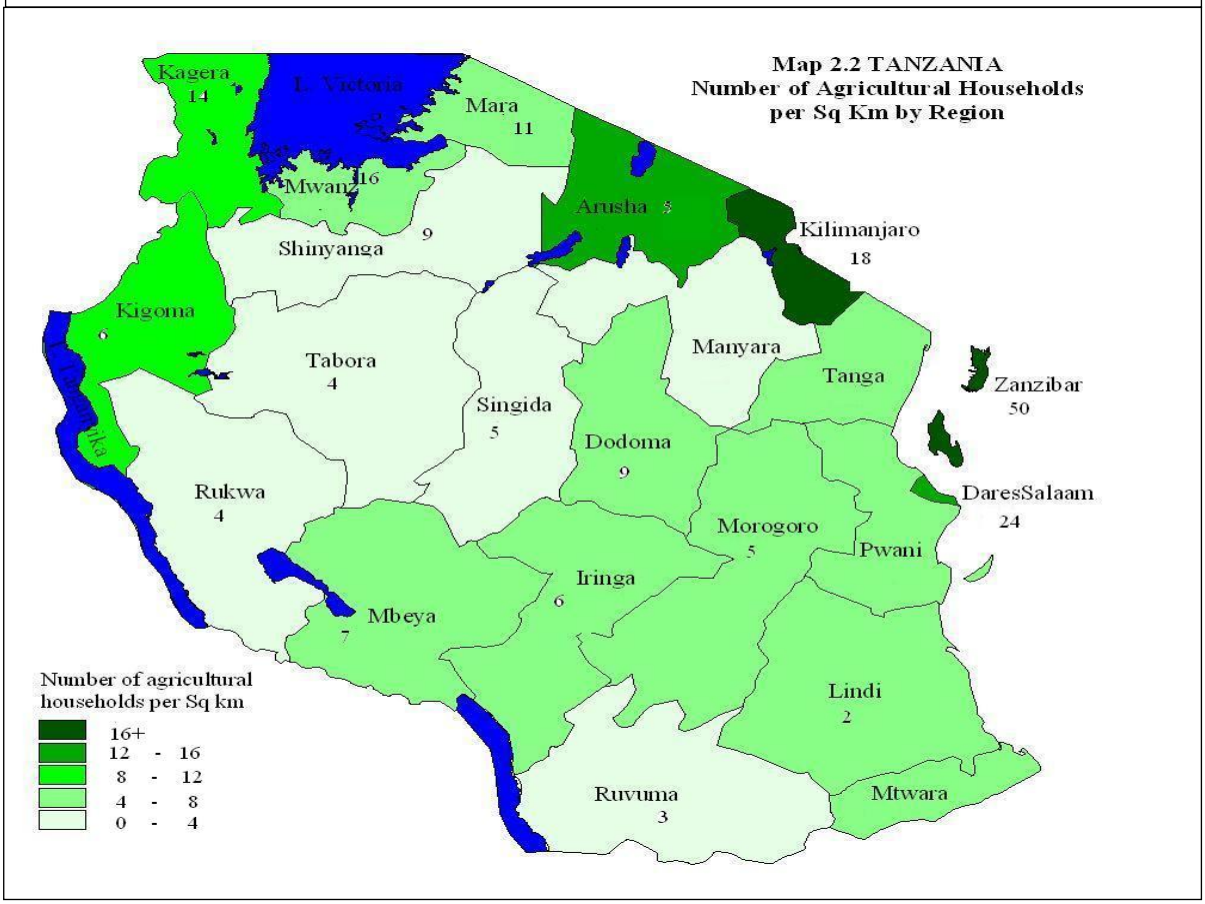


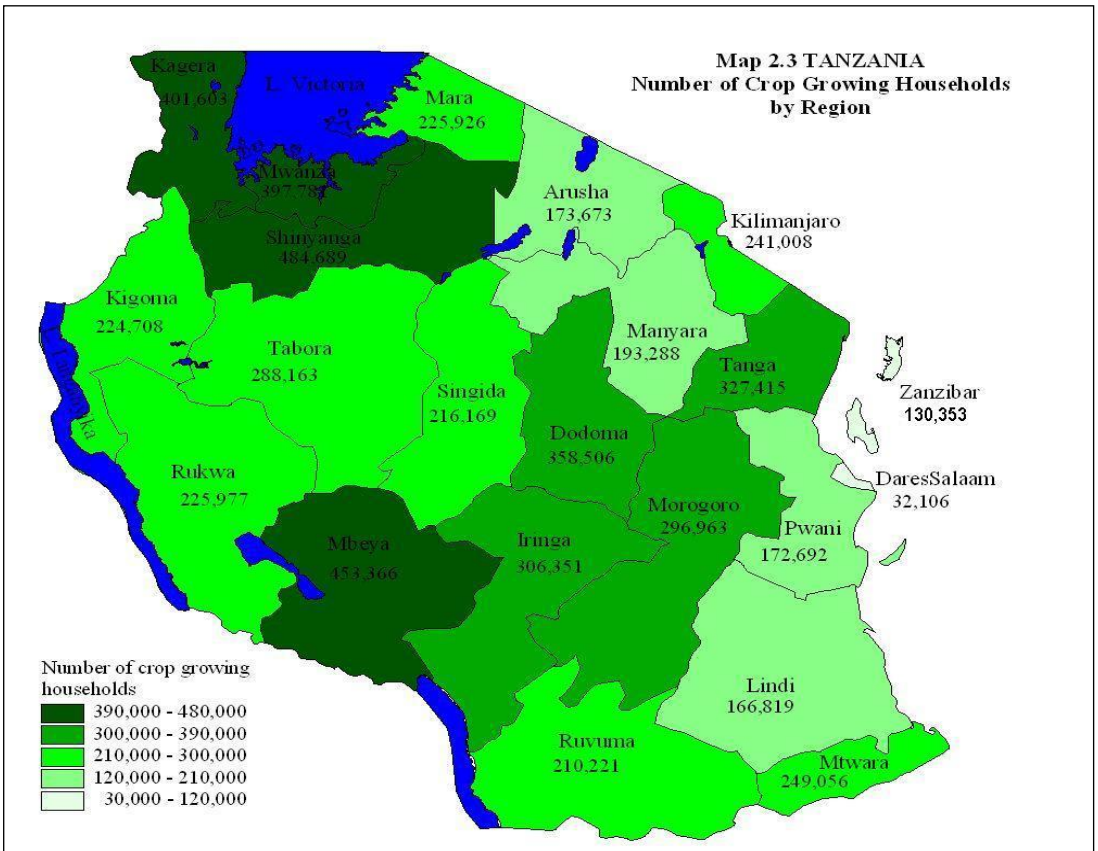
While all the regions had households that were engaged in both crop and livestock production in varying proportions (Chart 2.13b), the series data on households involved in crop production indicates a steady increase between 1994 and 2008.

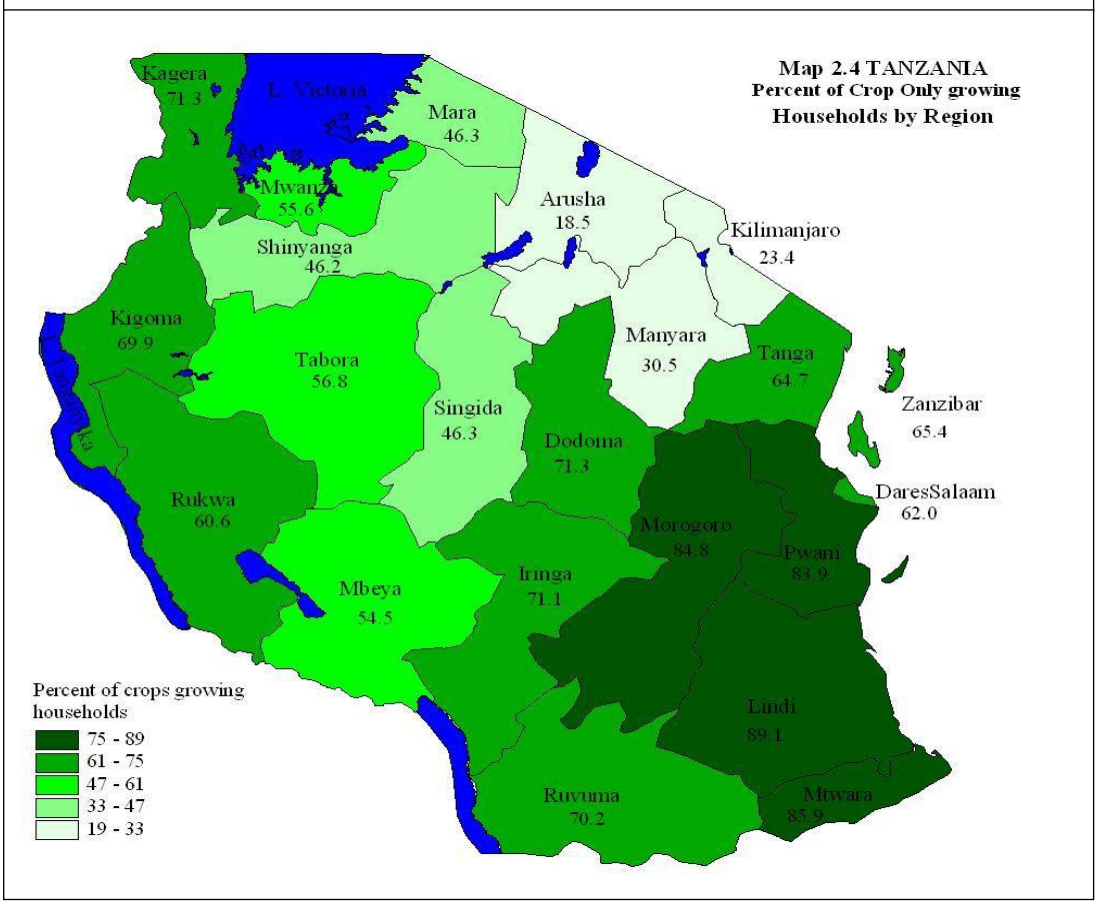


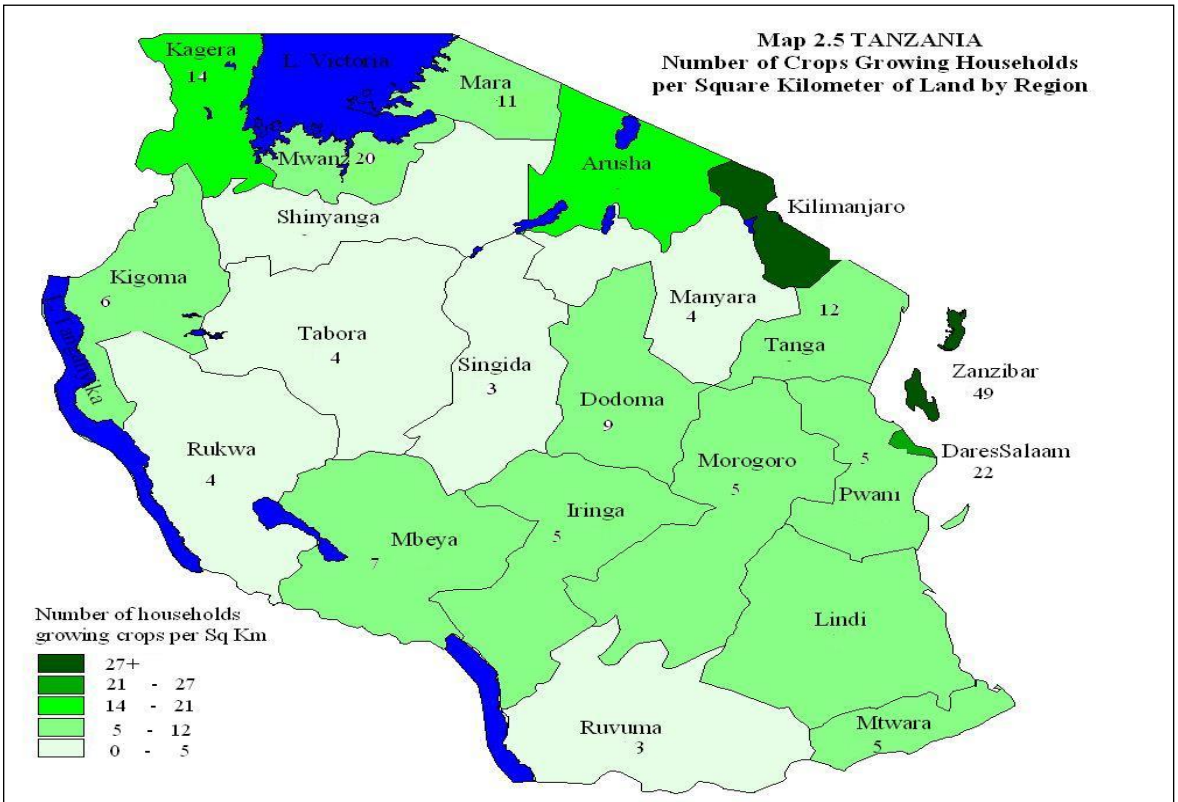
In the overall, crop production has remained the single most dominant type of agricultural activity since the mid - 1990's. Crop and livestock production has also increased between 1994 and 2003, with a pronounced increase between 2003 and 2008 (Chart 2.13b). During this period, an increase of about 565,505 households was reported to be engaged in mixed **c**rop and livestock keeping activities. The trend has remained the same with crops-only households dominating and the livestock-only households being the least.

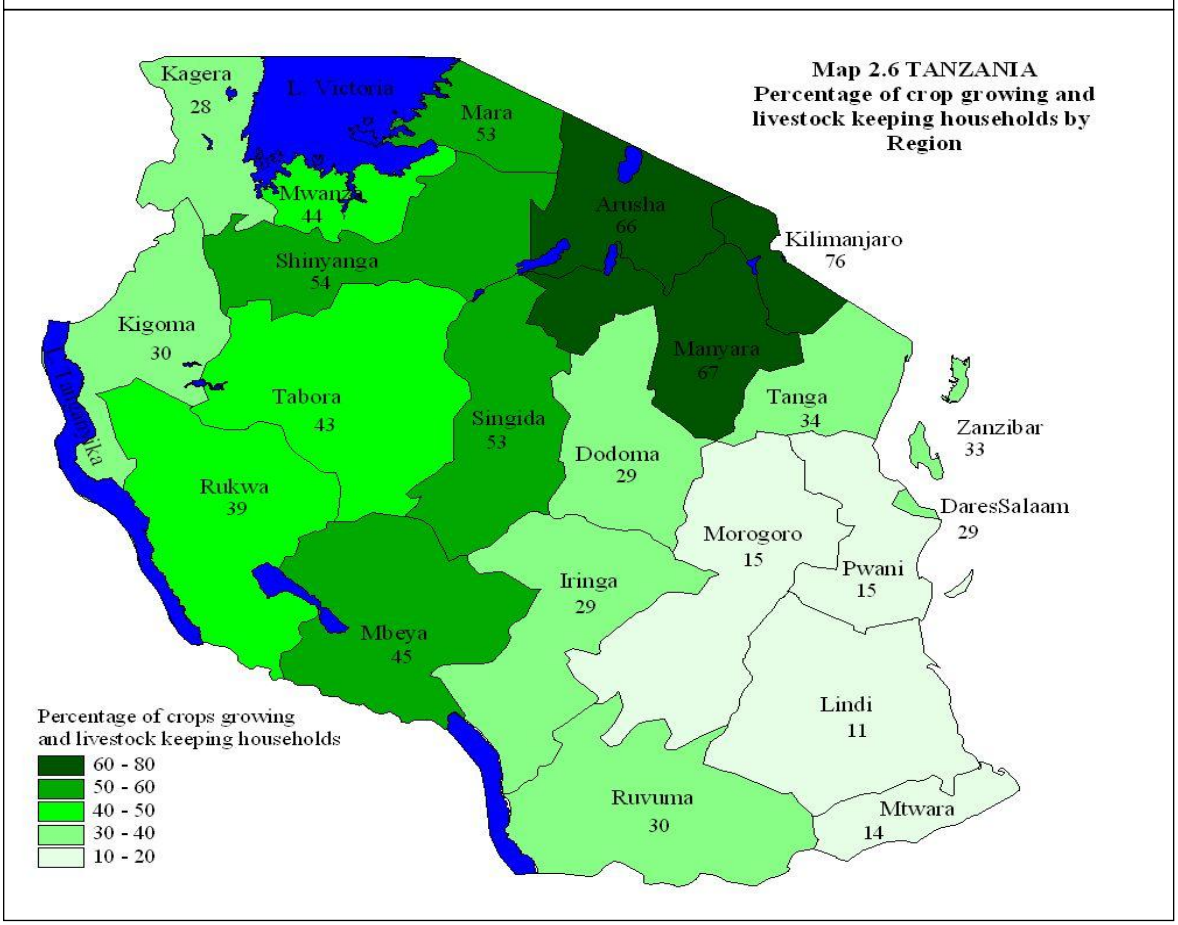

Map2.1 TANZANIA
Number of Agricultural Households
by Region
Kagera
405,910
L. Victoria
Mara
226,731
Mwanza
398,993
Shinyanga
485,212
Arusha
205,547
Kilimanjaro
242,708
Kigoma
225,171
Tabora
288,447
Singida
216,992
Manyara
198,513
Tanga
330,779
Zanzibar
132,193
Dodoma
358,969
Rukwa
226,250
DaresSalaam
35,160
Morogoro
298,421
Pwani
174,523
Iringa
306,629
Mbeya
454,824
Lindi
166,898
Ruvuma
210,281
Mtwara
249,373
Number of agricultural households
390,000 - 490,000
300,000 - 390,000
210,000 - 300,000
120,000 - 210,000
30,000 - 120,000


Map 2.2 TANZANIA
Number of Agricultural Households
per Sq Km by Region
Kagera
14
L. Victoria
Mara
11
Mwanza
16
Shinyanga
9
Arusha
5
Kilimanjaro
18
Kigoma
6
Tabora
4
Singida
5
Manyara
Tanga
Zanzibar
50
Dodoma
9
Rukwa
4
DaresSalaam
24
Morogoro
5
Pwani
Iringa
6
Mbeya
7
Lindi
2
Ruvuma
3
Mtwara
Number of agricultural households per Sq km
16+
12 - 16
8 - 12
4 - 8
0 - 4


Map 2.3 TANZANIA
Number of Crop Growing Households
by Region
Kagera
401,603
L. Victoria
Mara
225,926
Mwanza
397,781
Shinyanga
484,689
Arusha
173,673
Kilimanjaro
241,008
Kigoma
224,708
Tabora
288,163
Singida
216,169
Manyara
193,288
Tanga
327,415
Zanzibar
130,353
Dodoma
358,506
DaresSalaam
32,106
Rukwa
225,977
Morogoro
296,963
Pwani
172,692
Mbeya
453,366
Iringa
306,351
Lindi
166,819
Ruvuma
210,221
Mtwara
249,056
Number of crop growing households
390,000 - 480,000
300,000 - 390,000
210,000 - 300,000
120,000 - 210,000
30,000 - 120,000


Map 2.4 TANZANIA
Percent of Crop Only growing
Households by Region
Kagera
71.3
L. Victoria
Mara
46.3
Mwanza
55.6
Shinyanga
46.2
Arusha
18.5
Kilimanjaro
23.4
Kigoma
69.9
Tabora
56.8
Singida
46.3
Manyara
30.5
Tanga
64.7
Zanzibar
65.4
Dodoma
71.3
DaresSalaam
62.0
Rukwa
60.6
Morogoro
84.8
Pwani
83.9
Mbeya
54.5
Iringa
71.1
Lindi
89.1
Ruvuma
70.2
Mtwara
85.9
Percent of crops growing households
75 - 89
61 - 75
47 - 61
33 - 47
19 - 33


Map 2.5 TANZANIA
Number of Crops Growing Households
per Square Kilometer of Land by Region
Kagera
14
L. Victoria
Mara
11
Mwanza 20
Arusha
Kilimanjaro
Shinyanga
Kigoma
6
Manyara
4
12
Tanga
Tabora
4
Singida
3
Zanzibar
49
Dodoma
9
Rukwa
4
Morogoro
5
5
DaresSalaam
22
Pwani
Iringa
5
Mbeya
7
Lindi
Number of households
growing crops per Sq Km
27+
21 - 27
14 - 21
5 - 12
0 - 5
Ruvuma
3
Mtwara
5

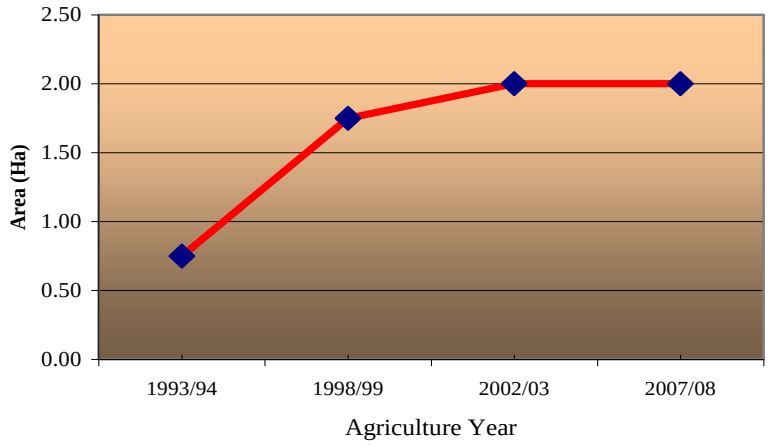

Map 2.6 TANZANIA
Percentage of crop growing and
livestock keeping households by
Region
Kagera
28
L. Victoria
Mara
53
Mwanza
44
Arusha
66
Kilimanjaro
76
Shinyanga
54
Kigoma
30
Manyara
67
Tanga
34
Tabora
43
Singida
53
Zanzibar
33
Dodoma
29
Rukwa
39
DaresSalaam
29
Morogoro
15
Pwani
15
Iringa
29
Mbeya
45
Lindi
11
Percentage of crops growing
and livestock keeping households
60 - 80
50 - 60
40 - 50
30 - 40
10 - 20
Ruvuma
30
Mtwara
14

2.3 Land Use

Land use is the human use of land. It involves the management and modification of natural environment or wilderness into a built up environment such as fields, pastures, and settlements. It has also been defined as "the arrangements, activities and inputs people undertake in a certain land cover type to produce, change or maintain it" (FAO/UNEP, 1999). [1] In this census, this variable attempts to indicate to what extent the land available to households is used for agricultural activities particularly with regard to the use the of the land for planting crops.

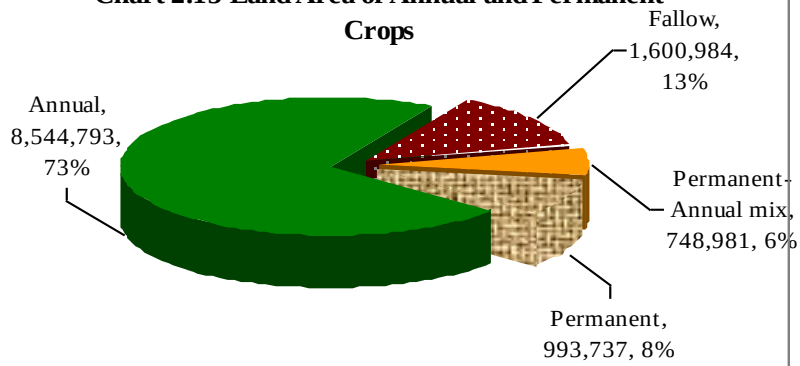
2.3.1 Area of Land Utilized

Chart 2.14 Time Series of Utilised land per Household



Nationally, the total usable land available was 14,642,284 ha of which 14,516,893 ha (99.1%) were located in the Mainland and 125,391 ha (0.9%) were located in Zanzibar. In all the Mainland regions and Zanzibar, the average land utilization was above 70% with Arusha, Kilimanjaro and Zanzibar each utilizing 90% or more of the available land. Land utilization per household has remained constant at an average of 2 ha in 2002/03 and 2007/08 Agriculture Sample Censuses (Chart 2.14).

Chart 2.15 Land Area of Annual and Permanent Crops



Total usable area refers to the land that the household has access to either by official title or customary law. The land was used for various purposes including annual cropping, mixed annual and permanent cropping, pastures growing and fallow. However, the census agricultural results

[1] *Land-use categories recognized in FAO's World Census of Agriculture (FAO/UNEP, 1999)*

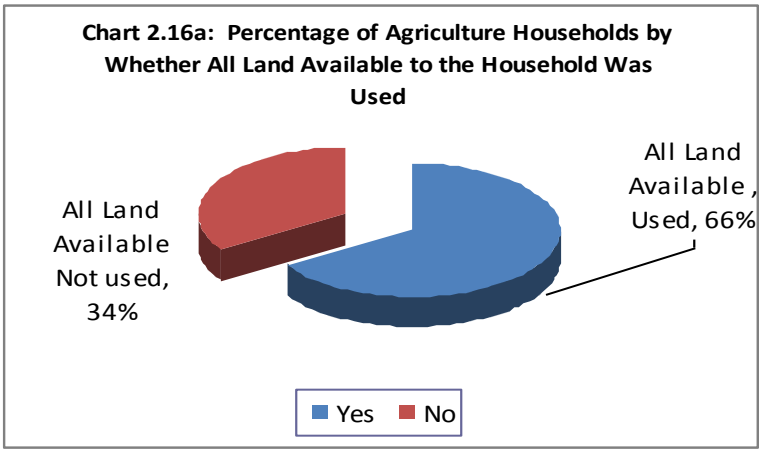
(2002/03 and 2007/08) have revealed that the country was predominantly occupied with annual crops. In the period 2007/2008, annual crops occupied (73%) compared to (69%) in 2002/2003.

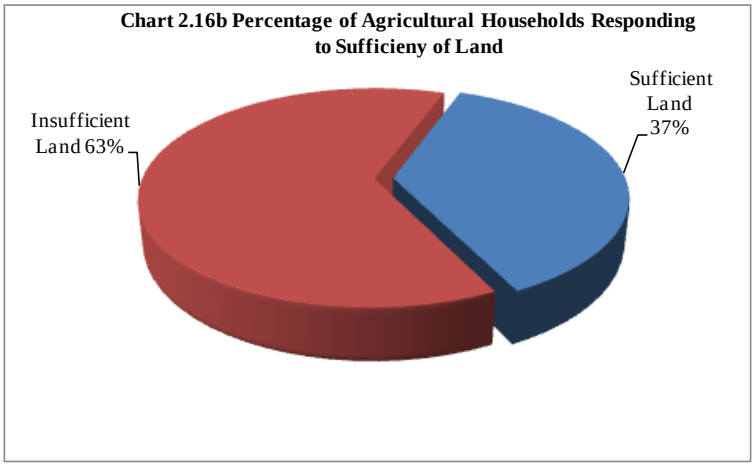
Area for permanent crops has decreased to 8% from 14%, permanent and annual crops mixed have also decreased to 6% from 10% while fallow has increased to 14% from 7% (Chart 2.15).

However, large variations existed between regions whereby, in regions where land scarcity is less acute as in Shinyanga, Singida, Tabora, the total utilizable land remained slightly above the 2002/03 national average. In all the regions, there was an attempt to utilize almost the entire usable land available as the majority of `the regions maintained a land utilization rate of between 80 and 100% (Map 2.8).

2.3.2 Land Use Sufficiency

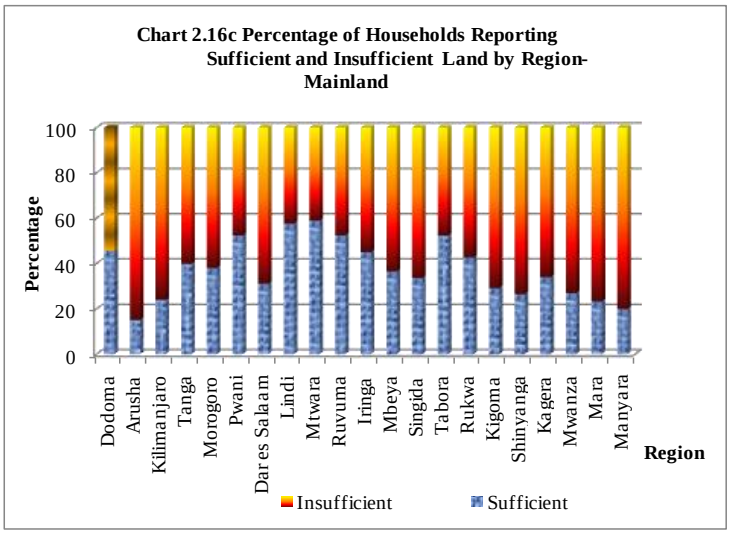
At National level, about 66 percent of the agricultural households reported that all the available land to the households was used during 2007/08 agricultural year while the remaining 34 percent did not utilize all the available land (Chart 2.16a). Kilimanjaro, Dodoma, Mbeya and Manyara reported using all the available land by over 75 percent while Rukwa, Ruvuma and Tabora regions had below 50 percent.





For Zanzibar, those who reported using all the available land were 89 percent while those who didn't utilize all the available land were 11 percent. The level of utilization was above 90 percent except for North Pemba region which reported 85 percent.

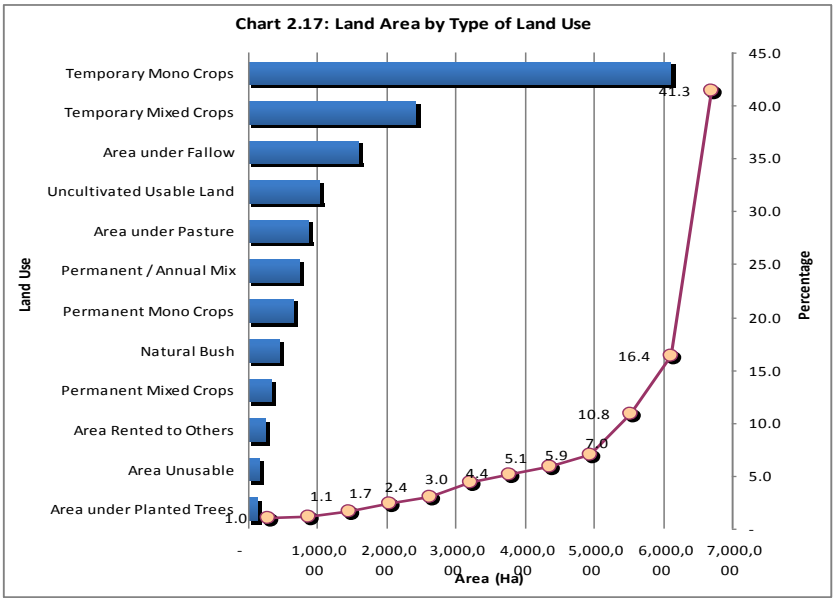
Nationally, there are large differences in land pressure where as more than one third of the agricultural households (37%) indicated to have sufficient land available for their use and the remaining 63% considered the land to be insufficient (Chart 2.16b). Land sufficiency in Zanzibar was relatively better compared to the Mainland where 44% of the households indicated to have sufficient land.



Land sufficiency varied greatly between regions. In Mtwara, Lindi, Ruvuma, Pwani and Tabora regions at least 50% or slightly more of the households reported land sufficiency while all other regions reported land sufficiency below 50%. In the latter group, land scarcity was most acute in Arusha, Manyara, Mara and Kilimanjaro regions where more than 76% of the households complained of land insufficiency (Chart 2.16c).

2.3.3 Land Use Patterns

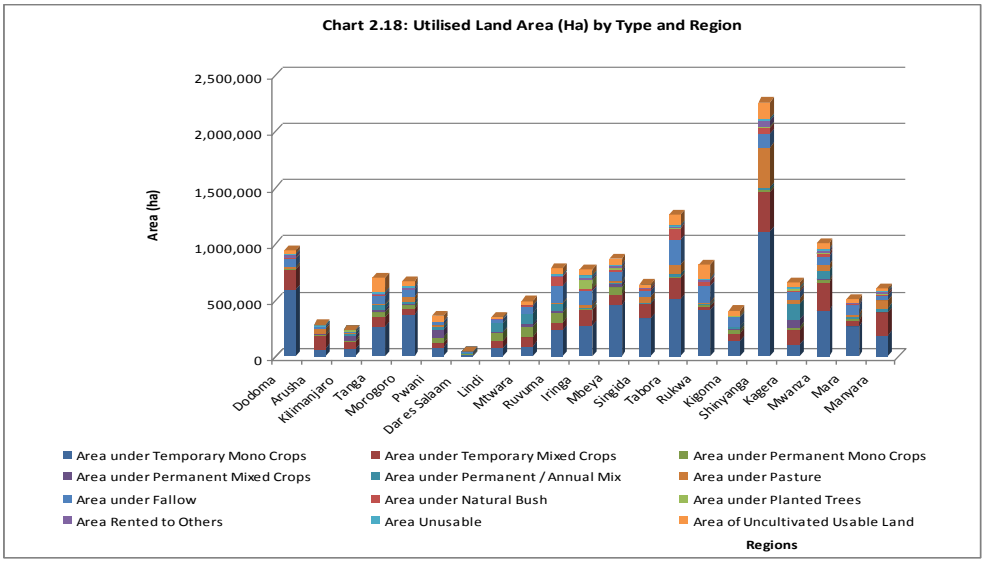
Out of the total land of 14,810,368 ha about 6,121,360 ha (41.3%) was planted with temporary or annual crops in monoculture (Chart 2.17 and Map 2.9). This is a slight increase when compared to 4,436,177 ha (37%) reported in 2002/2003 National Sample Census of Agriculture.

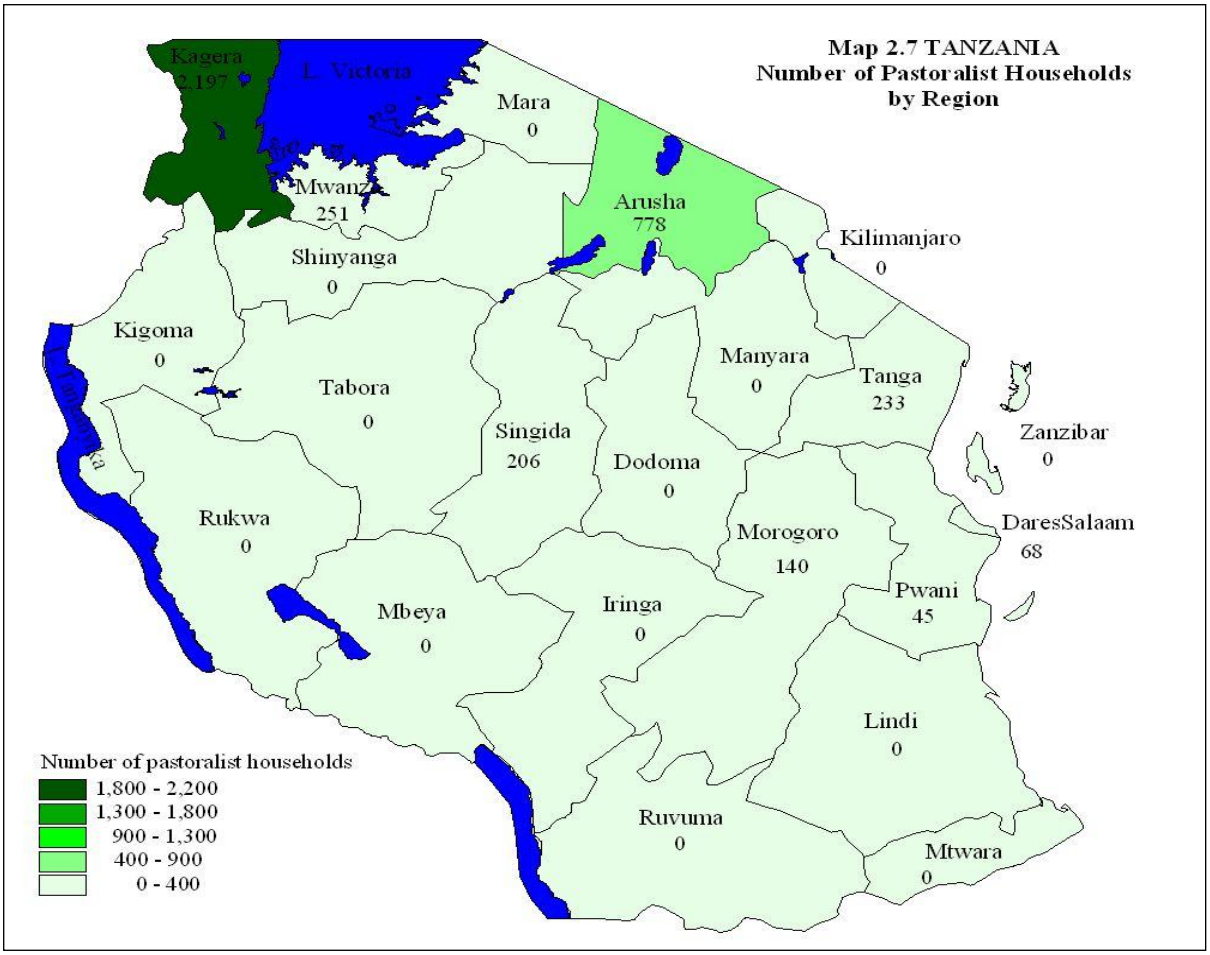


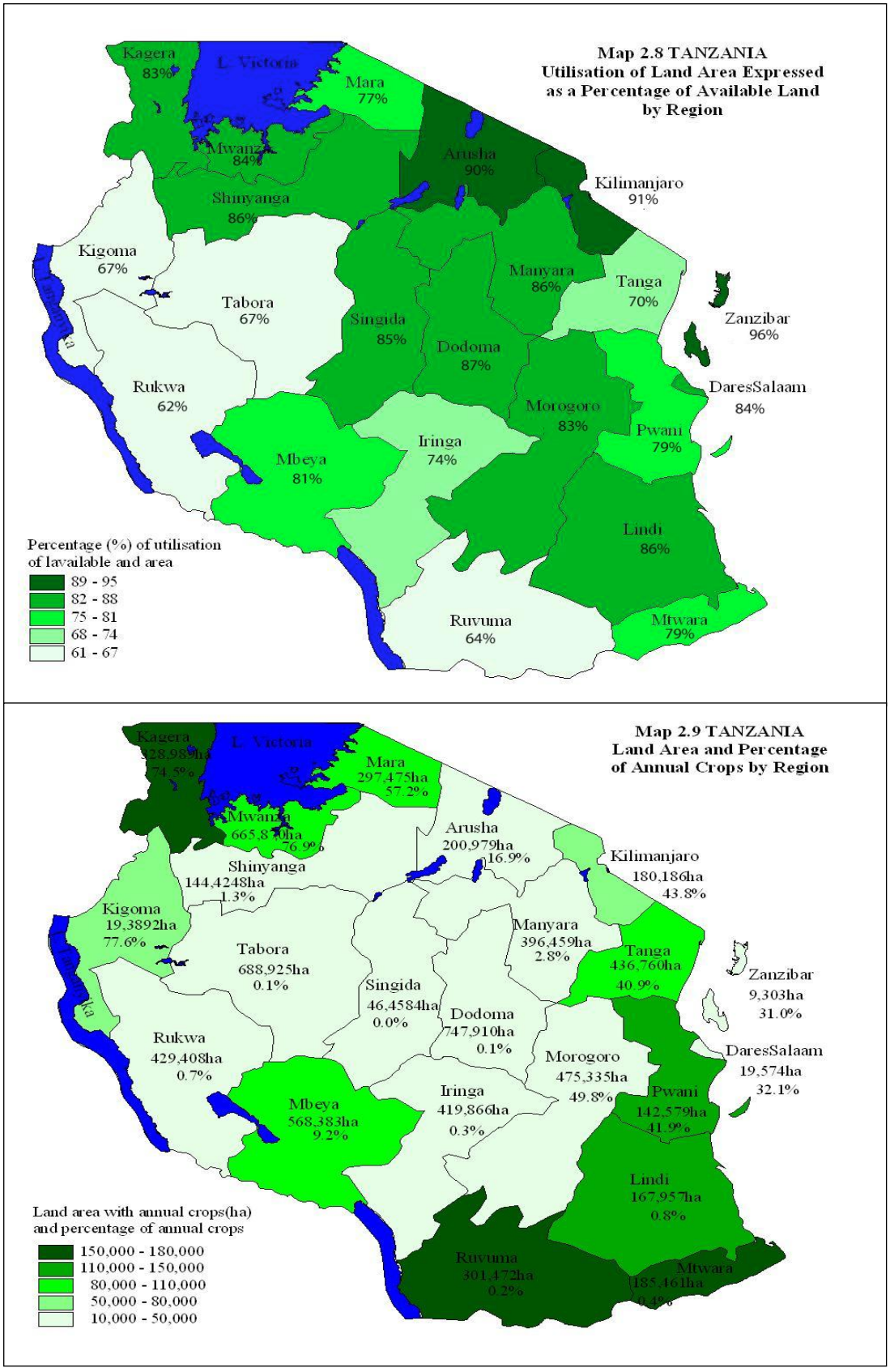
The land area under annual crops had increased from 69 percent 2002/03 to 73 percent in 2007/08 implying changes in land use with a general shift into temporal or annual crop production. Other land uses that covered 10% or more of the land were the mixed temporal or annual crops (16.4%)

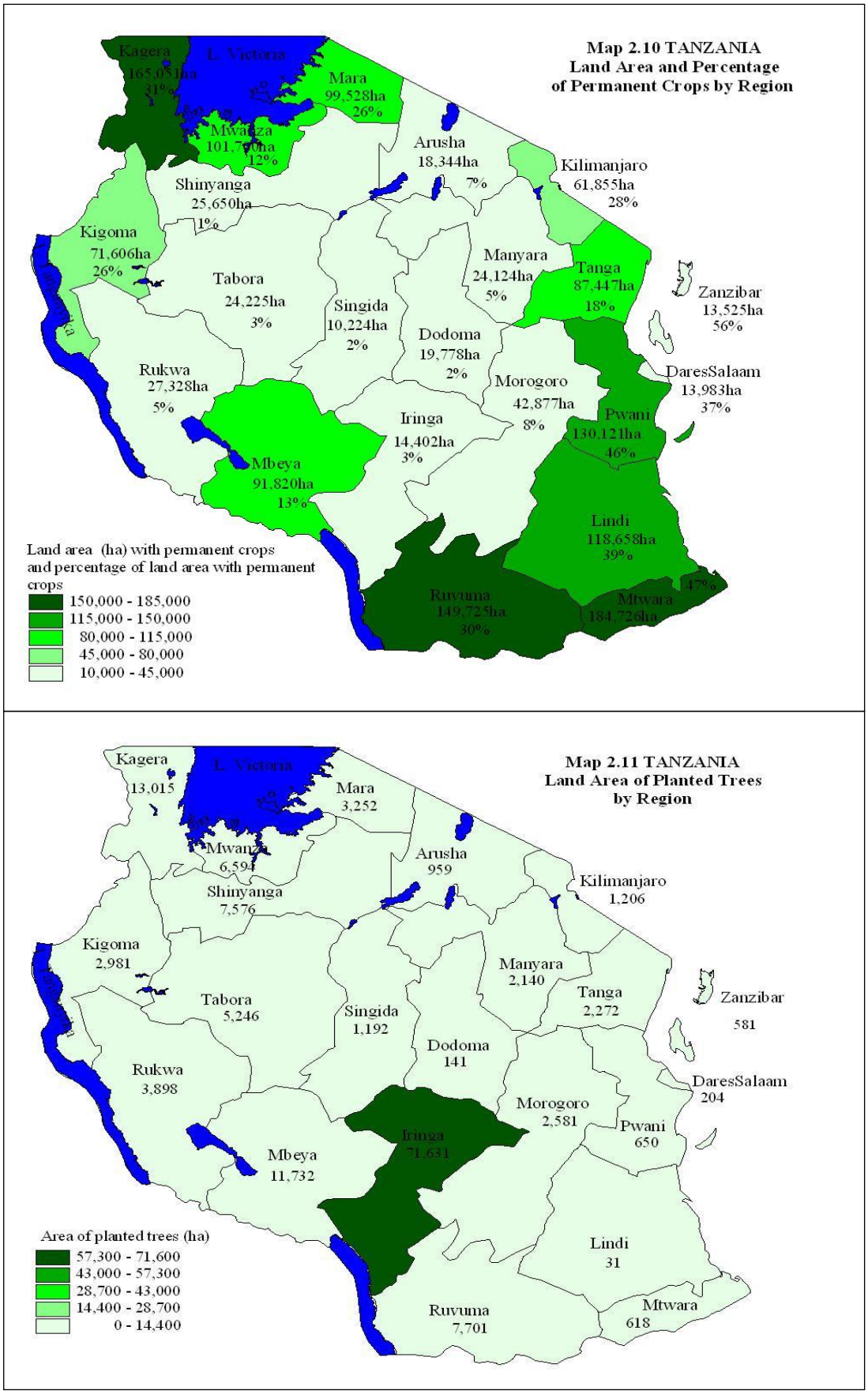
equivalent to 2,423,433 ha and area under fallow (10.8%) equivalent to 1,600,984 ha. About 23.9% of the land was not cultivated annually representing land under permanent plant cover of permanent crops, natural bush and planted trees (15.8%), uncultivated usable land (7%) and unusable land (1.13%).

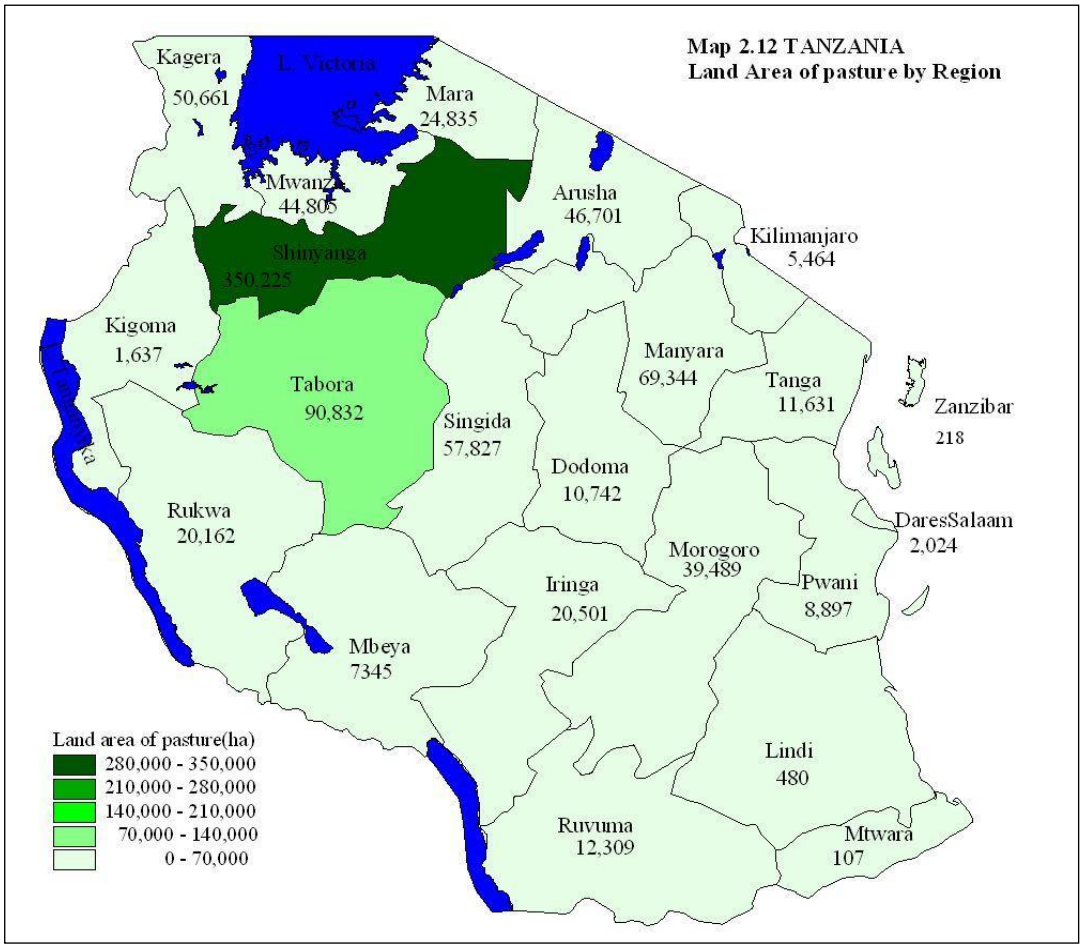
Amongst the regions, Shinyanga had the largest area of utilized land (1,922,968 ha), as was the case in in the 2002/03 period, of which about 65% (1,462,257 ha) was used for the production of annual crops. In this region, the area under permanent mono crops and permanent mixed combined was 45,368 ha, area under pasture (350,225 ha), which was the largest amongst the regions, followed by Tabora with 90,832 ha (Chart 2.18 and Map 2.12). Comparatively, regions engaged in the production of tree crops (coffee, tea, coconut, cashew and others), had large proportions of the planted areas under permanent crops. Zanzibar had the largest proportion of land under permanent crops (56%), while in other areas, Pwani and Mtwara regions each had between 41% and 50% of the planted land; Tanga and Mbeya regions each had between 11% and 20% area under permanent crops; Lindi region had 39%; and Mara, Kigoma, Ruvuma and Kilimanjaro had between 21% and 30%; (Map 2.10). All other regions had less than 10% of the land area planted with permanent crops. Land area under planted trees was highest in Iringa region (71,631 ha) and lowest in Lindi region (31 ha). Other regions with at least 5,000 ha under planted trees included Tabora, Shinyanga, Ruvuma, Kagera and Mbeya (Map 2.11).




Map 2.7 TANZANIA
Number of Pastoralist Households
by Region
Kagera
2,197
L. Victoria
Mara
0
Mwanza
251
Arusha
778
Kilimanjaro
0
Shinyanga
0
Kigoma
0
Tabora
0
Manyara
0
Tanga
233
Zanzibar
0
Singida
206
Dodoma
0
Rukwa
0
Morogoro
140
DaresSalaam
68
Pwani
45
Mbeya
0
Iringa
0
Lindi
0
Ruvuma
0
Mtwara
0
Number of pastoralist households
1,800 - 2,200
1,300 - 1,800
900 - 1,300
400 - 900
0 - 400

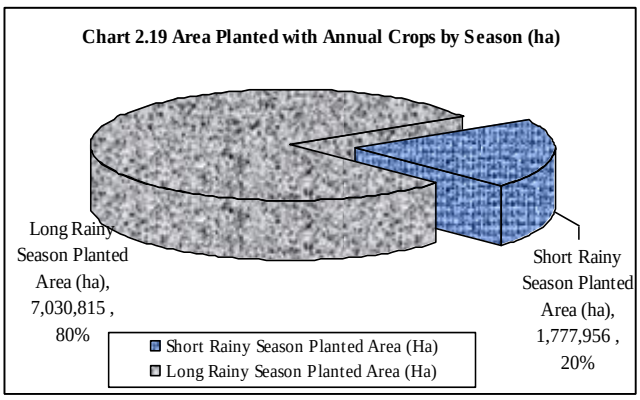

Map 2.8 TANZANIA
Utilisation of Land Area Expressed as a Percentage of Available Land by Region
Kagera 83%
L. Victoria
Mara 77%
Mwanza 84%
Arusha 90%
Kilimanjaro 91%
Shinyanga 86%
Kigoma 67%
Tabora 67%
Manyara 86%
Tanga 70%
Zanzibar 96%
Singida 85%
Dodoma 87%
DaresSalaam 84%
Rukwa 62%
Morogoro 83%
Pwani 79%
Iringa 74%
Mbeya 81%
Lindi 86%
Ruvuma 64%
Mtwara 79%
Percentage (%) of utilisation of lavailable and area
89 - 95
82 - 88
75 - 81
68 - 74
61 - 67
Map 2.9 TANZANIA
Land Area and Percentage of Annual Crops by Region
Kagera 74.5%
L. Victoria
Mara 297,475ha 57.2%
Mwanza 665,870ha 76.9%
Arusha 200,979ha 16.9%
Kilimanjaro 180,186ha 43.8%
Shinyanga 144,4248ha 1.3%
Kigoma 19,3892ha 77.6%
Manyara 396,459ha 2.8%
Tabora 688,925ha 0.1%
Tanga 436,760ha 40.9%
Zanzibar 9,303ha 31.0%
Singida 46,4584ha 0.0%
Dodoma 747,910ha 0.1%
Rukwa 429,408ha 0.7%
Morogoro 475,335ha 49.8%
DaresSalaam 19,574ha 32.1%
Iringa 419,866ha 0.3%
Mbeya 568,383ha 9.2%
Pwani 142,579ha 41.9%
Lindi 167,957ha 0.8%
Ruvuma 301,472ha 0.2%
Mtwara 185,461ha
Land area with annual crops(ha) and percentage of annual crops
150,000 - 180,000
110,000 - 150,000
80,000 - 110,000
50,000 - 80,000
10,000 - 50,000


Map 2.10 TANZANIA
Land Area and Percentage
of Permanent Crops by Region
Kagera
165,051ha
31%
L. Victoria
Mara
99,528ha
26%
Mwanza
101,790ha
12%
Arusha
18,344ha
7%
Kilimanjaro
61,855ha
28%
Shinyanga
25,650ha
1%
Kigoma
71,606ha
26%
Tabora
24,225ha
3%
Singida
10,224ha
2%
Manyara
24,124ha
5%
Tanga
87,447ha
18%
Zanzibar
13,525ha
56%
Dodoma
19,778ha
2%
Rukwa
27,328ha
5%
Morogoro
42,877ha
8%
DaresSalaam
13,983ha
37%
Iringa
14,402ha
3%
Pwani
130,121ha
46%
Mbeya
91,820ha
13%
Lindi
118,658ha
39%
Ruvuma
149,725ha
30%
Mtwara
184,726ha
47%
Land area (ha) with permanent crops
and percentage of land area with permanent
crops
150,000 - 185,000
115,000 - 150,000
80,000 - 115,000
45,000 - 80,000
10,000 - 45,000
Map 2.11 TANZANIA
Land Area of Planted Trees
by Region
Kagera
13,015
L. Victoria
Mara
3,252
Mwanza
6,594
Arusha
959
Kilimanjaro
1,206
Shinyanga
7,576
Kigoma
2,981
Manyara
2,140
Tanga
2,272
Zanzibar
581
Tabora
5,246
Singida
1,192
Dodoma
141
Rukwa
3,898
DaresSalaam
204
Morogoro
2,581
Pwani
650
Iringa
71,631
Mbeya
11,732
Lindi
31
Ruvuma
7,701
Mtwara
618
Area of planted trees (ha)
57,300 - 71,600
43,000 - 57,300
28,700 - 43,000
14,400 - 28,700
0 - 14,400



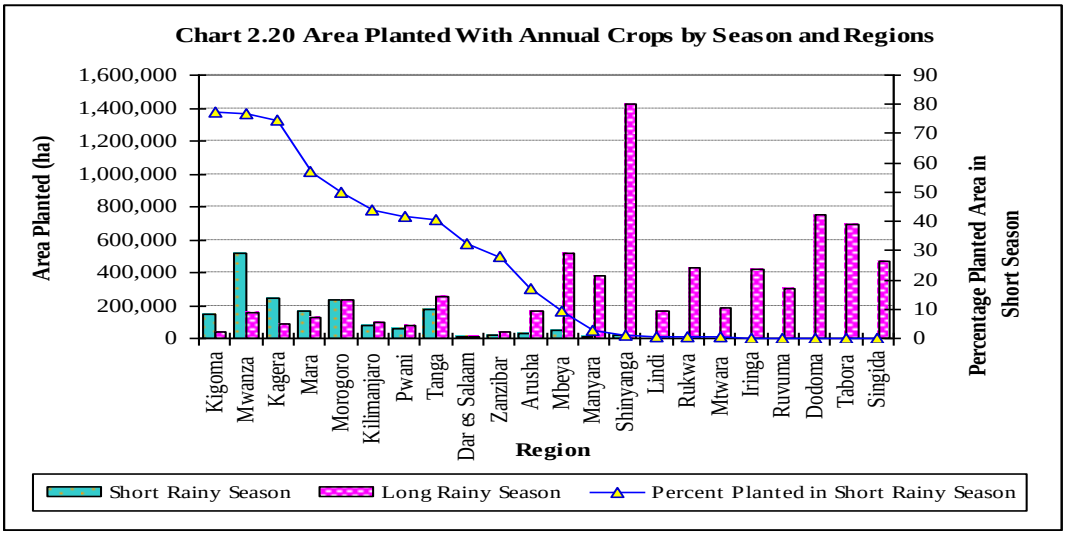
2.4 Annual Crop Production

Annual crop production is practiced either in one or two seasons per year, depending on the rainfall pattern. Areas with a unimodal rain pattern receive only the main rainy season (Masika) while areas with a bimodal rain pattern receive rains in two seasons, one being the short rainy season (Vuli) and the other being the long or main rainy season (Masika).

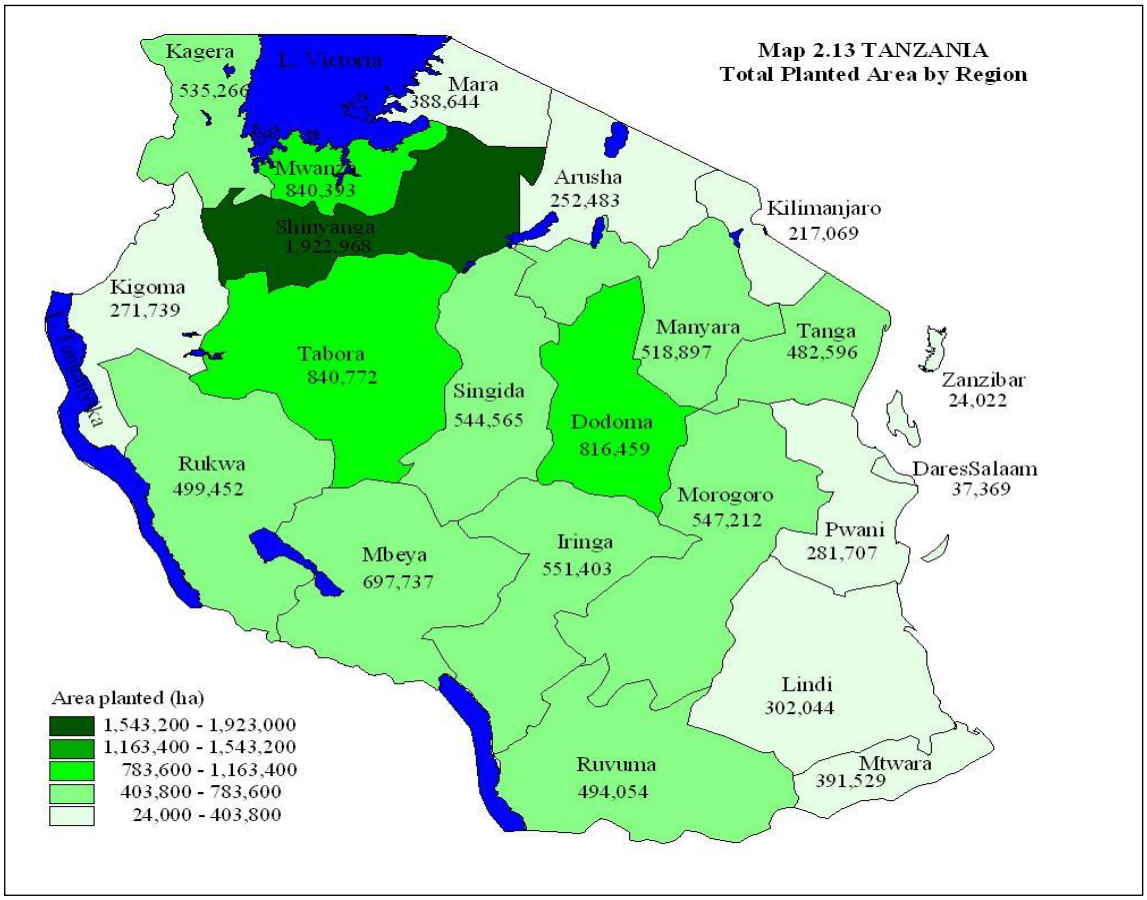


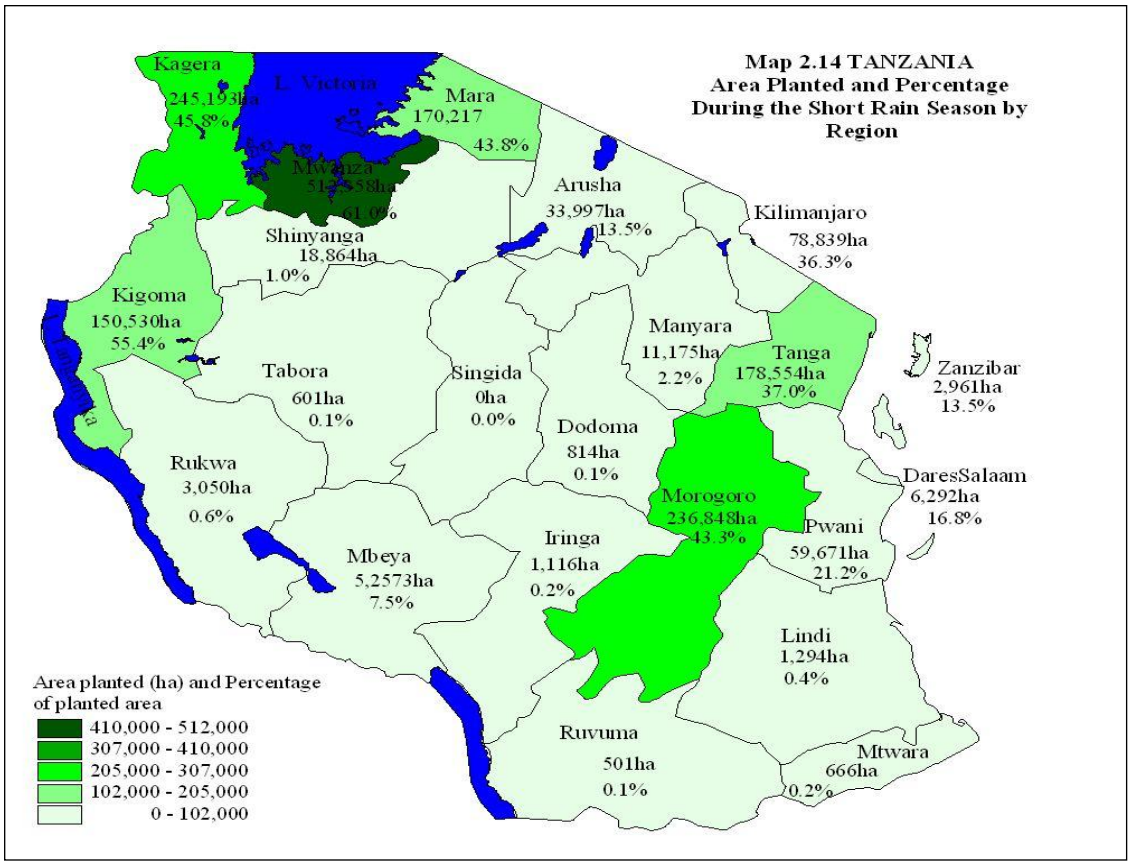
As per 2007/08 Agricultural Sample Census data, Masika rains occur throughout the country during which the bulk of annual crop production was reported. The total annual planted area was 8,808,771ha (8,756,314 ha on the Mainland and 52,457 ha in Zanzibar). In the long rainy season, the total planted area was 80 percent compared to short rainy season with only 20 percent of the total planted area (Chart 2.19).

The Vuli rains which, as of 2002/03, were utilized mostly by 12 Mainland regions (Dar es Salaam, Pwani, Morogoro, Tanga, Kilimanjaro, Kagera, Mwanza, Mara, Kigoma, parts of Mbeya, Arusha and Shinyanga) for annual crop production, had apparently by 2007/08, extended beyond this traditional area, to all the regions except Singida.

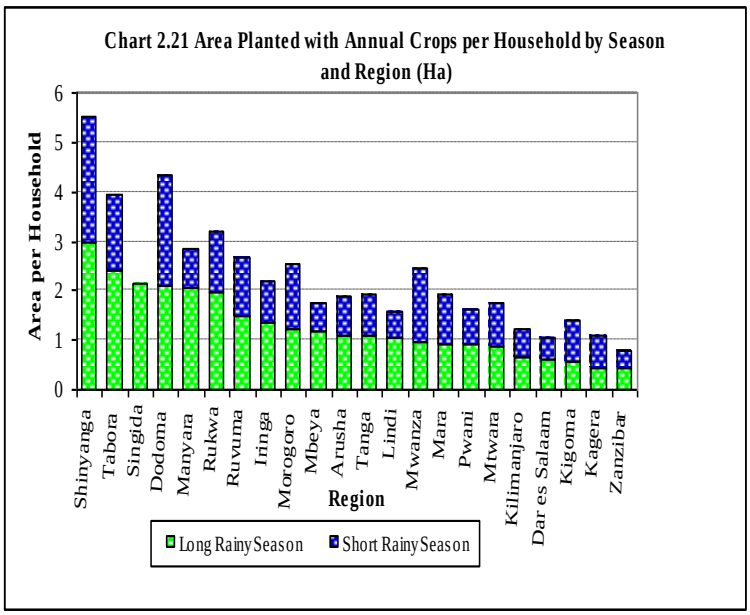


In some regions such as Morogoro, the area planted with annual crops both during Vuli and Masika was comparable, while in others such as Kigoma, Kagera, Mwanza and Mara the area planted with annual crops was larger during the Vuli rains (57 – 78%) than during Masika rains (Chart 2.20 and Map 2.14),


Map 2.13 TANZANIA
Total Planted Area by Region
Kagera
535,266
L. Victoria
Mara
388,644
Mwanza
840,393
Shinyanga
1,922,968
Arusha
252,483
Kilimanjaro
217,069
Kigoma
271,739
Tabora
840,772
Singida
544,565
Manyara
518,897
Tanga
482,596
Zanzibar
24,022
Dodoma
816,459
DaresSalaam
37,369
Rukwa
499,452
Morogoro
547,212
Pwani
281,707
Mbeya
697,737
Iringa
551,403
Lindi
302,044
Ruvuma
494,054
Mtwara
391,529
Area planted (ha)
1,543,200 - 1,923,000
1,163,400 - 1,543,200
783,600 - 1,163,400
403,800 - 783,600
24,000 - 403,800


Map 2.14 TANZANIA
Area Planted and Percentage
During the Short Rain Season by
Region
Kagera
245,193ha
45.8%
L. Victoria
Mara
170,217
43.8%
Mwanza
512,558ha
61.0%
Arusha
33,997ha
13.5%
Kilimanjaro
78,839ha
36.3%
Shinyanga
18,864ha
1.0%
Kigoma
150,530ha
55.4%
Manyara
11,175ha
2.2%
Tanga
178,554ha
37.0%
Zanzibar
2,961ha
13.5%
Tabora
601ha
0.1%
Singida
0ha
0.0%
Dodoma
814ha
0.1%
Rukwa
3,050ha
0.6%
DaresSalaam
6,292ha
16.8%
Morogoro
236,848ha
43.3%
Pwani
59,671ha
21.2%
Iringa
1,116ha
0.2%
Mbeya
5,2573ha
7.5%
Lindi
1,294ha
0.4%
Ruvuma
501ha
0.1%
Mtwara
666ha
0.2%
Area planted (ha) and Percentage
of planted area
410,000 - 512,000
307,000 - 410,000
205,000 - 307,000
102,000 - 205,000
0 - 102,000

Generally, planted areas were larger in the long rainy season than in the short rainy season with about half of the regions having planted at least one hectare per household (Chart 2.21). In the short rains areas, 2 ha or larger areas planted with annual crops were recorded only in two regions (Dodoma and Sinyanga) with an average of 2.4ha per household. While between 1 and 1.5 ha planted areas were reported in six regions (Morogoro, Tabora, Rukwa, Mwanza, Ruvuma and Mara).

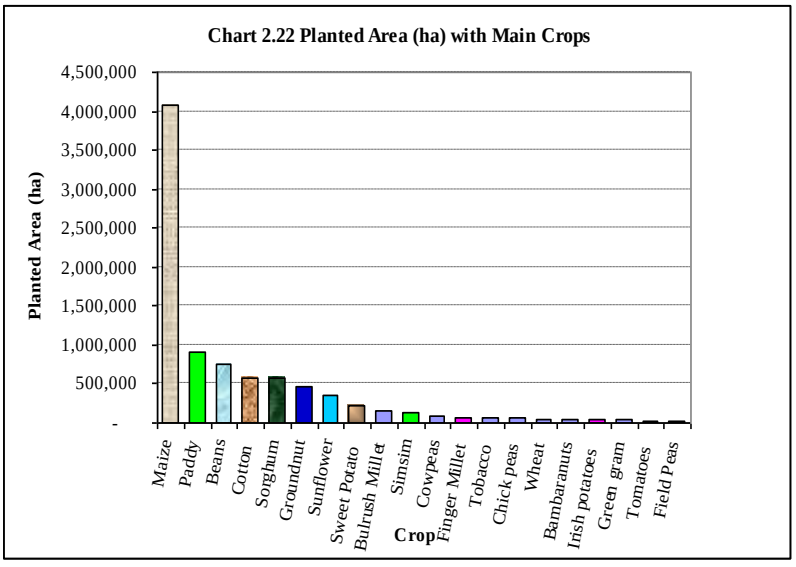


2.4.1 Main Crops

Results on the main crops are reported first, by considering the relative importance of each of the crops under the grouping of annual crops and permanent or perennial crops (tree and non-tree types) followed by separate analyses of the annual and permanent crops in different sections.

2.4.2 Relative Crop Importance

Nationwide, maize was the priority crop for the majority of households (5,107,264) across the rainy seasons followed by beans, paddy, groundnuts, sorghum and sweet potatoes, in that order, each engaging at least 500,000 households (Chart 2.22).

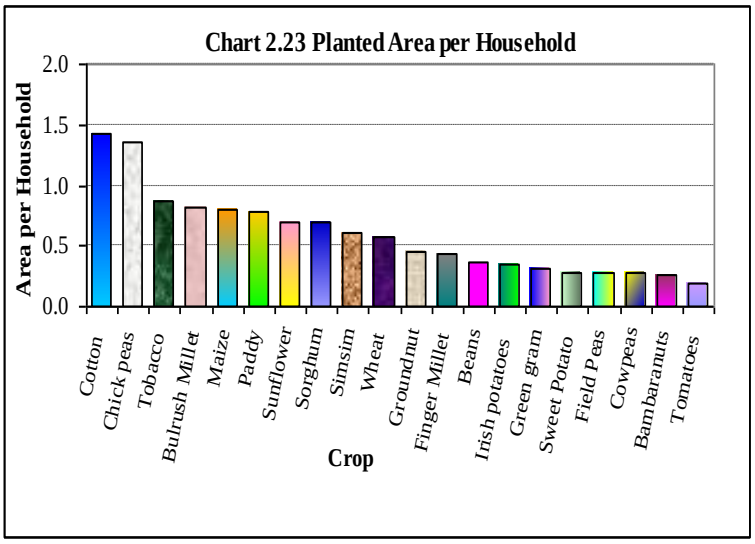


However, the trend on the basis of areas planted was slightly different with maize still remaining the highest regardless of the rainy season Total planted area for maize was 4,086,555 ha, followed by paddy (906,708 ha), beans (749,766 ha), cotton (574,836 ha) and (sorghum 568,650 ha). All other crops had below half a million hectares planted, the smallest being

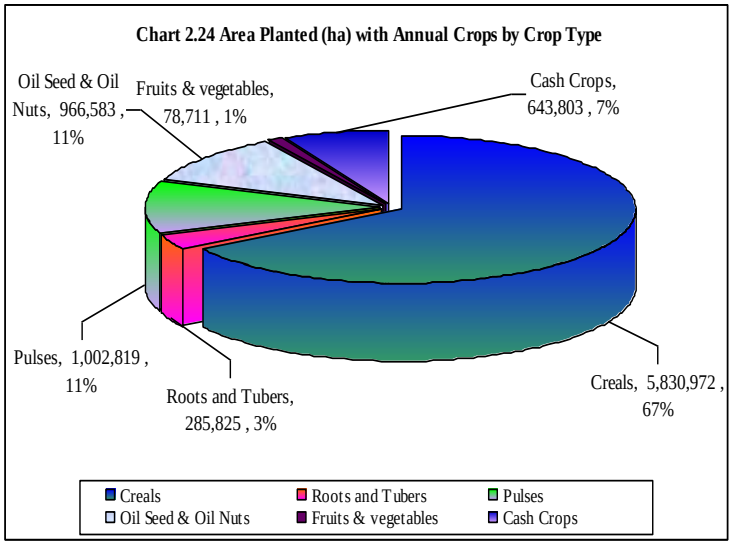
field peas with 15,220 ha (Chart 2.22). During the long rainy season, the number of households which planted maize was 3,491,793 which is more than twice that of the short rainy season season (1,615,471) households.

2.4.3 Crop Area Planted per Household

In terms of land allocation to different crops (Chart 2.23), cotton followed by chick peas, were the only two crops planted on land areas larger than a hectare per household (1.4 and 1.3 ha for cotton and chick peas, respectively). Even though the crops were planted by relatively low numbers of households (279,506 for cotton and 42,319 for chickpeas), the relatively large areas allocated to these crops illustrates their importance as cash crops.

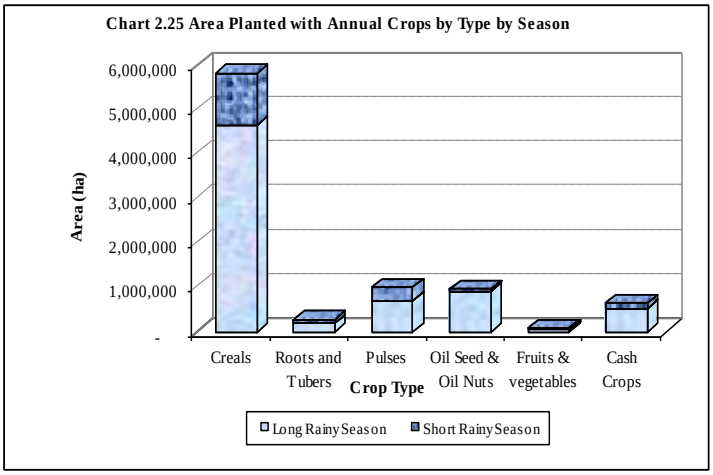


Other crops which showed apparent increased popularity compared to 2002/03 (Chart 2.23) were sunflower (347,476 ha, planted by 498,328 households); cowpeas (89,949 ha, planted by 326,923 households) and sim sim (139,910 ha, planted by 232,380 households). Tomato was the only vegetable crop grouped among the main crops alongside other main crops such as maize, paddy, and cotton.



2.5 Crop Types

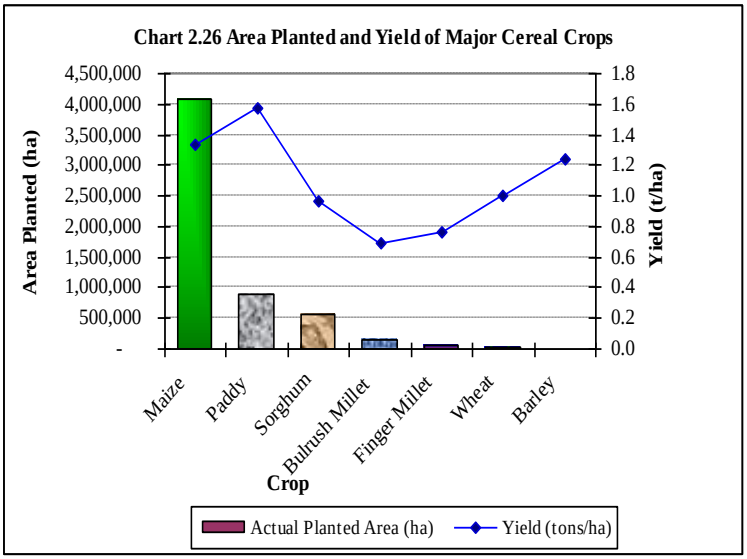
Cereals were the main type of crops grown across the country (Chart 2.24) occupying 5, 830,972 ha (67%) of the land under annual crops followed by pulses (chick pea, beans, cowpeas and green grams) on 1,002,819 ha (11%), oil seeds and oil nuts on 966,583 ha (11%), root and tubers 285,825ha (3%), cash crops (cotton, tobacco, pyrethrum, jute and seaweed) on 643,803ha (7%) and a very small proportion (1%) equivalent to 78,711 ha was planted with fruits and vegetables.



A major proportion of all the crops were planted during the long rainy season. The planted area for the short rainy season for cereal crops was about a fifth of the planted area during the long rainy season (Chart 2.25).

2.5.1 Cereal Crop Production

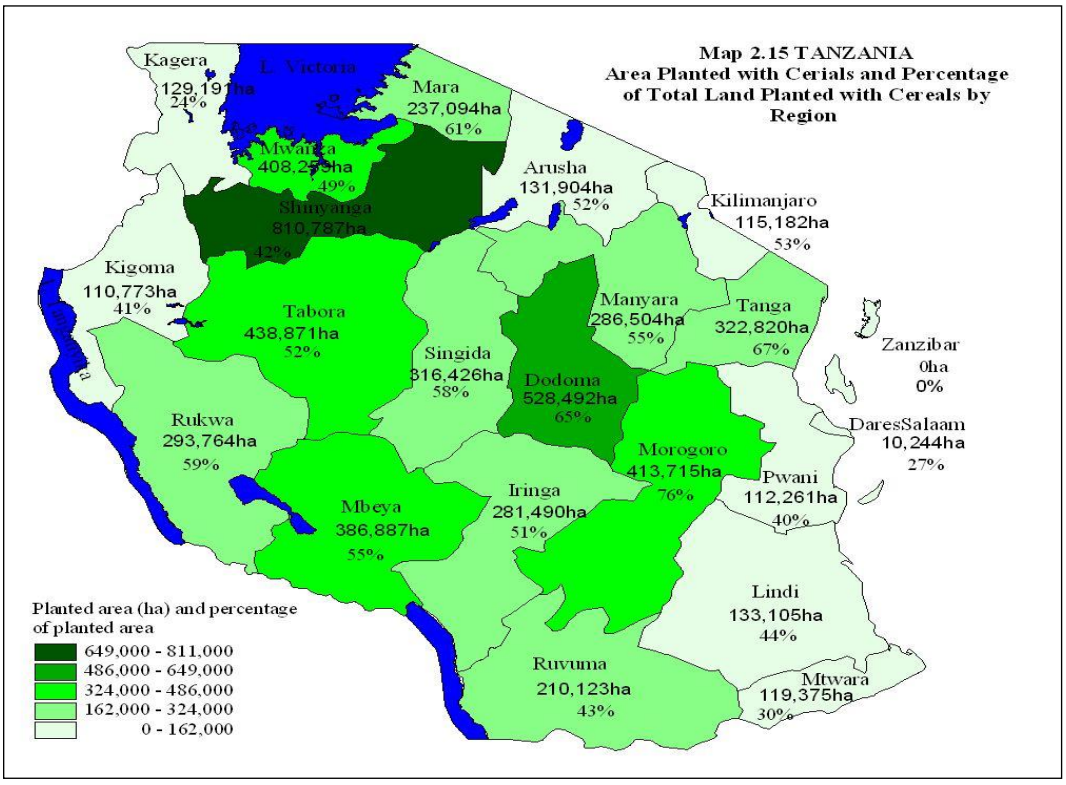
The total area planted with cereals was 5,830,972 ha of which 5797,269 ha (99.4%) in Tanzania Mainland and 33,704 ha in Zanzibar. From the total planted area in the Mainland maize occupied the largest portion of the planted area and accounted for 4,082,500 ha (70.4%) of the total cereal planted area. Likewise, maize production was the highest amongst the cereals at 5,436,776 tons equivalent to 71.6 percent of the total cereals production in the Mainland. Its productivity was about 1.3 tons/ha (Charts 2.26 and 2.27).

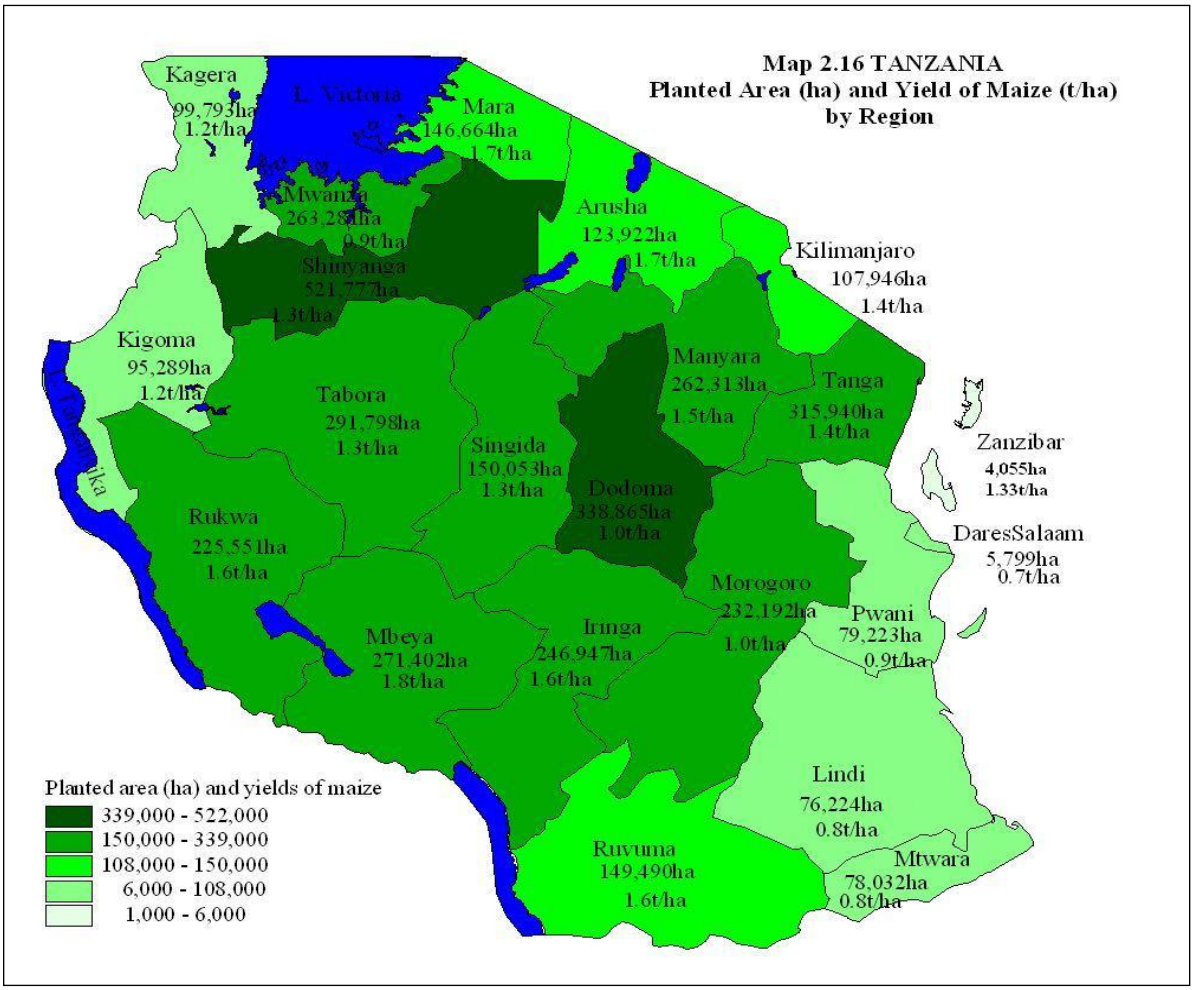


At national level, paddy was the second most popular cereal crop but the area planted to this crop was relatively limited (906,708 ha or 15.5%) while in Zanzibar, paddy was the most important cereal planted on 26,600ha (78.9%) of the land with cereals. Amongst the other cereals, sorghum was planted on a relatively large area (568,650 ha, 9.8%) compared to bulrush millet (156,797 ha, 2.7%), finger millet (68,847 ha, 1.2%), wheat (43,182 ha, 0.7%) and barley (233 ha, 0.004%). Compared to 2002/03, these proportions represent slight increases in the case of paddy, sorghum and bulrush millet and virtually no changes for the other cereals.

Generally the quantities harvested and the productivity for all cereals increased compared to 2002/03 period regardless of the production season. However, productivity for the most popular cereals was highest for paddy (1.6 tons/ha) equivalent to 43.8% increase compared to 2002/03, followed by 38.5% increase for maize and 40% increase for sorghum.

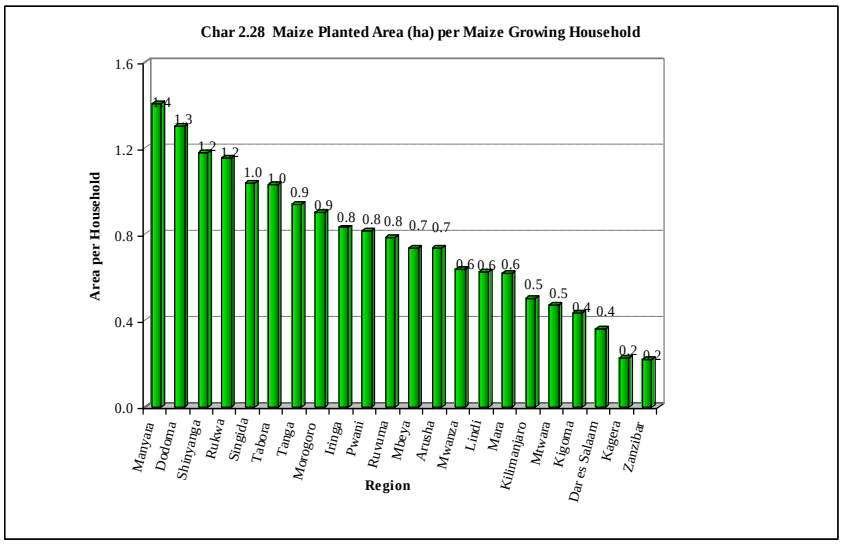
The trend for areas planted with cereals in 2007/08 remained similar to that of 2002/03 in which all the regions had land planted with cereals with 10 regions each having at least 5 percent or more under cereals . Shinyanga had the highest percentage (13.9%) or 810,787 ha. Dar es Salaam region maintained its position as the region having the lowest (10,244 ha) equivalent to 0.2 percent, followed by Zanzibar with 0.6 percent (120,325 ha) of the land under cereals (Chart 2.27 and Map 2.15.).





2.5.1.1 Maize

Across the country, maize was the most widely planted cereal in both the Mainland and Zanzibar. Of the entire 5,830,972 ha of land planted with cereals, maize occupied 4,086,555 ha or 70% of the land (Chart 2.28). Amongst regions, Shinyanga had the highest percentage of land under maize (521,777 ha) equivalent to only 27 percent of the land area in the region. Comparatively, very small propotions were devoted to maize production in Dar es Salaam region and Zanzibar of which account for 5,799 ha

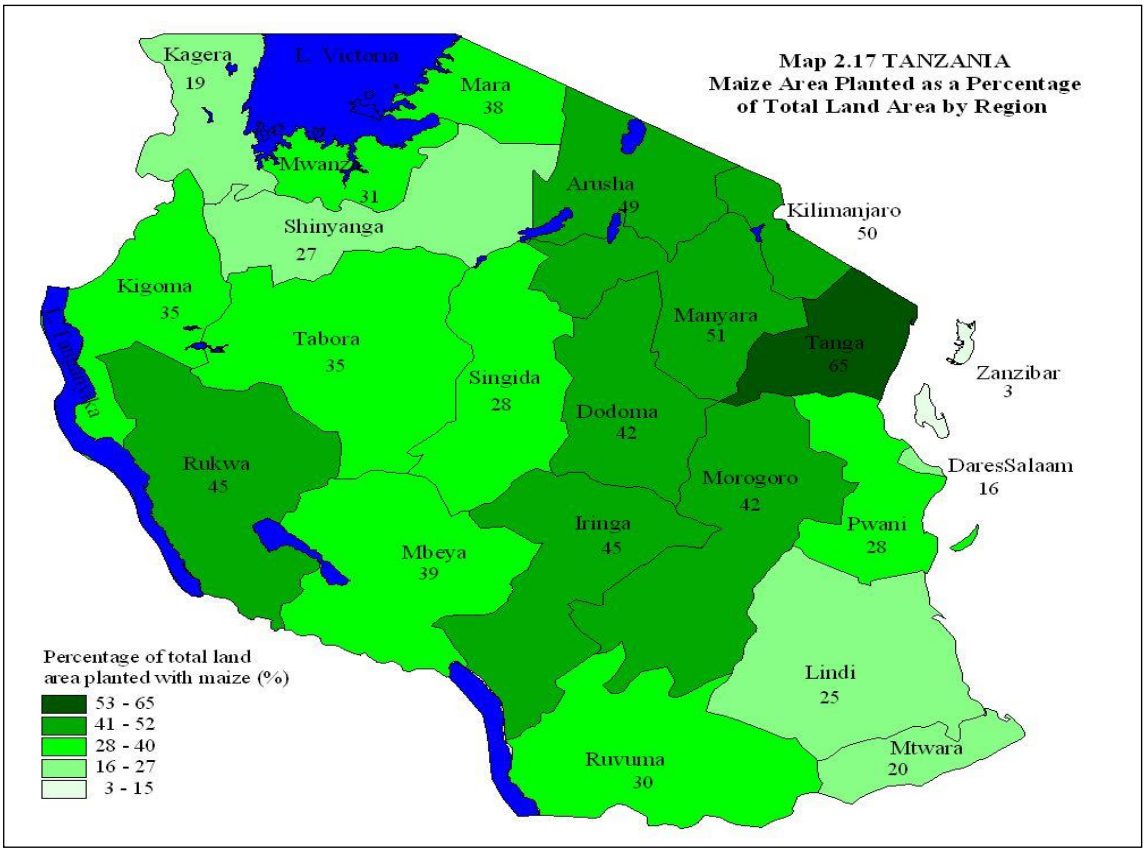


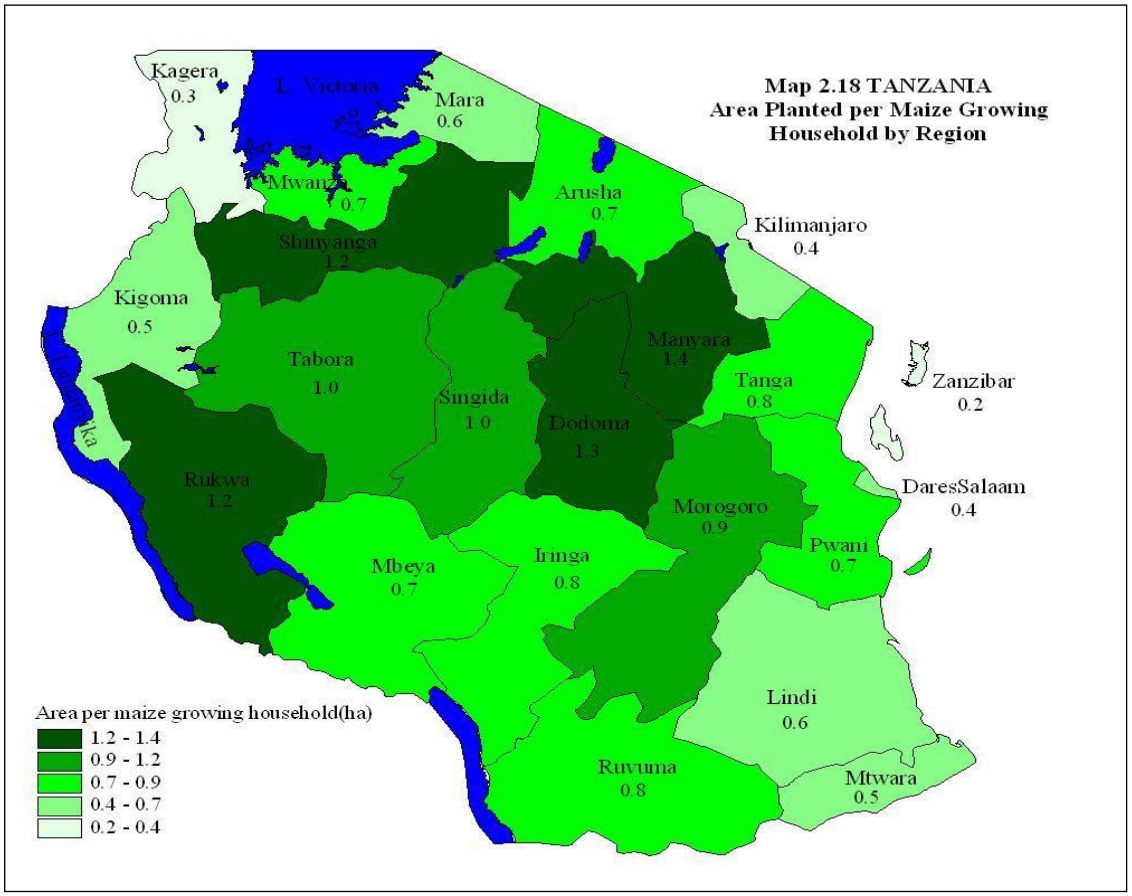
(0.14%) and 4,055 ha (0.1%) respectively. However, in Zanzibar, this presents 3.4 percent of the total land. (Chart 2.28 and Maps 2.16 and 17).

Generally, Shinyanga together with Dodoma, Tanga, Tabora, Mbeya, Mwanza, Manyara, Iringa, Morogoro and Rukwa, in that order, were the main maize producing regions in the country. (Chart 2.28). Despite the large area under maize in Shinyanga region, the area planted with maize per household was highest in Manyara (1.36 ha) followed by Dodoma (1.3 ha). Other regions that had between 1.0 and 1.3 ha per household (Chart 2.28 and Map 2.18) were Shinyanga (1.18 ha), Rukwa (1.15 ha), Singida (1.04 ha) and Tabora (1.03 ha).

The number of households which planted maize in the long rainy season was 3,491,793 households or 60.4 percent of the total crop growing households in Tanzania (3,479,383 on the Mainland and 12,410 in Zanzibar) and in the short rainy season the number was 1,615,471 present 28 percent of the total crop growing household (1,608,934 households on the Mainland and 6,537 households in Zanzibar).

However, the total production of maize was 5,444,178 tons (5,438,776 tons in the Mainland and 5,402 tons in Zanzibar). Production has increased dramatically by over 2,827,063 tones since the 2002/03 agricultural year. The average yield of maize was, in most regions, above one ton with Mbeya (1.82 tons/ha) followed by Mara (1.75 tons/ha) being the most productive regions. In Mwanza, Pwani, Mtwara, Lindi and Dar es salaam regions, average yields were less than a ton/ha.

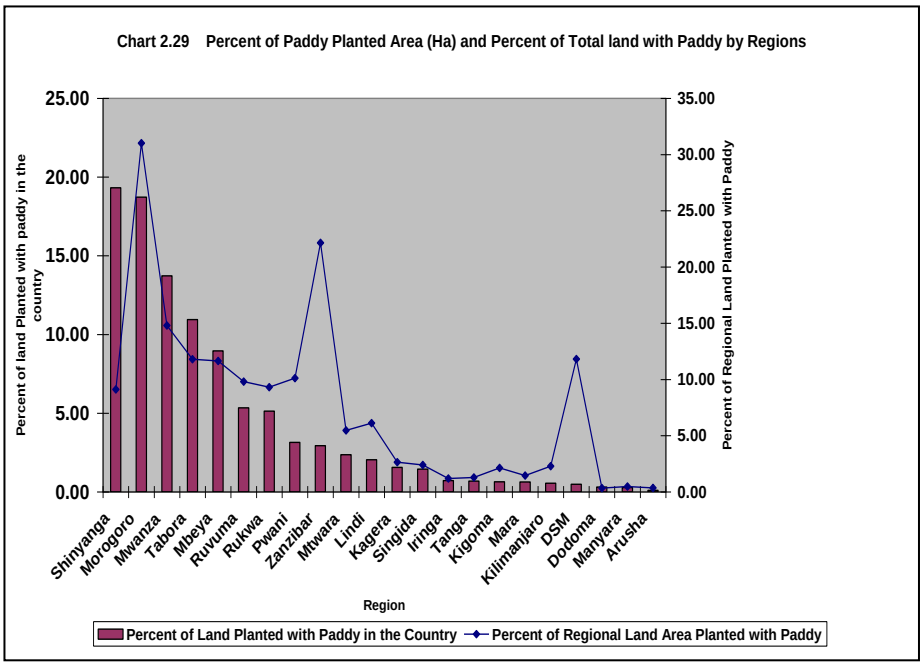

Map 2.17 TANZANIA
Maize Area Planted as a Percentage of Total Land Area by Region
Kagera 19
L. Victoria
Mara 38
Mwanza 31
Shinyanga 27
Arusha 49
Kilimanjaro 50
Kigoma 35
Tabora 35
Singida 28
Manyara 51
Tanga 65
Zanzibar 3
Dodoma 42
Rukwa 45
Morogoro 42
DaresSalaam 16
Iringa 45
Pwani 28
Mbeya 39
Lindi 25
Ruvuma 30
Mtwara 20
Percentage of total land area planted with maize (%)
53 - 65
41 - 52
28 - 40
16 - 27
3 - 15


Map 2.18 TANZANIA
Area Planted per Maize Growing Household by Region
Kagera 0.3
L. Victoria
Mara 0.6
Mwanza 0.7
Arusha 0.7
Kilimanjaro 0.4
Shinyanga 1.2
Kigoma 0.5
Tabora 1.0
Manyara 1.4
Tanga 0.8
Zanzibar 0.2
Singida 1.0
Dodoma 1.3
Rukwa 1.2
Morogoro 0.9
DaresSalaam 0.4
Pwani 0.7
Mbeya 0.7
Iringa 0.8
Lindi 0.6
Ruvuma 0.8
Mtwara 0.5
Area per maize growing household(ha)
1.2 - 1.4
0.9 - 1.2
0.7 - 0.9
0.4 - 0.7
0.2 - 0.4

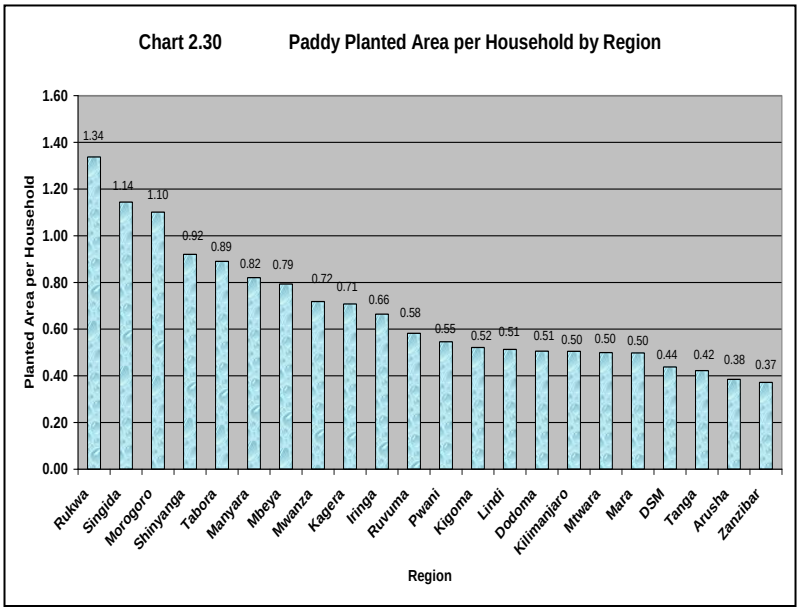
2.5.1.2 Paddy

Like maize, paddy was also grown in all regions of Tanzania but in varying proportions. Compared to 2002/03, the number of households growing paddy increased by about 20 percent bringing the national total number of households engaged in paddy production (Mainland and Zanzibar) to 1,162,050.

Shinyanga region had the highest percent of land planted with paddy in the country (19.3%) and the highest actual regional land planted with paddy (175,192 ha).



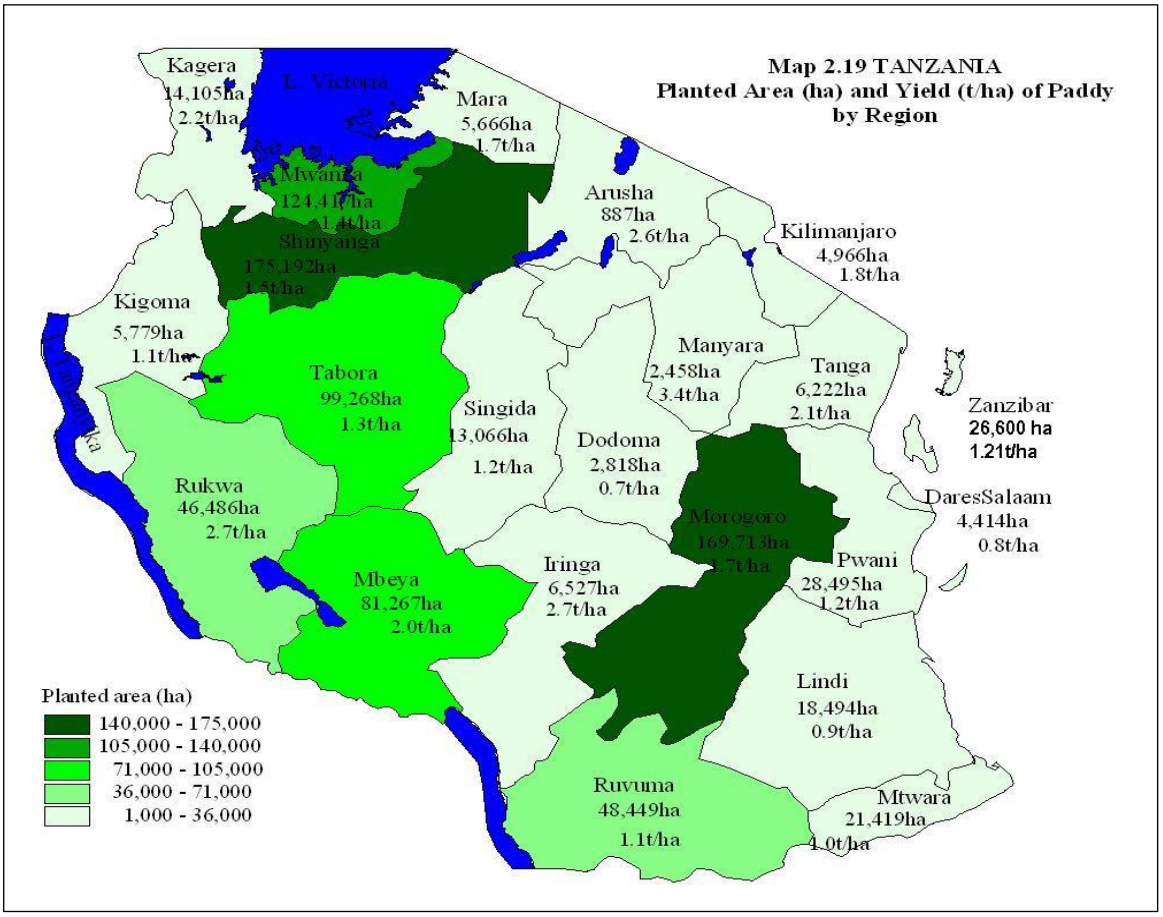
Other regions with similarly large proportions of land planted with paddy as a proportion of national land (Chart 2.29 and Maps 2.19 and 20) were Morogoro (18.7%), Mwanza (13.7%) and Tabora (11%). However, on a regional basis, Morogoro had the largest percent of land (31%) planted with paddy followed by Zanzibar (22.2%) Mwanza (14.8%) and Dar es Salaam (11.8%). All other regions had less than 10% of the land planted with paddy.

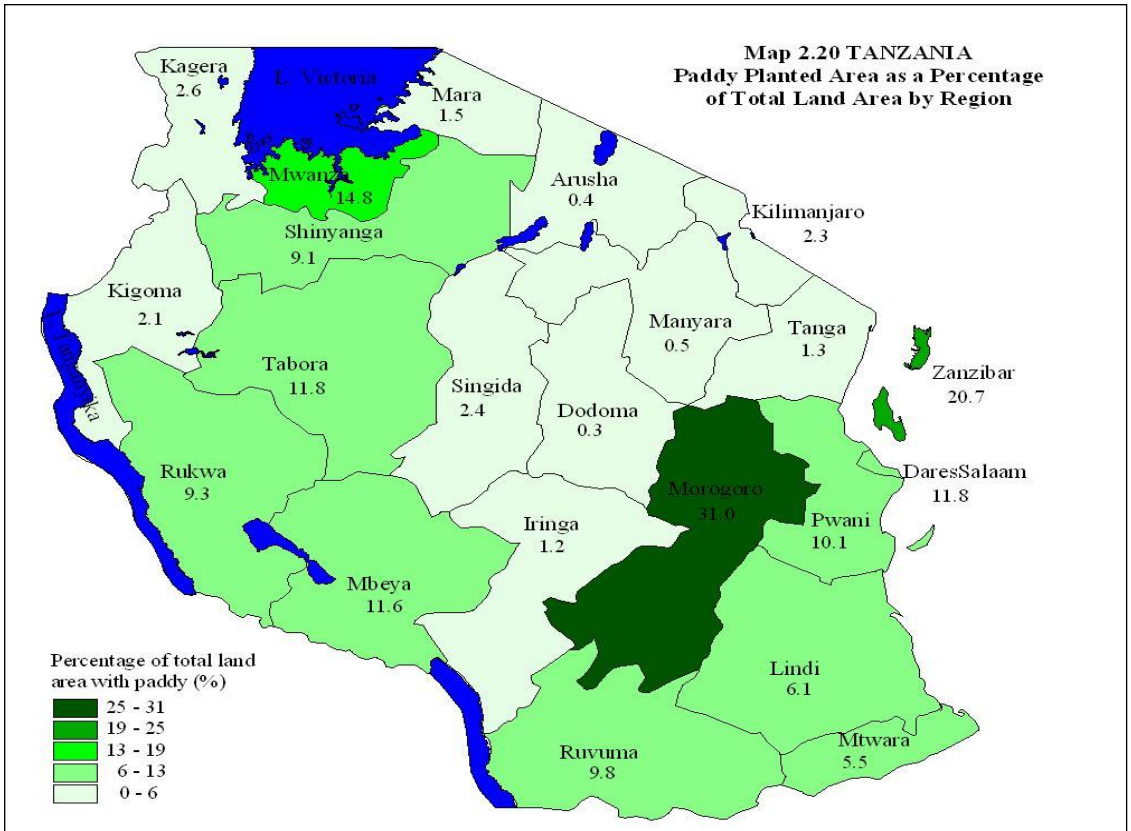


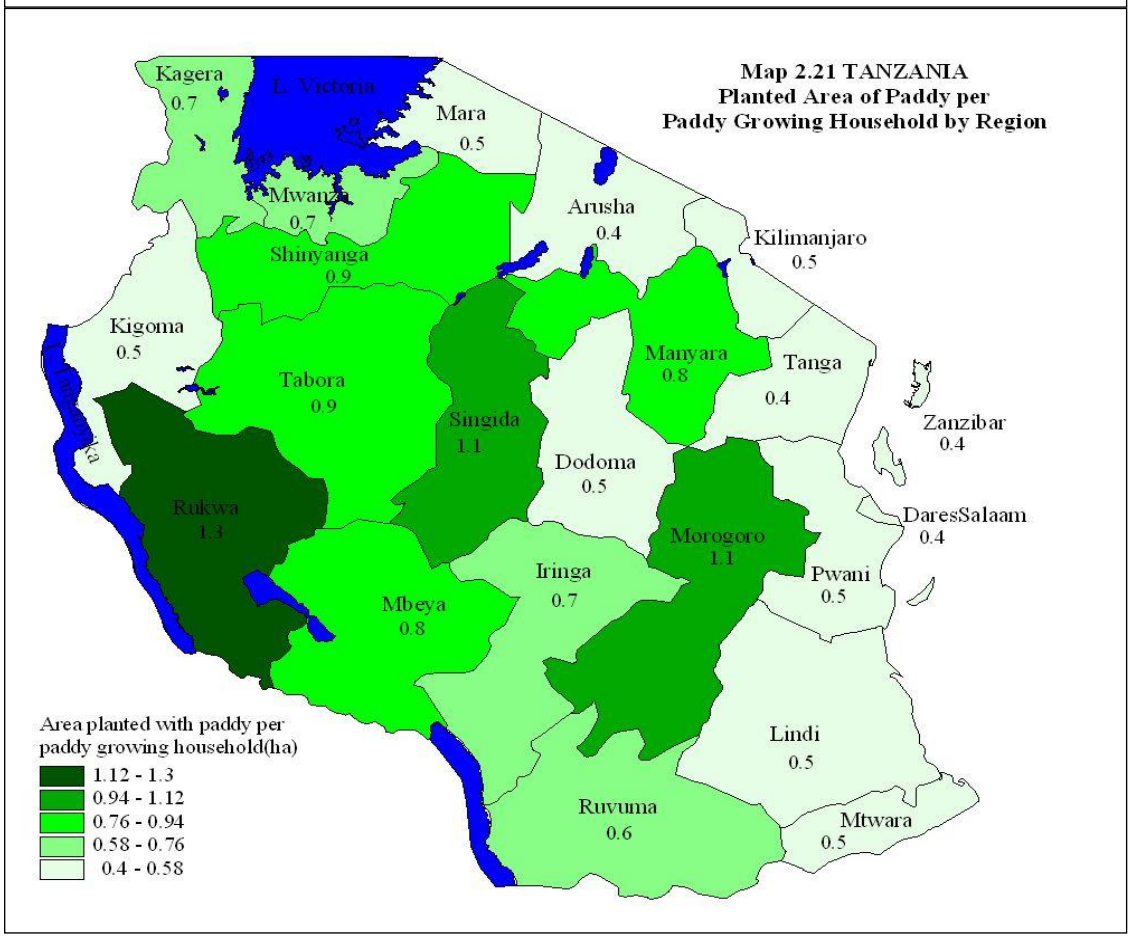
Arusha region had the lowest number of households (2,308) and the smallest actual regional land planted with paddy (887 ha or 0.1%). Paddy production was most popular in Rukwa region

where the paddy planted area per household was highest (1.34 ha) and Zanzibar had the lowest (0.37 ha). This implies that paddy production was important in Zanzibar but farm sizes were limited by availability of land (Chart 2.30, Maps 2.21).

Compared to the 2002/03 Agriculture Census data where yields were reported to be an average of one ton/ha, paddy yields have increased dramatically and in some cases by more than 100%. The yield range was wide (2.16) with the lowest recorded in Dodoma (0.7 tons/ha) and the highest yield was recorded in Manyara region (3.4 tons/ha). Rukwa region which had the highest area planted with paddy per household (1.34 ha) also had the second highest average yield of 2.74 tons/ha.

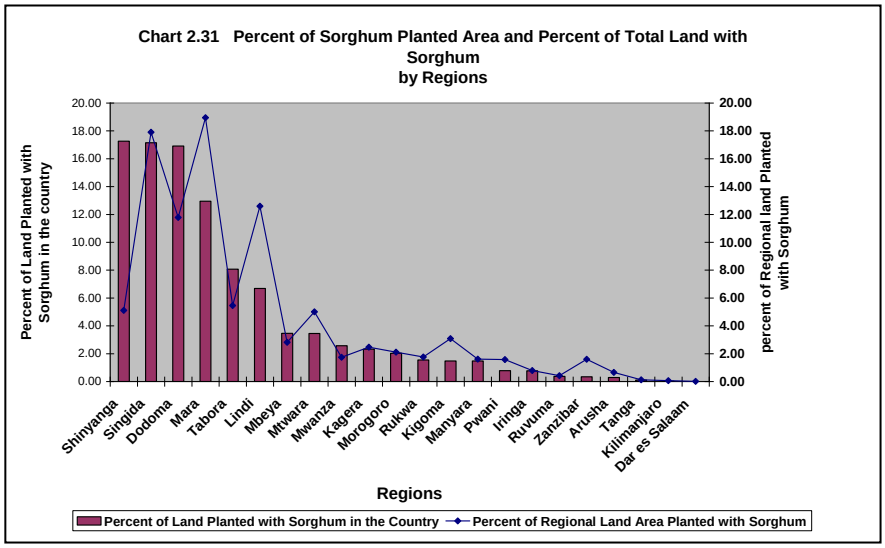



Map 2.20 TANZANIA
Paddy Planted Area as a Percentage of Total Land Area by Region
Kagera 2.6
L. Victoria
Mara 1.5
Mwanza 14.8
Shinyanga 9.1
Kigoma 2.1
Tabora 11.8
Rukwa 9.3
Singida 2.4
Arusha 0.4
Kilimanjaro 2.3
Manyara 0.5
Tanga 1.3
Zanzibar 20.7
Dodoma 0.3
Morogoro 31.0
DaresSalaam 11.8
Pwani 10.1
Iringa 1.2
Mbeya 11.6
Lindi 6.1
Ruvuma 9.8
Mtwara 5.5
Percentage of total land area with paddy (%)
25 - 31
19 - 25
13 - 19
6 - 13
0 - 6


Map 2.21 TANZANIA
Planted Area of Paddy per Paddy Growing Household by Region
Kagera 0.7
L. Victoria
Mara 0.5
Mwanza 0.7
Shinyanga 0.9
Kigoma 0.5
Tabora 0.9
Rukwa 1.3
Singida 1.1
Arusha 0.4
Kilimanjaro 0.5
Manyara 0.8
Tanga 0.4
Zanzibar 0.4
Dodoma 0.5
Morogoro 1.1
DaresSalaam 0.4
Pwani 0.5
Iringa 0.7
Mbeya 0.8
Lindi 0.5
Ruvuma 0.6
Mtwara 0.5
Area planted with paddy per paddy growing household(ha)
1.12 - 1.3
0.94 - 1.12
0.76 - 0.94
0.58 - 0.76
0.4 - 0.58

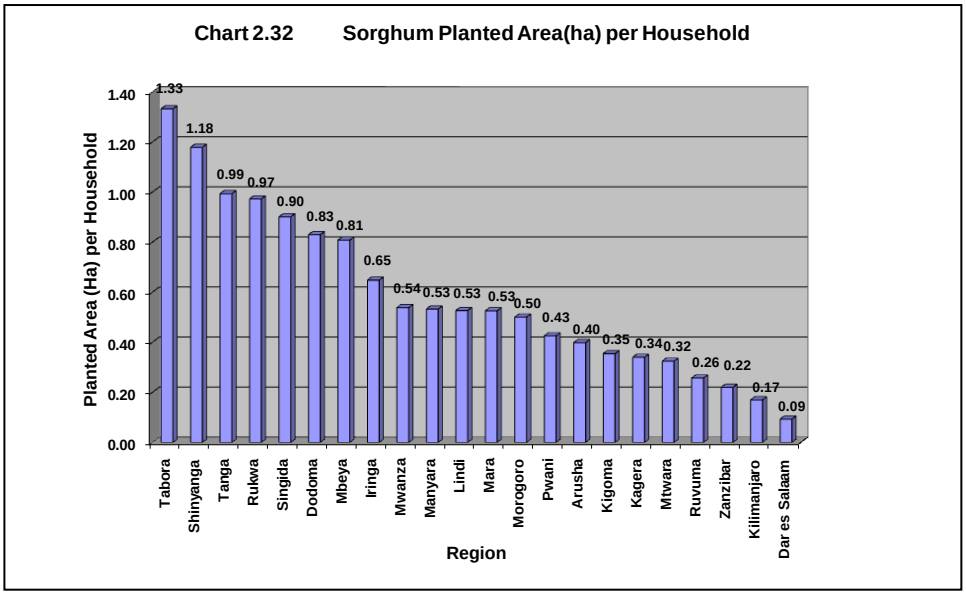
2.5.1.3 Sorghum

At national level, a total of 669,102 households planted sorghum in the long rainy season and 146,429 in the short rainy season. This represented 11.6 percent and 2.5 percent of the total crop growing households in the country



The total area planted with sorghum was 568,650ha (566,728ha in Tanzania Mainland and 1,922ha in Zanzibar). The highest proportion of land planted with sorghum (Chart 2.31 and Maps 2.22 and 2.23) was in the three regions of Shinyanga (98,145 ha or 17.3%), Singida (97,513 ha or 17.2%) and Dodoma (96,147 ha or 16.9%) with the second notch occupied by Mara (13%), Tabora (8.1%) and Lindi (6.7). However, Shinyanga region had the largest total National area planted with sorghum 1,922,968 ha and this presents 12 percent of the total regional land in the country.

The total production amounted to 552,353 tons of which almost one fifth (111,959 tons) was produced in Singida region. However, sorghum was most productive in Tanga region (1.5 tons/ha) where both the actual regional land area planted with sorghum (593 ha) and the number of households producing sorghum (596) were third and second lowest after Dar es Salaam and Kilimanjaro regions (Chart 2.32).



Sorghum planted areas of at least one ha per household were recorded in Tabora and shinyanga, (Chart 2.32 and Map 2.24). The land area planted per household was largest in Tabora (1.3 ha) and lowest in Dar es Salaam (0.09 ha). Generally, however, the land areas planted with sorghum per household were comparable to the areas allocated to the production of maize and paddy.

2.5.1.4 Other Cereals

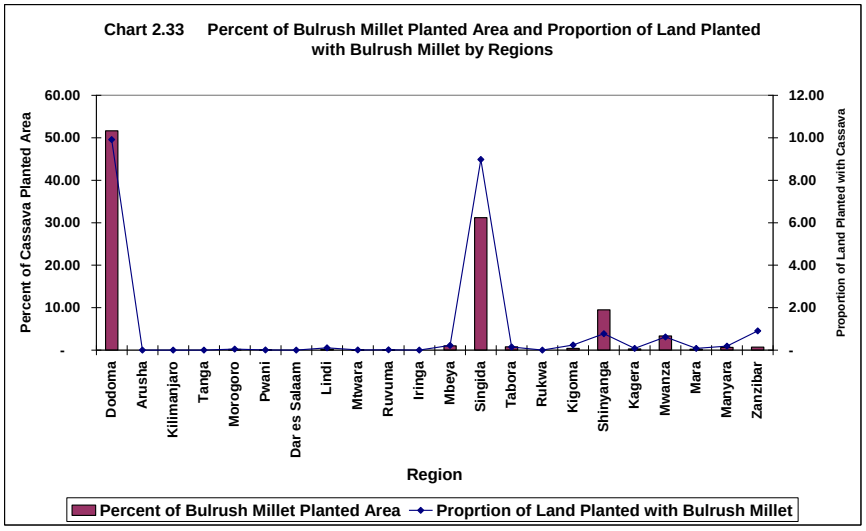
Other cereals that were produced, even though in small quantities and by relatively fewer households, include bulrush millet, finger millet, wheat and barley (Table 2.2).

Table 2.2 Production of Other Cereals

Region	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
1. Burlush Millet				
Dodoma	106,449	80,956	47,738	0.59
Singida	58,960	48,891	36,903	0.75
Shinyanga	9,156	14,595	14,798	1.01
Mbeya	2,679	1,544	837	0.54
Other Regions	6,481	5,287	3,496	0.66
Total	**183,725**	**151,273**	**103,772**	**0.69**
2. Finger Millet				
Dodoma	13,448	9,705	6,232	0.64
Ruvuma	21,225	7,278	5,542	0.76
Iringa	17,363	6,072	3,466	0.57
Mbeya	18,795	7,265	3,846	0.53
Singida	9,070	6,830	6,227	0.91
Rukwa	13,212	10,637	10,390.48	0.98
Mara	15,154	5,722	5,996.94	1.05
Other Regions	22,997	6,665	4,345	0.65
Total	**131,263**	**60,174**	**46,045**	**0.77**
3. Wheat				
Arusha	4,162	4,002	5,386.34	1.35
Ruvuma	7,546	2,737	1,673.36	0.61
Iringa	40,590	17,530	12,646.26	0.72
Mbeya	12,149	5,419	4,153	0.77
Rukwa	2,378	1,939	3,767	1.94
Manyara	3,575	10,194	15,123.99	1.48
Other Regions	448	115	90.35	0.79
Total	**70,847**	**41,935**	**42,840**	1.02
4. Barley				
Arusha	356	180	245.79	1.4
Total	**548**	**233**	**289**	**1.24**

Bulrush millet is mainly grown in the long rainy season and in very few regions during the short rainy season. During the short rains, Mwanza was the only region with a very high proportion of growing households (2.903 households, 79 percent of the households in the Mainland) and produced 2,135 tons. The remaining 21 % of the growing households in the Mainland were found in Morogoro, Shinyanga, Kagera and Mara regions which all together produced 972 tons during the short rain season.

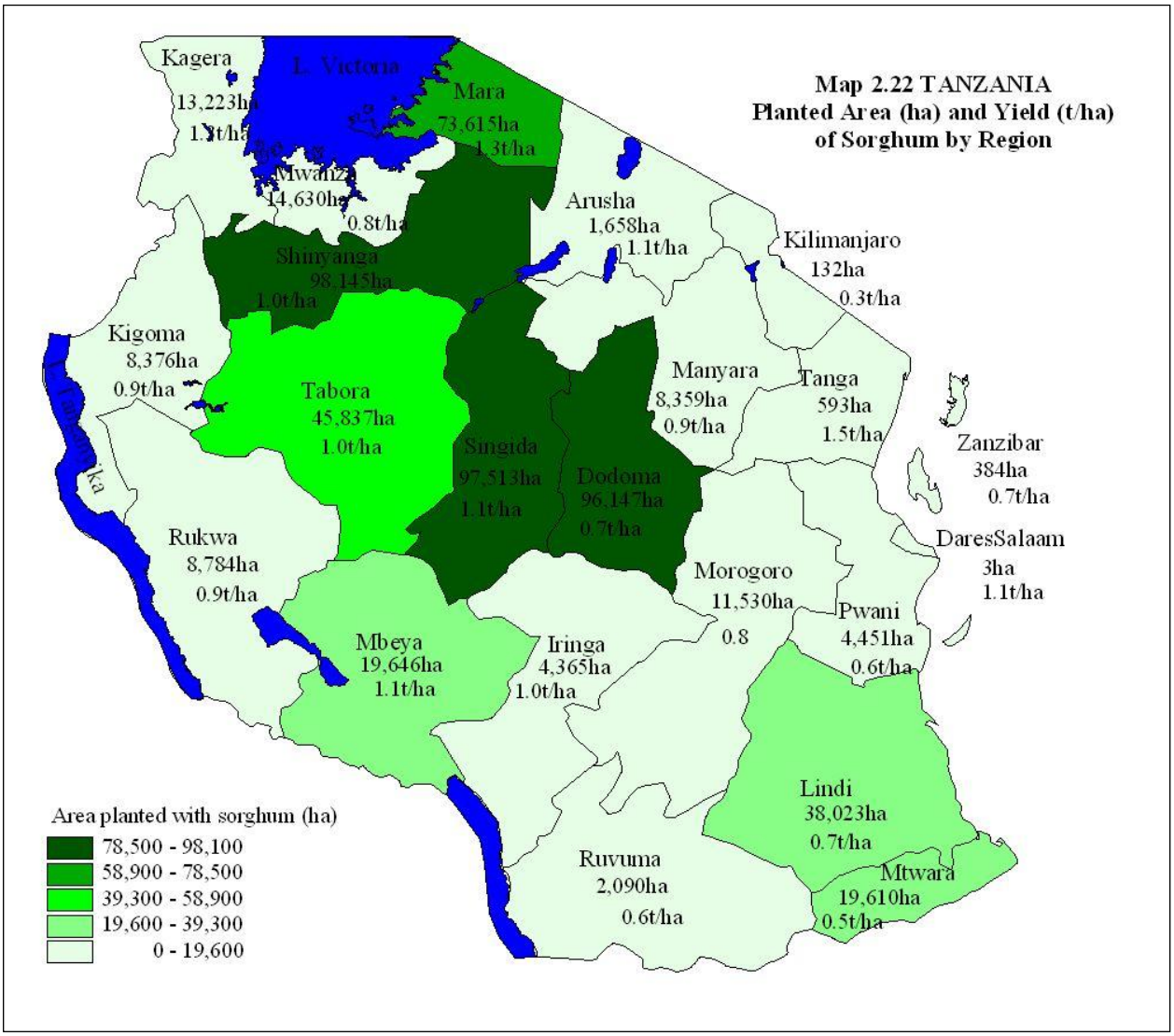
During the long rainy season, bulrush millet was grown mainly in four regions (Chart 2.33); Dodoma, Singida, Shinyanga and Mwanza, in decreasing order of importance. Dodoma region was leading with 106,449 households equivalent to 57.6% of all producing households in Tanzania; had the largest actual planted area (80,956 ha) and the largest quantity harvested (47,738 tons), followed by Singida.

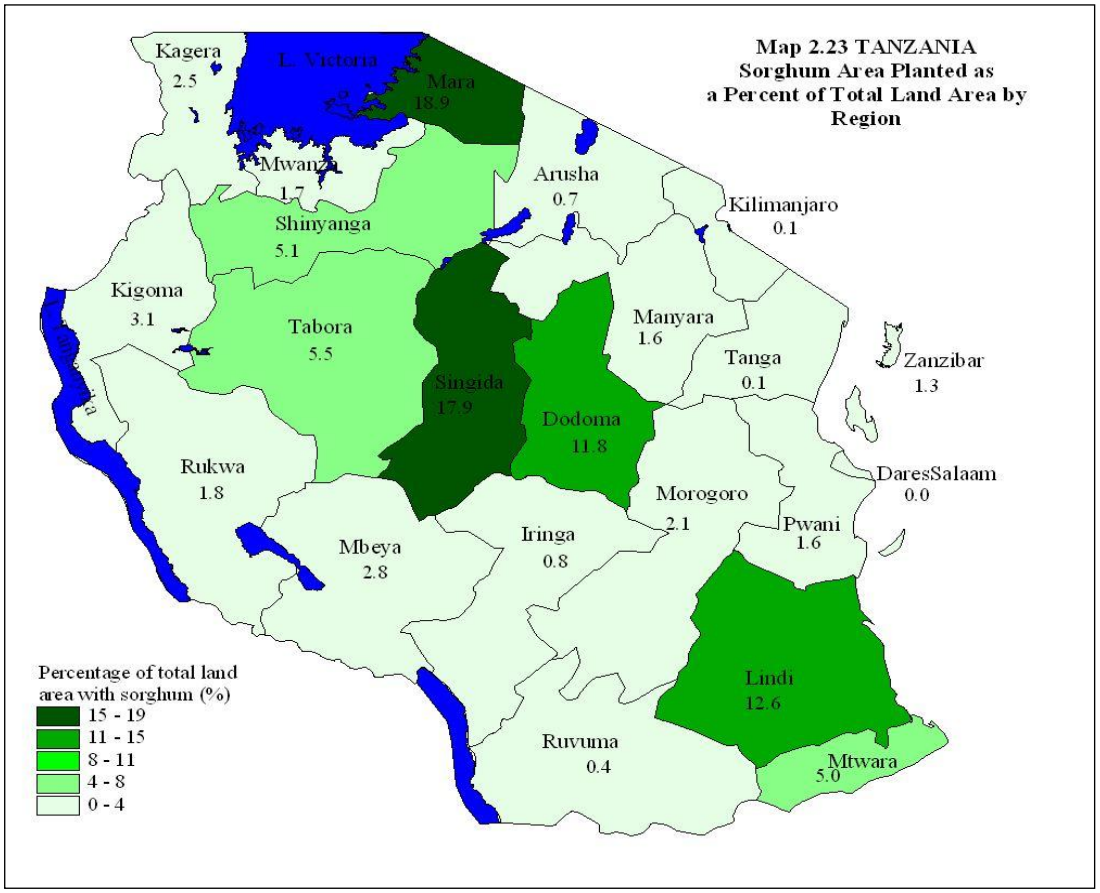


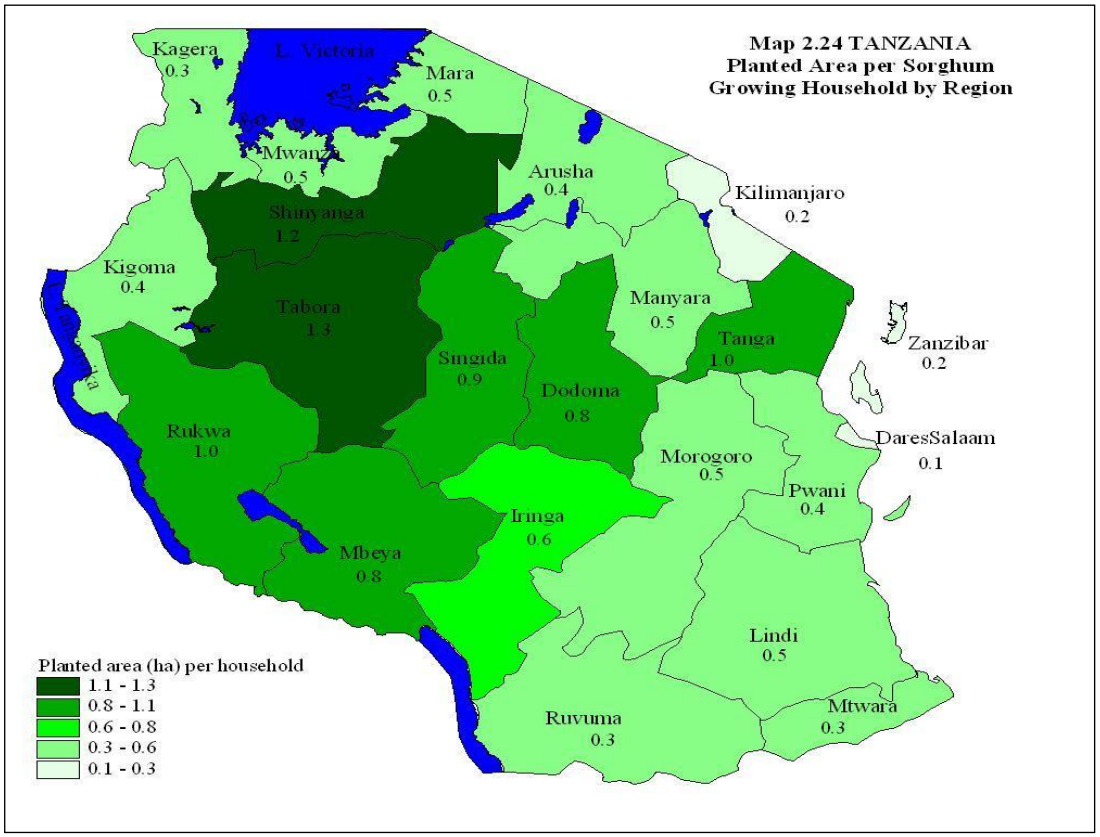
Shinyanga region was third overall with respect to number of households, actual area planted and quantity harvested. However, bulrush millet productivity in this region was the highest at 1.6 tons/ha during the short rain season and 1.0 tons/ha during the long rain season.

Finger millet was planted in all regions except Tanga, Morogoro, Pwani and Kigoma during long rain season. Six regions have more than a thousand households that planted the crop with Mara region having 13,005 households (52% of all households in the country) during short rain season. Finger millet was most popular in Mara region where 28,158, (22.9%) of the total households in the region (127,938 households planted finger millet during short rainy season and 15,154 during long rainy season). However, the largest planted area was in Rukwa region (10,637 ha) during long rain season which also produced the largest quantity harvested (10,390 tons) and differed from Mara Region where the crop is grown in both seasons. (Table 2.2). The crop was not grown in Zanzibar,

About 70,847 households were involved in wheat production with a cultivated area of 41,935 ha in long rainy season. Wheat was mainly recorded in Arusha, Ruvuma, Iringa, Mbeya, Rukwa and Manyara regions during 2007/08 Agriculture Sample Census (Table 2.2). Iringa region had the largest number of households involved (40,590, 57 %) and the largest actual planted area (17,530 ha, 41.8%) during long rain season. The largest land area for wheat production per household was in Manyara (2.8 ha per household) but the crop was most productive in Rukwa region (1.94 tons/ha) followed by Manyara (1.48 tons/ha) and Arusha (1.35 tons/ha) in long rain season. The productivity in all other regions, including Iringa, was less than one ton/ha.




Map 2.23 TANZANIA
Sorghum Area Planted as
a Percent of Total Land Area by
Region
Kagera
2.5
L. Victoria
Mara
18.9
Mwanza
1.7
Arusha
0.7
Kilimanjaro
0.1
Shinyanga
5.1
Kigoma
3.1
Tabora
5.5
Manyara
1.6
Tanga
0.1
Zanzibar
1.3
Singida
17.9
Dodoma
11.8
Rukwa
1.8
DaresSalaam
0.0
Morogoro
2.1
Pwani
1.6
Iringa
0.8
Mbeya
2.8
Lindi
12.6
Ruvuma
0.4
Mtwara
5.0
Percentage of total land
area with sorghum (%)
15 - 19
11 - 15
8 - 11
4 - 8
0 - 4

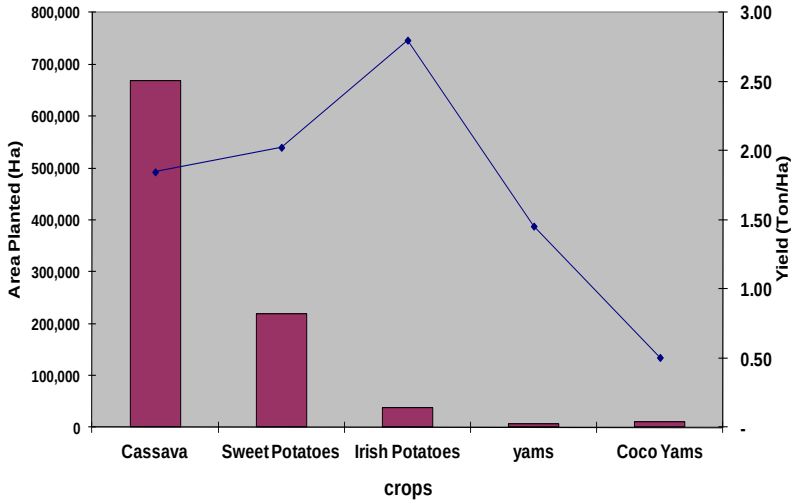

Map 2.24 TANZANIA
Planted Area per Sorghum
Growing Household by Region
Kagera
0.3
L. Victoria
Mara
0.5
Mwanza
0.5
Arusha
0.4
Kilimanjaro
0.2
Shinyanga
1.2
Kigoma
0.4
Tabora
1.3
Manyara
0.5
Tanga
1.0
Zanzibar
0.2
Singida
0.9
Dodoma
0.8
Rukwa
1.0
DaresSalaam
0.1
Morogoro
0.5
Pwani
0.4
Iringa
0.6
Mbeya
0.8
Lindi
0.5
Ruvuma
0.3
Mtwara
0.3
Planted area (ha) per household
1.1 - 1.3
0.8 - 1.1
0.6 - 0.8
0.3 - 0.6
0.1 - 0.3

2.5.2 Root and Tuber Crop Production

Root and tuber crops were produced both during the short and long rain season but predominantly in the latter for both the Mainland and Zanzibar (Table 2.3). A total of 1,872,612 households were reported to engage in root crop production considering in the two rain seasons. The total production of roots and tubers was 1,186,616 tons of which 1,164,458 tons were produced in the Mainland (a decline of 51.6% compared to the 2,405,132 tons produced in 2002/03) and 22,158 tons were produced in Zanzibar (a decline of 72% compared the 79,060 tons produced in 2002/03).

Cassava is the major crop in the root and tuber group of crops in Tanzania. (Chart 2.34). It engaged 1,303,749 households with an area of 669,134 hectare. Sweet potatoes were grown by 275,003 households during short rainy season and 467,089 households during long rain season in the Mainland. The crop is also important in Zanzibar, where 12,241 households and 16,924 households were engaged during short and long rain seasons, respectively.

Chart 2.34 Area Planted (Ha) and Yield of Major Root and Tuber Crops



The actual area planted was 3,100 ha during short rain and 4,824 ha during long rain with production of 6,269 tons and 10,600 tons respectively.

On the other hand, both Irish potatoes which were planted on a total of 38,814 ha (13.6%) by 110,965 households (10.6%) and coco yams which were planted on 10,940 ha (3.8%) indicate increased engagement by households and allocation of land for the two crops (Chart 2.34) compared to 2002/03.

With the exception of coco yams planted in the short rains, the productivity of all other roots and tuber crops in the Mainland was at least one ton/ha, the highest being for Irish potatoes planted

during the long rains (3.9 tons/ha). Productivity was generally higher in Zanzibar for most of the root and tuber crops except Irish potatoes in the two seasons and yams in the long rainy season.

2.2.1 Sweet Potato

Total area planted with sweet potatoes was 218,251 ha. On a regional basis (Chart 2.35 and Map 2.21) about 55% of the national land planted with sweet potatoes was in two regions: Shinyanga (69,155 31.7% of total national planted area) and Mwanza (23.3% or 50,736 ha). The two regions were followed by Kagera (17,070 ha, 7.8%) Mara (18,127 ha, 8.3%) and Tabora (18,613 ha, 8.5%). Despite sweet potatoes being the predominant crop in the category of roots and tubers in Zanzibar, the 7,924 ha represented only 3.6% of the total planted area (Chart 2.35 and Map 2.22).

Chart 2.35 Percent of Planted Area (Ha) and Percent of Land with Sweet Potatoes

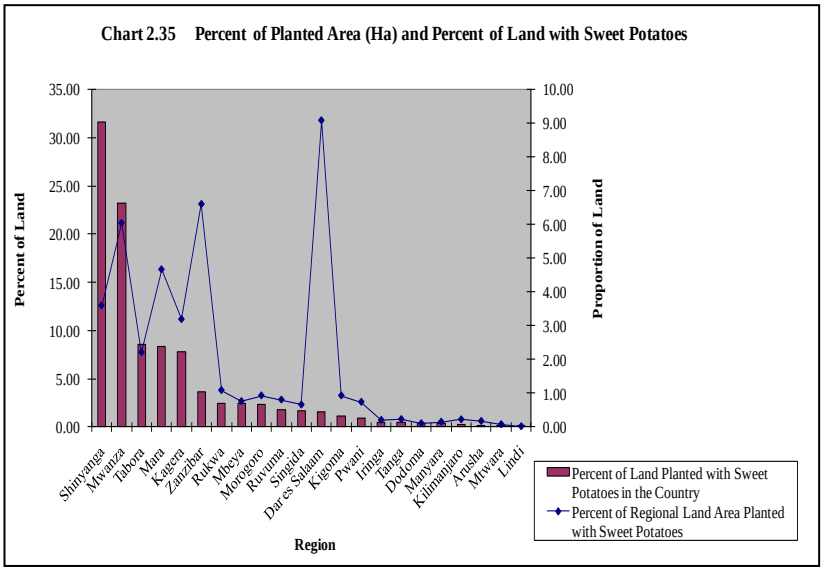
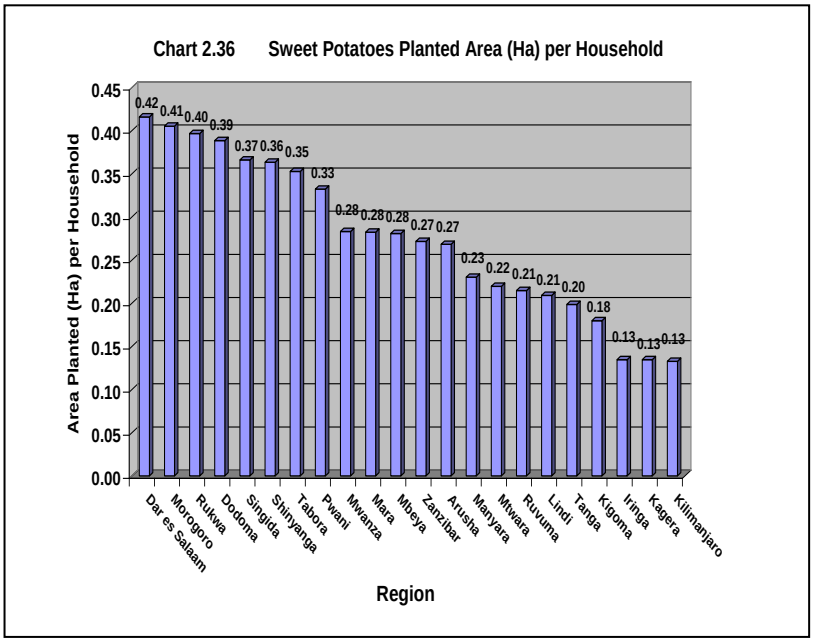
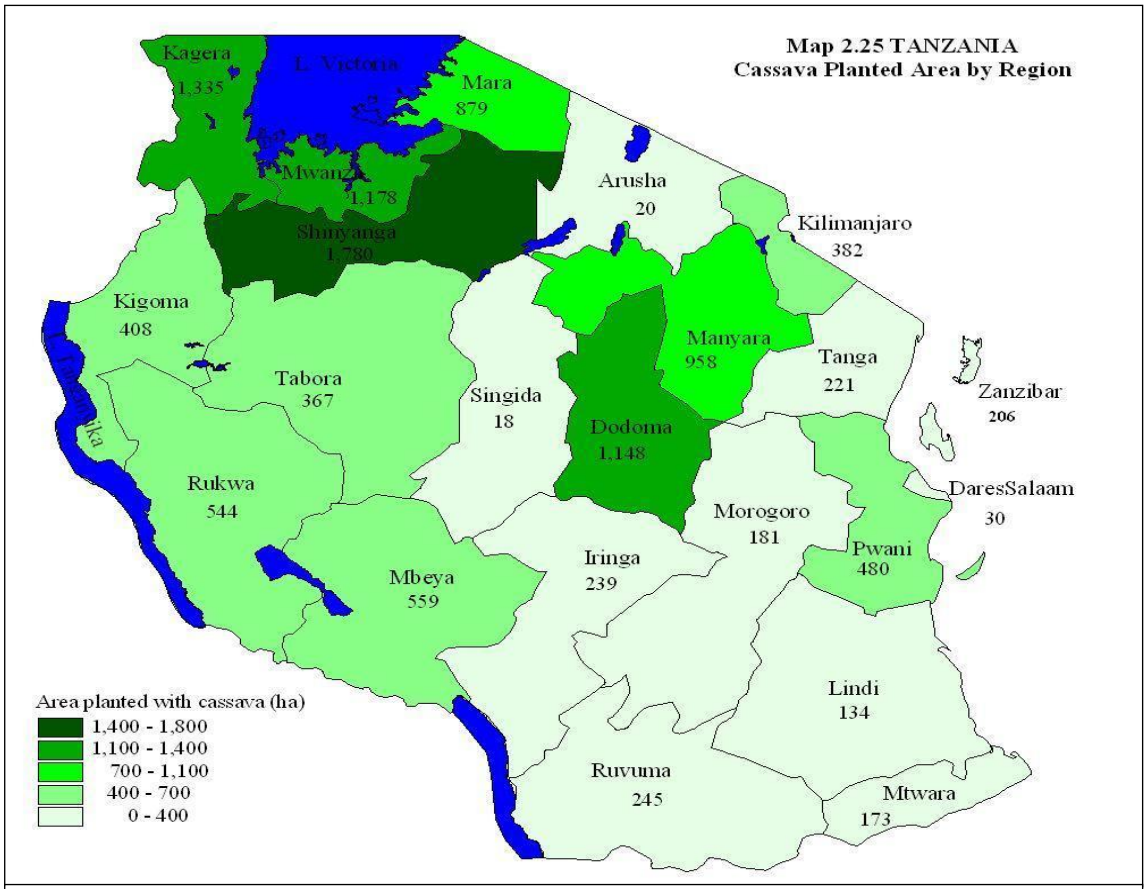
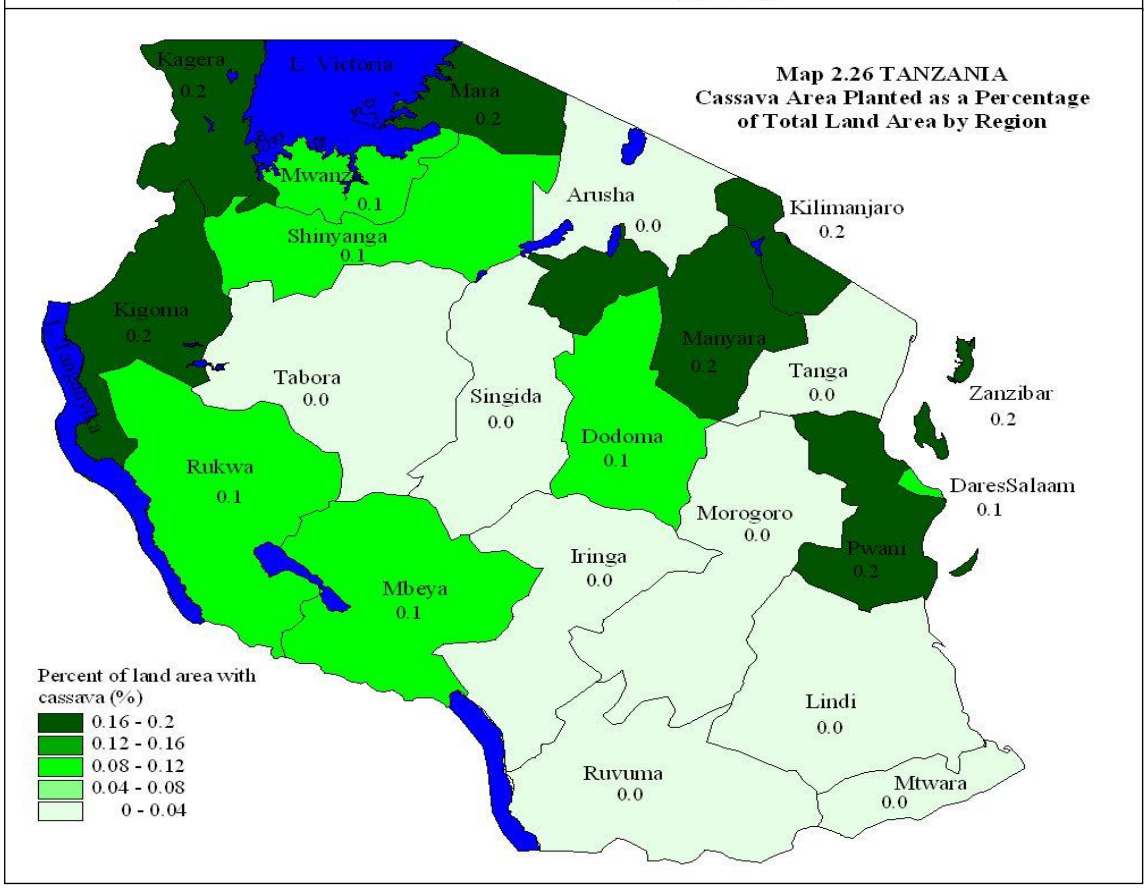


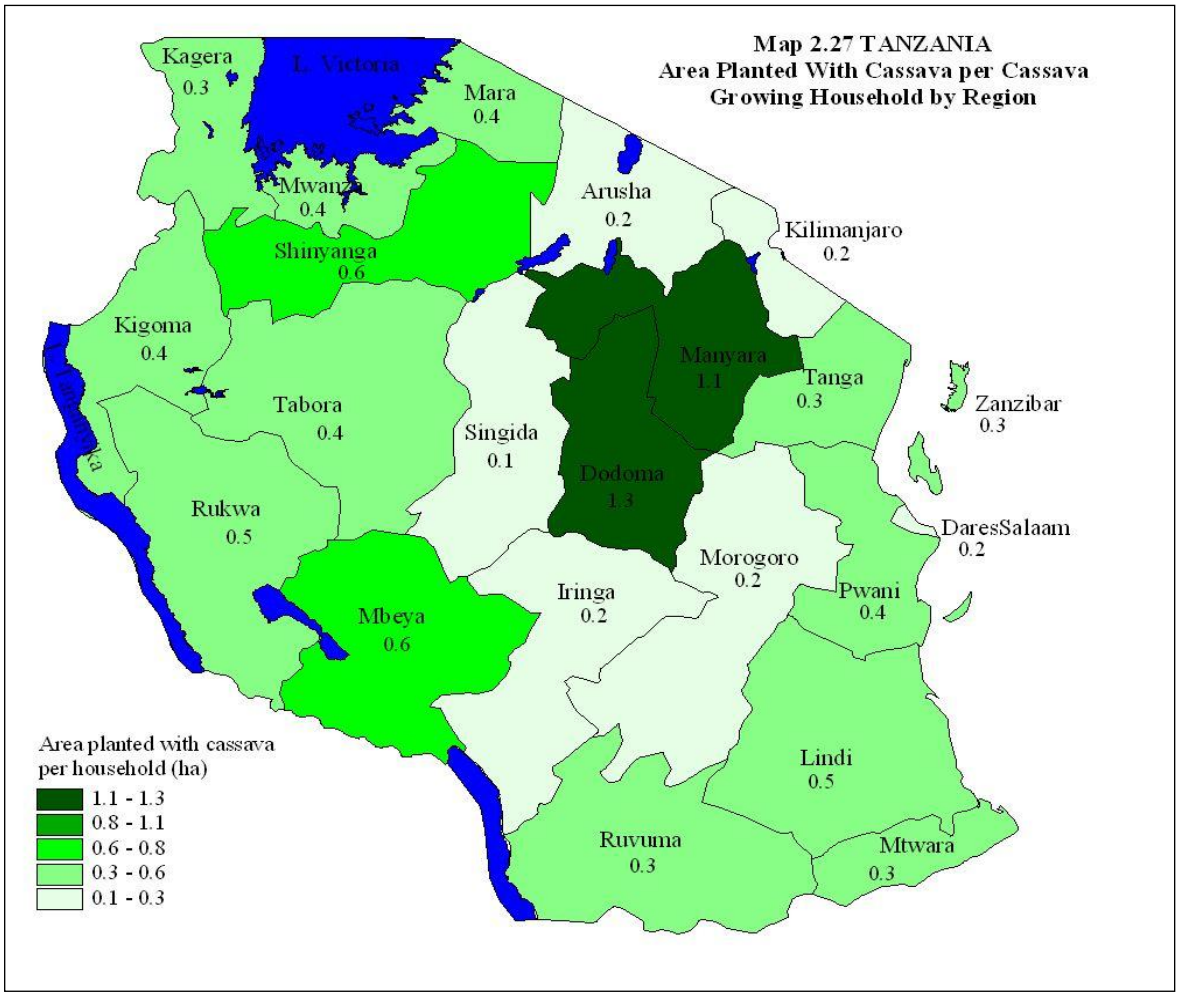
Chart 2.36 Sweet Potatoes Planted Area (Ha) per Household



However, in Dar es Salaam region, despite the limited land planted to sweet potatoes (3,392 ha, 1.6%), the land area planted with sweet potatoes per household (0.42 ha) was the highest in the country (Chart 2.36 and Map 2.23)

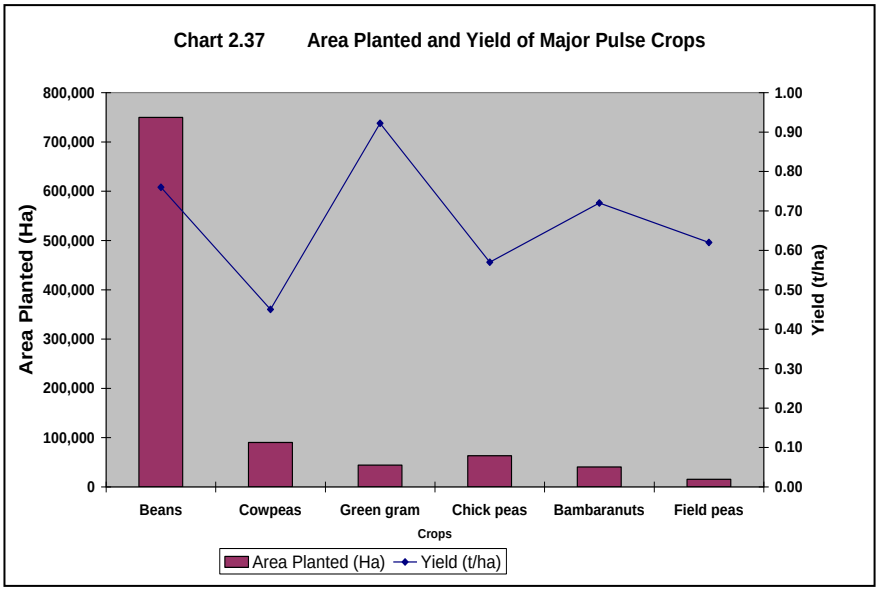

Map 2.25 TANZANIA
Cassava Planted Area by Region
Kagera
1,335
L. Victoria
Mara
879
Mwanza
1,178
Shinyanga
1,780
Arusha
20
Kilimanjaro
382
Kigoma
408
Tabora
367
Singida
18
Manyara
958
Tanga
221
Zanzibar
206
Dodoma
1,148
Rukwa
544
Morogoro
181
DaresSalaam
30
Pwani
480
Iringa
239
Mbeya
559
Lindi
134
Ruvuma
245
Mtwara
173
Area planted with cassava (ha)
1,400 - 1,800
1,100 - 1,400
700 - 1,100
400 - 700
0 - 400


Map 2.26 TANZANIA
Cassava Area Planted as a Percentage
of Total Land Area by Region
Kagera
0.2
L. Victoria
Mara
0.2
Mwanza
0.1
Shinyanga
0.1
Arusha
0.0
Kilimanjaro
0.2
Kigoma
0.2
Tabora
0.0
Singida
0.0
Manyara
0.2
Tanga
0.0
Zanzibar
0.2
Dodoma
0.1
Rukwa
0.1
Morogoro
0.0
DaresSalaam
0.1
Pwani
0.2
Iringa
0.0
Mbeya
0.1
Lindi
0.0
Ruvuma
0.0
Mtwara
0.0
Percent of land area with
cassava (%)
0.16 - 0.2
0.12 - 0.16
0.08 - 0.12
0.04 - 0.08
0 - 0.04

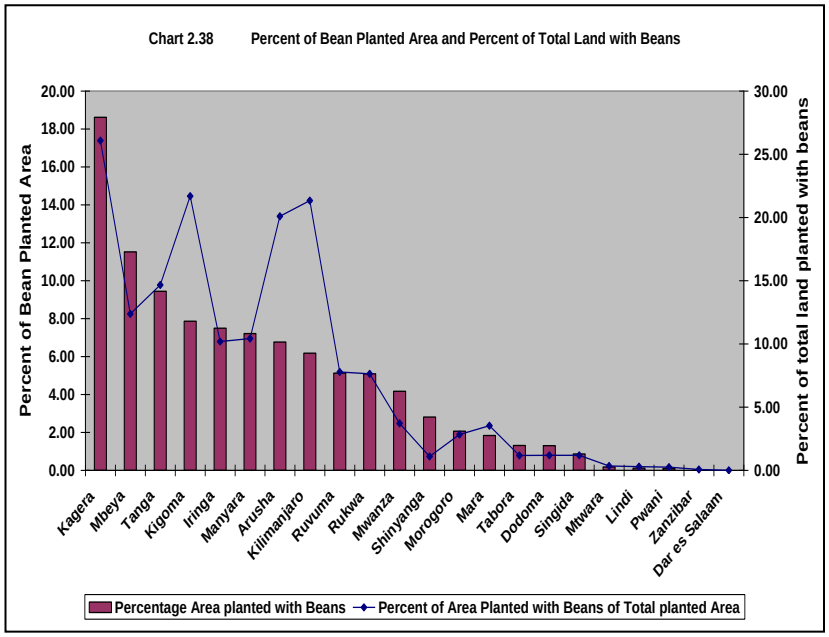


2.5.3 Pulses

In the Mainland, pulses comprising mainly beans together with cowpeas, green grams, chick peas, bambaranuts, field peas and mung beans (Chart 2.37) were produced. However, chick peas, field peas and mung beans were not planted at all in Zanzibar and bambaranuts were planted only during the long rain season.

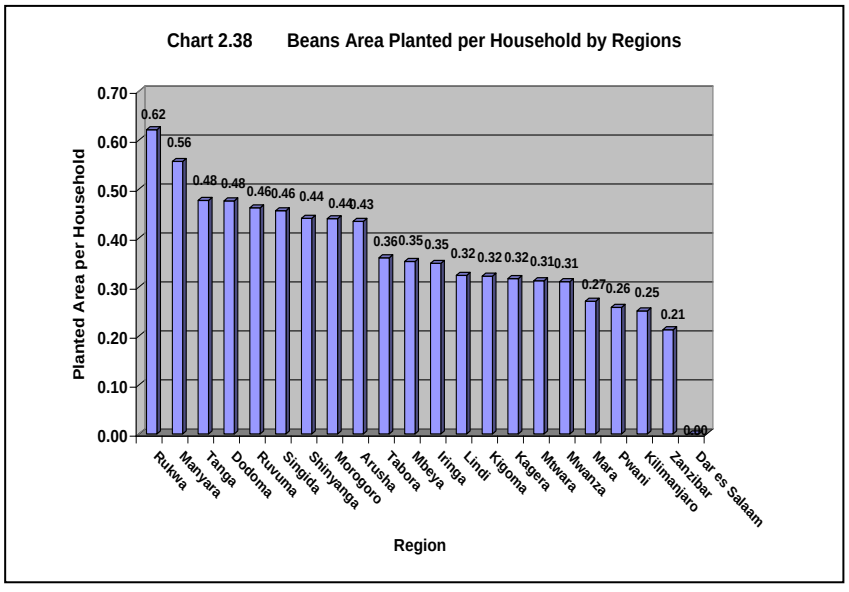


Most of the pulses were produced during the long rains, and to a limited extent, during the short rain season. The total area under pulses was estimated at 1,002,818 ha of which about 70.4% (706,389 ha) was planted during the long rain season. The distribution of households producing pulses followed a similar pattern with 1,753,218 households or 64% of the total 2,735,469 households producing pulses during the long rain season. The yield levels did not vary significantly between the short and long rain season but in almost all cases productivity of the different pulses was below a ton per ha.



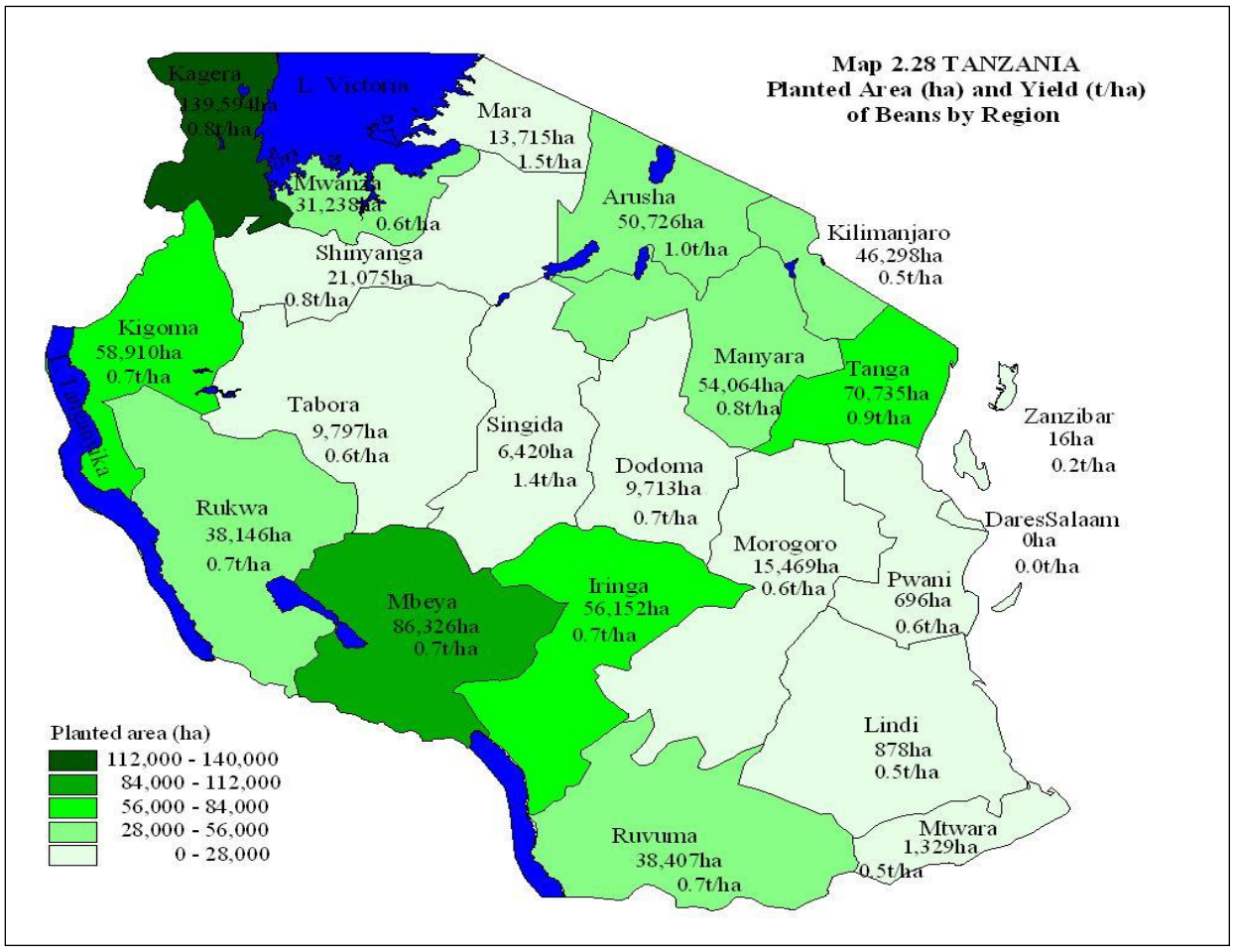
2.5.3.1 Beans

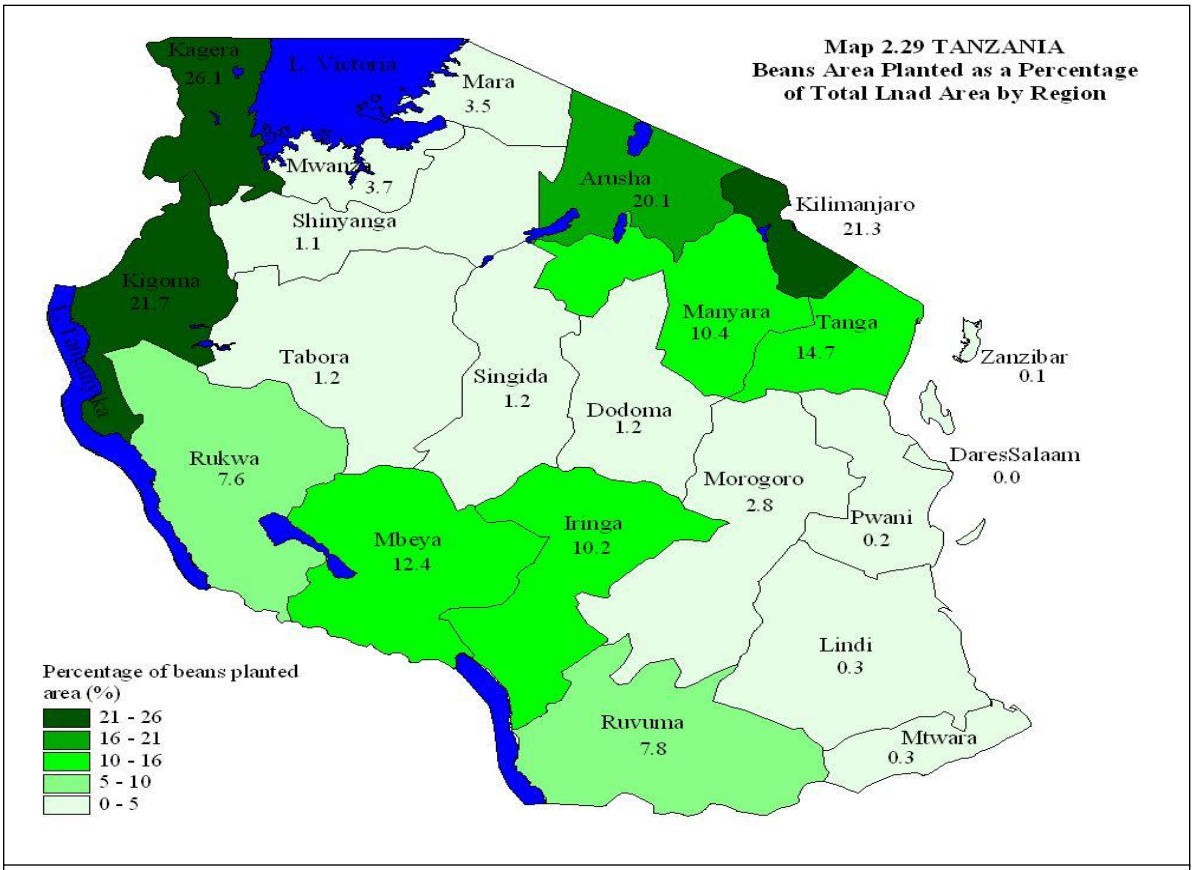
Among the pulses, dry beans were most dominant on the basis of planted area in the Mainland for both, the short and long rainy seasons followed by cowpeas and chick peas. In Zanzibar, on the other hand, cowpeas were the most commonly planted pulse in both seasons followed by green grams.

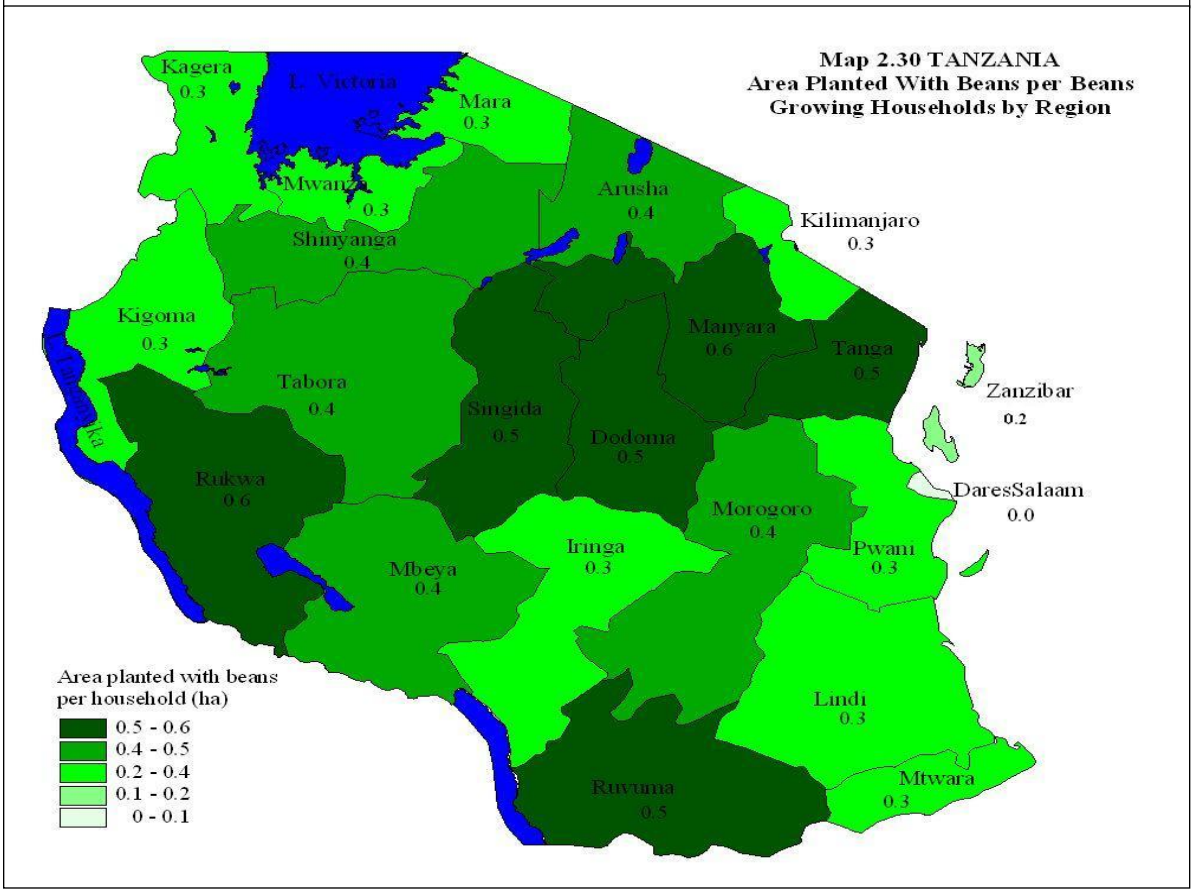


The top 10 producing regions remained the same as was the case in 2002/03 (Agriculture Census 2002/03 data). Within the top ten producing regions, in a descending order, were Kagera, which maintained first position by having the largest actual planted area (139,594 ha) which accounted for 18.6% of the actual planted area and about 26% of the total planted area in the country followed by Mbeya (86,326 ha, 11.5% of planted area), Tanga (70,735 ha, 9.4%) and Kigoma (58,910 ha, 7.9%). Others were Iringa (56,152 ha, 7.5%), Manyara (54,064 ha, 7.2%), Arusha (50,726 ha, 6.8%), Kilimanjaro (46,298 ha, 6.2%), together with Ruvuma and Rukwa regions, each of which accounted for 5.1% of the planted area (Chart 2.38 and Map 2.28).

However, the area planted with beans as a percent of total planted area was generally below 30% and in all the regions (Map 2.29), yield levels were generally low, being highest at 1.5 tons/ha in Mara, where beans were not a major crop, and lowest at 0.32 tons (averaged over the two seasons) in Zanzibar (Map 2.28). Generally, farmers planted beans on relatively small plots being highest in Rukwa at 0.6 ha/household and lowest at 0.2 ha/household in Zanzibar (Chart 2.28, 2.29 and Map 2.30).



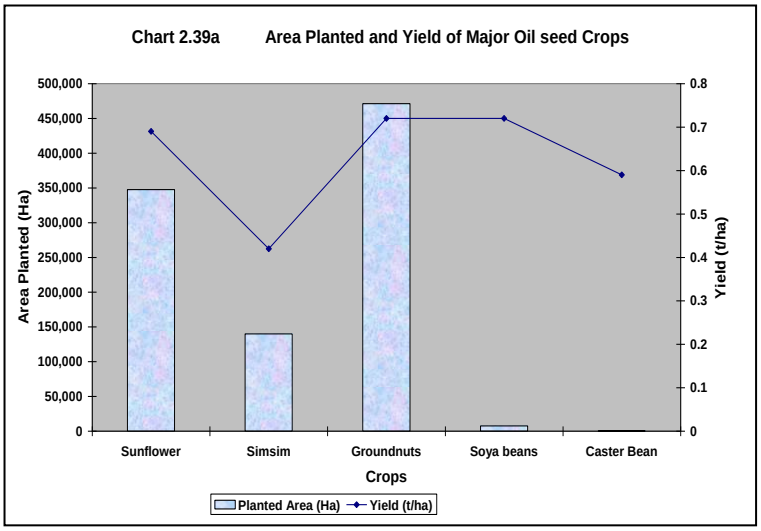




2.5.3 Oil seed Crops

The oil seed crops produced in Tanzania include sunflower, simsim (also known as sesame), groundnuts, soya beans and castor fung. The total area planted with oil seed crops has almost doubled from 534,710 ha 2002/03 to 966,583 ha 2007/08 Agriculture Sample Census.

Of the total area under oil seed crops, groundnuts occupied 471,296 ha (48.8%), sunflower 347,478 (35.9%), simsim 139,910 (14.5%), soya beans 7,522 (0.8%) and castor fung 377 (less than 0.1%) (Chart 2.39). In Zanzibar out of five oil seed crops grown in Tanzania, only groundnuts is grown and at a relatively small area 699 ha (0.2%)



The importance of sunflower and simsim has increased considerably since the 2002/03 Agriculture Sample Census. The area under sunflower 347,478 ha, (35.9% of total area under oil seeds) has increased three fold compared to the 2002/03 census (115,583 ha) and that of simsim 139,910 ha (14.5%) is twice as much as of the 2002/03 census. Soya bean and castor fung maintained the land area proportions that are similar to the 2002/03 situation (0.8%) for soya bean and (0.04%) for castor fung. However, the increased actual areas under soya bean (7,522 ha) compared to 1,819 ha for 2002/03, indicate that interest in this crop has increased over the years (Table 2.3).

The total oil seed crop production was 644,838 tons (644,153 tons on the Mainland and 685 tons in Zanzibar). The production of groundnut is higher than other oil seed crop with a total production of 341,459 tons (340,773 tons on the Mainland and 685 tons in Zanzibar) representing 53.0 percent of the total oil seed crop production, followed by sunflower 238,663 tons, (37%). Other oil seed crops are produced in minor quantities with simsim (59,103 tons, 9.2%), Soya beans (5,390 tons, 0.8%) and castor fung (224tons, 0.03%). Consistent with the increased land area planted, soya beans production increased to 5,390 tons compared to 634 tons in 2002/03.

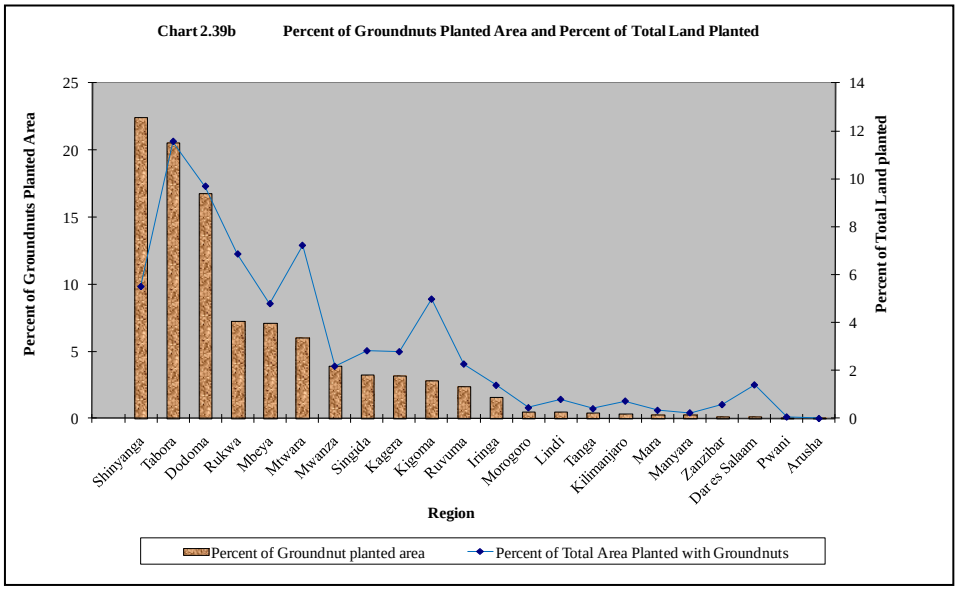
Yield levels for all oil seed crops except castor bean has increased since 2002/03. Soya beans was the most productive oil seed crop planted during the short rainy season (1.3 tons/ha). In the long

rain season, groundnut was the most productive (0.73 tons/ha), followed by sunflower (0.69 tons/ha) , soya beans (0.68 tons/ha) and castor fung (0.58 tons/ha). Simsim was the least productive at 0.43 tons/ha (Table 2.3).

The short rainy season is much less important than the long rainy season for oil seeds production. The total area planted with oil seed crops in the short rainy season was 60,676 hectares which represents 6.3 percent of the total area (Mainland and Zanzibar) planted with oil seeds.

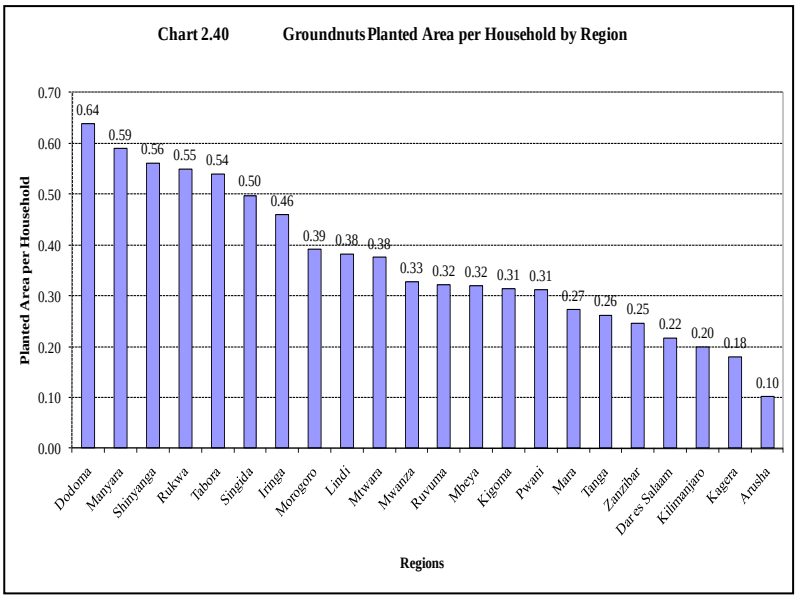
2.5.3.1 Groundnut

The number of households growing groundnuts in Tanzania during the long rainy season was 870,084 (868,444 on the Mainland and 1,640 in Zanzibar) and 169,898 households in the short rainy season (168,705 households on the Mainland and 1,194 in Zanzibar). This represents 19.1 percent of the total crop growing households in Tanzania in the long rainy season and 8.9 percent in the short rainy season. Shinyanga, Tabora and Dodoma, were the major groundnut production regions (Chart 2.39 and Map 2.31).



The area under groundnuts in the three regions were 281,867 ha (59.9%) of the total area planted with groundnuts on the Mainland, accounted for the production of 208,929 tons (61.3%) of the total quantity harvested

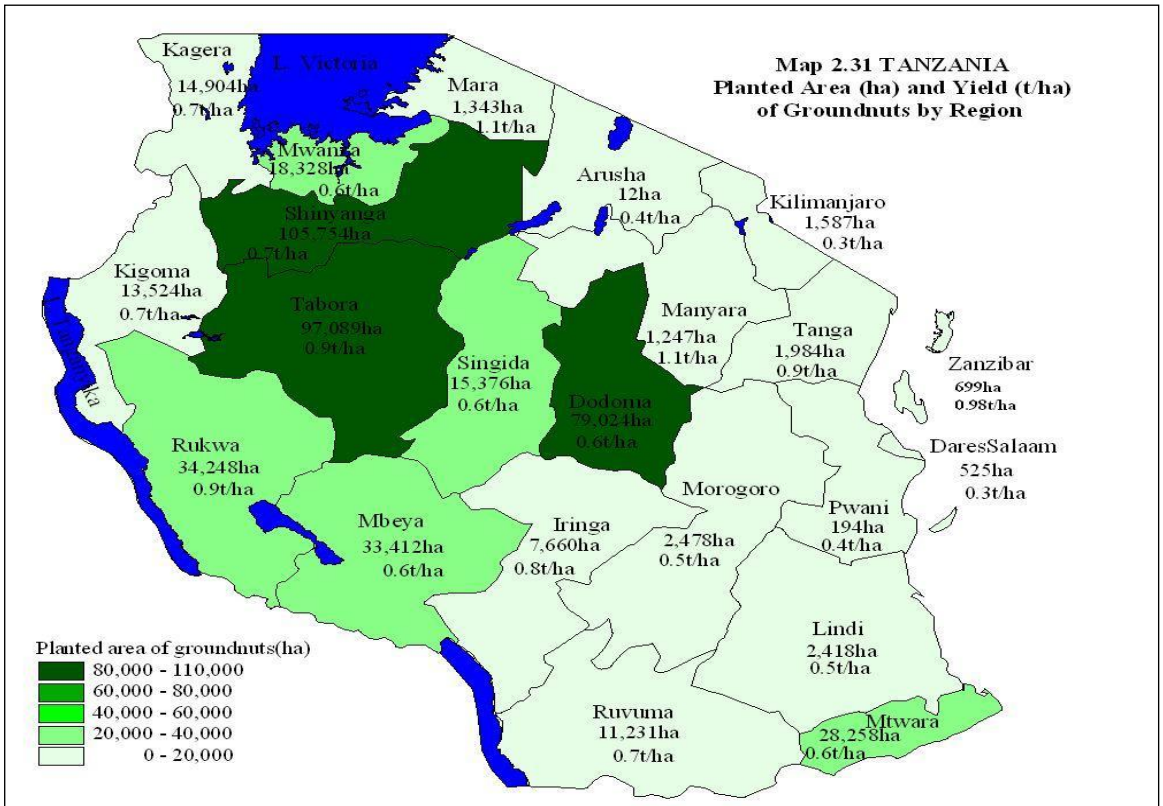
In the overall (Map 3.32), Shinyanga region had the highest percent of area planted with groundnuts (22.4% of total area planted with groundnuts), followed by Tabora (20.6%) and Dodoma (16.8%). However, the highest proportion of land with groundnuts (Chart 2.39) was found in Tabora (11.5% of the total planted area) followed by Dodoma (9.7%), Mtwara (7.2) and Rukwa (6.9%) with Tabora having replaced Dodoma in the top position occupied in 2002/03 (Agriculture Census data). The lowest proportion of land planted with groundnuts was in Arusha region (0.004%) which was insignificant.

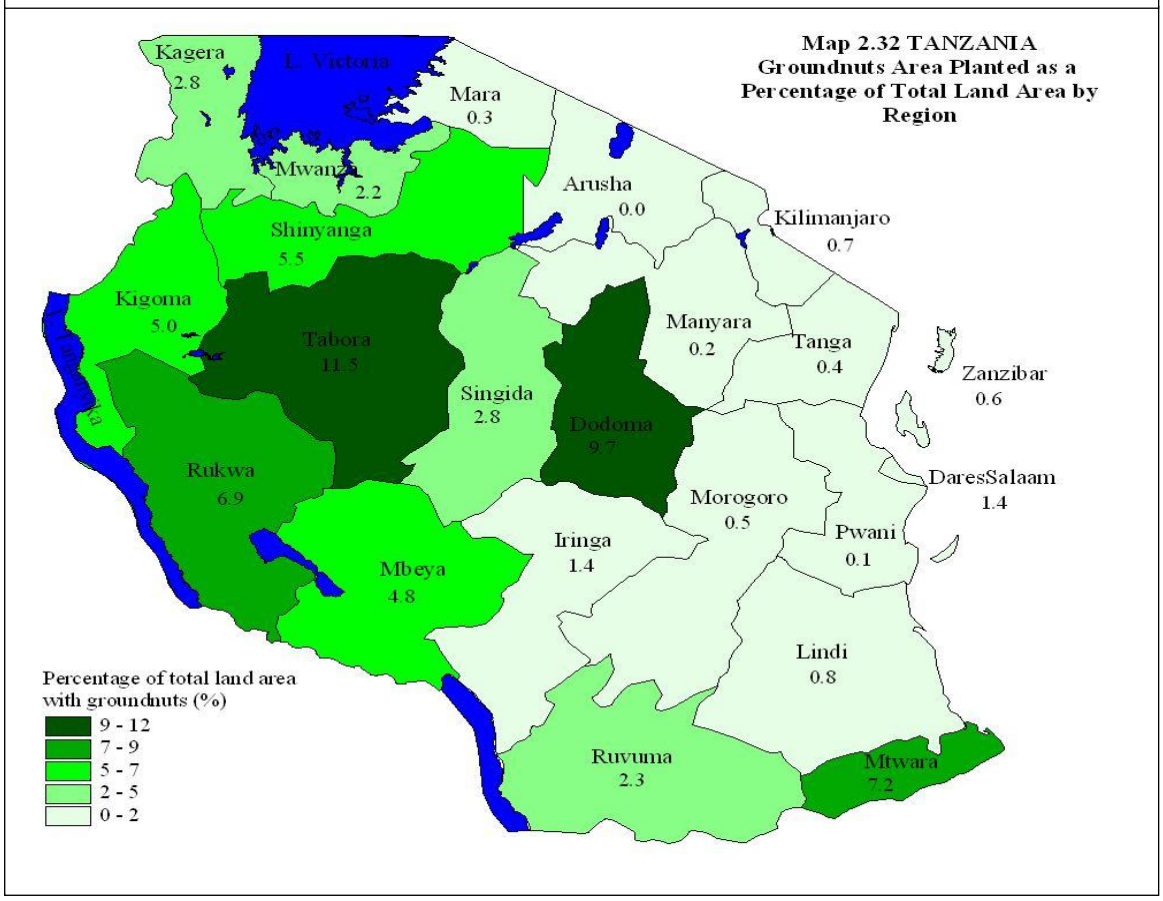


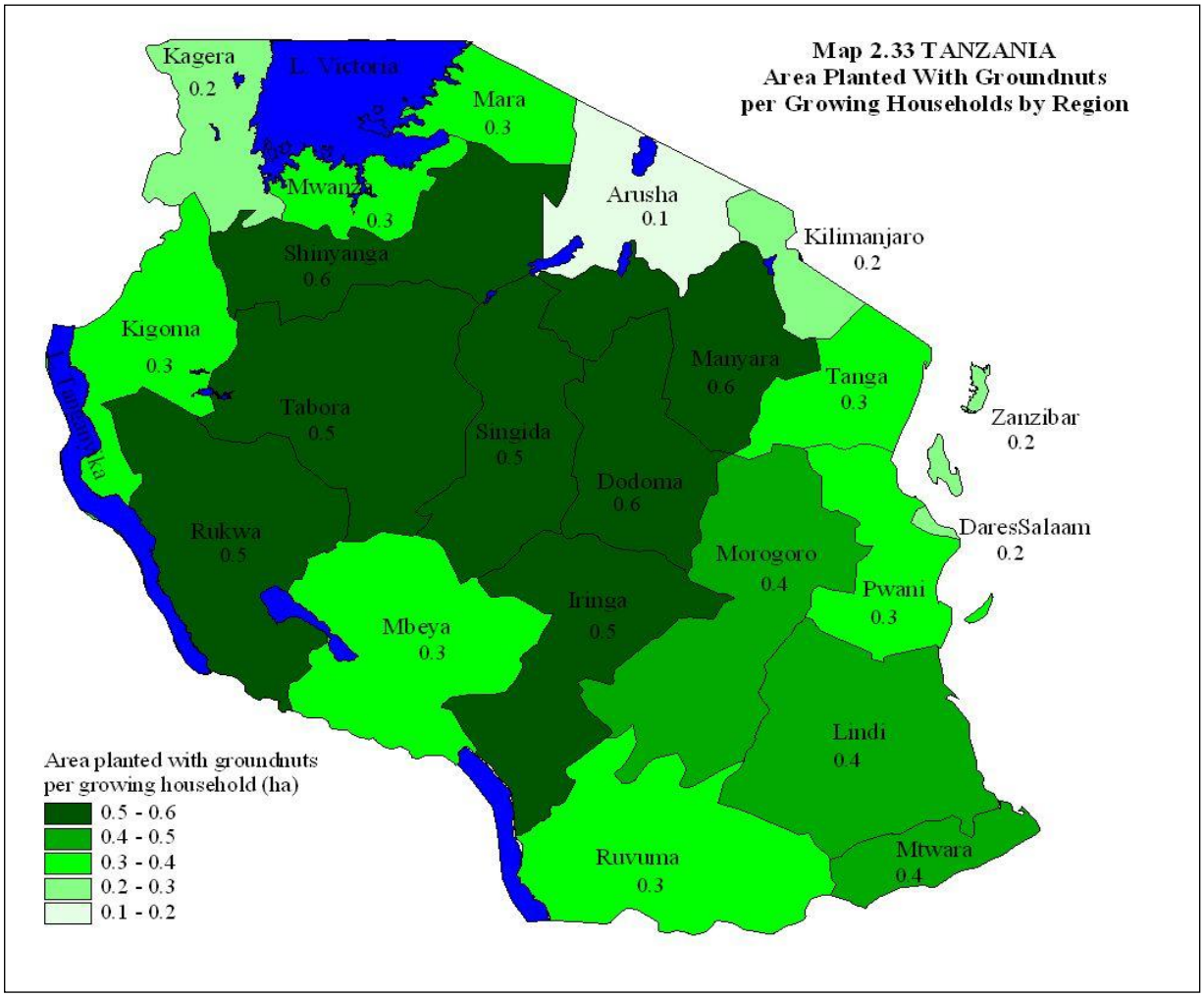
However, Dodoma region (Chart 2.40 and Map 2.33) had the largest planted area per household (0.64 ha) followed by Manyara (0.59 ha), Shinyanga (0.56 ha), Rukwa (0.55 ha), Tabora (0.54 ha) and Singida (0.50 ha).

Table 2.3 Area Planted and Quantity Harvested by Season and Oil Seed Crop types

Crop	Season	Main				Zanzibar				Total			
		Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Sunflower	Short Rains	15,827	6,913	3,076	0.45	0	0	0	0.00	15,827	6,913	3,076	0.45
	Long Rains	482,501	340,565	235,586	0.69	0	0	0	0.00	482,501	340,565	235,586	0.69
Simsim	Short Rains	15,821	7,025	2,620	0.37	0	0	0	0.00	15,821	7,025	2,620	0.37
	Long Rains	216,539	132,885	56,483	0.43	0	0	0	0.00	216,539	132,885	56,483	0.43
Groundnuts	Short Rains	168,705	45,995	29,551	0.64	1,194	265	180	0.68	169,898	46,260	29,731	0.64
	Long Rains	868,444	424,602	311,222	0.73	1,640	434	506	1.16	870,084	425,036	311,728	0.73
Soya Beans	Short Rains	1,576	427	562	1.32	0	0	0	0.00	1,576	427	562	1.32
	Long Rains	15,833	7,095	4,828	0.68	0	0	0	0.00	15,833	7,095	4,828	0.68
Castro fung	Short Rains	371	51	35	0.69	0	0	0	0.00	371	51	35	0.69
	Long Rains	614	326	189	0.58	0	0	0	0.00	614	326	189	0.58
Total	Short Rains	202,300	60,411	35,845	0.59	1,194	265	180	0.68	203,493	60,676	36,024	0.59
	Long Rains	1,583,931	905,473	608,308	0.67	1,640	434	506	1.16	1,585,571	905,907	608,814	0.67
Grand Total	Overall	1,786,231	965,884	644,153	0.67	2,833	699	685	0.98	1,789,065	966,583	644,838	0.67

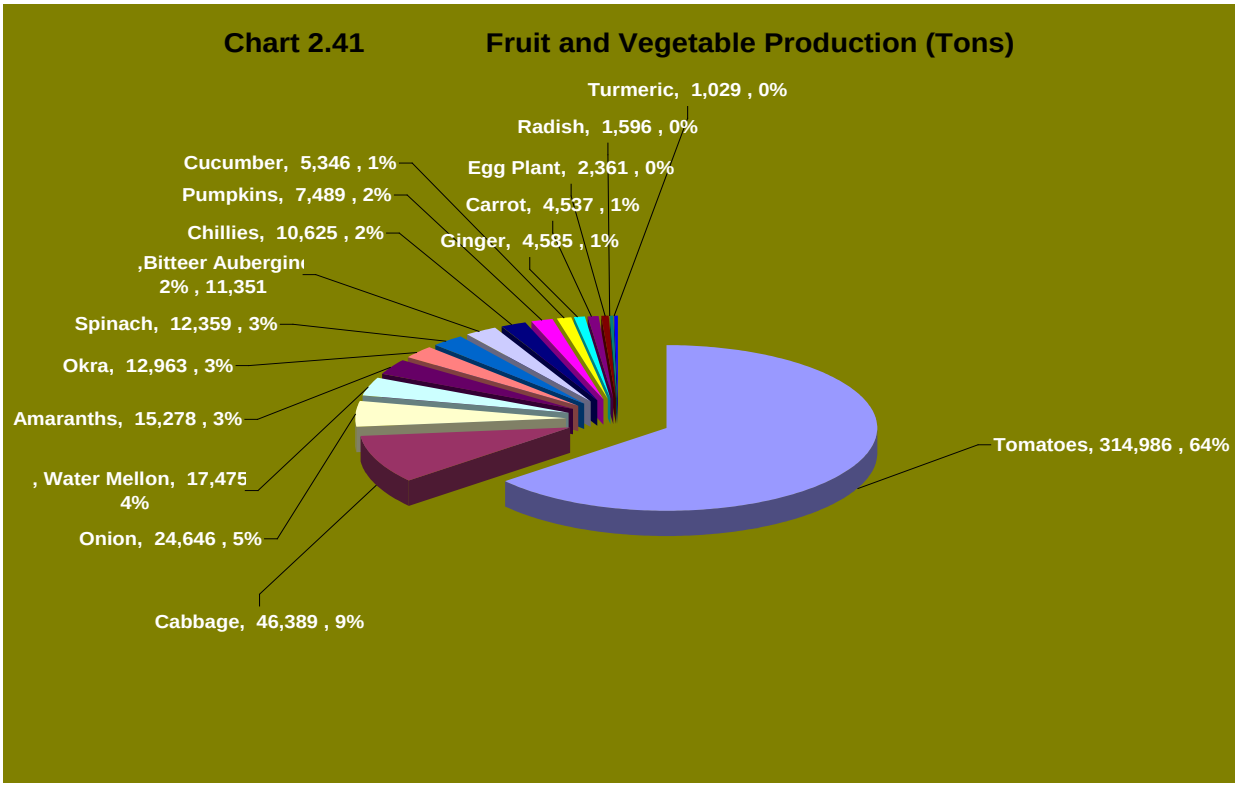

Map 2.31 TANZANIA
Planted Area (ha) and Yield (t/ha)
of Groundnuts by Region
Kagera
14,904ha
0.7t/ha
L. Victoria
Mara
1,343ha
1.1t/ha
Mwanza
18,328ha
0.6t/ha
Shinyanga
105,754ha
0.7t/ha
Arusha
12ha
0.4t/ha
Kilimanjaro
1,587ha
0.3t/ha
Kigoma
13,524ha
0.7t/ha
Tabora
97,089ha
0.9t/ha
Manyara
1,247ha
1.1t/ha
Tanga
1,984ha
0.9t/ha
Zanzibar
699ha
0.98t/ha
Singida
15,376ha
0.6t/ha
Dodoma
79,024ha
0.6t/ha
Rukwa
34,248ha
0.9t/ha
DaresSalaam
525ha
0.3t/ha
Morogoro
Pwani
194ha
0.4t/ha
Mbeya
33,412ha
0.6t/ha
Iringa
7,660ha
0.8t/ha
2,478ha
0.5t/ha
Lindi
2,418ha
0.5t/ha
Ruvuma
11,231ha
0.7t/ha
Mtwara
28,258ha
0.6t/ha
Planted area of groundnuts(ha)
80,000 - 110,000
60,000 - 80,000
40,000 - 60,000
20,000 - 40,000
0 - 20,000


Map 2.32 TANZANIA
Groundnuts Area Planted as a
Percentage of Total Land Area by
Region
Kagera
2.8
L. Victoria
Mara
0.3
Mwanza
2.2
Arusha
0.0
Kilimanjaro
0.7
Shinyanga
5.5
Kigoma
5.0
Tabora
11.5
Manyara
0.2
Tanga
0.4
Zanzibar
0.6
Singida
2.8
Dodoma
9.7
Rukwa
6.9
DaresSalaam
1.4
Morogoro
0.5
Iringa
1.4
Pwani
0.1
Mbeya
4.8
Lindi
0.8
Ruvuma
2.3
Mtwara
7.2
Percentage of total land area
with groundnuts (%)
9 - 12
7 - 9
5 - 7
2 - 5
0 - 2

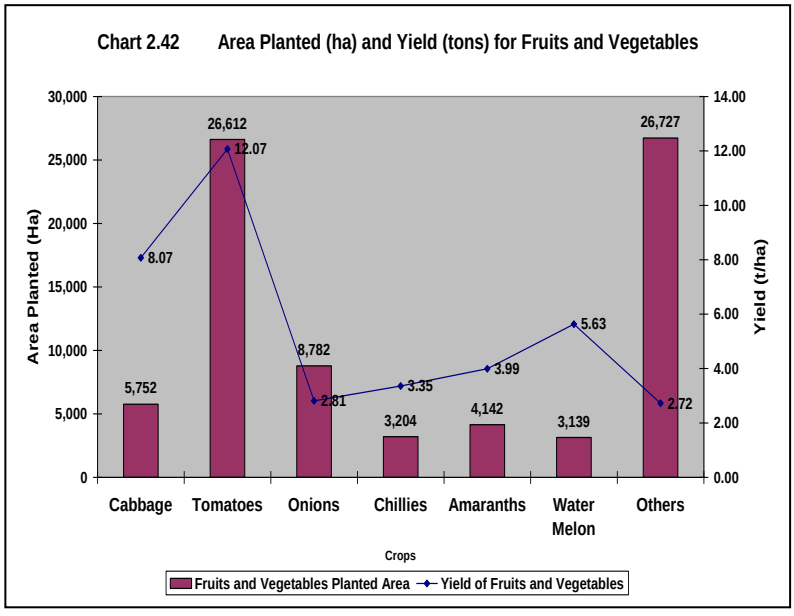

Map 2.33 TANZANIA
Area Planted With Groundnuts
per Growing Households by Region
Kagera
0.2
L. Victoria
Mara
0.3
Mwanza
0.3
Arusha
0.1
Kilimanjaro
0.2
Shinyanga
0.6
Kigoma
0.3
Manyara
0.6
Tanga
0.3
Zanzibar
0.2
Tabora
0.5
Singida
0.5
Dodoma
0.6
DaresSalaam
0.2
Rukwa
0.5
Morogoro
0.4
Pwani
0.3
Iringa
0.5
Mbeya
0.3
Lindi
0.4
Ruvuma
0.3
Mtwara
0.4
Area planted with groundnuts
per growing household (ha)
0.5 - 0.6
0.4 - 0.5
0.3 - 0.4
0.2 - 0.3
0.1 - 0.2

2.5.4 Fruits and Vegetables

There is a wide range of fruit and vegetable crops produced in the country (Table 2.4 and Chart 2.41) but most of the fruits were produced from permanent tree crops, hence the only fruit crop included in this census data was water melon. The greatest bulk of the fruits and vegetables were



produced in the Mainland and tomato was the single most dominant vegetable crop (Charts 2.41 and 2.42). The combined area planted with tomatoes in the Mainland and Zanzibar was 26,612 ha. In the Mainland the largest area, 17,228 ha (64.7%), was planted in the long rain season and 8,163 ha (30.8%) in the short rain season Table 2.4). Tomatoes contributed the highest



percent of harvested quantity (321,128 tons 63%) to the total harvested quantity of fruits and vegetables. (Chart 2.41 and 2.42).

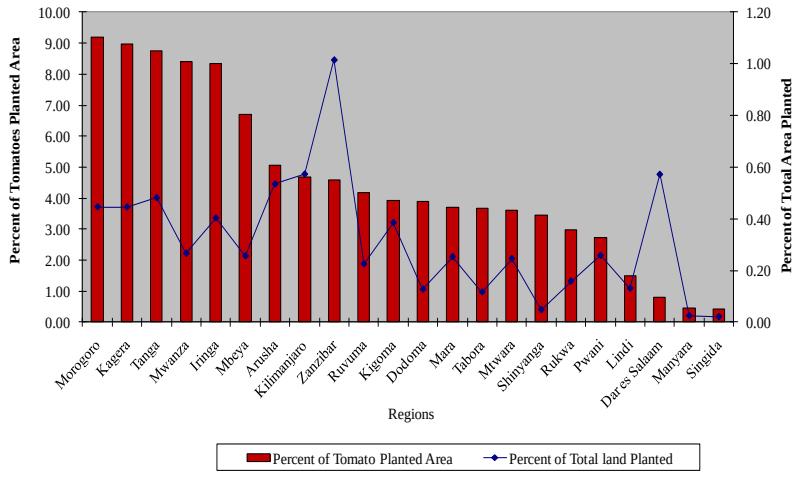
Most of the fruits and vegetables were planted in the long rain season, except water melon for which both the area planted (1,865 ha) and the quantities harvested (10,585.4 tons) for the short rain season were higher than for the long rain season (Table 2.4). In Zanzibar, both the number of households engaged in fruit and vegetable production and the area with these crops was limited but generally tomato was the leading crop in which the highest number of households (7,317) were involved and the total harvest for the combined season was (6,141 tons) which is higher than any other vegetable.

2.5.4.1 Tomato

The number of households growing tomatoes in Tanzania during the long rainy season was 85,715(81838 on the Mainland and 3877 in Zanzibar) and 49,972 households in the short rain season (46,532 on the Mainland and 3440 in Zanzibar). This represents 1.5 percent of the total crop growing households in Tanzania in the long rainy season and 0.9 percent in the short rainy season which is 0.5% and 0.1% decrease, respectively, compared to 2002/03 (Agriculture Sample Census). Most of tomatoes were produced on the Mainland where 128,370 households representing 94.6% of the tomato growers engaged in tomato production, while the remaining 5.4% (7,317 households) produced tomatoes in Zanzibar.

The five leading regions with the largest planted area of tomatoes (Chart 2.43 and Maps 2.34 and 2.35) were Morogoro (2,442 ha, 9.2% of tomato planted area), followed by Kagera (2386 ha, 9%) Tanga (2,326 ha, 8.7%), Mwanza (2,235 ha, 8.4%) and Iringa (2,223 ha, 8.4%).

Chart 2.43 Percent of Tomatoes Planted Area and Percent of Total Land Planted

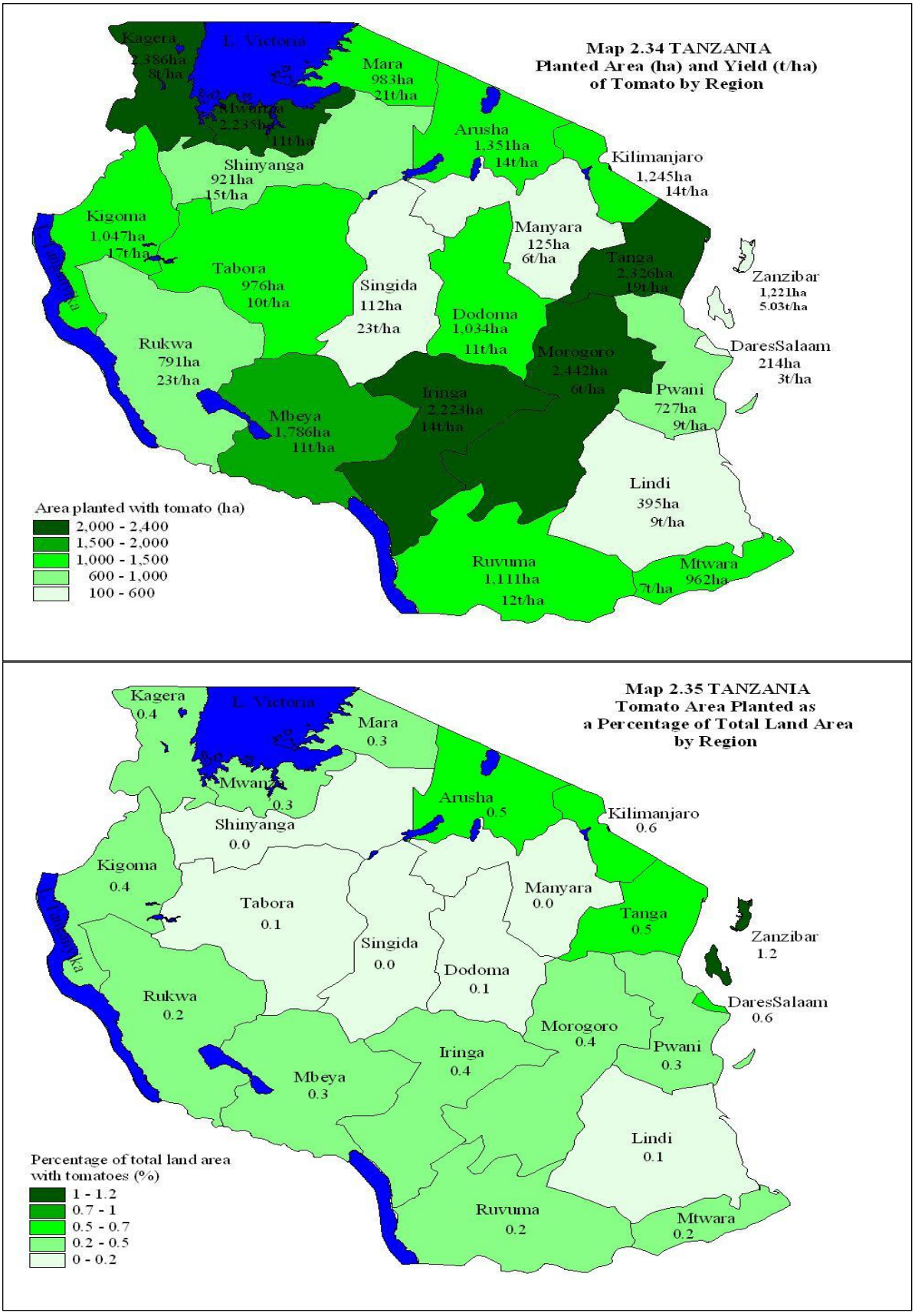


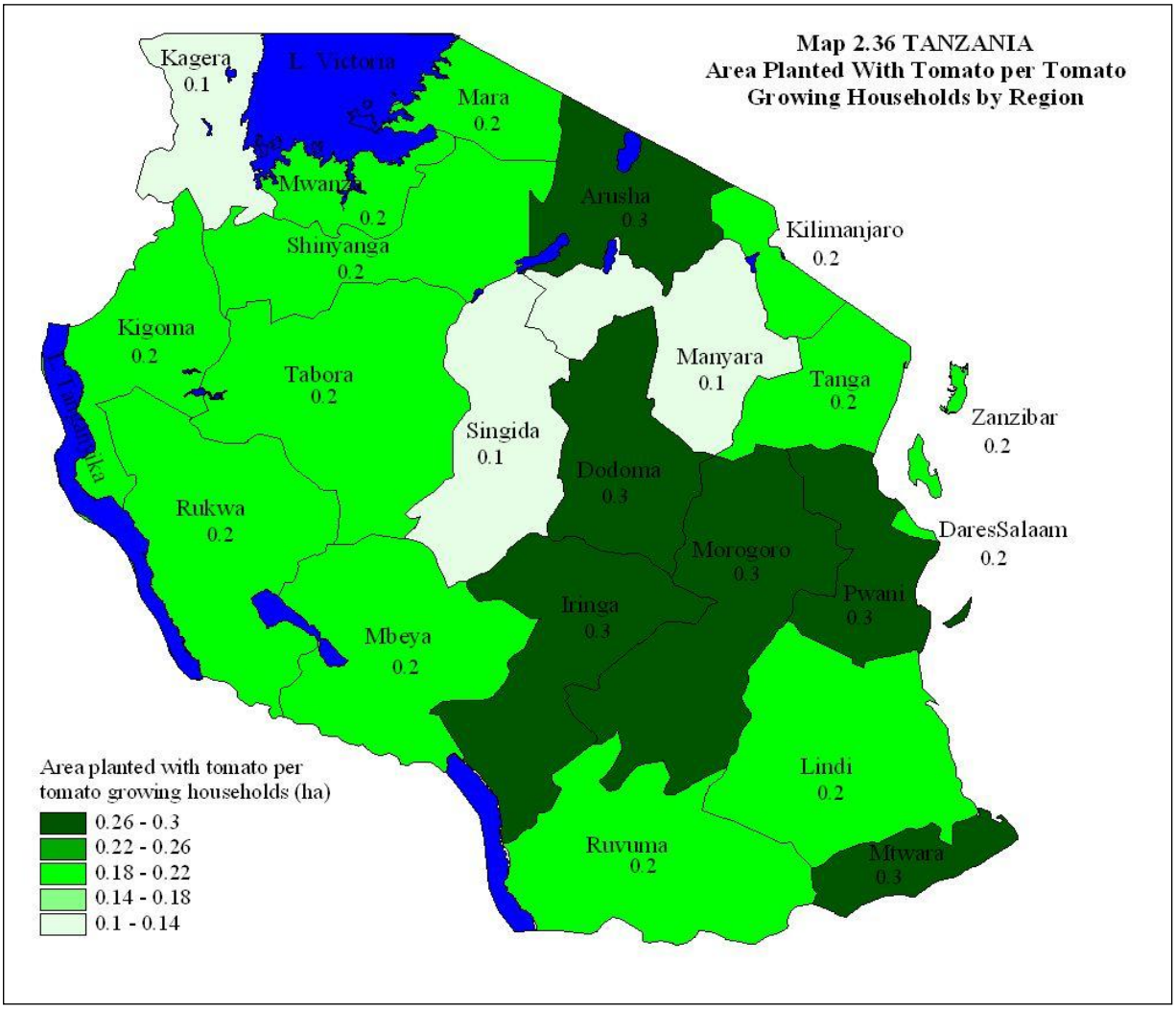
Most other regions had lower percentage of land used for tomato production, with Singida and Manyara regions having the least area planted with tomatoes 112 ha 0.4% and 125 ha, 0.5%, respectively.

The proportion of land with tomatoes was high in Zanzibar (1.0% of the total planted area) followed by Kilimanjaro and Dar es Salaam (0.6%) and Tanga (0.5%). The lowest proportion was found in Manyara and Singida (0.02%) (Chart 2.43 and Map 2.35). Tomato growers generally maintained small holdings averaging less than 0.25 ha per household, in most cases (Map 2.36)

Table 2.4 Fruit and Vegetable Production (Tons)

		Mainland				Zanzibar				Total			
Crop	**Season**	**Number of Household**	**Actual Planted Area (ha)**	**Quantity Harvested (tons)**	**Yield (tons/ha)**	**Number of Household**	**Actual Planted Area (ha)**	**Quantity Harvested (tons)**	**Yield (tons/ha)**	**Number of Household**	**Actual Planted Area (ha)**	**Quantity Harvested (tons)**	**Yield (tons/ha)**
Cabbage	Short Rains	16,199	2,370	11,900.56	5.02	92	12	21.88	1.76	16,291	2,383	11,922.44	5.00
	Long Rains	24,310	3,368	34,488.75	10.24	16	2	.49	0.30	24,326	3,369	34,489.24	10.24
Tomatoes	Short Rains	46,532	8,163	108,346	13.27	3,440	612	2,798	4.58	49,972	8,775	111,145	12.67
	Long Rains	81,838	17,228	206,640	11.99	3,877	609	3,343	5.49	85,715	17,837	209,983	11.77
Onions	Short Rains	9,973	2,258	6,257.44	2.77	63	6	9.73	1.53	10,035	2,265	6,267.18	2.77
	Long Rains	25,273	6,517	18,388.15	2.82	0	0	0	0.00	25,273	6,517	18,388.15	2.82
Chillies	Short Rains	10,035	1,434	3,637.66	2.54	531	48	62.31	1.31	10,566	1,482	3,699.96	2.50
	Long Rains	9,038	1,672	6,986.96	4.18	455	50	62.65	1.25	9,494	1,722	7,049.60	4.09
Amaranths	Short Rains	15,895	1,729	7,782.82	4.50	1,713	177	723.41	4.09	17,608	1,906	8,506.23	4.46
	Long Rains	16,949	2,143	7,495.19	3.50	814	94	535.06	5.71	17,763	2,236	8,030.25	3.59
water Mellon	Short Rains	4,020	1,826	10,470.92	5.73	144	39	114.48	2.91	4,164	1,865	10,585.40	5.67
	Long Rains	3,123	1,254	7,003.92	5.59	117	20	89.20	4.49	3,240	1,274	7,093.12	5.57
Others	Short Rains	45,929	7,933	21,832	2.75	7,148	1,081	5,729	5.30	53,077	9,014	27,561	3.06
	Long Rains	73,532	16,540	40,005	2.42	6,771	1,173	5,149	4.39	80,303	17,713	45,154	3.06
Total	Short Rains	148,582	25,714	170,227	2.42	13,132	1,975	9,460	4.39	161,714	27,690	179,687	3.06
	Long Rains	234,063	48,721	321,008	2.42	12,050	1,947	9,179	4.39	246,113	50,669	330,187	3.06
Grand Total	**Overall**	**382,645**	**74,435**	**491,236**	**2.42**	**25,182**	**3,923**	**18,639**	**4.39**	**407,827**	**78,358**	**509,874**	**3.06**

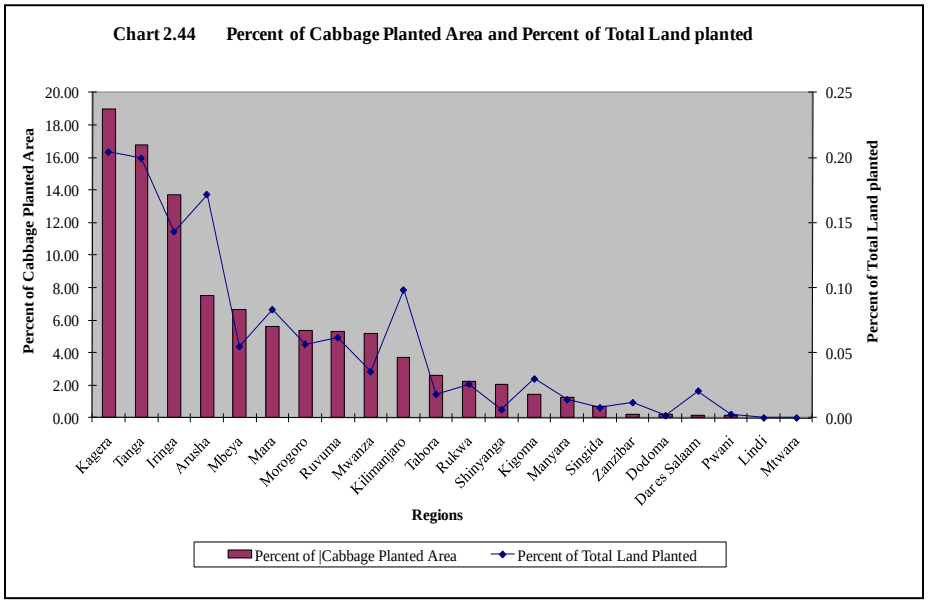

Map 2.34 TANZANIA
Planted Area (ha) and Yield (t/ha)
of Tomato by Region
L. Victoria
Kagera
2,386ha
8t/ha
Mara
983ha
21t/ha
Mwanza
2,235ha
11t/ha
Shinyanga
921ha
15t/ha
Arusha
1,351ha
14t/ha
Kilimanjaro
1,245ha
14t/ha
Kigoma
1,047ha
17t/ha
Tabora
976ha
10t/ha
Singida
112ha
23t/ha
Manyara
125ha
6t/ha
Tanga
2,326ha
19t/ha
Zanzibar
1,221ha
5.03t/ha
Dodoma
1,034ha
11t/ha
Rukwa
791ha
23t/ha
Morogoro
2,442ha
6t/ha
DaresSalaam
214ha
3t/ha
Iringa
2,223ha
14t/ha
Pwani
727ha
9t/ha
Mbeya
1,786ha
11t/ha
Lindi
395ha
9t/ha
Ruvuma
1,111ha
12t/ha
Mtwara
962ha
7t/ha
Area planted with tomato (ha)
2,000 - 2,400
1,500 - 2,000
1,000 - 1,500
600 - 1,000
100 - 600
Map 2.35 TANZANIA
Tomato Area Planted as
a Percentage of Total Land Area
by Region
L. Victoria
Kagera
0.4
Mara
0.3
Mwanza
0.3
Shinyanga
0.0
Arusha
0.5
Kilimanjaro
0.6
Kigoma
0.4
Tabora
0.1
Singida
0.0
Manyara
0.0
Tanga
0.5
Zanzibar
1.2
Dodoma
0.1
Rukwa
0.2
DaresSalaam
0.6
Morogoro
0.4
Pwani
0.3
Iringa
0.4
Mbeya
0.3
Lindi
0.1
Ruvuma
0.2
Mtwara
0.2
Percentage of total land area
with tomatoes (%)
1 - 1.2
0.7 - 1
0.5 - 0.7
0.2 - 0.5
0 - 0.2



2.5.4.2 Cabbage

Cabbage was planted to a limited extent in Zanzibar but predominantly in the Mainland for all regions except Lindi and Mtwara regions. However, compared to tomatoes, cabbage was relatively less popular. The number of households growing cabbage during the long rain season was 24,326 (24,310 on the Mainland and 16 in Zanzibar) and 16,291 in the short rain season (16,199 on the Minland and 92 in Zanzibar) of which only 0.1% long rain season and 0.6% short rain season were in Zanzibar (Table 2.7). Cabbage production was dominant in three regions (Chart 2.44 and Map 2.38) of which Kagera had the largest planted area (1,094 ha, 19%), followed by Tanga (964 ha, 16.8%) and Iringa (790 ha, 13.7%).

Other regions with relatively smaller planted areas within the range of 1% to 7.5% included Arusha, Mbeya, Mara, Morogoro, Ruvuma, Mwanza, Kilimanjaro, Tabora, Rukwa, Shinyanga, Kigoma and Manyara regions. On the other hand, Dodoma, Pwani, Dar es Salaam, and Zanzibar each having very small land areas (less than 15 ha) used for cabbage production (Chart 2.44 and Map 2.38).



Generally, households maintained small planted areas, often less than a quarter hectare (Map 2.39), and the highest at 0.25 ha/household was in Singida region.

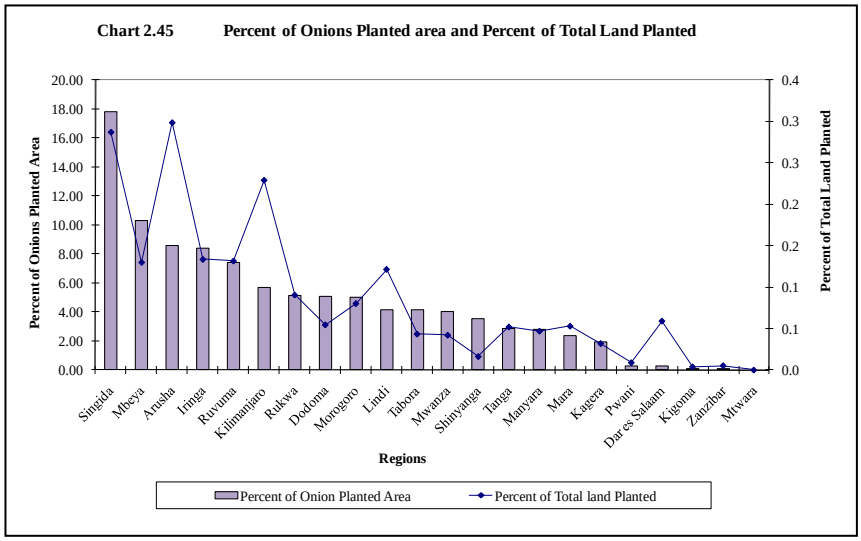
2.5.4.3 Onion

Onion was produced both in Zanzibar and in the Mainland in all regions except Mtwara. Generally, the planted area under this crop has increased considerably compared to the 2002/03 Agriculture Sample Census. A total of 8,781 ha were planted with onions, representing a small proportion (0.076%) of the total planted area (11,554,684 ha), predominantly in the Mainland (8,775 ha, 99.9% of the total planted area in the country) with Zanzibar having only 6 ha planted with the crop. Onions were grown predominantly during the long rains in the Mainland but only during the short rains in Zanzibar (Table 2.7). A total of 35,309 households (short and long rains combined) planted onions of which 63 were in Zanzibar (0.2% of total growing households).

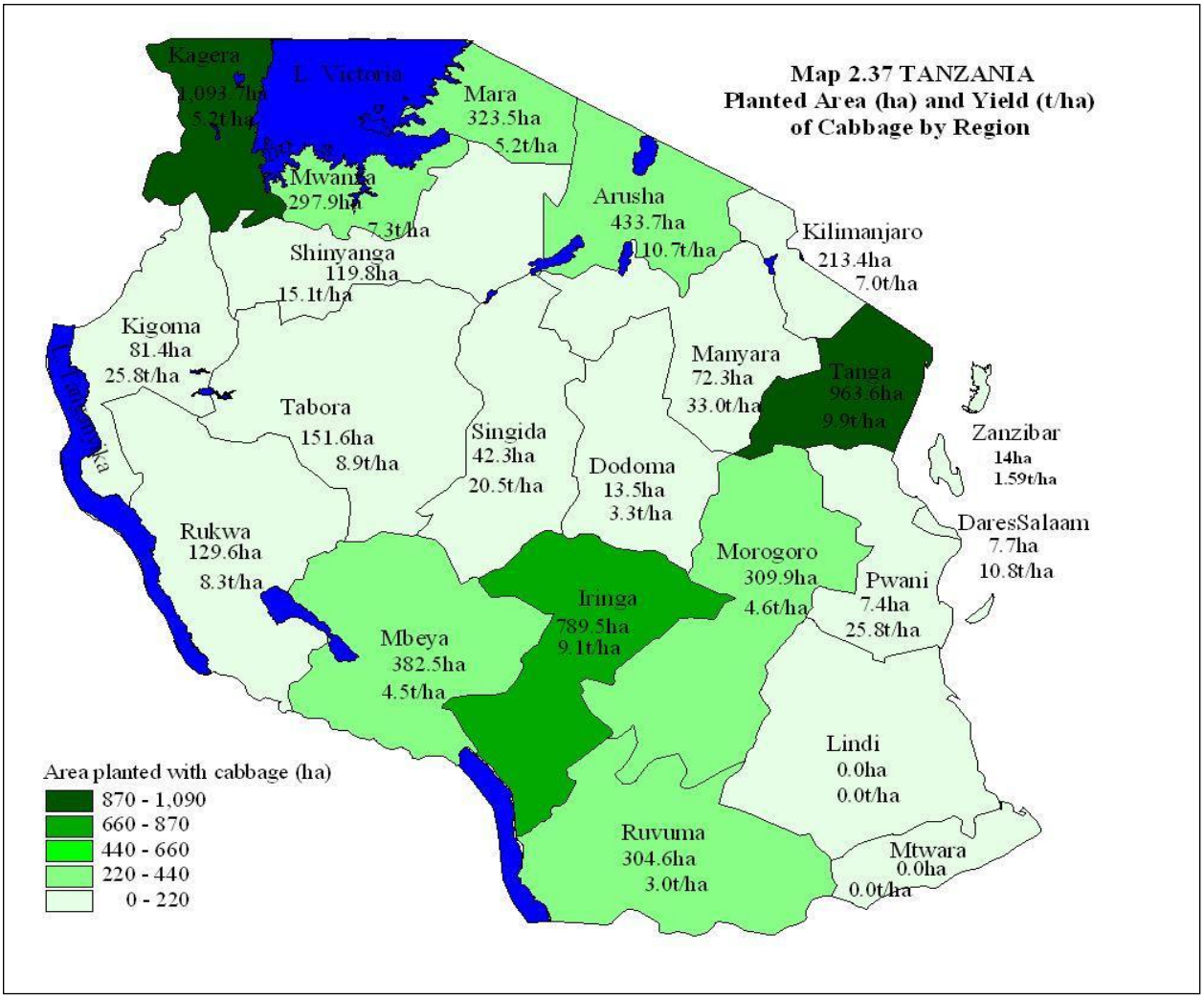
The planted areas and percent of total land planted was generally low in all the regions with a maximum of 0. 3%. (Chart 2.45 and Maps 2.40 and 2.41). The major onion growing area was Singida region which accounted for 17.8% of the onion planted area (1,564 ha,) followed by Mbeya (10.3%, 907 ha,). This was a shift from the trend in 2002/03, as the Agriculture Sample Census

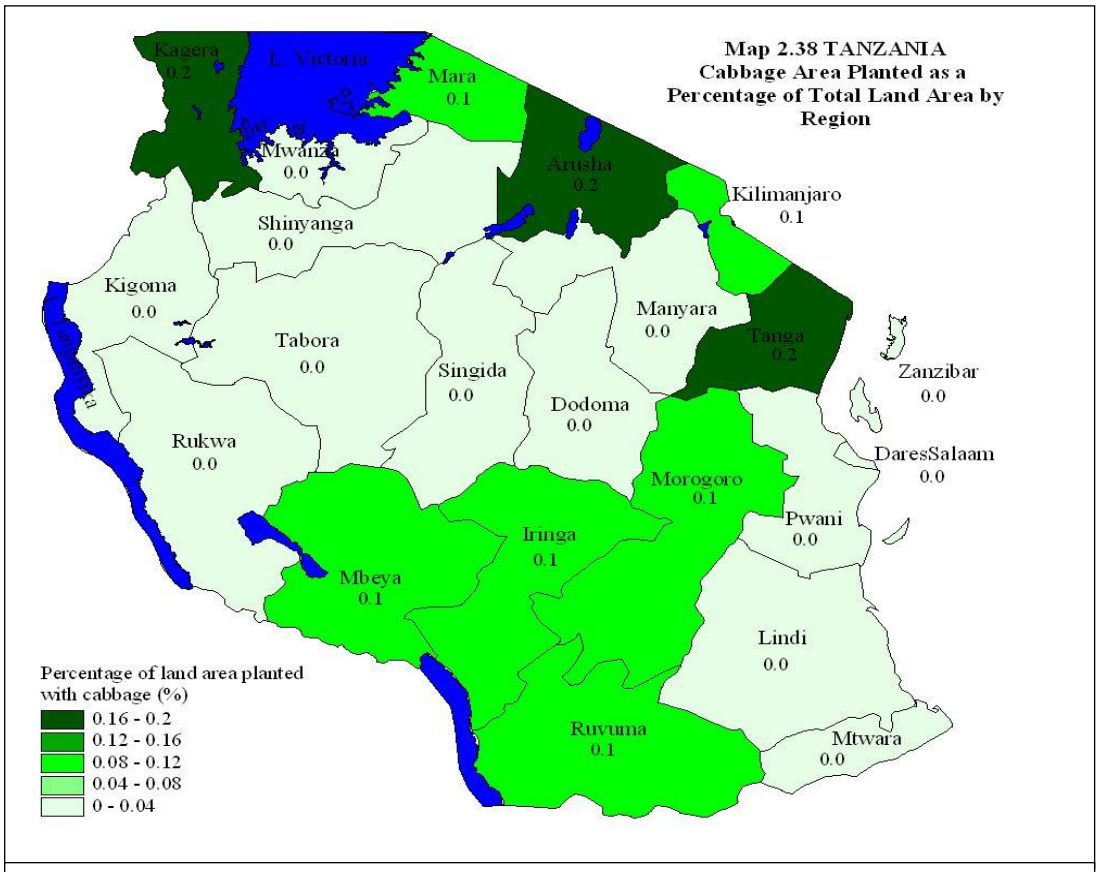
data then indicated Arusha having the largest planted area of onions (2,558 ha, 23.7%) followed by Tabora region (1,507 ha, 14%).

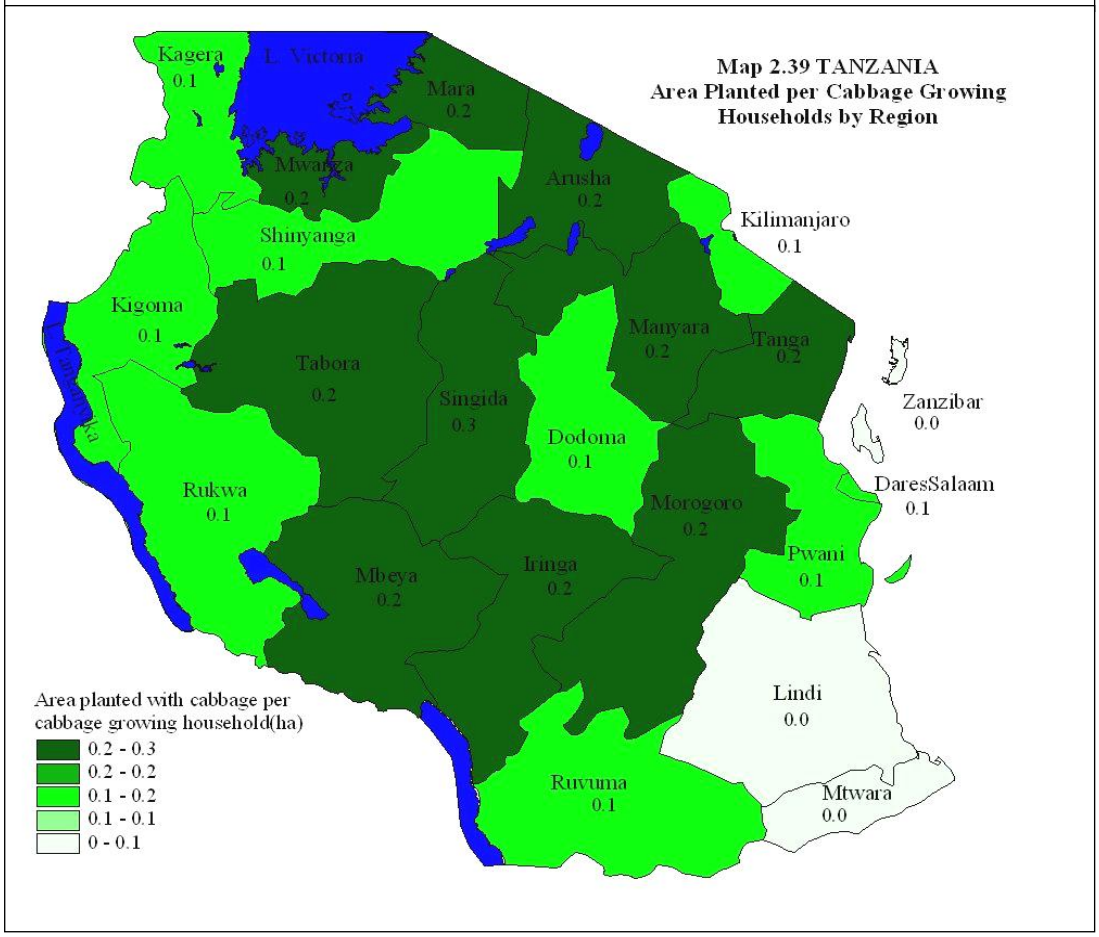
In this census, other regions with relatively smaller planted areas were Arusha (754 ha, 8.6%), Iringa (737 ha, 8.5%) and Ruvuma (650 ha, 7.4%). The remaining regions had much smaller land areas as to make the crop virtually absent. These include Pwani, Dar es Salaam, Kigoma and Mtwara regions and Zanzibar

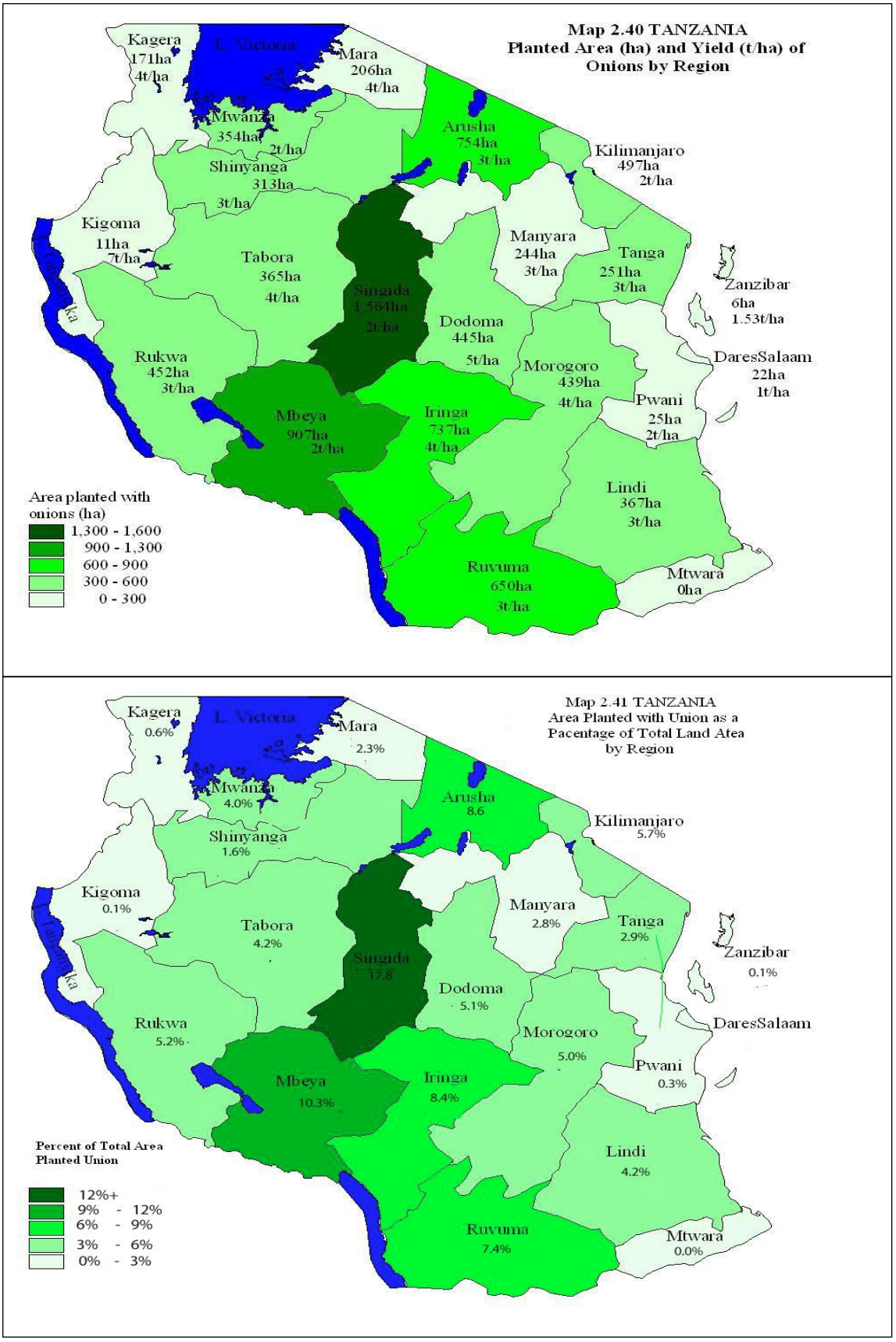


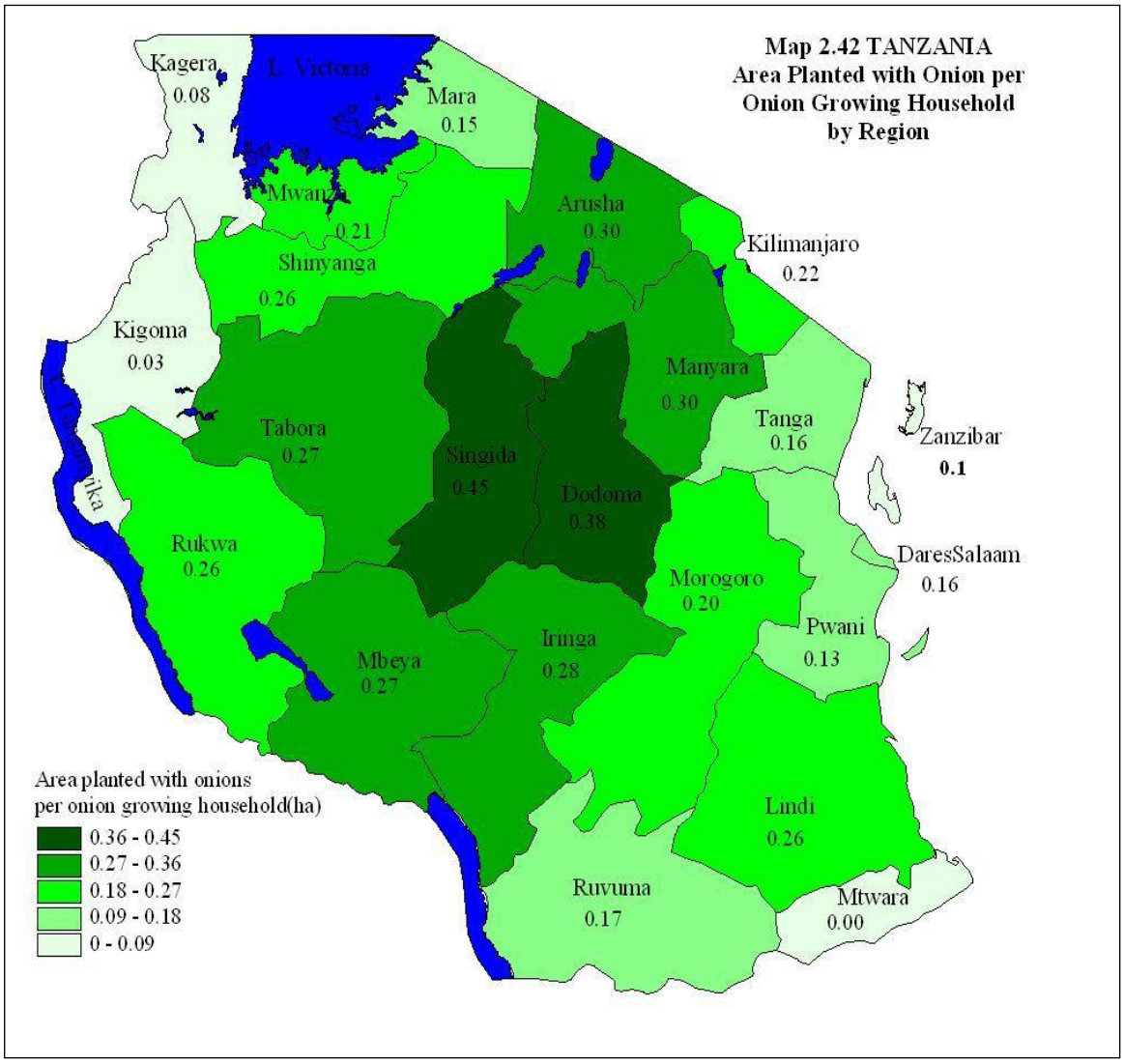
Yields highly varied between regions. The highest yield was in Kigoma (7 t/ha), followed by Dodoma (5t/ha), Mara, Tabora, Morogoro and Iringa regions each with 4t/ha. Lower yields were recorded in Dar es Salaam and Zanzibar having the average of one ton per hectare (Map 2.40). Individual household planted onions on small holdings, the largest average being 0.45 ha per household in Singida region (Chart 2.45 and Map 2.42).


Map 2.37 TANZANIA
Planted Area (ha) and Yield (t/ha)
of Cabbage by Region
Kagera
1,093.7ha
5.2t/ha
L. Victoria
Mara
323.5ha
5.2t/ha
Mwanza
297.9ha
7.3t/ha
Arusha
433.7ha
110.7t/ha
Kilimanjaro
213.4ha
7.0t/ha
Shinyanga
119.8ha
15.1t/ha
Kigoma
81.4ha
25.8t/ha
Tabora
151.6ha
8.9t/ha
Singida
42.3ha
20.5t/ha
Manyara
72.3ha
33.0t/ha
Tanga
963.6ha
9.9t/ha
Zanzibar
14ha
1.59t/ha
Dodoma
13.5ha
3.3t/ha
DaresSalaam
7.7ha
10.8t/ha
Rukwa
129.6ha
8.3t/ha
Morogoro
309.9ha
4.6t/ha
Pwani
7.4ha
25.8t/ha
Iringa
789.5ha
9.1t/ha
Mbeya
382.5ha
4.5t/ha
Lindi
0.0ha
0.0t/ha
Ruvuma
304.6ha
3.0t/ha
Mtwara
0.0ha
0.0t/ha
Area planted with cabbage (ha)
870 - 1,090
660 - 870
440 - 660
220 - 440
0 - 220


Map 2.38 TANZANIA
Cabbage Area Planted as a Percentage of Total Land Area by Region
Kagera 0.2
L. Victoria
Mara 0.1
Mwanza 0.0
Arusha 0.2
Kilimanjaro 0.1
Shinyanga 0.0
Kigoma 0.0
Manyara 0.0
Tanga 0.2
Tabora 0.0
Singida 0.0
Zanzibar 0.0
Dodoma 0.0
Rukwa 0.0
DaresSalaam 0.0
Morogoro 0.1
Pwani 0.0
Iringa 0.1
Mbeya 0.1
Lindi 0.0
Ruvuma 0.1
Mtwara 0.0
Percentage of land area planted with cabbage (%)
0.16 - 0.2
0.12 - 0.16
0.08 - 0.12
0.04 - 0.08
0 - 0.04


Map 2.39 TANZANIA
Area Planted per Cabbage Growing Households by Region
Kagera 0.1
L. Victoria
Mara 0.2
Mwanza 0.2
Arusha 0.2
Kilimanjaro 0.1
Shinyanga 0.1
Kigoma 0.1
Manyara 0.2
Tanga 0.2
Tabora 0.2
Singida 0.3
Zanzibar 0.0
Dodoma 0.1
Rukwa 0.1
DaresSalaam 0.1
Morogoro 0.2
Pwani 0.1
Mbeya 0.2
Iringa 0.2
Lindi 0.0
Ruvuma 0.1
Mtwara 0.0
Area planted with cabbage per cabbage growing household(ha)
0.2 - 0.3
0.2 - 0.2
0.1 - 0.2
0.1 - 0.1
0 - 0.1


Map 2.40 TANZANIA
Planted Area (ha) and Yield (t/ha) of Onions by Region
Kagera 171ha 4t/ha
L. Victoria
Mara 206ha 4t/ha
Mwanza 354ha 2t/ha
Shinyanga 313ha 3t/ha
Arusha 754ha 3t/ha
Kilimanjaro 497ha 2t/ha
Kigoma 11ha 7t/ha
Tabora 365ha 4t/ha
Singida 1,564ha 2t/ha
Manyara 244ha 3t/ha
Tanga 251ha 3t/ha
Zanzibar 6ha 1.53t/ha
Dodoma 445ha 5t/ha
Rukwa 452ha 3t/ha
Morogoro 439ha 4t/ha
DaresSalaam 22ha 1t/ha
Mbeya 907ha 2t/ha
Iringa 737ha 4t/ha
Pwani 25ha 2t/ha
Lindi 367ha 3t/ha
Ruvuma 650ha 3t/ha
Mtwara 0ha
Area planted with onions (ha)
1,300 - 1,600
900 - 1,300
600 - 900
300 - 600
0 - 300
Map 2.41 TANZANIA
Area Planted with Union as a Pacentage of Total Land Atea by Region
Kagera 0.6%
L. Victoria
Mara 2.3%
Mwanza 4.0%
Shinyanga 1.6%
Arusha 8.6
Kilimanjaro 5.7%
Kigoma 0.1%
Tabora 4.2%
Singida 17.8
Manyara 2.8%
Tanga 2.9%
Zanzibar 0.1%
Dodoma 5.1%
Rukwa 5.2%
Morogoro 5.0%
DaresSalaam
Mbeya 10.3%
Iringa 8.4%
Pwani 0.3%
Lindi 4.2%
Ruvuma 7.4%
Mtwara 0.0%
Percent of Total Area Planted Union
12%+
9% - 12%
6% - 9%
3% - 6%
0% - 3%


Map 2.42 TANZANIA
Area Planted with Onion per Onion Growing Household by Region
Kagera 0.08
L. Victoria
Mara 0.15
Mwanza 0.21
Shinyanga 0.26
Arusha 0.30
Kilimanjaro 0.22
Kigoma 0.03
Manyara 0.30
Tanga 0.16
Zanzibar 0.1
Tabora 0.27
Singida 0.45
Dodoma 0.38
Rukwa 0.26
DaresSalaam 0.16
Morogoro 0.20
Pwani 0.13
Iringa 0.28
Mbeya 0.27
Lindi 0.26
Ruvuma 0.17
Mtwara 0.00
Area planted with onions per onion growing household(ha)
0.36 - 0.45
0.27 - 0.36
0.18 - 0.27
0.09 - 0.18
0 - 0.09

2.5.5 Other Annual Cash Crops

There are some other annual crops that are designated as cash crops that were planted in the country. These included cotton, tobacco, pyrethrum and other annual cash crops (Chart 2.46 and Table 2.5). The 2007/08 Agriculture Census data indicated that most of the crops in this category were planted during the long rain season 514,831 ha (80.1%) compared to the short rain season (128,127 ha 19.9%). Amongst the crops, cotton occupied the largest land area, in both the short and long rainy season with a total of 574,836 ha (89%) and engages the largest number of households in both seasons, compared to all other crops combined. The other crops, in diminishing importance (Chart 2.5), were tobacco 64,572 ha, (10%) and pyrethrum with 3,531 ha (1%) of the land planted with the crops, respectively.

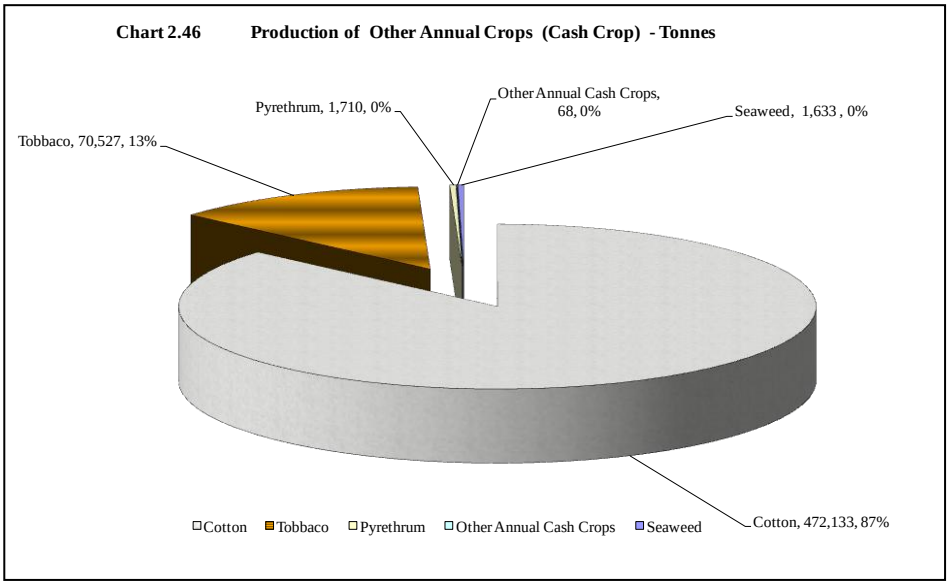
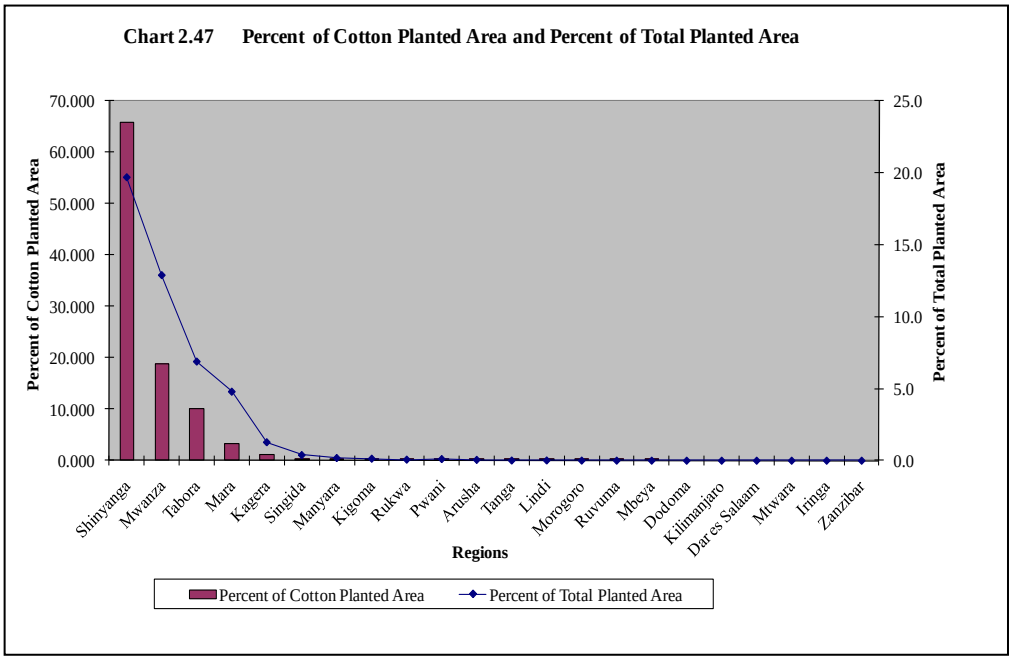


Table 2.5 Area Planted and Quantity Harvested by Season and Type of Other Crops

Crop	season	Mainland				Zanzibar				Total			
		Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Cotton	Short Season	124,625	123,766	110,796.71	.90	0	0	0	0	124,625	123,766	110,796.71	.90
	Long Season	279,506	451,070	361,336.06	0.8	0	0	0	0	279,506	451,070	361,336.06	0.8
Tobbaco	Short Season	6,894	3,812	3,571.06	.94	0	0	0	0	6,894	3,812	3,571.06	.00
	Long Season	67,897	60,760	66,955.90	1.1	0	0	0	0	67,897	60,760	66,955.90	.00
Pyrethrum	Short Season	1,273	548	286.43	.52	0	0	0	0	1,273	548	286.43	.52
	Long Season	7,548	2,983	1,424.02	0.5	0	0	0	0	7,548	2,983	1,424.02	0.5
Other Annual/Cash Crop	Short Season	37	2	3.73	2.47	0	0	0	0	37	2	3.73	.00
	Long Season	45	18	63.95	3.5	0	0	0	0	45	18	63.95	3.5
Total	Short Season	132,829	128,127	114,658	0.9	0	0	0	0	132,829	128,127	114,658	0.9
	Long Season	354,997	514,831	429,780	0.8	0	0	0	0	354,997	514,831	429,780	0.8

2.5.5.1 Cotton

Cotton was planted only in Mainland Tanzania during both Short and Long rain seasons. Comparatively, the number of households which engaged in cotton production was 279,506 (78.7%) of the total households during the long rain season. The total area planted for the cotton during that season was 451,070 ha represented (78.5%) of the total areaTable 2.6. Similarly, the quantities harvested were higher in the long rain season 361,336.1 tonnes (76.5%) compared to the short rain season 110,796.7 tonnes(23.5%) even though productivity was slightly higher for the short rain season (0.9 ton/ha) than for the long rain season (0.8 ton/ha).



Shinyanga region was the most important region for cotton production (Chart 2.47 and Map 2.43) which accounted for 65.9% of the planted area 378,666 ha in the country. Other cotton producing regions were Mwanza being the second (108,329 ha or 18.8%) followed by Tabora (57,901 ha or 10.1%). Mara (18,634 ha or 3.2%) and Kagera (6,856 ha or 1.2%) had very small areas planted with cotton. The remaining regions except Dodoma, Kilimanjaro, Dar es Salaam, Mtwara and Iringa in the Mainland had less than 1% of cotton planted area, accounted for 0.8 percent of the total planted area (Chart 2.47). In Zanzibar cotton was not planted.

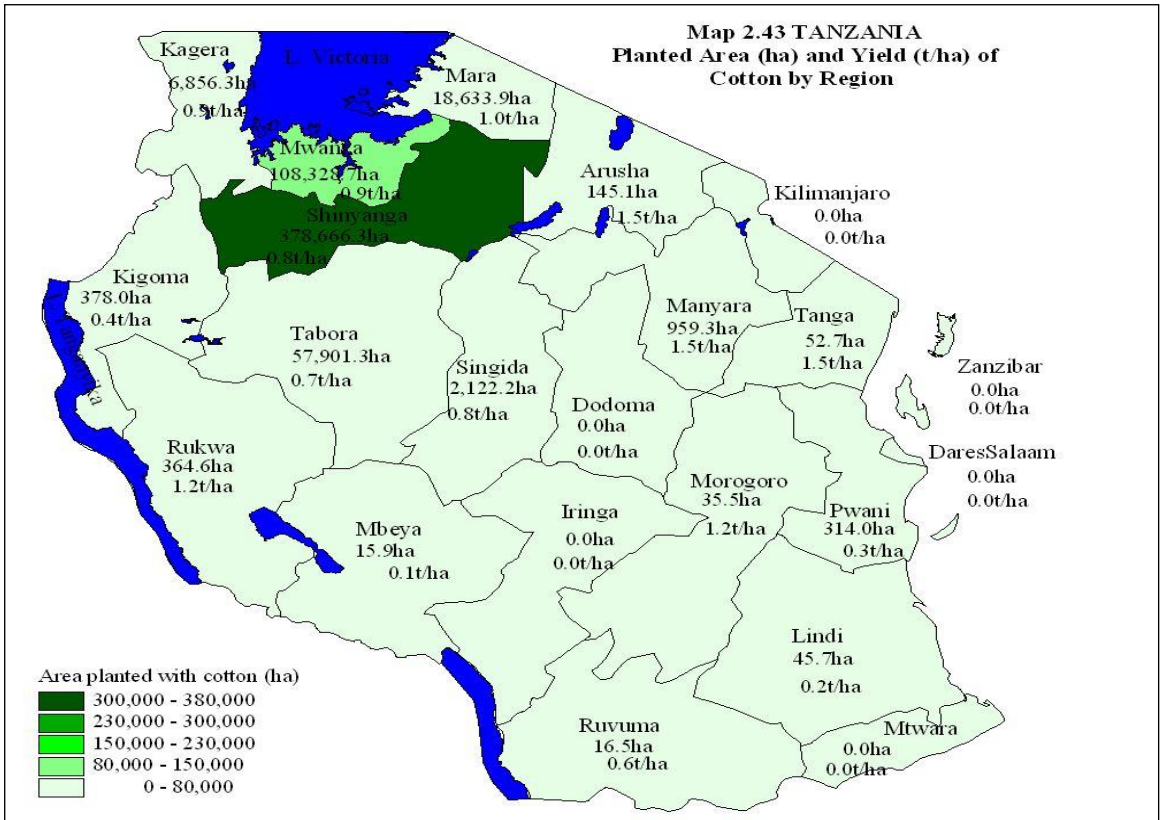
Table 2.6 Cotton Production by Region

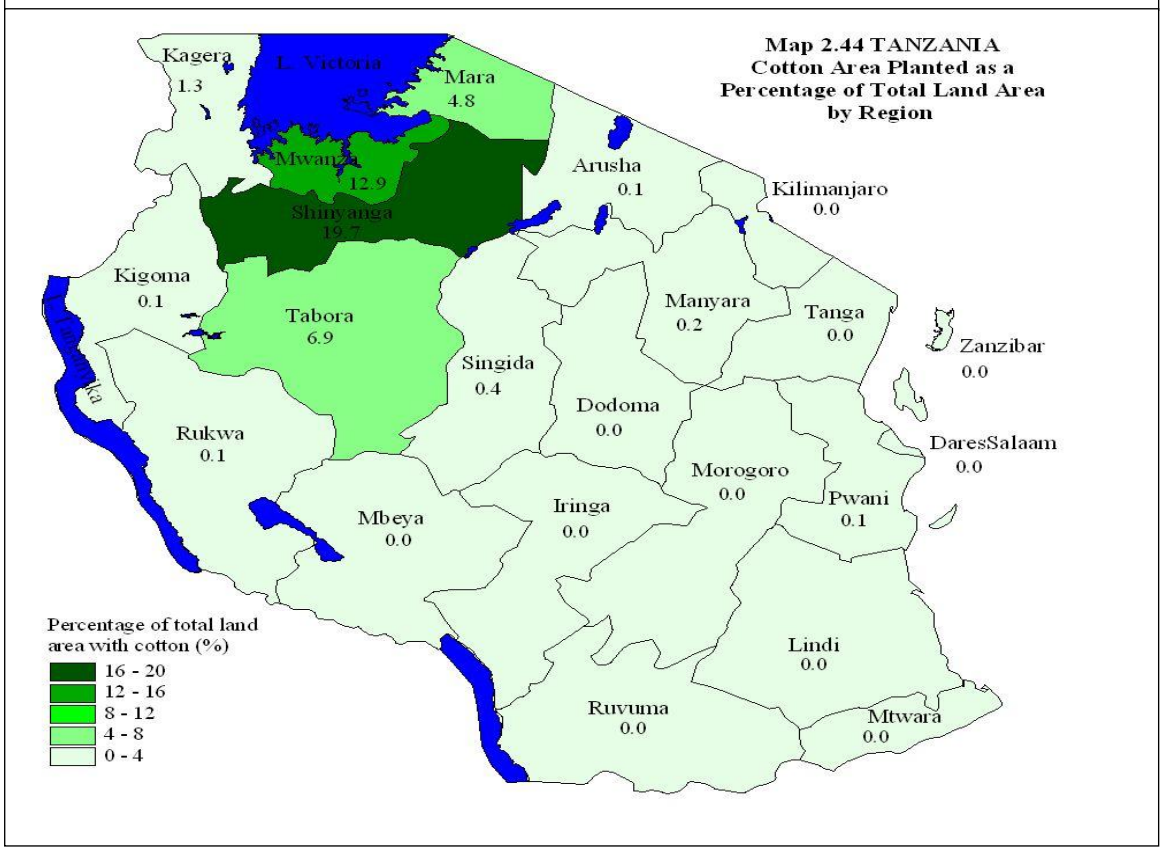
Region	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Manyara	632	959	1,438	1.50
Arusha	119	145	217	1.50
Tanga	130	53	79	1.50
Morogoro	88	36	44	1.24
Rukwa	675	365	437	1.20
Mara	21,151	18,634	19,257	1.03
Kagera	8,326	6,856	6,473	0.94
Mwanza	108,405	108,329	94,725	0.87
Shinyanga	235,946	378,666	307,077	0.81
Singida	2,185	2,122	1,603	0.76
Tabora	25,514	57,901	40,504	0.70
Ruvuma	81	16	10	0.59
Kigoma	373	378	149	0.40
Pwani	332	314	108	0.35
Lindi	94	46	9	0.21
Mbeya	79	16	2	0.15
Dodoma	0	0	0	0
Kilimanjaro	0	0	0	0
Dar es Salaam	0	0	0	0
Mtwara	0	0	0	0
Iringa	0	0	0	0
Zanzibar	**0**	**0**	**0**	**0**
NATIONAL	**404,131**	**574,836**	**472,132.77**	**.19**

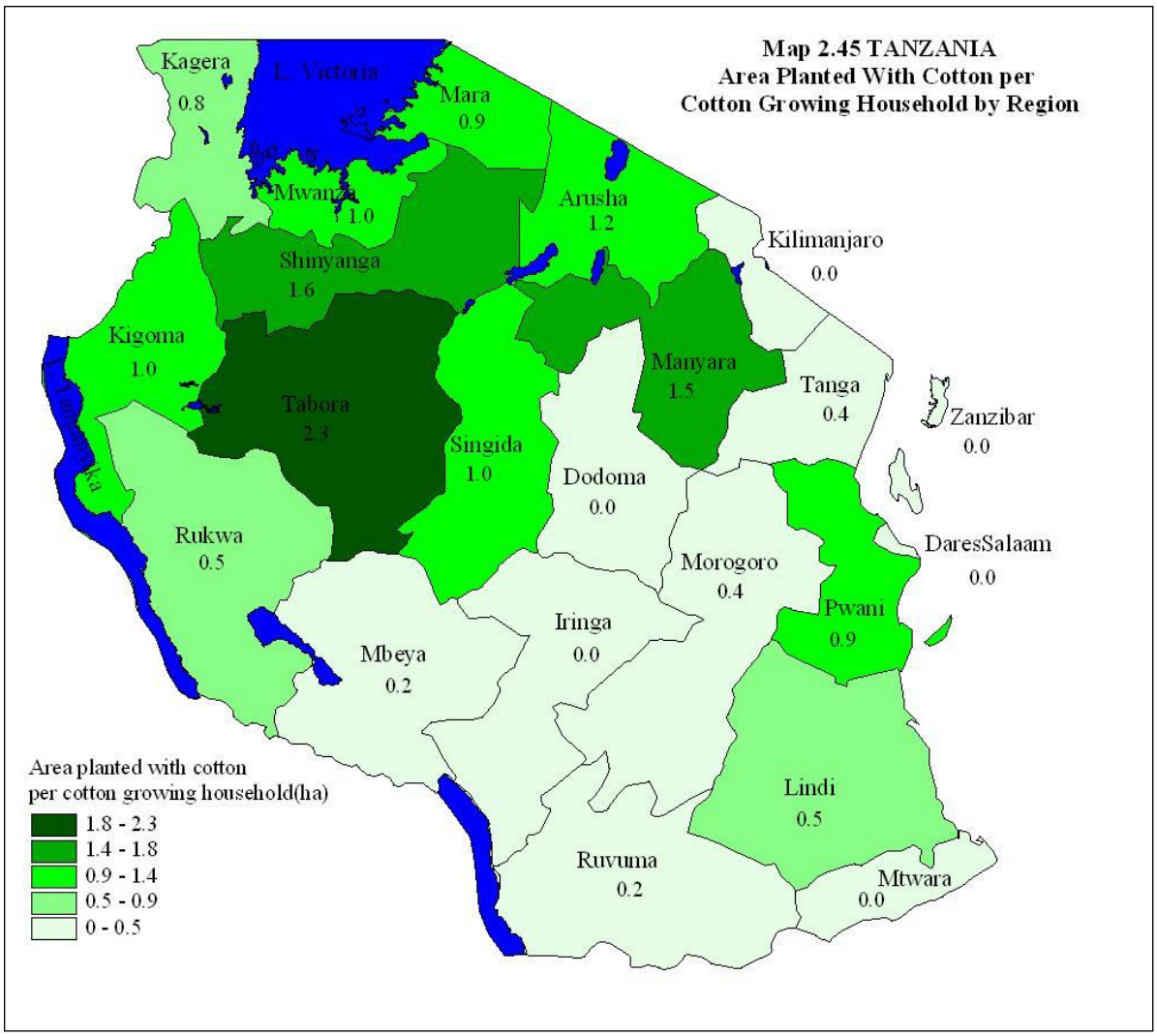
The highest seed cotton yield was 1.5 t/ha recorded in Manyara, Arusha and Tanga regions, all of which had relatively small planted areas, compared to Shinyanga, Mwanza and Tabora where yields were 0.8, 0.9, and 0.7 tons/ha, respectively. The second highest yielding cohort comprised of Morogoro, Rukwa and Mara regions with seed cotton yields of between one and 1.2 t/ha, while in all other production regions, yields were below one ton per hectare. The lowest yield was 0.2 t/ha in Mbeya region (Map 2.43).

However, the total quantities harvest (Table 2.6) were largest in Shinyanga (307,077 tons, 65% of total harvested quantity), despite the relatively low productivity (0.8 t/ha), due to the large planted area. The second largest harvested seed cotton was in Mwanza (94,125, 20%) followed by Tabora (40,504 tons, 8.6%) and Mara (19,257 tons, 4%). The remaining 2.4% of the harvested seed cotton was produced by the remaining 11 regions that also produced cotton.

The cotton planted area per household (Map 2.45) was highest in Tabora (2.3 ha) while other regions where households planted at least one hectare, in a decreasing order were, Shinyanga (1.6 ha), Arusha (1.2 ha) and Kigoma and Mwanza (1.0 ha).


Map 2.43 TANZANIA
Planted Area (ha) and Yield (t/ha) of Cotton by Region
L. Victoria
Kagera
6,856.3ha
0.5t/ha
Mara
18,633.9ha
1.0t/ha
Mwanza
108,328.7ha
0.9t/ha
Shinyanga
378,666.3ha
0.8t/ha
Kigoma
378.0ha
0.4t/ha
Tabora
57,901.3ha
0.7t/ha
Singida
2,122.2ha
0.8t/ha
Arusha
145.1ha
1.5t/ha
Kilimanjaro
0.0ha
0.0t/ha
Manyara
959.3ha
1.5t/ha
Tanga
52.7ha
1.5t/ha
Zanzibar
0.0ha
0.0t/ha
Dodoma
0.0ha
0.0t/ha
DaresSalaam
0.0ha
0.0t/ha
Rukwa
364.6ha
1.2t/ha
Morogoro
35.5ha
1.2t/ha
Iringa
0.0ha
0.0t/ha
Pwani
314.0ha
0.3t/ha
Mbeya
15.9ha
0.1t/ha
Lindi
45.7ha
0.2t/ha
Ruvuma
16.5ha
0.6t/ha
Mtwara
0.0ha
0.0t/ha
Area planted with cotton (ha)
300,000 - 380,000
230,000 - 300,000
150,000 - 230,000
80,000 - 150,000
0 - 80,000


Map 2.44 TANZANIA
Cotton Area Planted as a Percentage of Total Land Area by Region
L. Victoria
Kagera
1.3
Mara
4.8
Mwanza
12.9
Shinyanga
19.7
Kigoma
0.1
Tabora
6.9
Singida
0.4
Arusha
0.1
Kilimanjaro
0.0
Manyara
0.2
Tanga
0.0
Zanzibar
0.0
Dodoma
0.0
DaresSalaam
0.0
Rukwa
0.1
Morogoro
0.0
Iringa
0.0
Pwani
0.1
Mbeya
0.0
Lindi
0.0
Ruvuma
0.0
Mtwara
0.0
Percentage of total land area with cotton (%)
16 - 20
12 - 16
8 - 12
4 - 8
0 - 4


Map 2.45 TANZANIA
Area Planted With Cotton per
Cotton Growing Household by Region
Kagera
0.8
L. Victoria
Mara
0.9
Mwanza
1.0
Arusha
1.2
Kilimanjaro
0.0
Shinyanga
1.6
Kigoma
1.0
Tabora
2.3
Manyara
1.5
Tanga
0.4
Zanzibar
0.0
Singida
1.0
Dodoma
0.0
Rukwa
0.5
Morogoro
0.4
DaresSalaam
0.0
Pwani
0.9
Iringa
0.0
Mbeya
0.2
Lindi
0.5
Ruvuma
0.2
Mtwara
0.0
Area planted with cotton
per cotton growing household(ha)
1.8 - 2.3
1.4 - 1.8
0.9 - 1.4
0.5 - 0.9
0 - 0.5

2.5.5.2 Tobacco

Tobacco was produced only in the Mainland where it occupied about 64,572 ha in 17 regions and was not planted in

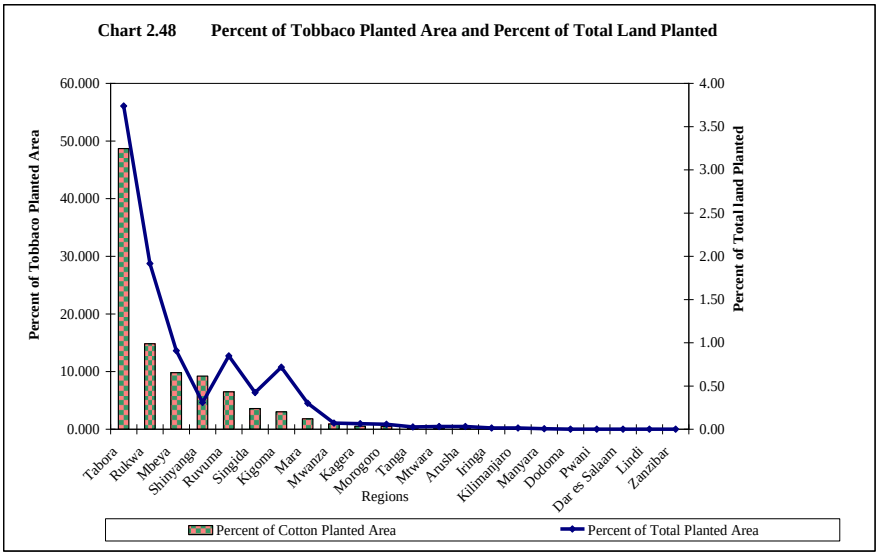


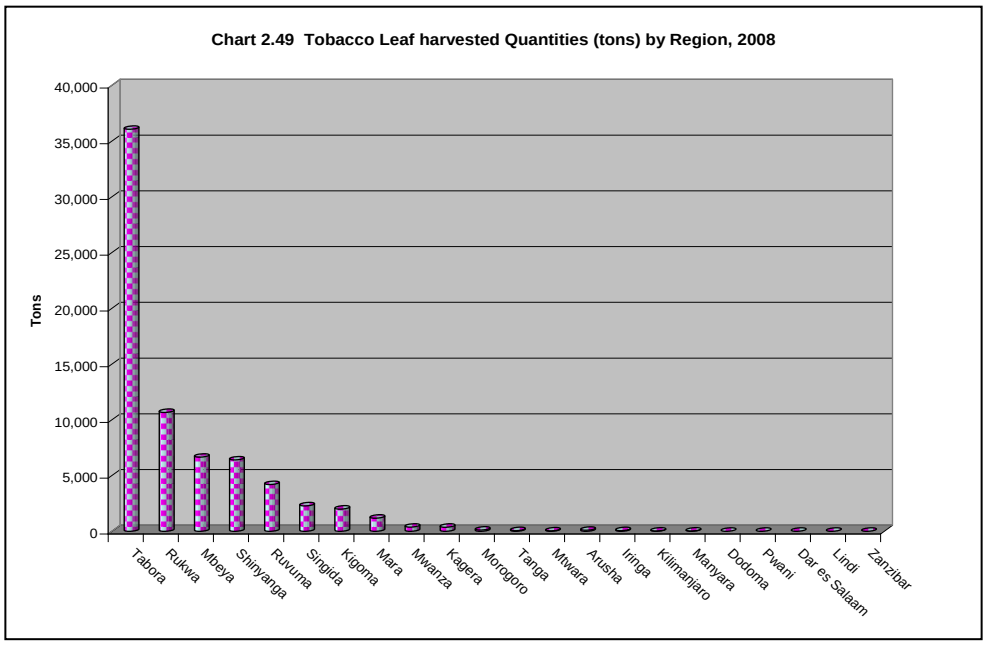
Table 2.7 Tobacco Production by Region

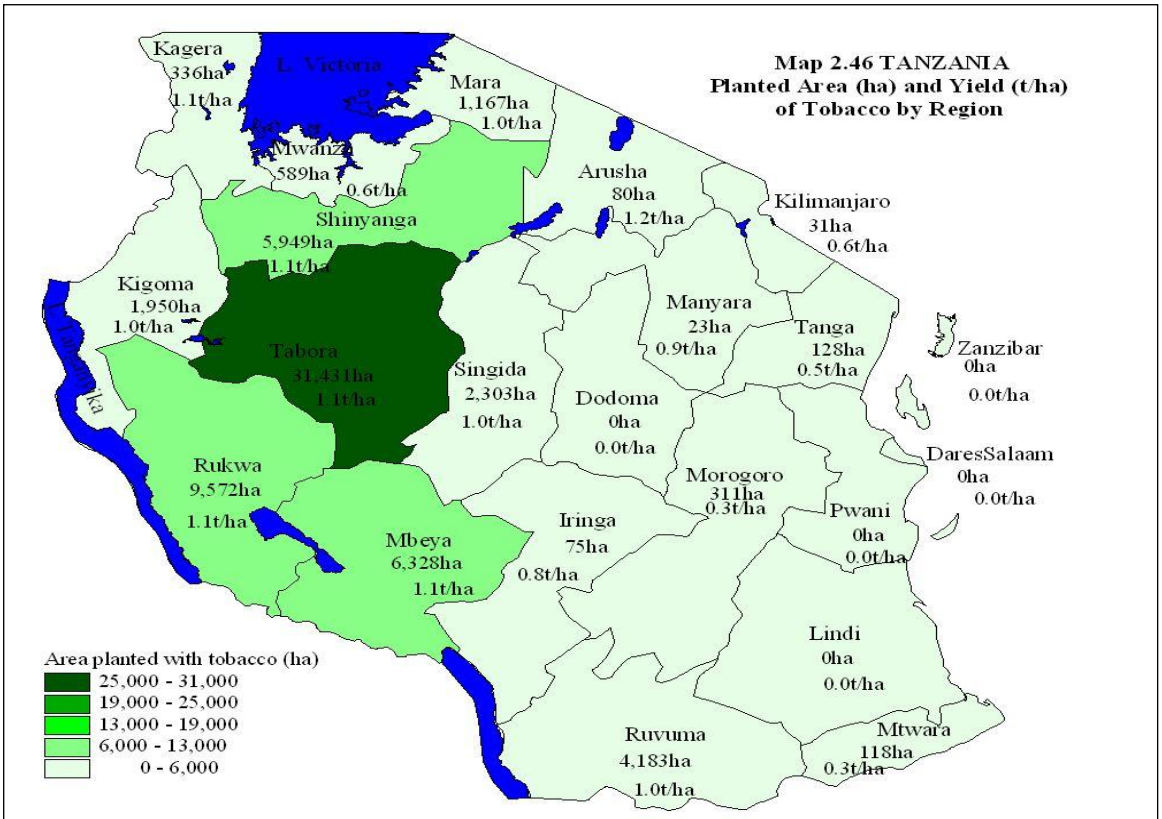
Region	Number of H/holds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (t/ha)
Tabora	33,987	31,431	36,056	1.15
Rukwa	11,339	9,572	10,661	1.11
Mbeya	5,983	6,328	6,646	1.05
Shinyanga	6,269	5,949	6,402	1.08
Ruvuma	5,832	4,183	4,192	1.00
Singida	1,929	2,303	2,279	0.99
Kigoma	3,021	1,950	1,988	1.02
Mara	2,253	1,167	1,177	1.01
Mwanza	869	589	372	0.63
Kagera	822	336	363	1.08
Morogoro	977	311	108	0.35
Tanga	316	128	58	0.46
Mtwara	232	118	35	0.30
Arusha	151	80	93	1.16
Iringa	328	75	59	0.79
Kilimanjaro	277	31	18	0.58
Manyara	207	23	21	0.91
Dodoma	0	0	0	0
Pwani	0	0	0	0
Dar es Salaam	0	0	0	0
Lindi	0	0	0	0
Zanzibar	**0**	**0**	**0**	**0**
NATIONAL	**6,894**	**64,572**	**70,526.**	**-**

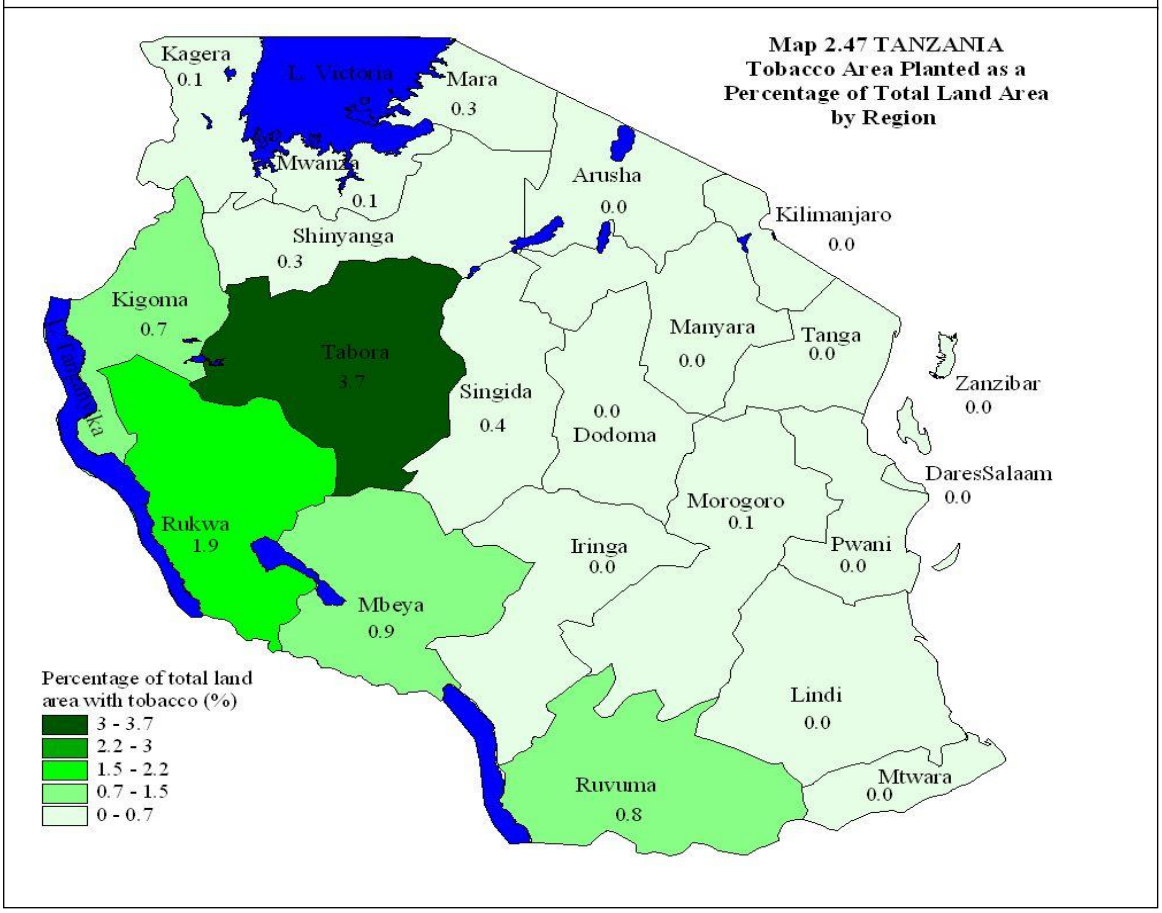
Dodoma, Pwani, Dar es Salaam and Lindi (Chart 2.48, Table 2.7 and map 2.46). Comparatively, Tabora region had the largest number of households producing tobacco (Table 2.7,) which were estimated to be 33,987 (45.4%); the largest planted area (31,431 ha, 48.7% of total area planted with tobacco); the largest proportion (0.037) of land planted with tobacco (Map 2.47) and accounted for the largest production (Table 2.7) equivalent to 51.1% of total harvested quantity (36,056 tons), (Chart 2.49)

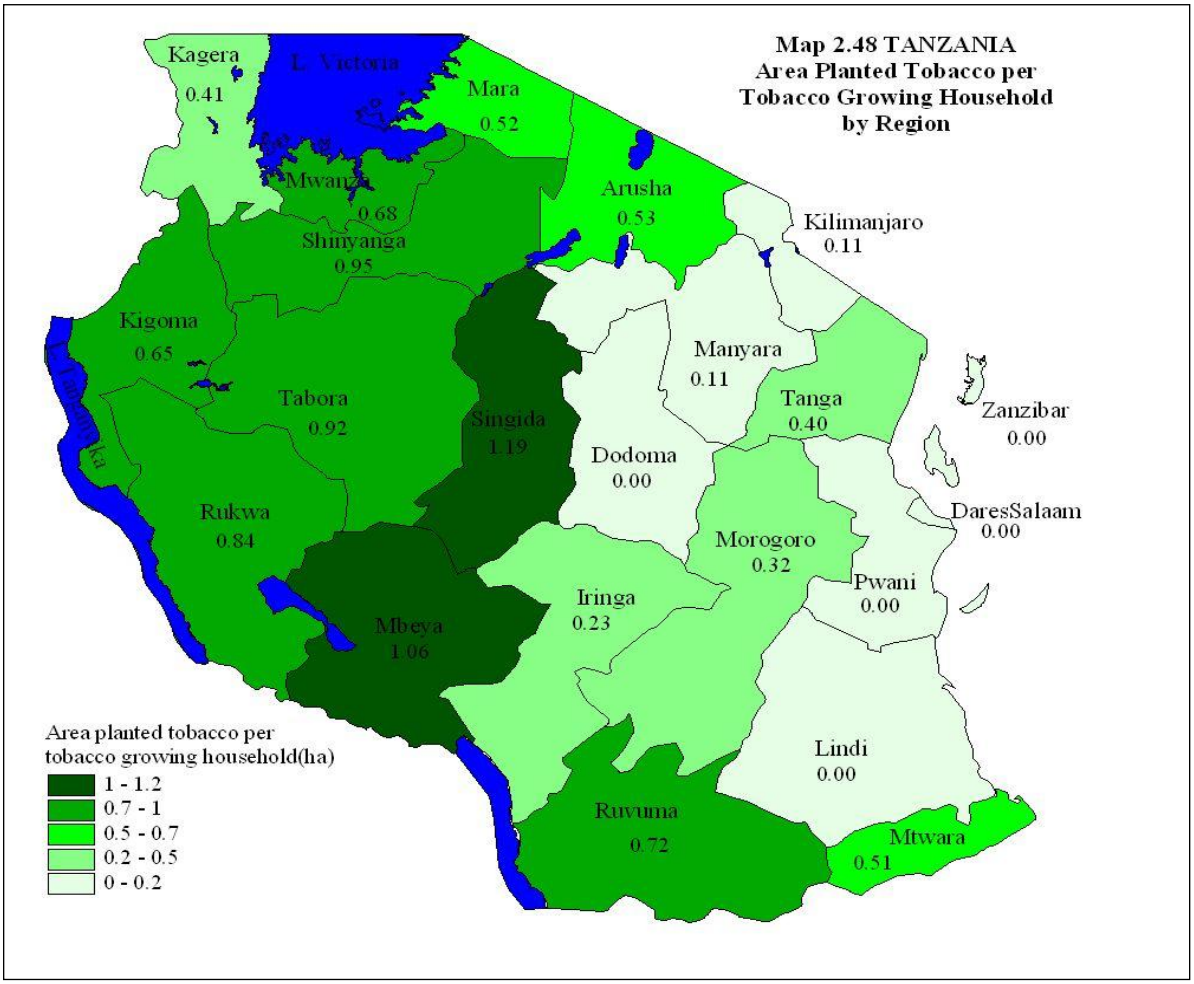
Other regions that were engaged in tobacco production, with decreasing acreage, were Rukwa 9,572 ha (14.8%). Mbeya6, 328 ha (9.8%), Shinyanga 5,949 ha (9.2%), Ruvuma 4,183 ha (6.5%) and Singida 2,303 ha (3.6%). Other producing regions had planted area below 2000 ha, the lowest being Manyara with 23 ha (0.04%), (Chart 2.48, Table 2.7 and 2.52 Map 2.46)

Planted area per household was generally below one hectare (Map 2.48), being highest at 0.92 ha/household in Tabora, followed by Rukwa (0.84 ha), Mwanza (0.68 ha/household), Arusha (0.53 ha/household) and Mara (0.52 ha/household). The planted area per household in all other production regions was below half a hectare and was lowest in Manyara and Kilimanjaro each with 0.11 ha/household.




Map 2.46 TANZANIA
Planted Area (ha) and Yield (t/ha)
of Tobacco by Region
Kagera
336ha
1.1t/ha
L. Victoria
Mara
1,167ha
1.0t/ha
Mwanza
589ha
0.6t/ha
Shinyanga
5,949ha
1.1t/ha
Arusha
80ha
1.2t/ha
Kilimanjaro
31ha
0.6t/ha
Kigoma
1,950ha
1.0t/ha
Tabora
31,431ha
1.1t/ha
Singida
2,303ha
1.0t/ha
Manyara
23ha
0.9t/ha
Tanga
128ha
0.5t/ha
Zanzibar
0ha
0.0t/ha
Dodoma
0ha
0.0t/ha
DaresSalaam
0ha
0.0t/ha
Rukwa
9,572ha
1.1t/ha
Morogoro
311ha
0.3t/ha
Pwani
0ha
0.0t/ha
Iringa
75ha
0.8t/ha
Mbeya
6,328ha
1.1t/ha
Lindi
0ha
0.0t/ha
Ruvuma
4,183ha
1.0t/ha
Mtwara
118ha
0.3t/ha
Area planted with tobacco (ha)
25,000 - 31,000
19,000 - 25,000
13,000 - 19,000
6,000 - 13,000
0 - 6,000


Map 2.47 TANZANIA
Tobacco Area Planted as a
Percentage of Total Land Area
by Region
Kagera
0.1
L. Victoria
Mara
0.3
Mwanza
0.1
Arusha
0.0
Kilimanjaro
0.0
Shinyanga
0.3
Kigoma
0.7
Tabora
3.7
Singida
0.4
Manyara
0.0
Tanga
0.0
Zanzibar
0.0
Dodoma
0.0
DaresSalaam
0.0
Rukwa
1.9
Morogoro
0.1
Iringa
0.0
Pwani
0.0
Mbeya
0.9
Lindi
0.0
Ruvuma
0.8
Mtwara
0.0
Percentage of total land
area with tobacco (%)
3 - 3.7
2.2 - 3
1.5 - 2.2
0.7 - 1.5
0 - 0.7



2.6 Comparative Planted Land Areas for Annual and Permanent Crops

Permanent or perennial crops refer to crops that usually take over a year to mature and once mature can be harvested for a long time extending over several years or even decades. Annual crops, on the other hand, are planted and harvested within the same season, implying that planted lands are regularly worked out every year to prepare suitable seedbeds for planting.

By comparison, the 2007/08 Census data showed that most of the cultivated land in Tanzania (8,808,771 ha, 85% of total planted area) was planted with annual crops and the remaining 15% (1,550,798 ha) was under permanent crops (Chart 2.50). This is indicative of the dependency of most farmers on annual field and horticultural crops for household food requirements and income generation.

2.5.2 Perrenial/Permanent Crops

Definition

Perennial or permanent crops refer to crops that normally take over a year to mature and once mature can be harvest for a number of years. For most crops it is easy to determine if they are annual or permanent. However, for crops like cassava and bananas the distinction is not so clear. Cassava has varieties that mature within a year and produces only one harvest, whilst other varieties survive for more than one year and produces several harvests.

In this census cassava was treated as an annual crop. Bananas normally take less than a year to mature and produce a harvest and survive for more than one year. Bananas are treated as permanent crops in the census.

In this report the results are presented for the most important permanent crops in terms of production, yield and area planted.

For the 2007/08 Agriculture Sample Census, the number of smallholder households growing permanent crops is 2,457,532 (2,338,106 households on the Mainland and 119,427 in Zanzibar).

Chart 2.51 Area of Permanent Crops Planted by Small holders and Large Scale Farms (LSF)

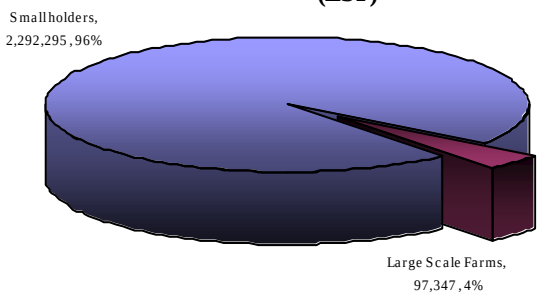
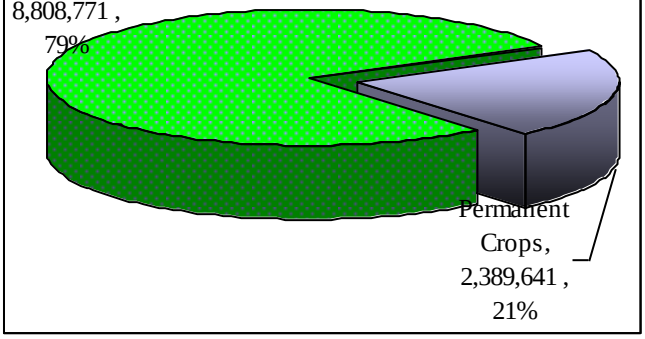


Chart 2.52 Area planted for annual and Permanent Crops



The total area of permanent crops planted by smallholders and large scale farmers was 2,389,641 hectares. However, permanent crop production was dominated by smallholders who cultivated 96 percent of the total area while only 4 percent of the area was planted by large scale farmers Chart 2.51).

By comparison, the 2007/08 Census data showed that most of the cultivated land in Tanzania (8,808,771 ha, 79% of total planted area) was planted with annual crops and the remaining 20% (2,389,641 ha) was under permanent crops (Chart 2.52). This is indicative of the dependency of most farmers on annual field and horticultural crops for household food requirements and income generation.

Mtwara (12%), Pwani (12%) and Kagera (11%) regions has the largest area under smallholder permanent crops which was 258,545, 246,159 and 239,942 hectares respectively. These regions were followed by Ruvuma (201,958 ha), Lindi (187,837 ah) and Tanga (180,570 ha). In terms of area of permanent crops planted per household PwaniShinyanga has the largest area followed by Mtwara and Singida. However, in terms of area of permanent crops planted expressed as a percentage of the total land area per region Mtwara has the highest (15%) followed by Dar es Salaam (13%), Zanzibar (10%) and Kilimanjaro (9%).

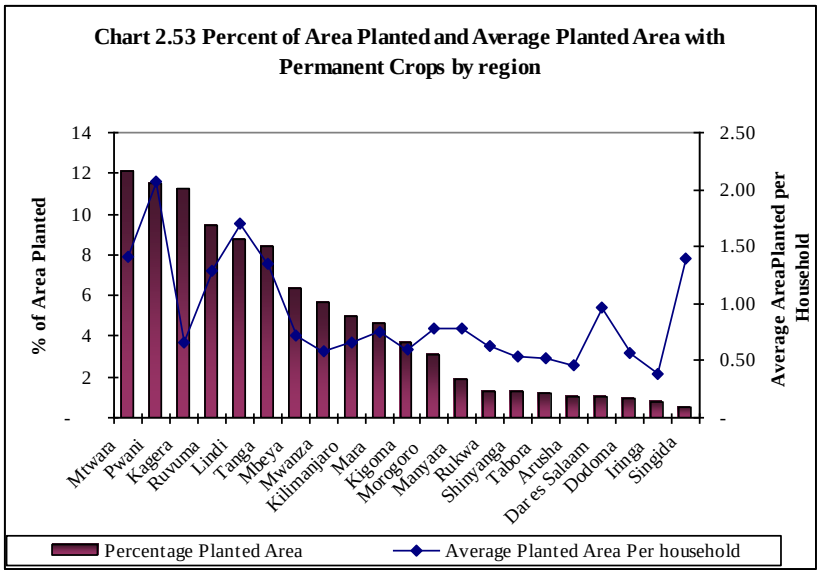


Table 2.8 Area Planted, Quantity Harvested and Yield by Type of Permanent Crop

Crop	Total Area Planted (ha)	Area harvested (ha)	Quantity harvested (tons)	Yield (tons/Ha)
Cashew nut	531,526	199,579	134,998	0.68
Banana	289,496	201,357	1,889,570	6.60
Coffee	197,050	132,942	186,250	1.40
Coconut	119,899	62,248	120,619	1.94
Pigeon pea	112,362	78,228	44,942	.57
Orange	67,950	42,335	197,522	4.67
Mango	64,332	24,832	190,402	7.67
Sugar cane	25,436	21,921	190,147	8.67
Cloves	15,425	4,248	8,654	2.04
Palm oil	15,411	11,830	12,217	1.03
Tea	6,796	6,388	43,588	6.82
Sisal	35	35	31	.88
Other	768,082	606,991		
Total	**2,213,801**	**1,392,935**	**3,018,940**	

Table 2.8 presents the production information on some of the major permanent crops grown by smallholders in Tanzania. For all permanent crops, except bananas, the harvest area is used to calculate yield as it normally takes 3 or more years after planting before the crop starts producing.

With bananas and other annual crops the planted area is used to calculate yield. Production and yield data for each of the major crops is provided in Table 2.8.

Table 2.9 as well presents production infomation of the major permanent crops for Tanzania Mainland, Zanzibar, and from Large Scale Farms.

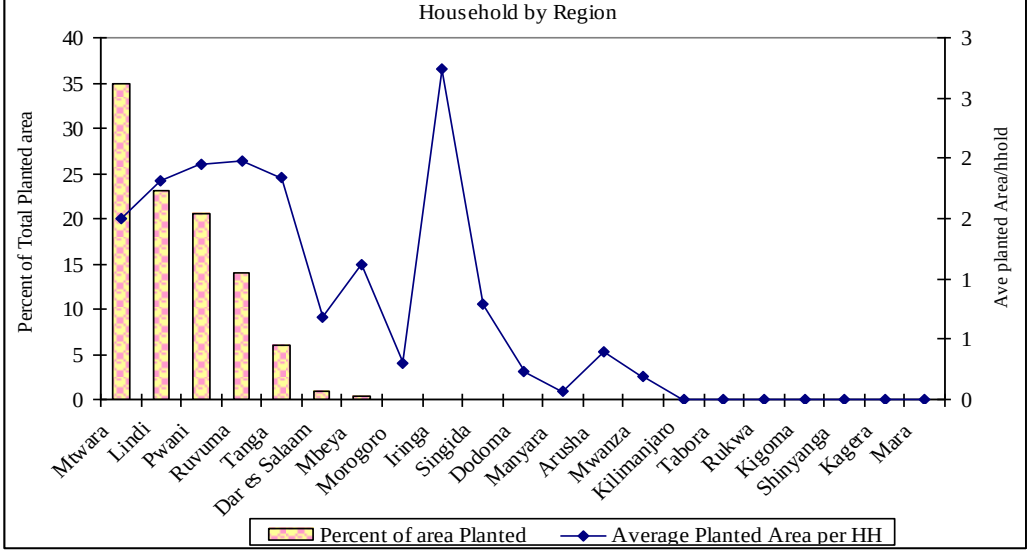
Table 2.9 Number of Households, Area Planted (ha) and Quantity Harvested by Type of Permanent Crop

Crop	Mainland only		Zanzibar		Total Small Scale		Large Scale Farm		Total Planted Area for Tanzania
	Number of house-holds	Total area planted	Number of households	Total area planted	Number of households	Total area planted	House-holds/ farms	Total area planted	
Cashew nut	313,872	531,526	58	7	313,931	531,534	76	9,463	540,997
Banana	942,965	289,496	64,141	15,913	1,007,106	305,410	91	1,449	306,859
Coffee	481,943	197,050	0	0	481,943	197,050	95	3,836	200,885
Coconut	151,797	119,899	21,861	8,058	173,659	127,957	87	6,111	134,068
Mango	286,365	64,332	10,386	2,216	296,751	66,548	81	232	66,780
Orange	175,460	67,950	10,146	2,375	185,606	70,325	81	761	71,087
Palm Oil	61,601	15,411	0	0	61,601	15,411	10	840	16,251
Sisal	119	35	0	0	119	35	42	34,696	34,731
Sugar Cane	64,362	25,436	1,124	353	65,486	25,789	42	17,804	43,593
Tea	17,933	6,796	0	0	17,933	6,796	35	11,213	18,009
Pigeon pea	209,299	112,362	6,488	1,580	215,787	113,942	27	457	114,399
Cloves		15,425		4,972		20,397	17	163	20,560
Other	1846304.65	768,082		43,019		811,101		10,323	821,423
Total		**2,213,801**		**78,493**		**2,292,295**	**684**	**97,347**	2,389,641

3.6.3 Cashewnuts

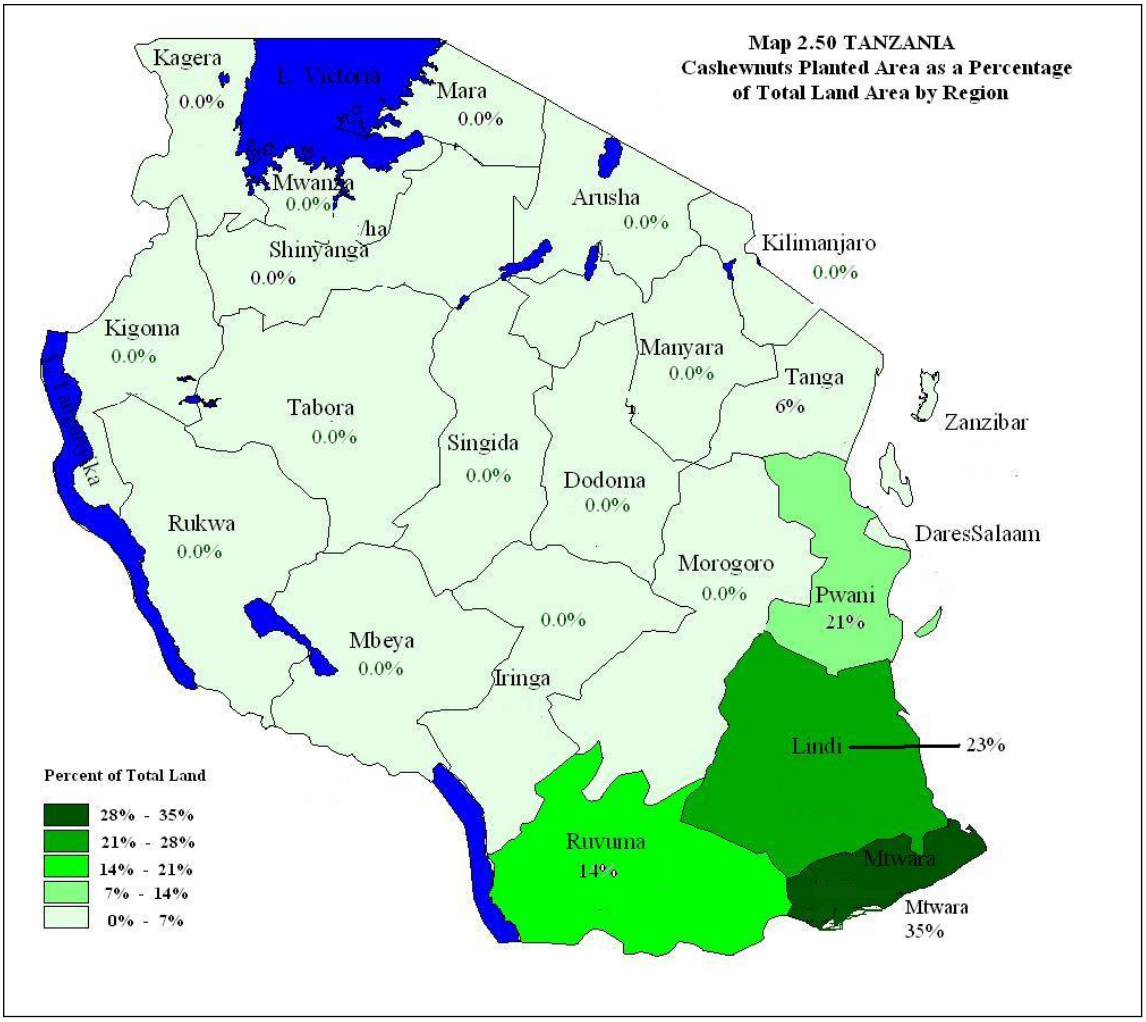
Cashewnuts were produced mainly in six out of the 21 regions in the country on a total area of 289,850 ha by 272,132 households. The regions include Mtwara, Lindi, Pwani, Tanga, Dar es Salaam and Ruvuma. Among the production regions (Chart 2.54 and Map 2.49), Mtwara was the leading cashew producer (185,179 ha, 35% of total planted area) followed by Lindi (123,015 ha, 23%), Pwani (109,112, 21%) and Ruvuma (74,368, 14%). (Chart 2.54 and Map

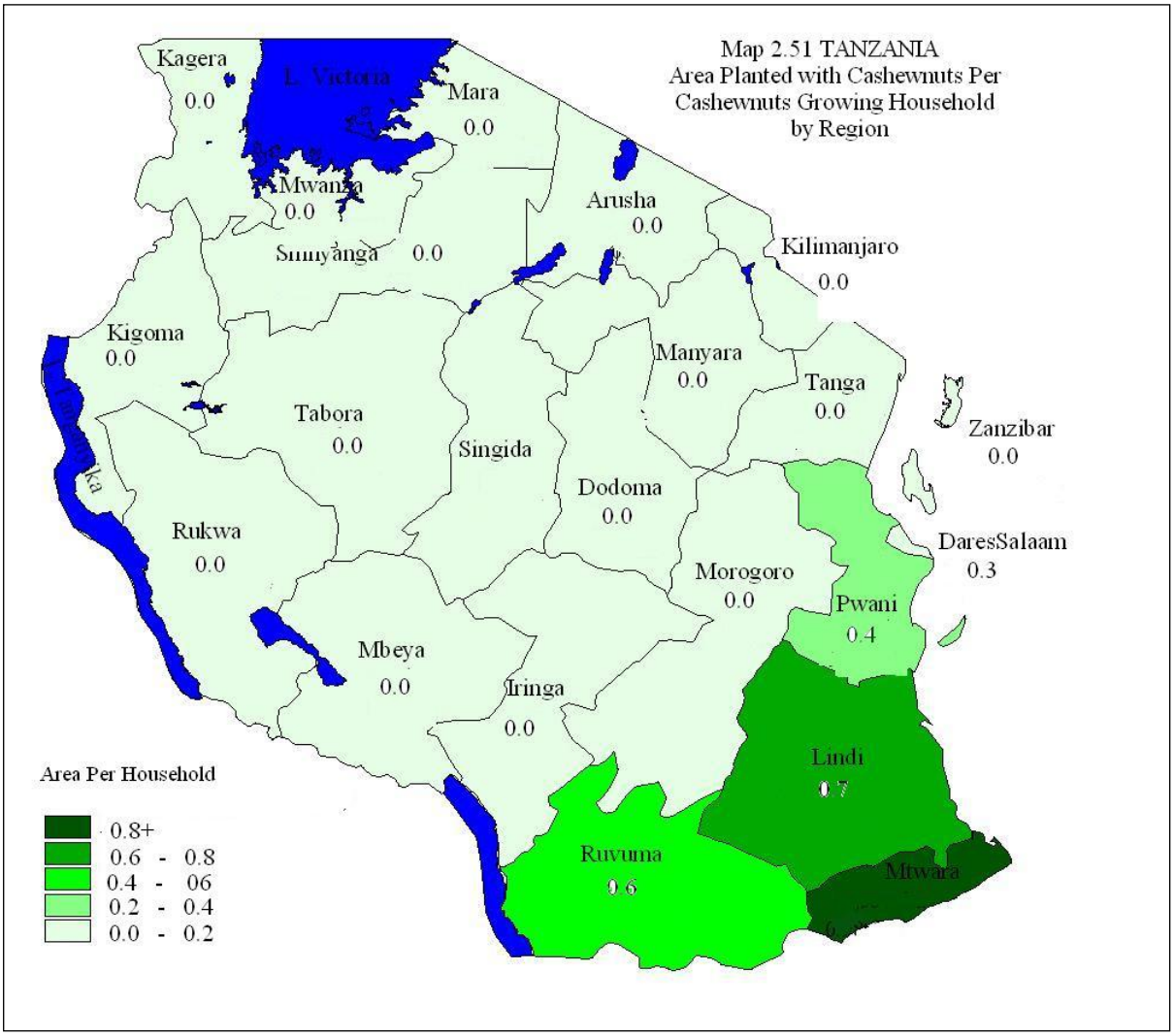
Chart 2.54 Percent of Area Planted with Cashewnuts and Average Planted Area per Household by Region



2.49). Generally yields were higher in the non-traditional production regions with Manyara recording the highest yield (5 t/ha), followed by Mbeya (1.61 t/ha), Tanga (1.07 t/ha) and Dar es salaam (0.97 t/ha). Cashewnut productivity was lower in all other producing regions and was at the lowest level (0.06 t/ha) in Arusha region (Map 2.49).

The largest average planted area per household (3 ha) was in Iringa region, followed by Lindi Pwani, Ruvuma, Tanga and Lindi both recording an average of (2 ha). The 2007/08 Census data also showed that farmers in Singida region which has just recently engaged in cashewnut production, had relatively large average planted area (1 ha/household) when compared to most other production regions (Chart 2.54 and Map 2.51).

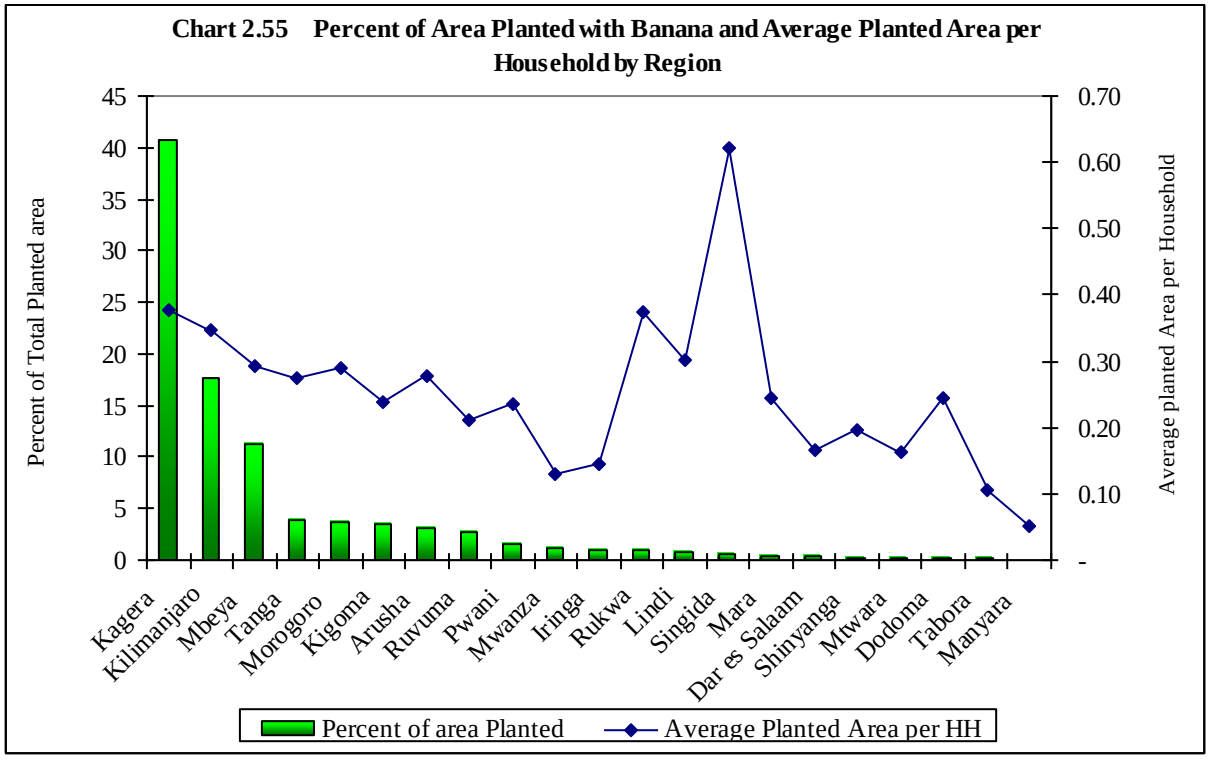




3.6.4 Banana

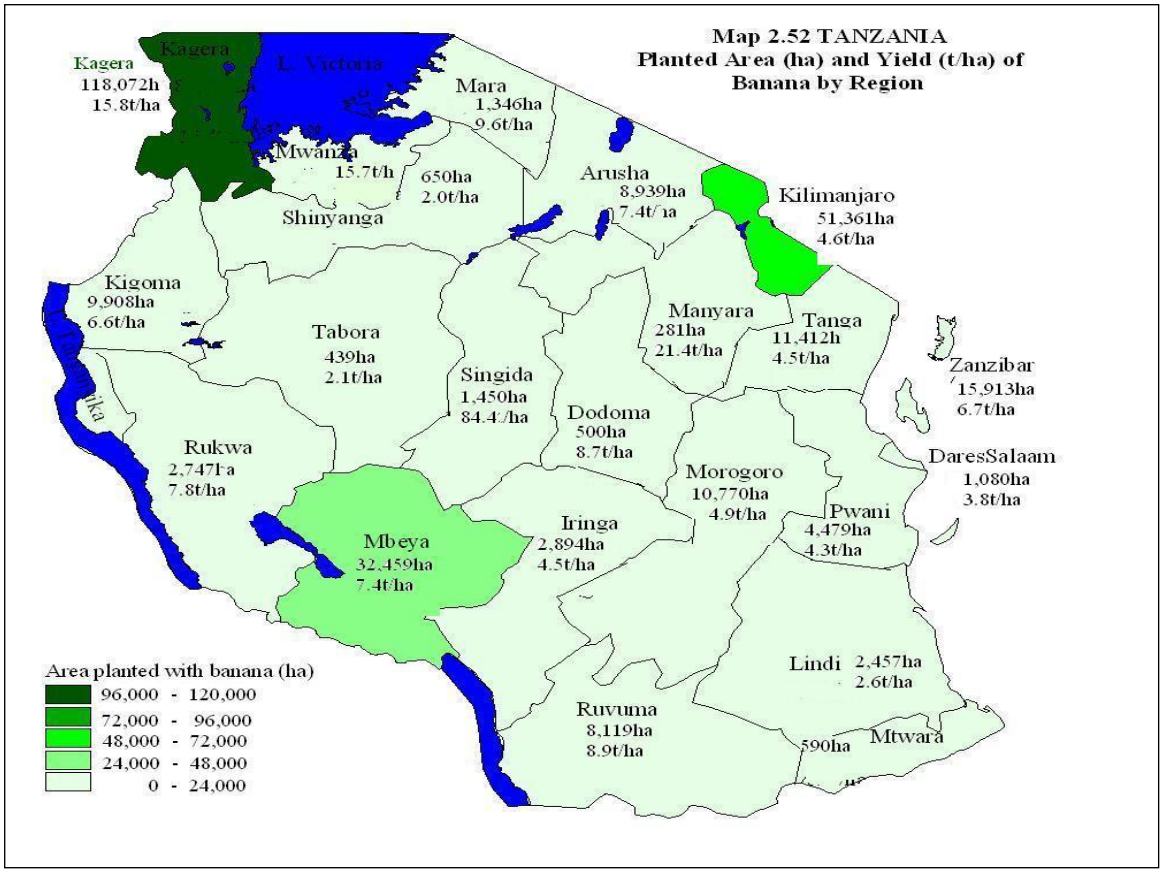
A total of 878,824 households engaged in banana production over a total area of 273,583 ha. In the Mainland, the total area planted (Chart 2.55 and Map 2.52) was largest in Kagera (41% of total area planted with banana), followed by Kilimanjaro (18%), and Mbeya (11%). All other production regions accounted for less than 30% of the total planted area.

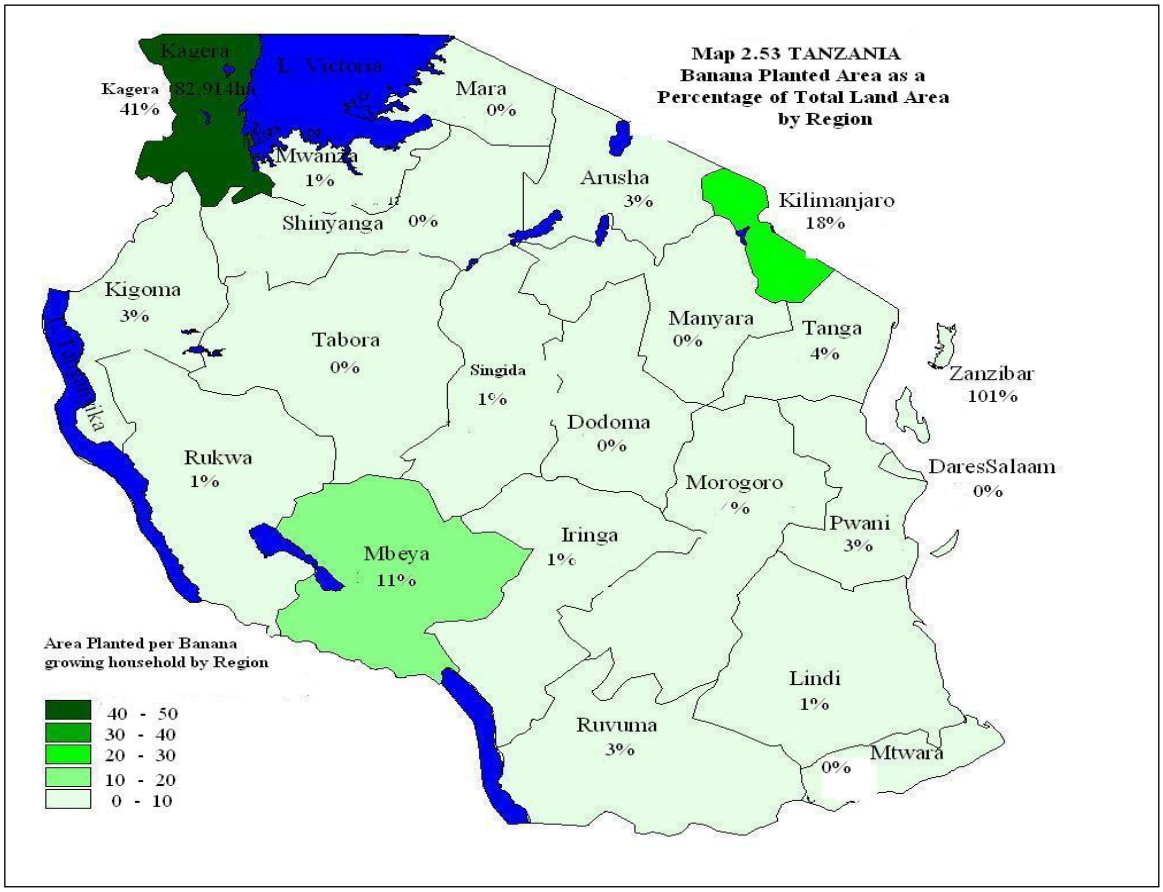
Yields were highly variable between regions (Map 2.52). The highest yield was in the Mainland in Manyara region (21 t/ha), closely followed by Kagera and Mwanza both regions with (16 t/ha). In other production areas in the Mainland, yields were between 6.6 and 10.5 t/ha in Kigoma, Ruvuma, Mbeya, Arusha, Mara, Rukwa and Dodoma. In Zanzibar, banana yields were an average 5.7 t/ha which was slightly more than three times the lowest yield of 2 t/ha which was recorded in Tabora region in the Mainland.

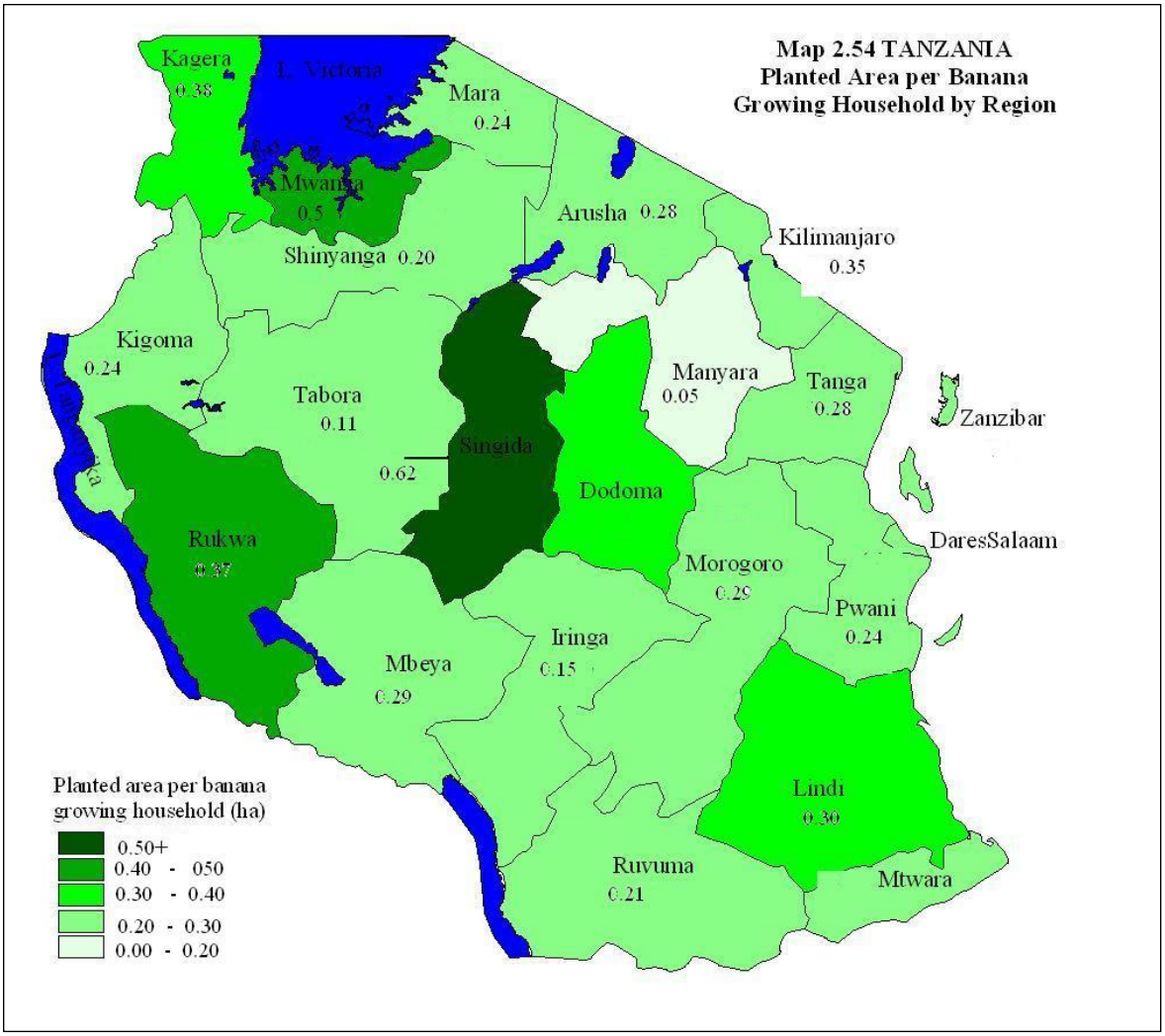


Based on percent of regional land planted with banana as a percent of the total planted area in the region, Kilimanjaro and Kagera regions were leading with 23% and 21% respectively followed by Zanzibar with 13%. Other production regions followed with a large margin difference as was the case for Mbeya (4%), Kigoma, Arusha and Dar es Salaam both with (3%) and Tanga, Ruvuma and Morogoro with 2%. The lowest percentages of regional land planted with banana were in TShinyanga and Dodoma, Tabora and Manyara both with less than 0.05% 0.1% (Map 2.53).

Planted area per household was small in all cases less than a hectare (Map 2.52). The largest planted area per household was in Singida region (0.6 ha/household) followed by 0.3 ha/household in Rukwa and Kagera, rukwa and Kilimanjaro both recording about than 0.4 ha/household. The smallest planted areas under banana were in Manyara (0.1 ha/household).

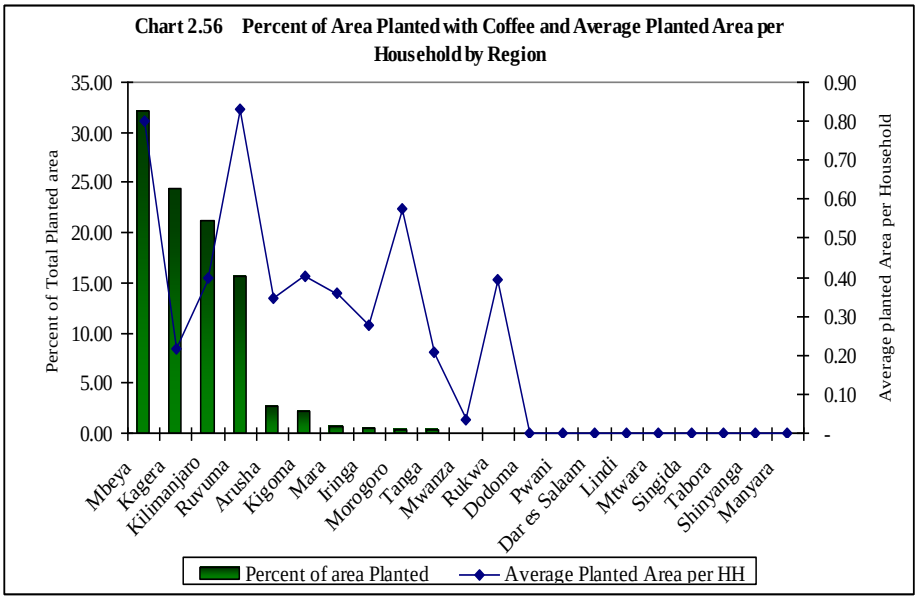

Map 2.52 TANZANIA
Planted Area (ha) and Yield (t/ha) of Banana by Region
Kagera
118,072h
15.8t/ha
L. Victoria
Mara
1,346ha
9.6t/ha
Mwanza
15.7t/h
650ha
2.0t/ha
Shinyanga
Arusha
8,939ha
7.4t/ha
Kilimanjaro
51,361ha
4.6t/ha
Kigoma
9,908ha
6.6t/ha
Tabora
439ha
2.1t/ha
Singida
1,450ha
84.4t/ha
Manyara
281ha
21.4t/ha
Tanga
11,412h
4.5t/ha
Zanzibar
15,913ha
6.7t/ha
Dodoma
500ha
8.7t/ha
Rukwa
2,747ha
7.8t/ha
Morogoro
10,770ha
4.9t/ha
DaresSalaam
1,080ha
3.8t/ha
Pwani
4,479ha
4.3t/ha
Mbeya
32,459ha
7.4t/ha
Iringa
2,894ha
4.5t/ha
Lindi 2,457ha
2.6t/ha
Ruvuma
8,119ha
8.9t/ha
590ha
Mtwara
Area planted with banana (ha)
96,000 - 120,000
72,000 - 96,000
48,000 - 72,000
24,000 - 48,000
0 - 24,000


Map 2.53 TANZANIA
Banana Planted Area as a Percentage of Total Land Area by Region
Kagera
41%
L. Victoria
Mara
0%
Mwanza
1%
Shinyanga
0%
Arusha
3%
Kilimanjaro
18%
Kigoma
3%
Tabora
0%
Singida
1%
Manyara
0%
Tanga
4%
Zanzibar
101%
Dodoma
0%
Rukwa
1%
Morogoro
%
DaresSalaam
0%
Pwani
3%
Mbeya
11%
Iringa
1%
Lindi
1%
Ruvuma
3%
0%
Mtwara
Area Planted per Banana growing household by Region
40 - 50
30 - 40
20 - 30
10 - 20
0 - 10


Map 2.54 TANZANIA
Planted Area per Banana
Growing Household by Region
Kagera
0.38
L. Victoria
Mara
0.24
Mwanza
0.5
Shinyanga 0.20
Arusha 0.28
Kilimanjaro
0.35
Kigoma
0.24
Tabora
0.11
Singida
0.62
Manyara
0.05
Tanga
0.28
Zanzibar
Dodoma
Rukwa
0.27
DaresSalaam
Morogoro
0.29
Pwani
0.24
Iringa
0.15
Mbeya
0.29
Lindi
0.30
Ruvuma
0.21
Mtwara
Planted area per banana
growing household (ha)
0.50+
0.40 - 050
0.30 - 0.40
0.20 - 0.30
0.00 - 0.20

2.6.5 Coffee

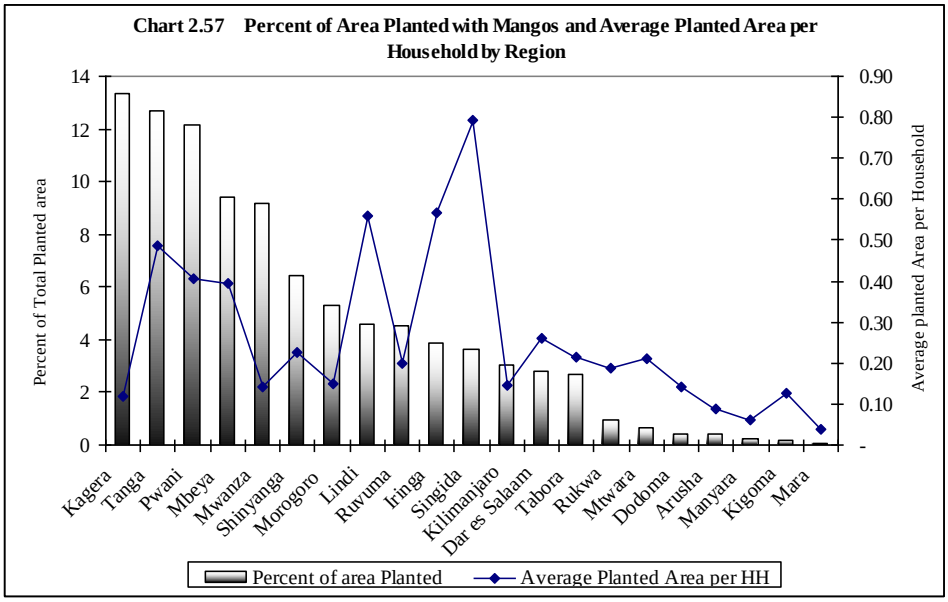
Coffee was produced in households in 12 out of 21 regions in the Mainland and in Zanzibar. The highest number of households growing coffee was found in Kagera (223,137) followed by Kilimanjaro (104,061), and Mbeya (79,175).



Coffee was also grown by a substantial number of households in Ruvuma (37,005), Arusha (15,736) as well as Kigoma (11,035). Based on percent area planted with coffee the leading regions are Mbeya, Kagera, Kilimanjaro and Ruvuma. Zanzibar contribution is minimal. (Chart 2.56 and Map 2.56). The average planted area was less than a hectare. Among the traditional coffee growing regions, the largest planted area was 0.8 ha/household in Mbeya and the smallest in Mwanza region (0.04 ha/household) in (Map 2.57).

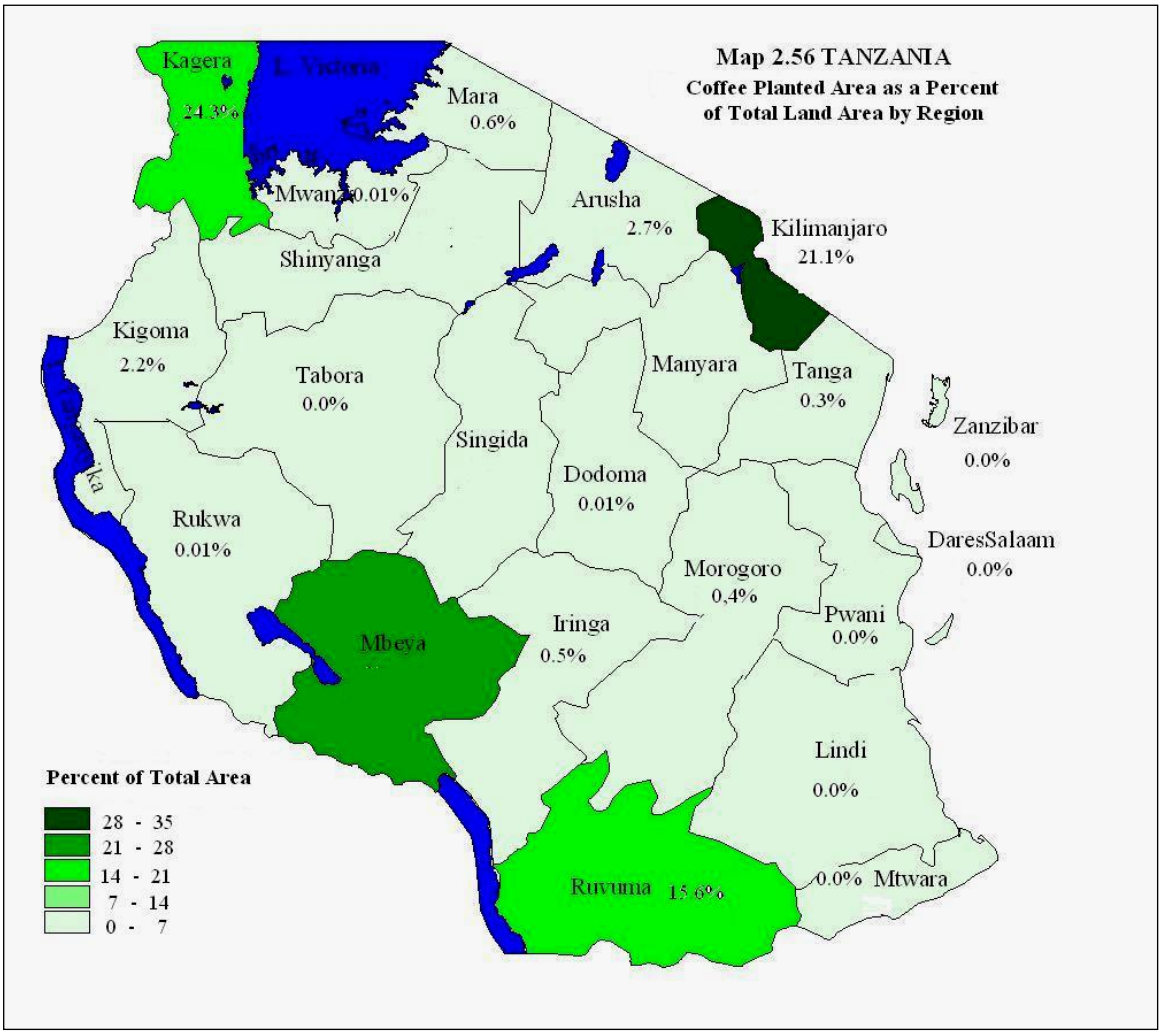
2.6.6 Mango

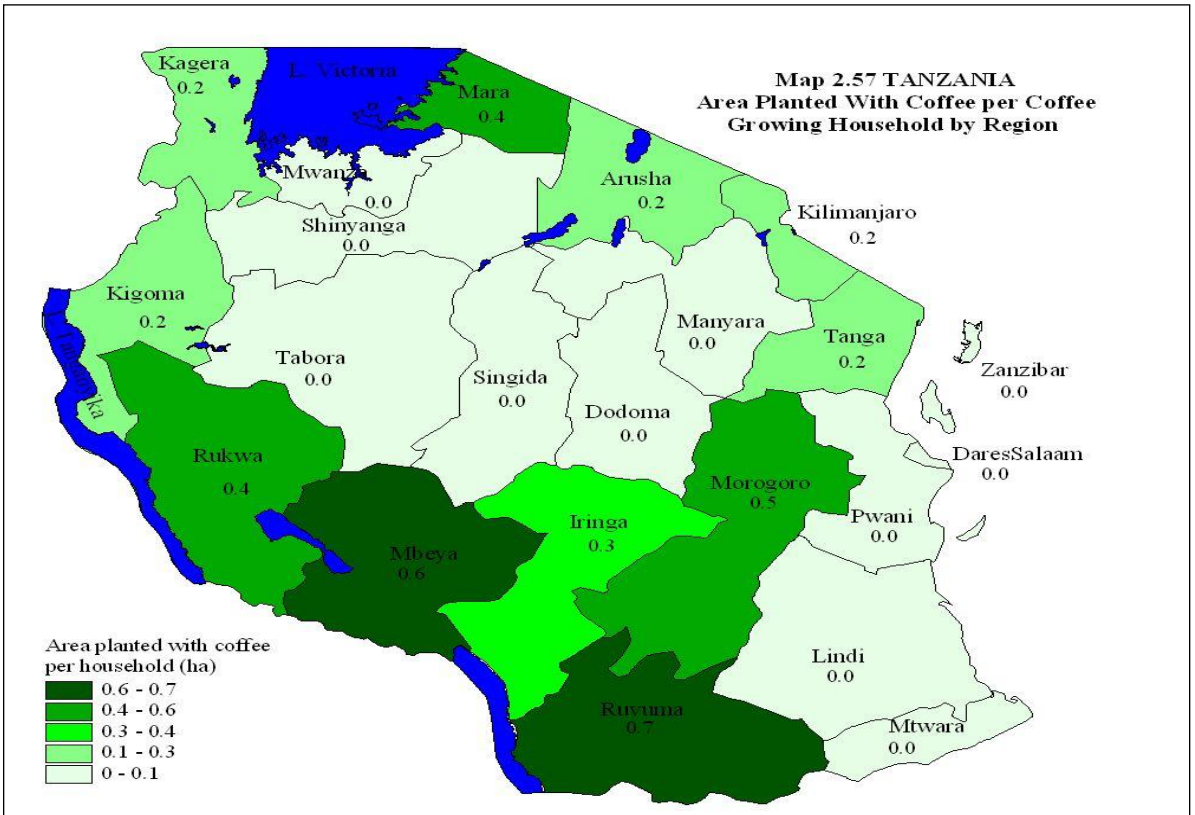
Mangoes are produced by smallholders in almost every region in Tanzania. A total of 286,365 households produced mangoes in a total area of 64,332 ha. The highest number of households involved in mango production were found in Kagera

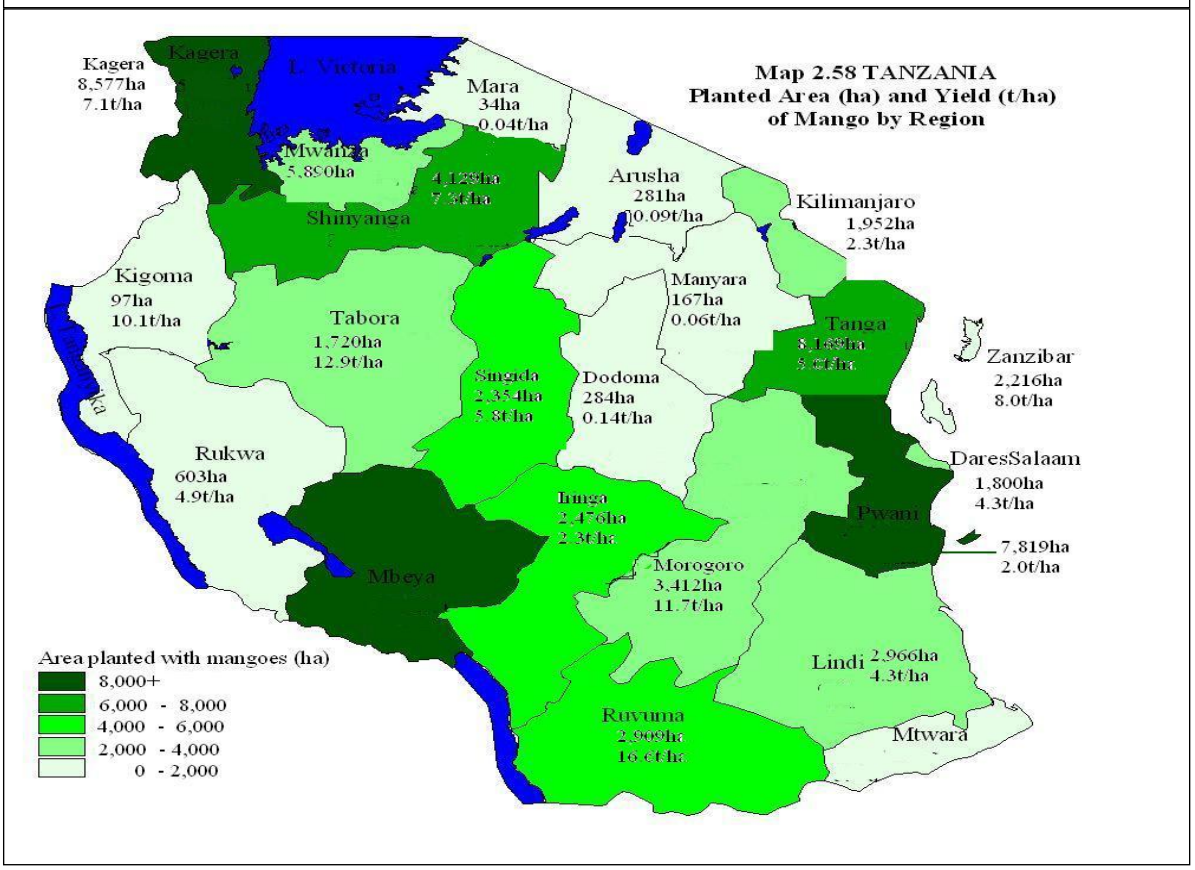


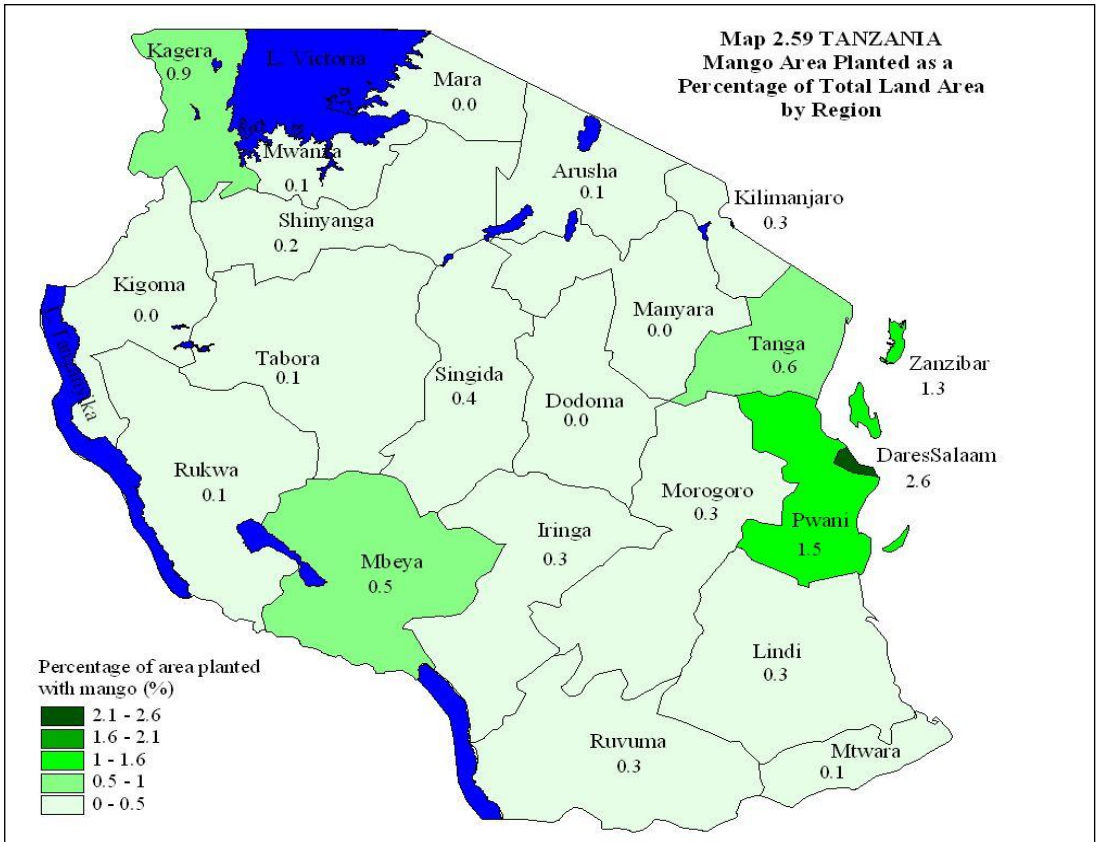
(71,304), Mwanza (41,459), and Morogoro (22,859) and Pwani (19,264). In terms of planted area and proportion of area under mangoes (Chart 2.57 and Maps 2.58 and 2.59), the leading regions were Tanga (8,577 ha, 13%, Kagera (8,169 ha, 13%), and Pwani (8,819 ha, 12%). All other regions in the Mainland and Zanzibar each accounted for less than 10% the planted area which was lowest in Manyara region (0.01%).

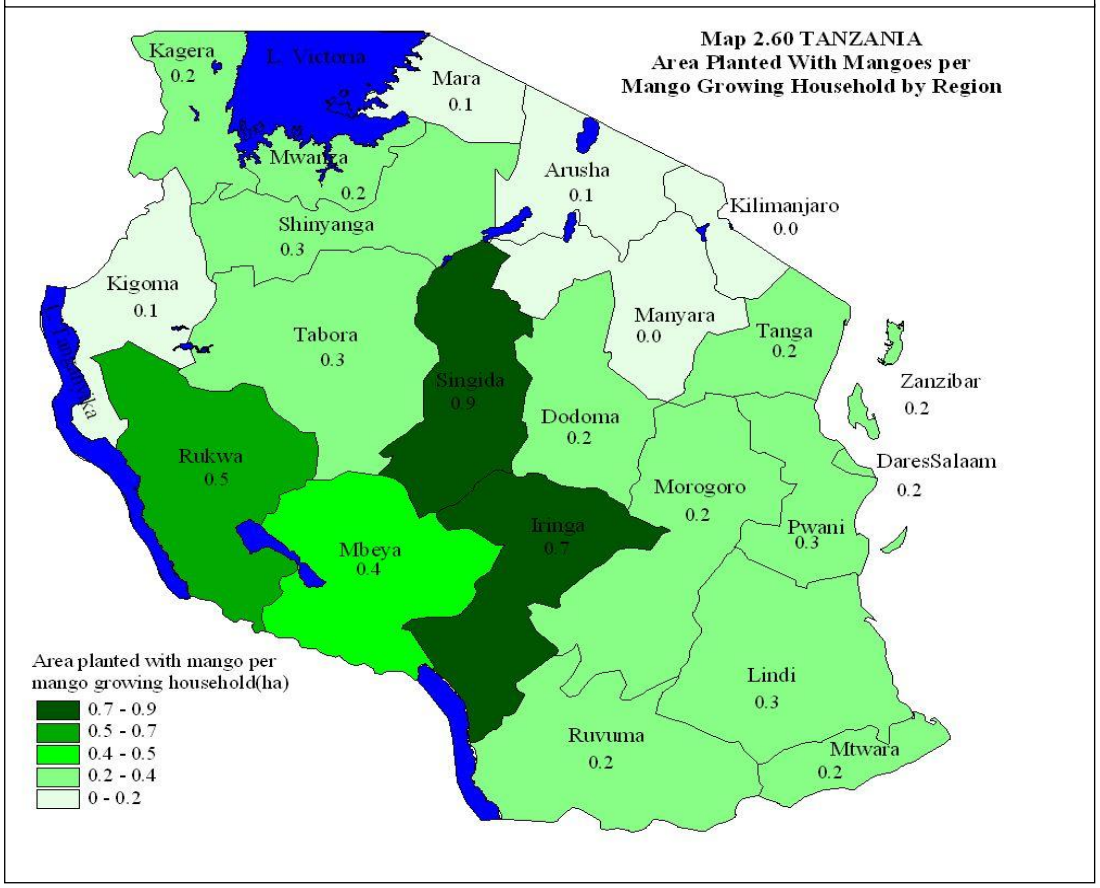
Planted area per household were generally small in most cases below 0.5 ha/household except in Dar es Salaam (2.6 ha/household) in the Mainland and in Zanzibar (1.3 ha/household). The smallest planted area per household (0.1 ha) were in Rukwa, mbeya, Arusha, mtwara and Tabora (Map 2.60).



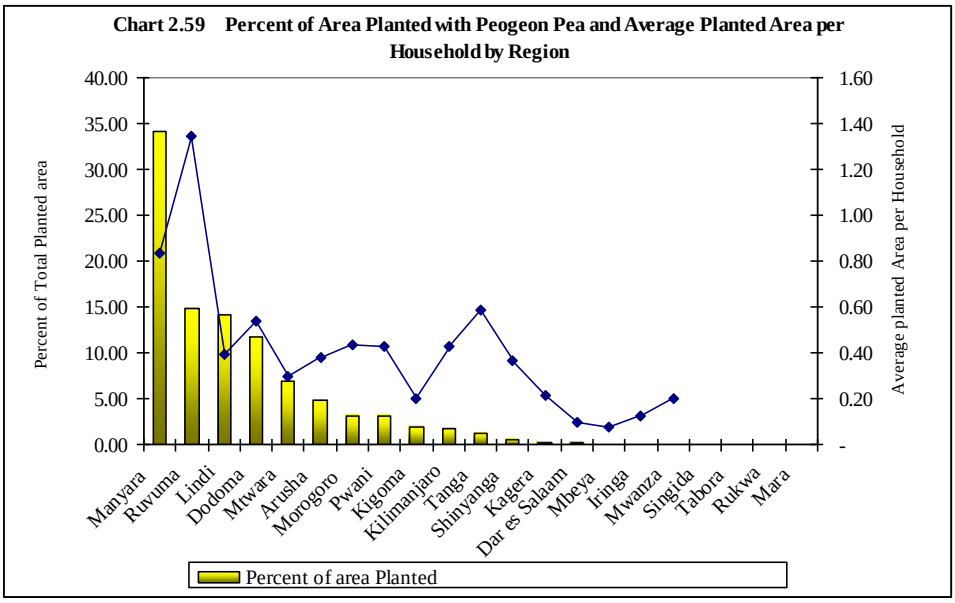

Map 2.57 TANZANIA
Area Planted With Coffee per Coffee Growing Household by Region
Kagera 0.2
L. Victoria
Mara 0.4
Mwanza 0.0
Shinyanga 0.0
Arusha 0.2
Kilimanjaro 0.2
Kigoma 0.2
Tabora 0.0
Singida 0.0
Manyara 0.0
Tanga 0.2
Zanzibar 0.0
Dodoma 0.0
DaresSalaam 0.0
Rukwa 0.4
Morogoro 0.5
Pwani 0.0
Iringa 0.3
Mbeya 0.6
Lindi 0.0
Ruvuma 0.7
Mtwara 0.0
Area planted with coffee per household (ha)
0.6 - 0.7
0.4 - 0.6
0.3 - 0.4
0.1 - 0.3
0 - 0.1


Map 2.58 TANZANIA
Planted Area (ha) and Yield (t/ha) of Mango by Region
Kagera 8,577ha 7.1t/ha
L. Victoria
Mara 34ha 0.04t/ha
Mwanza 5,890ha
Shinyanga
Arusha 281ha 0.09t/ha
Kilimanjaro 1,952ha 2.3t/ha
Kigoma 97ha 10.1t/ha
Tabora 1,720ha 12.9t/ha
Manyara 167ha 0.06t/ha
Tanga
Zanzibar 2,216ha 8.0t/ha
Singida 2,354ha 5.8t/ha
Dodoma 284ha 0.14t/ha
Rukwa 603ha 4.9t/ha
DaresSalaam 1,800ha 4.3t/ha
Iringa 2,476ha 2.3t/ha
Pwani
7,819ha 2.0t/ha
Mbeya
Morogoro 3,412ha 11.7t/ha
Lindi 2,966ha 4.3t/ha
Ruvuma 2,909ha
Mtwara
Area planted with mangoes (ha)
8,000+
6,000 - 8,000
4,000 - 6,000
2,000 - 4,000
0 - 2,000


Map 2.59 TANZANIA
Mango Area Planted as a
Percentage of Total Land Area
by Region
Kagera
0.9
L. Victoria
Mara
0.0
Mwanza
0.1
Arusha
0.1
Kilimanjaro
0.3
Shinyanga
0.2
Kigoma
0.0
Manyara
0.0
Tanga
0.6
Zanzibar
1.3
Tabora
0.1
Singida
0.4
Dodoma
0.0
DaresSalaam
2.6
Rukwa
0.1
Morogoro
0.3
Pwani
1.5
Iringa
0.3
Mbeya
0.5
Lindi
0.3
Ruvuma
0.3
Mtwara
0.1
Percentage of area planted
with mango (%)
2.1 - 2.6
1.6 - 2.1
1 - 1.6
0.5 - 1
0 - 0.5


Map 2.60 TANZANIA
Area Planted With Mangoes per
Mango Growing Household by Region
Kagera
0.2
L. Victoria
Mara
0.1
Mwanza
0.2
Arusha
0.1
Kilimanjaro
0.0
Shinyanga
0.3
Kigoma
0.1
Manyara
0.0
Tanga
0.2
Zanzibar
0.2
Tabora
0.3
Singida
0.9
Dodoma
0.2
DaresSalaam
0.2
Rukwa
0.5
Morogoro
0.2
Pwani
0.3
Iringa
0.7
Mbeya
0.4
Lindi
0.3
Ruvuma
0.2
Mtwara
0.2
Area planted with mango per
mango growing household(ha)
0.7 - 0.9
0.5 - 0.7
0.4 - 0.5
0.2 - 0.4
0 - 0.2

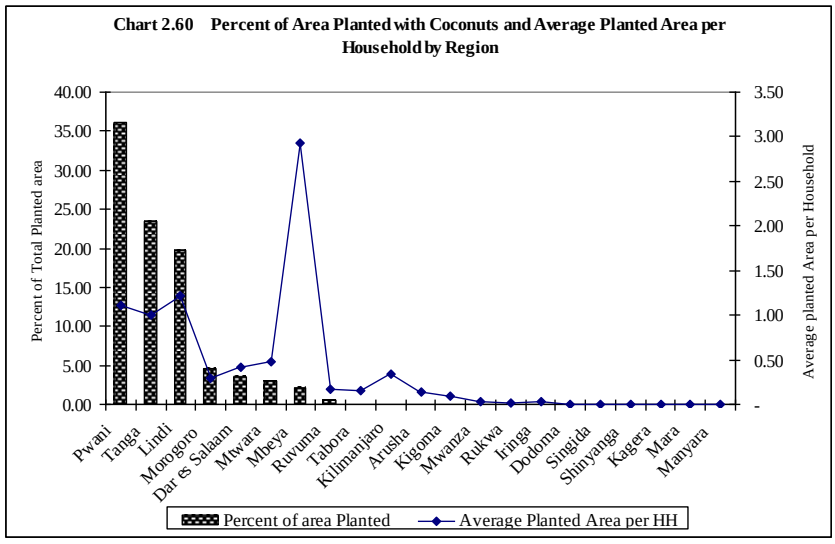
2.6.7 Pigeon peas



A total of 112,362 ha were grown to pigeon peas by a total of 209,299 households (Chart 2.59). The crop was mostly grown in Manyara (Maps 2.61 and 2.62) region which had the largest planted area (38,404 ha, 34% of the total area planted with pigeon peas) followed by Ruvuma (16,685, 15%), Lindi (15,862, 14%) and Dodoma (13,156 ha, 11%). Similarly, the highest number of households involved in pigeon pea production were 46,171 in Manyara, followed by 40,405 in Lindi, and 25,913 in Mtwara.

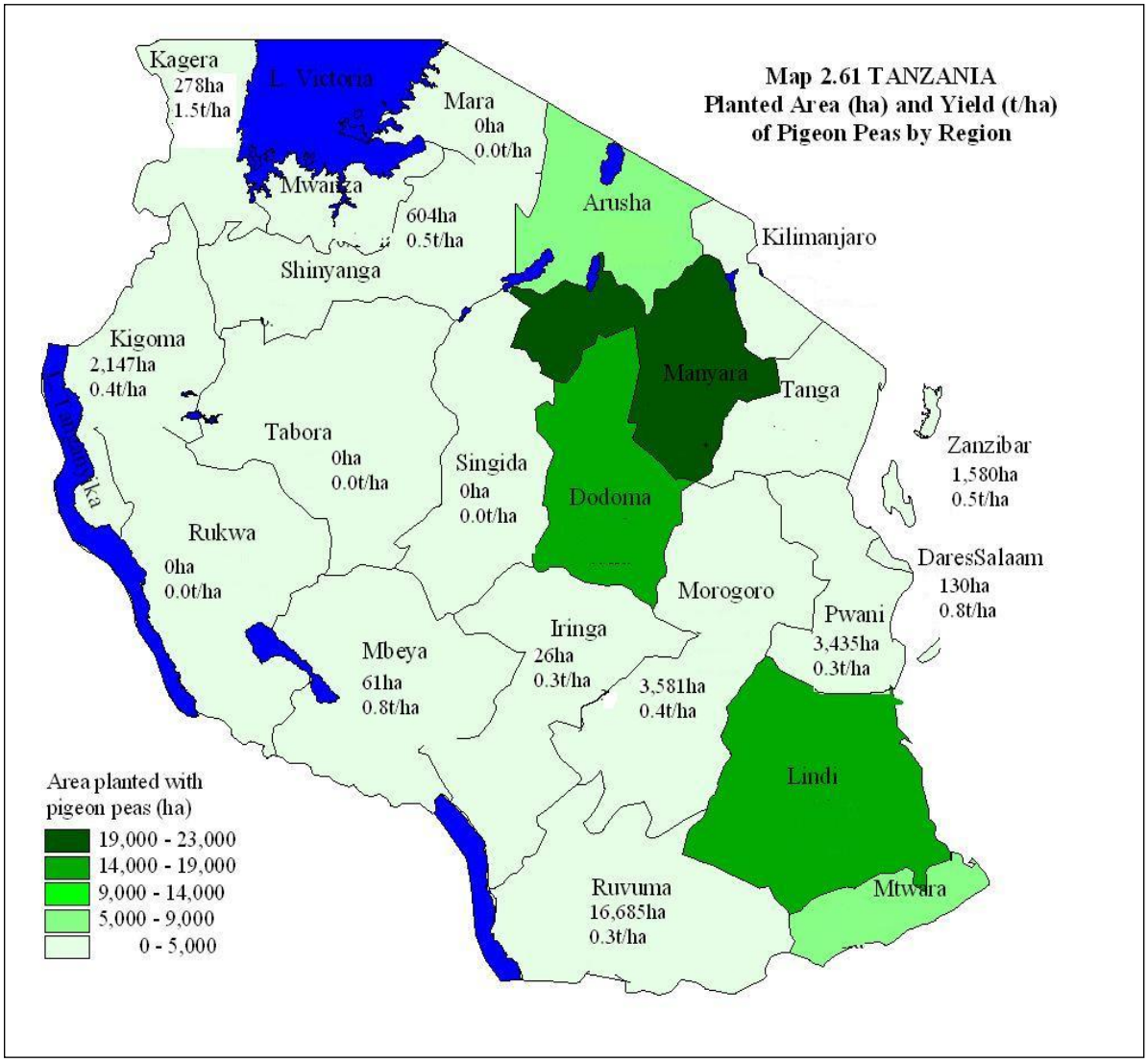
Kagera was the only region with yields just slightly above a ton (1 t/ha) while in all other regions in the Mainland and Zanzibar, pigeon pea productivity (Map 2.63) was consistently less than 1 ton/ha and was lowest in Mwanza (0.1 t/ha). On the other hand, no pigeon peas were grown in Singida, Tabora, Rukwa, and Mara regions

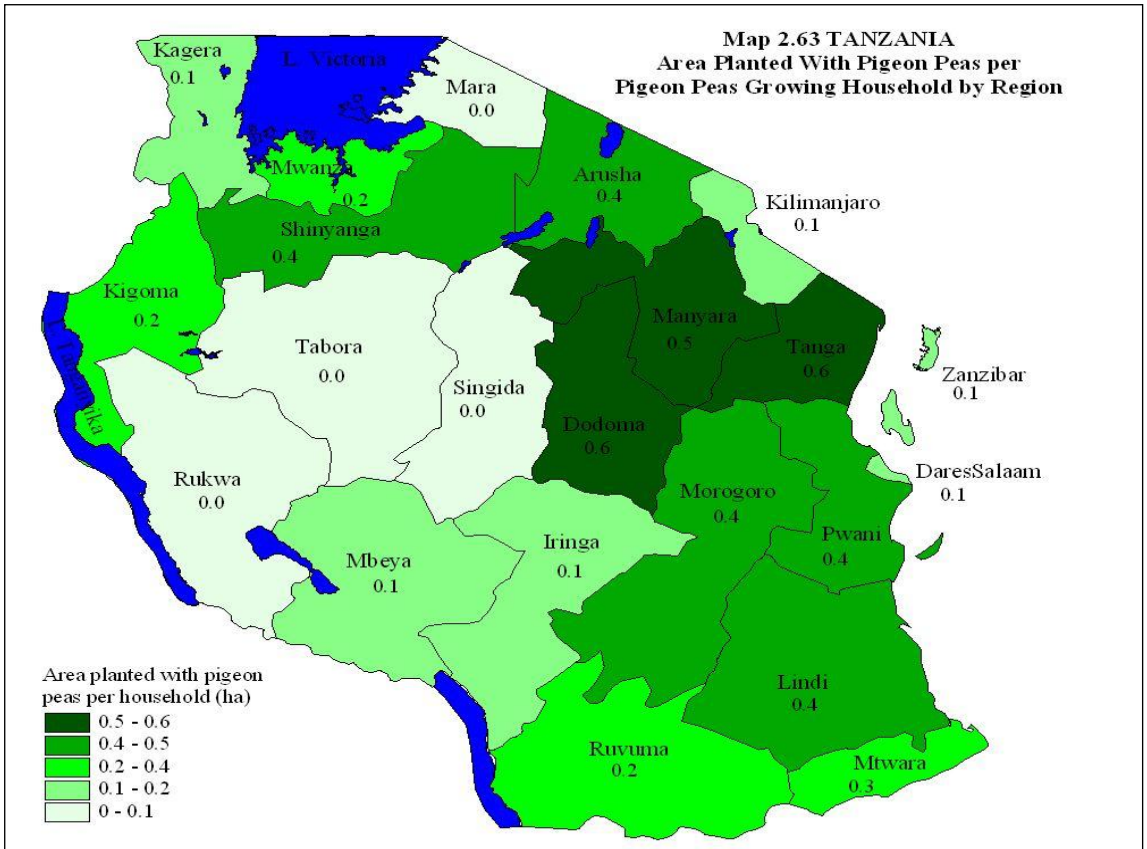
2.6.8 Coconuts

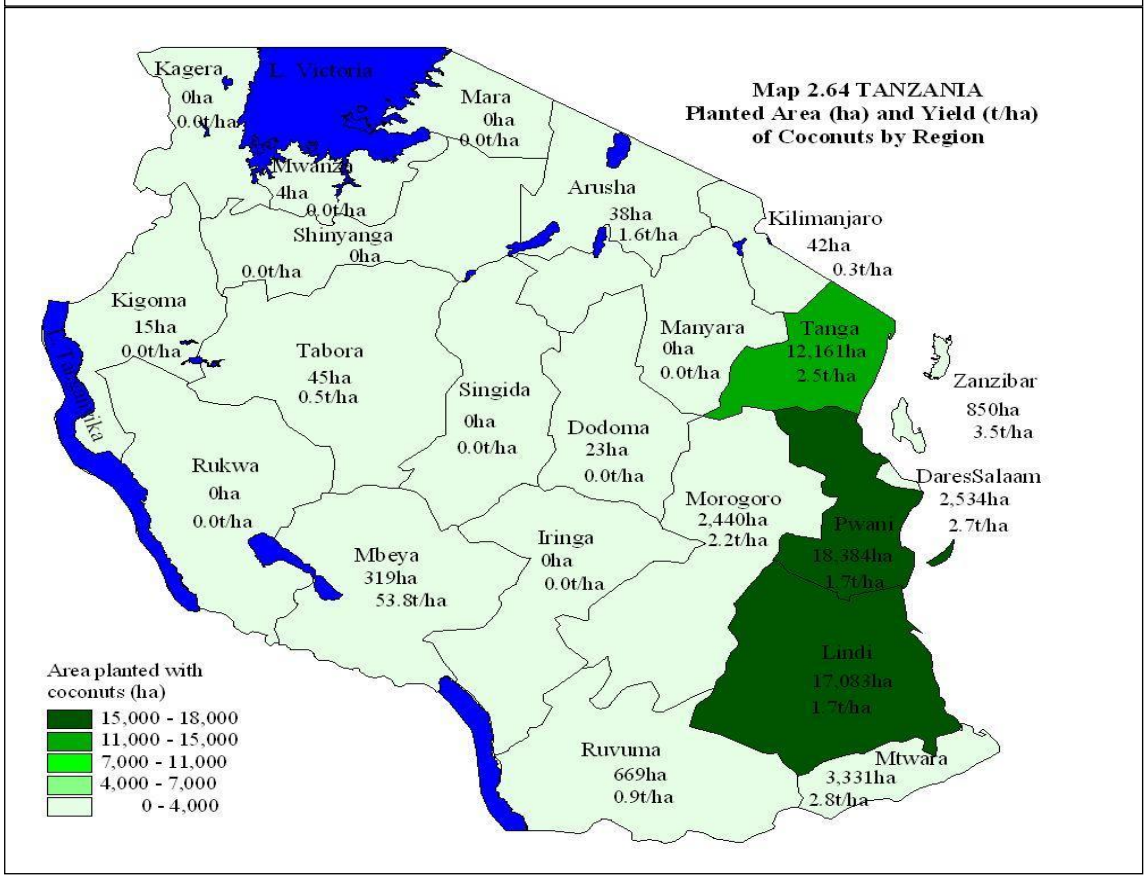


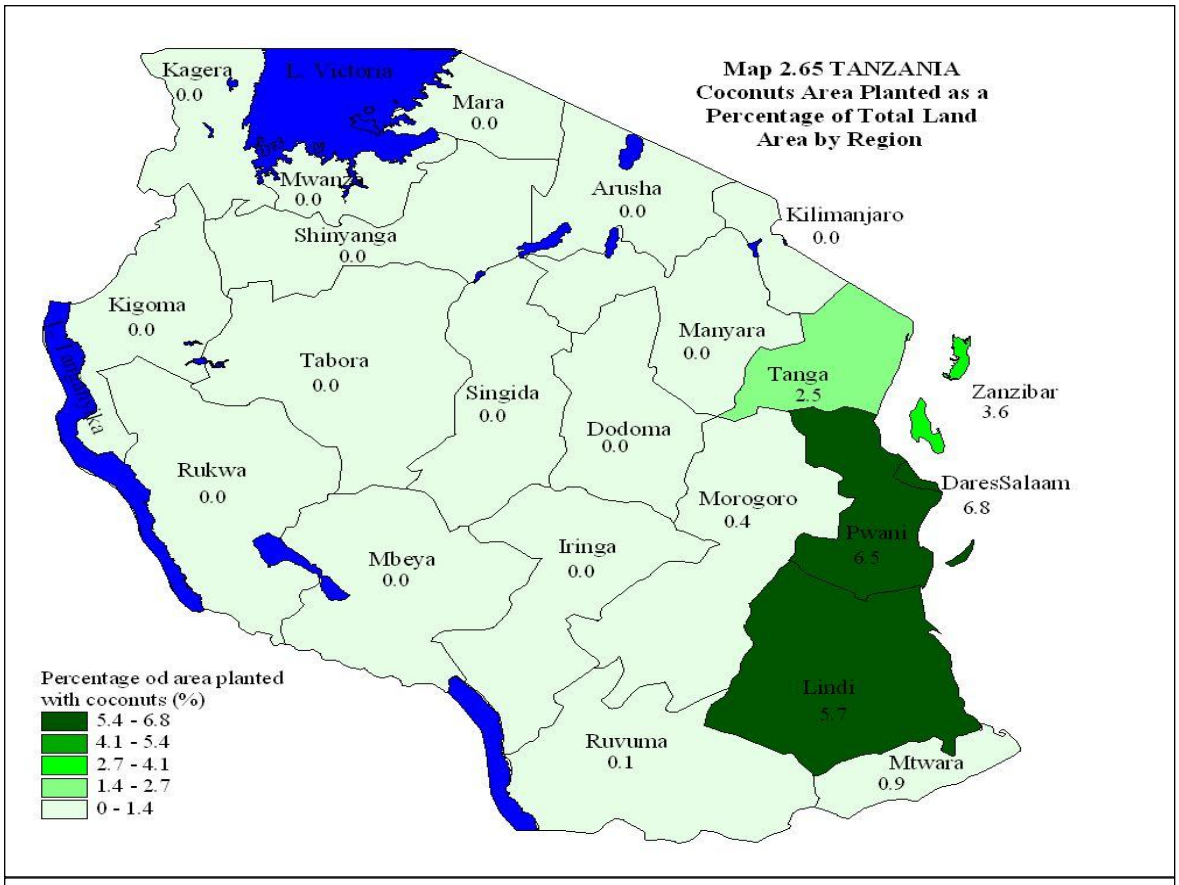
Coconut production is mainly along the coast on the eastern of the country with Pwani having the largest area and highest proportion of the area planted with coconuts (38,707 households, 36% of the total area planted with coconut) followed closely by Tanga

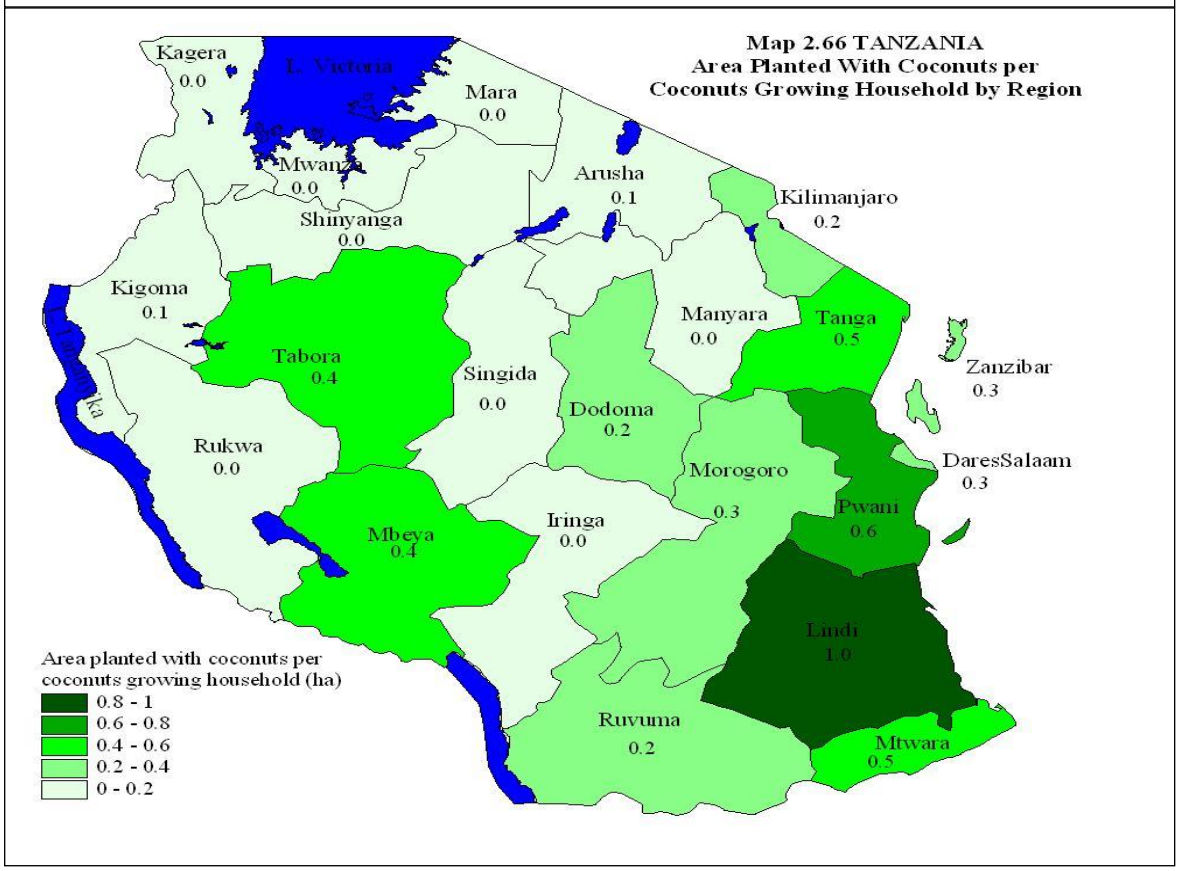
(28,085 households, 23%), and Lindi (19,519 ha, 20%) (Chart 2.60 and Maps 2.64 and 2.65). In the main coconut production areas, yields were 1.94 t/ha in Zanzibar; between 2.2 and 2.8 t/ha in Morogoro, Tanga, Dar es Salaam and Mtwara regions and declined to the lowest level (0.3 t/ha) in Tabora region (Map 2.64). Planted area per household (Map 2.66) was as small as 0.1 ha/household in Kigoma and Arusha to the highest level in Mbeya (3 ha/household).



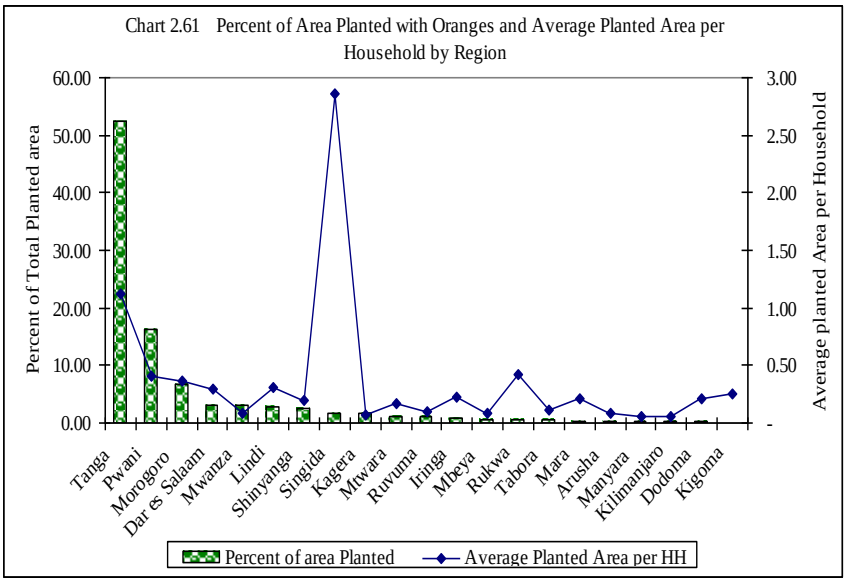

Map 2.63 TANZANIA
Area Planted With Pigeon Peas per
Pigeon Peas Growing Household by Region
Kagera
0.1
L. Victoria
Mara
0.0
Mwanza
0.2
Arusha
0.4
Kilimanjaro
0.1
Shinyanga
0.4
Kigoma
0.2
Manyara
0.5
Tanga
0.6
Zanzibar
0.1
Tabora
0.0
Singida
0.0
Dodoma
0.6
DaresSalaam
0.1
Rukwa
0.0
Morogoro
0.4
Pwani
0.4
Iringa
0.1
Mbeya
0.1
Lindi
0.4
Ruvuma
0.2
Mtwara
0.3
Area planted with pigeon
peas per household (ha)
0.5 - 0.6
0.4 - 0.5
0.2 - 0.4
0.1 - 0.2
0 - 0.1


Map 2.64 TANZANIA
Planted Area (ha) and Yield (t/ha)
of Coconuts by Region
Kagera
0ha
0.0t/ha
L. Victoria
Mara
0ha
0.0t/ha
Mwanza
4ha
0.0t/ha
Arusha
38ha
1.6t/ha
Kilimanjaro
42ha
0.3t/ha
Shinyanga
0ha
0.0t/ha
Kigoma
15ha
0.0t/ha
Manyara
0ha
0.0t/ha
Tanga
12,161ha
2.5t/ha
Zanzibar
850ha
3.5t/ha
Tabora
45ha
0.5t/ha
Singida
0ha
0.0t/ha
Dodoma
23ha
0.0t/ha
DaresSalaam
2,534ha
2.7t/ha
Rukwa
0ha
0.0t/ha
Morogoro
2,440ha
2.2t/ha
Pwani
18,384ha
1.7t/ha
Iringa
0ha
0.0t/ha
Mbeya
319ha
53.8t/ha
Lindi
17,083ha
1.7t/ha
Ruvuma
669ha
0.9t/ha
Mtwara
3,331ha
2.8t/ha
Area planted with
coconuts (ha)
15,000 - 18,000
11,000 - 15,000
7,000 - 11,000
4,000 - 7,000
0 - 4,000


Map 2.65 TANZANIA
Coconuts Area Planted as a Percentage of Total Land Area by Region
Kagera 0.0
L. Victoria
Mara 0.0
Mwanza 0.0
Shinyanga 0.0
Arusha 0.0
Kilimanjaro 0.0
Kigoma 0.0
Tabora 0.0
Singida 0.0
Manyara 0.0
Tanga 2.5
Zanzibar 3.6
Dodoma 0.0
Rukwa 0.0
Morogoro 0.4
DaresSalaam 6.8
Pwani 6.5
Mbeya 0.0
Iringa 0.0
Lindi 5.7
Ruvuma 0.1
Mtwara 0.9
Percentage od area planted with coconuts (%)
5.4 - 6.8
4.1 - 5.4
2.7 - 4.1
1.4 - 2.7
0 - 1.4


Map 2.66 TANZANIA
Area Planted With Coconuts per Coconuts Growing Household by Region
Kagera 0.0
L. Victoria
Mara 0.0
Mwanza 0.0
Shinyanga 0.0
Arusha 0.1
Kilimanjaro 0.2
Kigoma 0.1
Tabora 0.4
Singida 0.0
Manyara 0.0
Tanga 0.5
Zanzibar 0.3
Dodoma 0.2
Rukwa 0.0
Morogoro 0.3
DaresSalaam 0.3
Pwani 0.6
Mbeya 0.4
Iringa 0.0
Lindi 1.0
Ruvuma 0.2
Mtwara 0.5
Area planted with coconuts per coconuts growing household (ha)
0.8 - 1
0.6 - 0.8
0.4 - 0.6
0.2 - 0.4
0 - 0.2

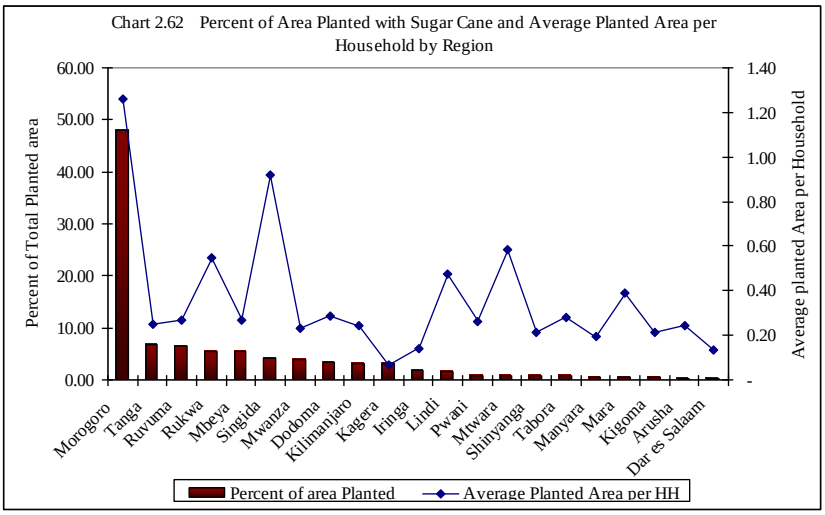
3.7.9 Oranges



The total area planted with oranges was 67,950 ha and the crop was grown by 175,460 households. In general, orange production in the country is largely concentrated in the North East Coast of Mainland Tanzania (Chart 2.61 and Map 2.67) with Tanga having 52% of total planted area equivalent to 35,640 ha followed by Pwani with 16% or 11,123 ha. In other production areas, planted areas were much smaller whereby Morogoro (4,582 ha, 7), and Dar es Salaam (2,075 ha, 3%) were the other production regions with relatively large areas under orange production (Chart 2.61 and Map 2.67). Planted areas were much smaller in all other regions with Kigoma 66ha (0.01% of total planted area) recording the smallest planted area.

Planted area per household was generally smaller than a hectare in the Mainland and was 1.12 ha in Tanga, 2.85 ha in Singida. Other regiond had Planted Area per household less than on hectare (Map 2.69).

2.6.10 Sugar cane

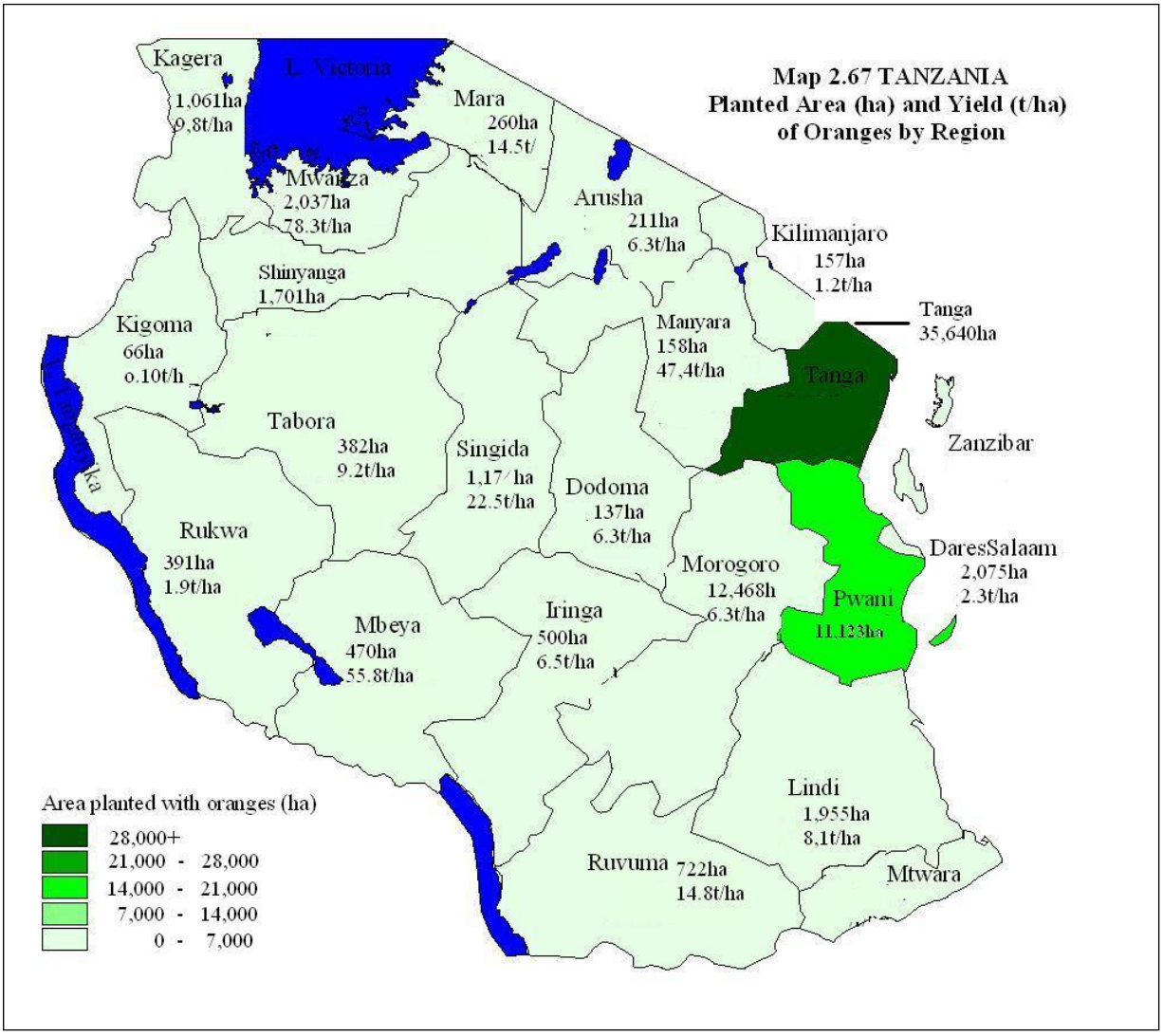


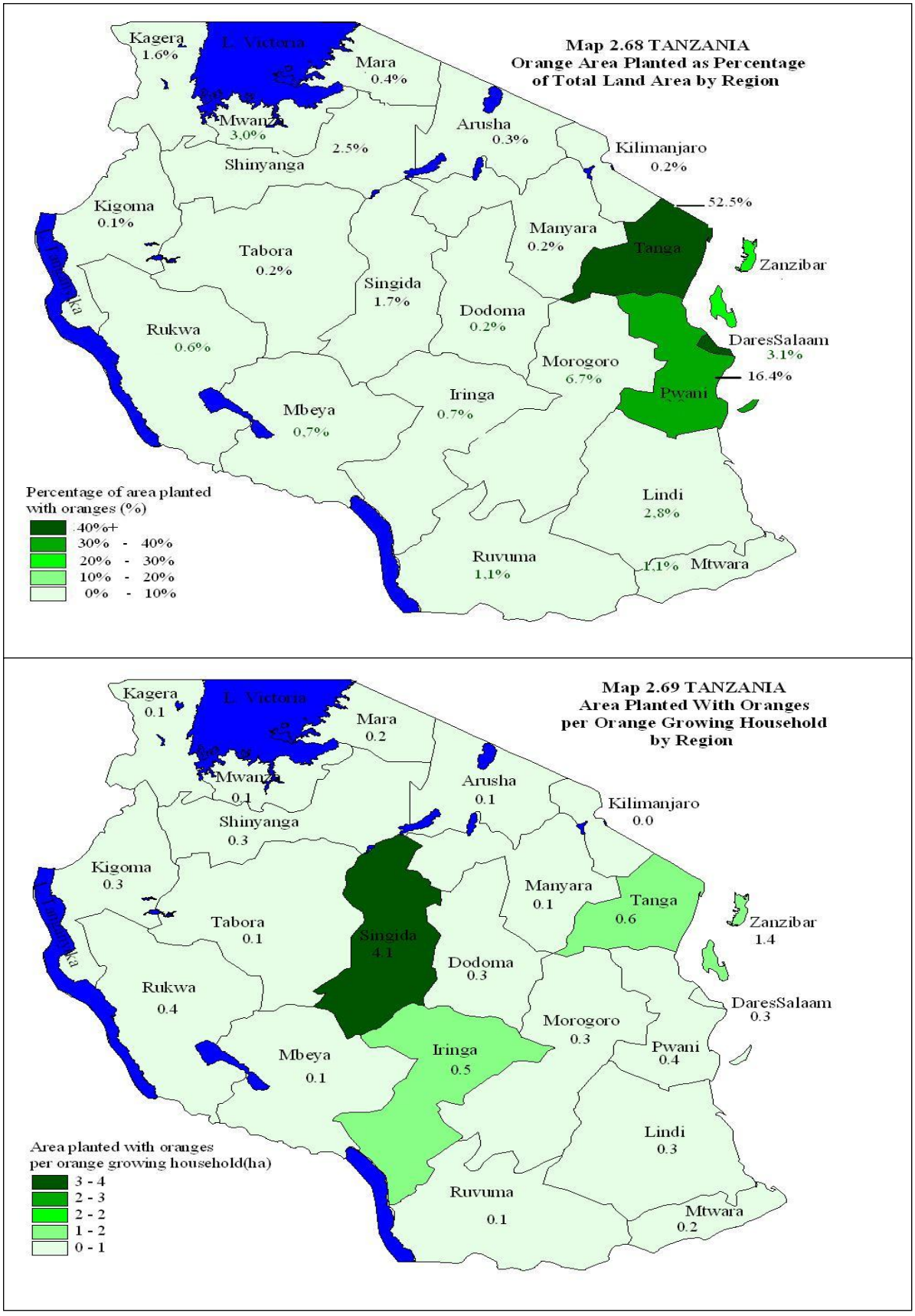
Sugar cane was grown by 64,362 households over a total area of 225,436 ha. The crop was largely produced in Morogoro, with a planted area of 12,215 ha or 48 percent of the total area grown to sugar cane. This was followed by Ruvuma and Tanga, each having 1,750

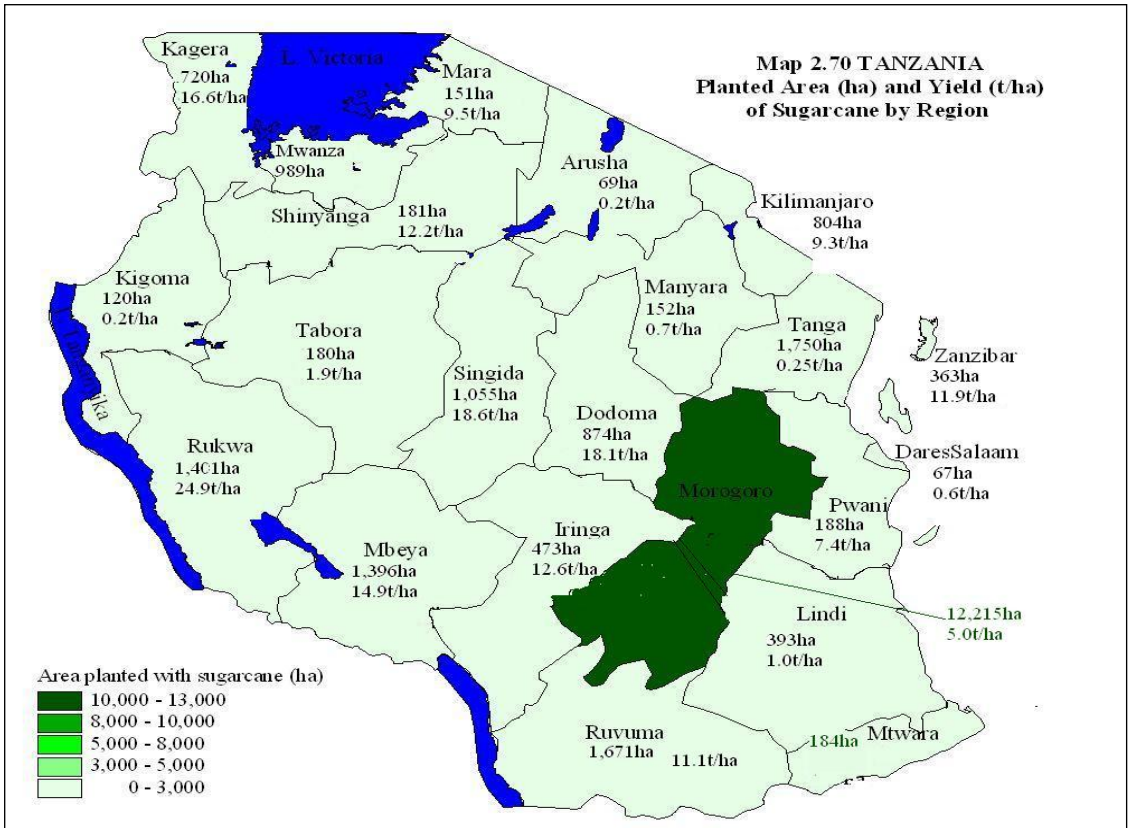
ha (7%) grown to sugar cane, respectively (Chart 2.62 and Map 2.70).

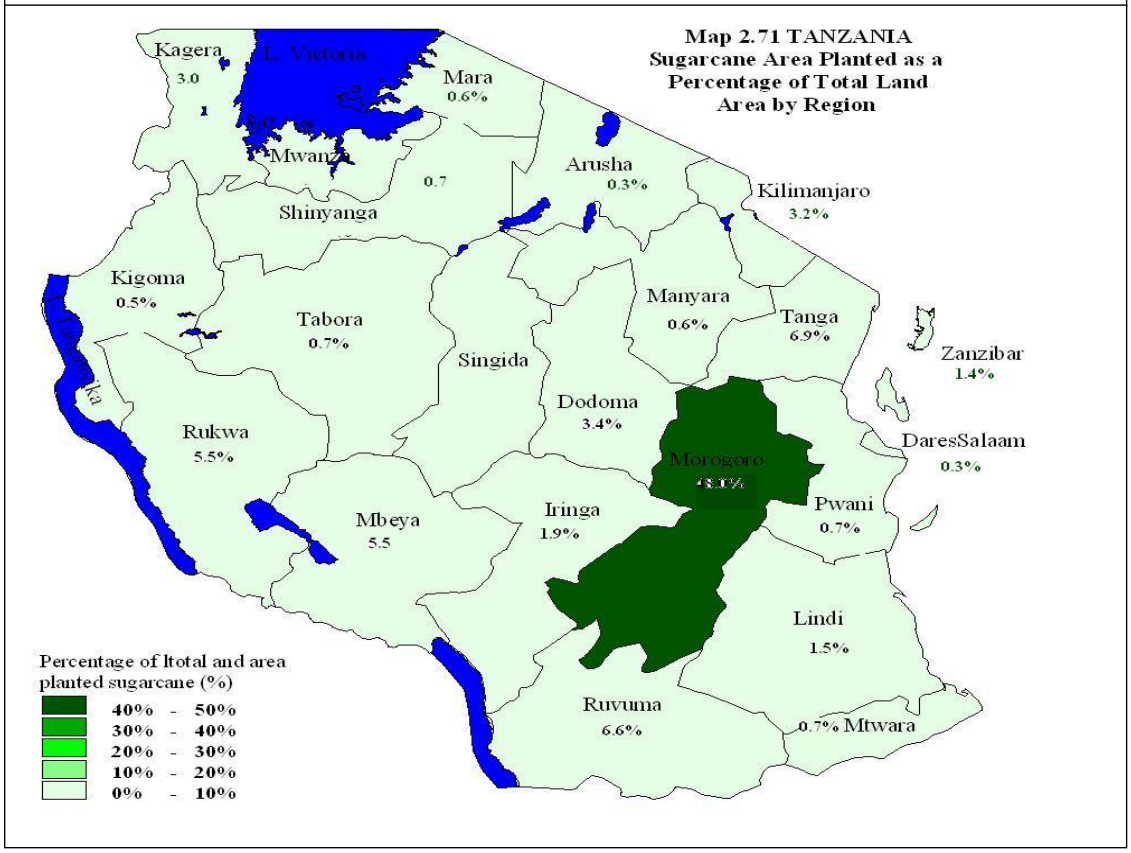
Sugarcane yields in the major growing regions were 5 t/ha in Morogoro, 11 t/ha in Ruvuma and 11.8 t/ha in Tanga (Map 2.70). However, much higher yields were recorded in the minor growing regions such as Singida (19 t/ha), Rukwa (25 t/ha), Kagera (17 t/ha) and Mbeya (15 t/ha).

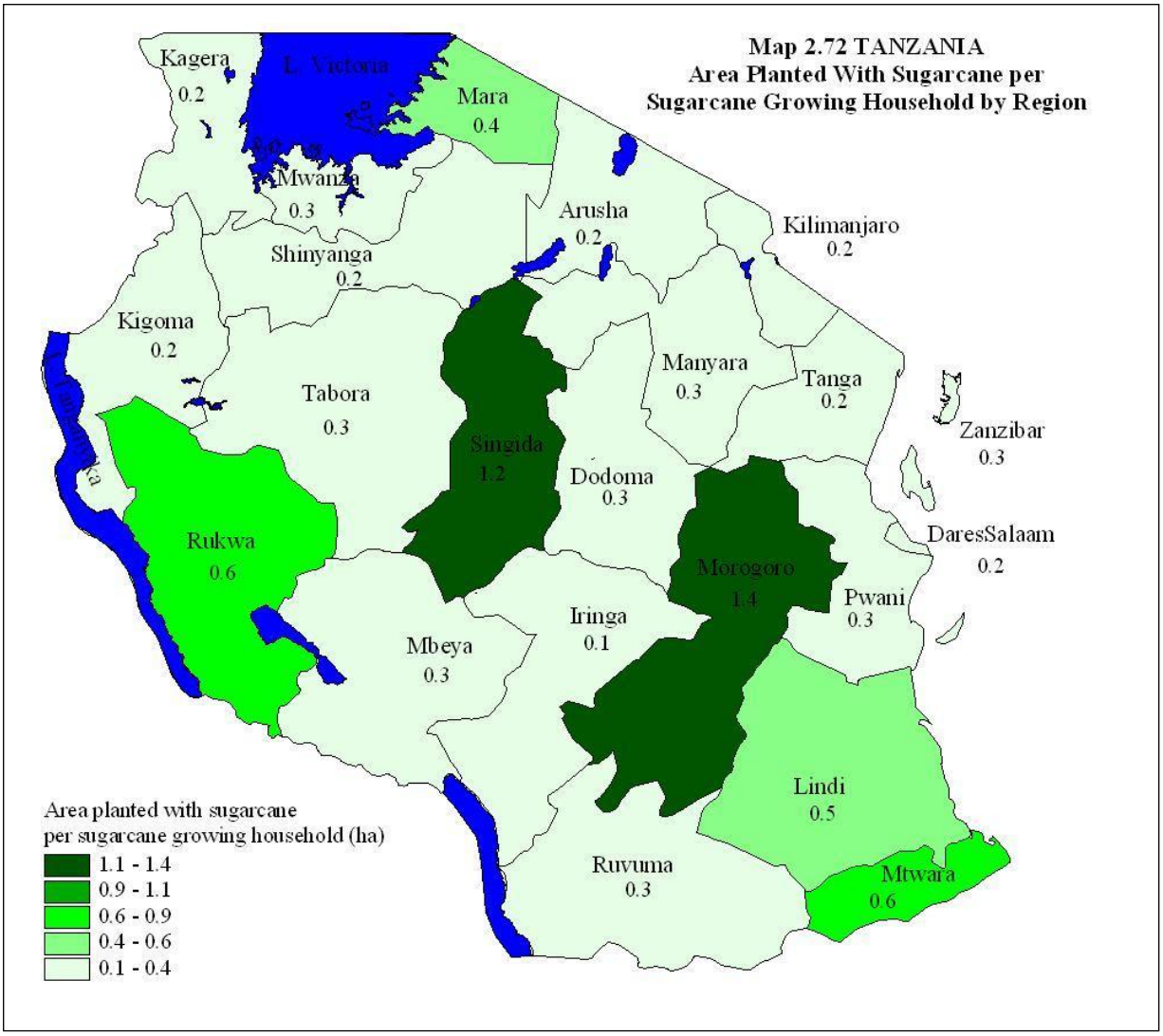
Planted area per household was generally lower than 1 ha with only Morogoro region recoding the highest which was (1.4 ha). In other regions in the Mainland, households planted an average 0.6 ha in each of Rukwa and Mtwara regions and 0.5 ha in Lindi region. In all other growing regions in the Mainland and in Zanzibar, individual households planted areas less than half a hectare (Map 2.72).




Map 2.68 TANZANIA
Orange Area Planted as Percentage of Total Land Area by Region
Kagera 1.6%
L. Victoria
Mara 0.4%
Mwanza 3,0%
2.5%
Shinyanga
Arusha 0.3%
Kilimanjaro 0.2%
52.5%
Kigoma 0.1%
Tabora 0.2%
Singida 1.7%
Manyara 0.2%
Tanga
Zanzibar
Dodoma 0.2%
Rukwa 0.6%
DaresSalaam 3.1%
Morogoro 6.7%
16.4%
Pwani
Iringa 0.7%
Mbeya 0,7%
Lindi 2,8%
Ruvuma 1,1%
1.1% Mtwara
Percentage of area planted with oranges (%)
40%+
30% - 40%
20% - 30%
10% - 20%
0% - 10%
Map 2.69 TANZANIA
Area Planted With Oranges per Orange Growing Household by Region
Kagera 0.1
L. Victoria
Mara 0.2
Mwanza 0.1
Shinyanga 0.3
Arusha 0.1
Kilimanjaro 0.0
Kigoma 0.3
Tabora 0.1
Singida 4.1
Manyara 0.1
Tanga 0.6
Zanzibar 1.4
Dodoma 0.3
Rukwa 0.4
DaresSalaam 0.3
Morogoro 0.3
Iringa 0.5
Mbeya 0.1
Pwani 0.4
Lindi 0.3
Ruvuma 0.1
Mtwara 0.2
Area planted with oranges per orange growing household(ha)
3 - 4
2 - 3
2 - 2
1 - 2
0 - 1


Map 2.70 TANZANIA
Planted Area (ha) and Yield (t/ha)
of Sugarcane by Region
Kagera
720ha
16.6t/ha
L. Victoria
Mara
151ha
9.5t/ha
Mwanza
989ha
Arusha
69ha
0.2t/ha
Kilimanjaro
804ha
9.3t/ha
Shinyanga
181ha
12.2t/ha
Kigoma
120ha
0.2t/ha
Tabora
180ha
1.9t/ha
Manyara
152ha
0.7t/ha
Tanga
1,750ha
0.25t/ha
Zanzibar
363ha
11.9t/ha
Singida
1,055ha
18.6t/ha
Dodoma
874ha
18.1t/ha
Rukwa
1,401ha
24.9t/ha
DaresSalaam
67ha
0.6t/ha
Morogoro
Pwani
188ha
7.4t/ha
Iringa
473ha
12.6t/ha
Mbeya
1,396ha
14.9t/ha
12,215ha
5.0t/ha
Lindi
393ha
1.0t/ha
Ruvuma
1,671ha
11.1t/ha
184ha
Mtwara
Area planted with sugarcane (ha)
10,000 - 13,000
8,000 - 10,000
5,000 - 8,000
3,000 - 5,000
0 - 3,000

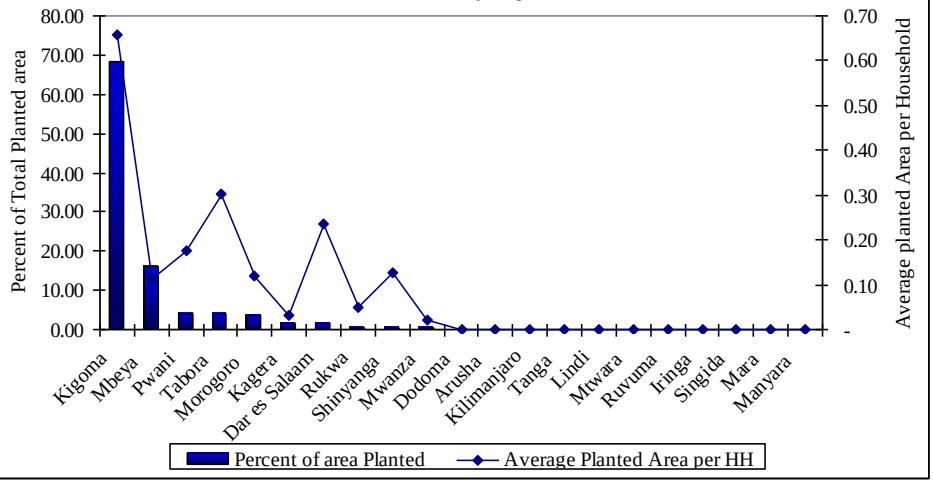

Map 2.71 TANZANIA
Sugarcane Area Planted as a
Percentage of Total Land
Area by Region
Kagera
3.0
L. Victoria
Mara
0.6%
Mwanza
0.7
Arusha
0.3%
Kilimanjaro
3.2%
Shinyanga
Kigoma
0.5%
Tabora
0.7%
Manyara
0.6%
Tanga
6.9%
Zanzibar
1.4%
Singida
Dodoma
3.4%
Rukwa
5.5%
DaresSalaam
0.3%
Morogoro
Pwani
0.7%
Iringa
1.9%
Mbeya
5.5
Lindi
1.5%
Ruvuma
6.6%
0.7%
Mtwara
Percentage of ltotal and area
planted sugarcane (%)
40% - 50%
30% - 40%
20% - 30%
10% - 20%
0% - 10%


Map 2.72 TANZANIA
Area Planted With Sugarcane per
Sugarcane Growing Household by Region
Kagera
0.2
L. Victoria
Mara
0.4
Mwanza
0.3
Arusha
0.2
Kilimanjaro
0.2
Shinyanga
0.2
Kigoma
0.2
Tabora
0.3
Manyara
0.3
Tanga
0.2
Zanzibar
0.3
Singida
1.2
Dodoma
0.3
DaresSalaam
0.2
Rukwa
0.6
Morogoro
1.4
Pwani
0.3
Iringa
0.1
Mbeya
0.3
Lindi
0.5
Ruvuma
0.3
Mtwara
0.6
Area planted with sugarcane
per sugarcane growing household (ha)
1.1 - 1.4
0.9 - 1.1
0.6 - 0.9
0.4 - 0.6
0.1 - 0.4

2.6.11 Oil Palm

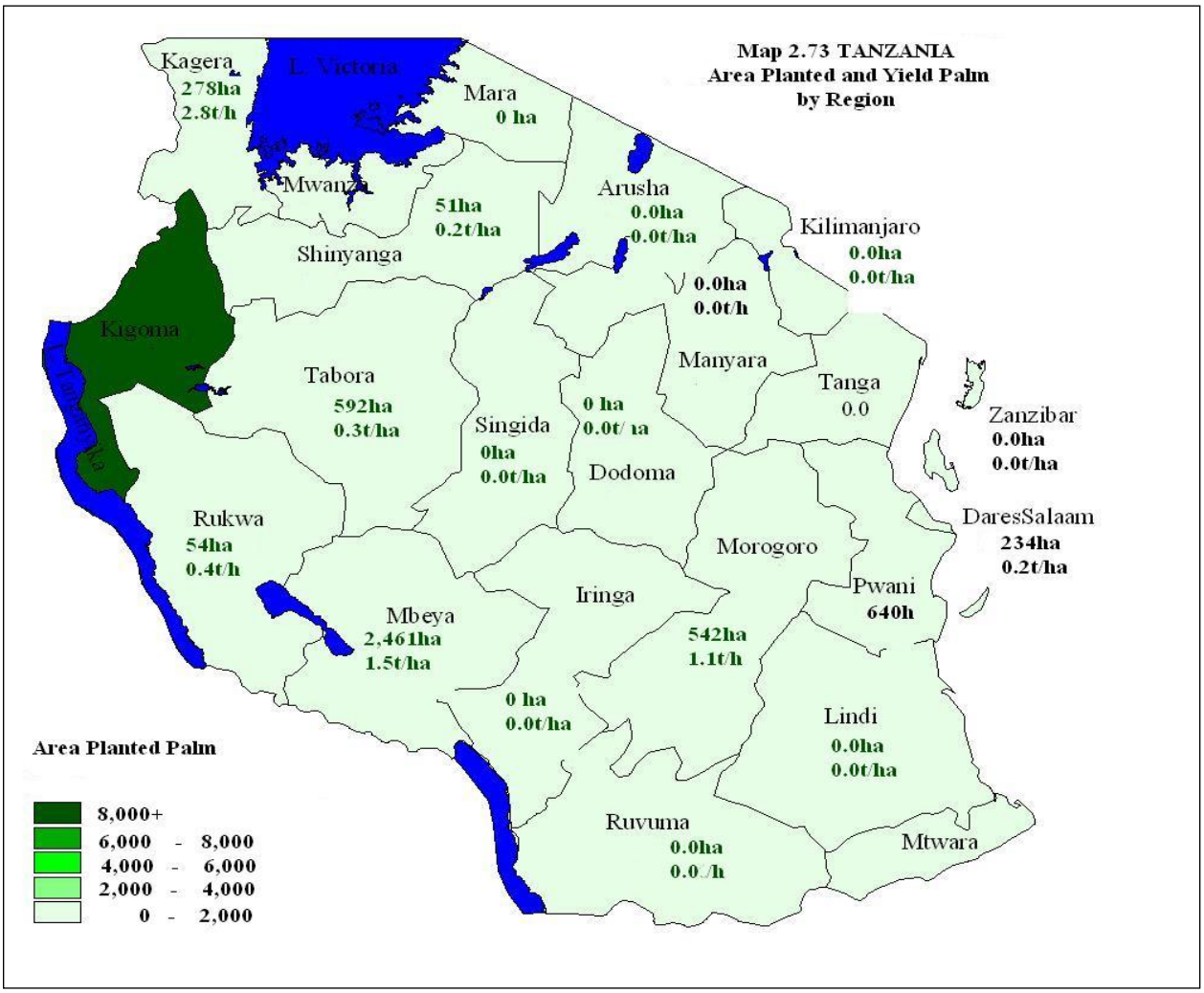
Oil palm was mainly grown by 15,944 households on a total of 10,545 ha in Kigoma region which was the single most important region for oil palm production in the country recording about 80.4% of total area planted with oil palm in the country. The planted area in Kigoma was almost five times the area under oil palm in Mbeya region, the second most important region for oil palm production in the country. In this region, a total of 1,004 ha (8.3%) was grown to oil palm by 22,070 households. Production of oil palm in other regions such as Tabora, Pwani, Morogoro, Dar es Salaam, Kagera and Shinyanga was at a relatively much lower level and generally insignificant. Production was not recorded in 14 regions in the Mainland and in Zanzibar (Chart 2.63 and Map 2.73).

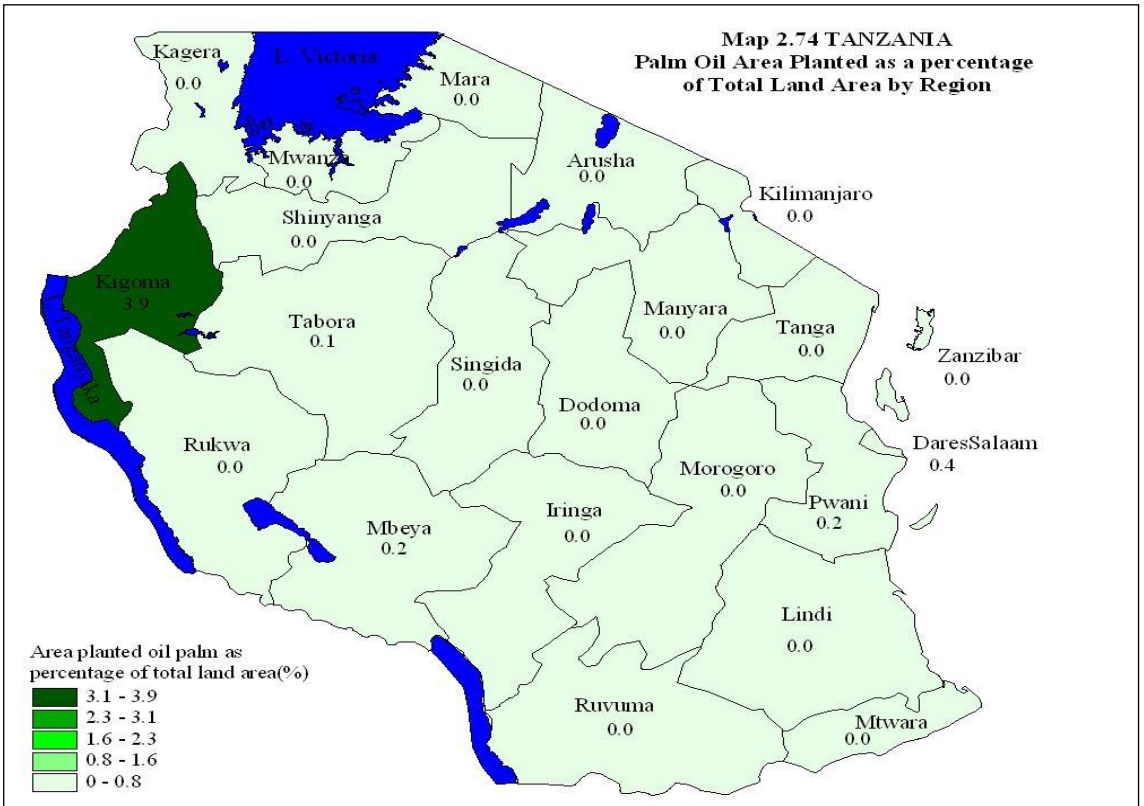
Chart 2.63 Percent of Area Planted with Oil Palm and Average Planted Area per Household by Region

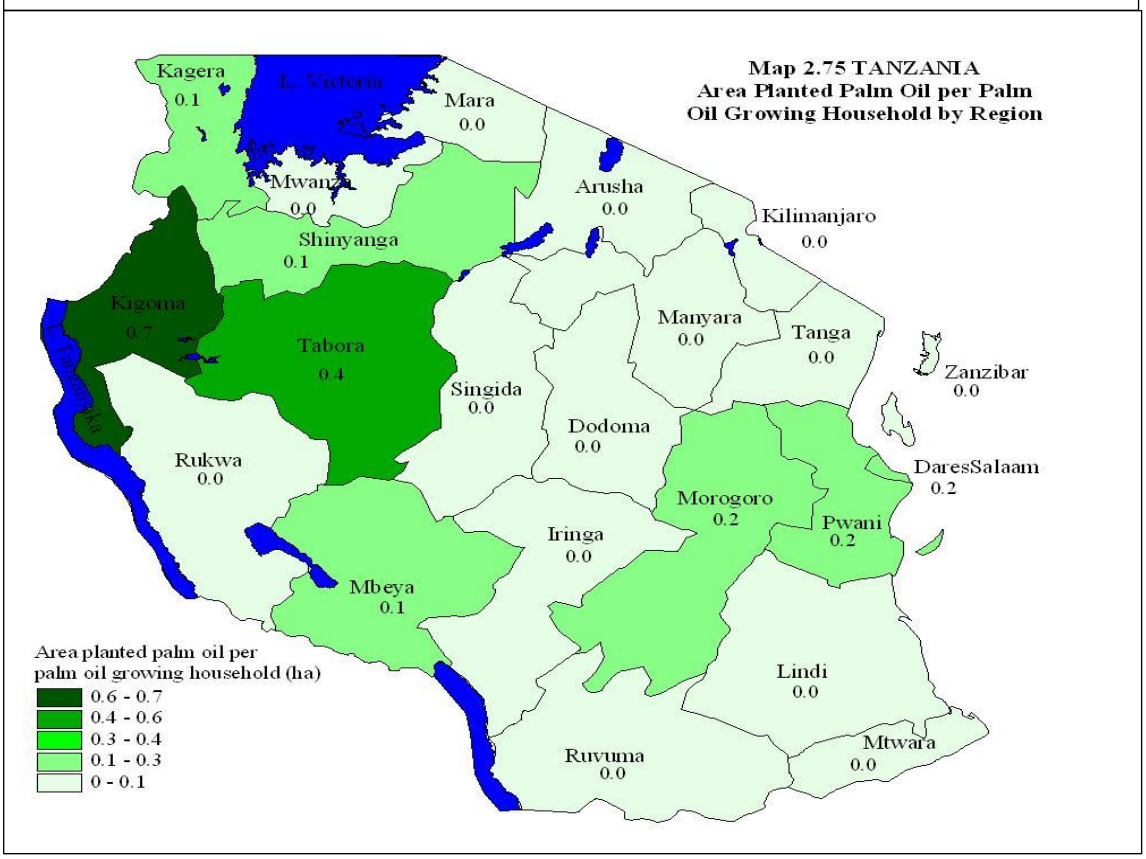


Oil palm yields in the major growing regions were 0.6 t/ha in Kigoma and 3.69 t/ha in Mbeya (Map 2.73). However, much higher yields were recorded in the minor production regions particularly in Kagera (9.4 t/ha), Mwanza (5.75 t/ha), Shinyanga (2 t/ha), Morogoro (2.68 t/ha) and Pwani (1.59 t/ha). Oil palm yields were lowest in Dar es Salaam region (0.27 t/ha).

Planted area per household (Map 2.75) was generally below one hectare and was highest in Kigoma region (0.66 ha) followed by Tabora (0.3 ha). In other regions in the Mainland, households planted an average 0.2 ha in each of Dar es Salaam, Pwani and Morogoro. The smallest plots were planted in Kagera and Mwanza, at 0.03 and 0.02 ha/household respectively.


Map 2.73 TANZANIA
Area Planted and Yield Palm
by Region
Kagera
278ha
2.8t/h
L. Victoria
Mara
0 ha
Mwanza
51ha
0.2t/ha
Shinyanga
Arusha
0.0ha
0.0t/ha
Kilimanjaro
0.0ha
0.0t/ha
0.0ha
0.0t/h
Kigoma
Tabora
592ha
0.3t/ha
Singida
0ha
0.0t/ha
0 ha
0.0t/ ıa
Dodoma
Manyara
Tanga
0.0
Zanzibar
0.0ha
0.0t/ha
DaresSalaam
234ha
0.2t/ha
Rukwa
54ha
0.4t/h
Morogoro
Pwani
640h
Iringa
Mbeya
2,461ha
1.5t/ha
542ha
1.1t/h
0 ha
0.0t/ha
Lindi
0.0ha
0.0t/ha
Ruvuma
0.0ha
0.0./h
Mtwara
Area Planted Palm
8,000+
6,000 - 8,000
4,000 - 6,000
2,000 - 4,000
0 - 2,000


Map 2.74 TANZANIA
Palm Oil Area Planted as a percentage of Total Land Area by Region
Kagera 0.0
L. Victoria
Mara 0.0
Mwanza 0.0
Arusha 0.0
Kilimanjaro 0.0
Shinyanga 0.0
Kigoma 3.9
Tabora 0.1
Manyara 0.0
Tanga 0.0
Zanzibar 0.0
Singida 0.0
Dodoma 0.0
Rukwa 0.0
DaresSalaam 0.4
Morogoro 0.0
Pwani 0.2
Iringa 0.0
Mbeya 0.2
Lindi 0.0
Ruvuma 0.0
Mtwara 0.0
Area planted oil palm as percentage of total land area(%)
3.1 - 3.9
2.3 - 3.1
1.6 - 2.3
0.8 - 1.6
0 - 0.8

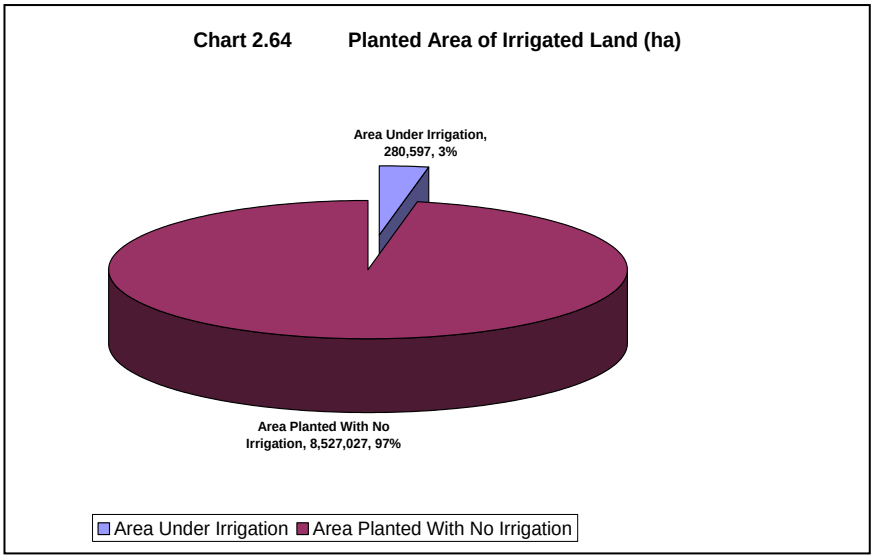

Map 2.75 TANZANIA
Area Planted Palm Oil per Palm Oil Growing Household by Region
Kagera 0.1
L. Victoria
Mara 0.0
Mwanza 0.0
Arusha 0.0
Kilimanjaro 0.0
Shinyanga 0.1
Kigoma 0.7
Tabora 0.4
Manyara 0.0
Tanga 0.0
Zanzibar 0.0
Singida 0.0
Dodoma 0.0
Rukwa 0.0
DaresSalaam 0.2
Morogoro 0.2
Pwani 0.2
Iringa 0.0
Mbeya 0.1
Lindi 0.0
Ruvuma 0.0
Mtwara 0.0
Area planted palm oil per palm oil growing household (ha)
0.6 - 0.7
0.4 - 0.6
0.3 - 0.4
0.1 - 0.3
0 - 0.1

2.7 Irrigation

Water is an important limiting factor to crop production in large parts of Tanzania. This section deals with irrigation for different crops and the means by which water is extracted from the source and applied to the field.

2.7.1 Area Planted with Annual Crops under Irrigation

Irrigated crop production was carried out during both short and long rain seasons in both Zanzibar and the Mainland. The national total planted area under irrigation, for the two seasons was 280,596 ha (3% of the total planted area) of which 277,820 ha (99% of the total irrigated area) was in the Mainland (Chart 2.64 and Map 2.76).



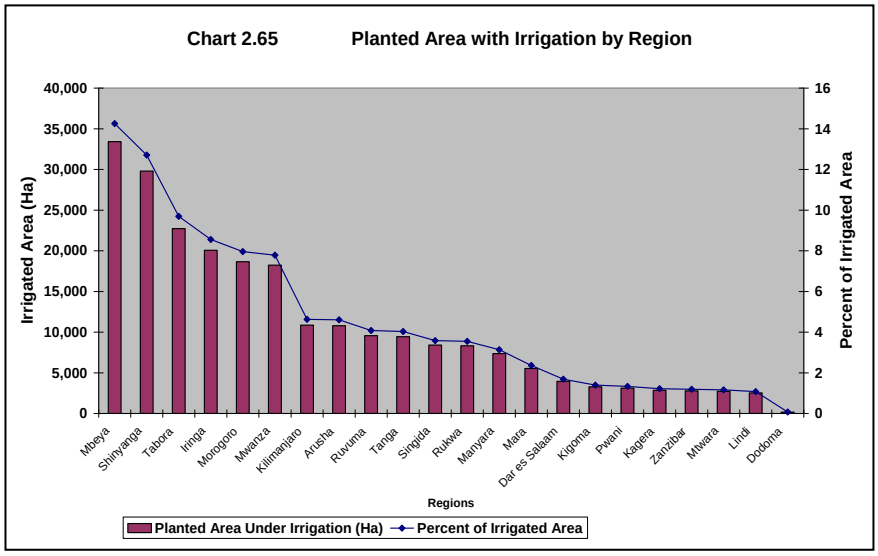
Considering Zanzibar alone, however, the total 2,777 ha irrigated in the two seasons represented an average of 5.3% of the total planted area in the islands, which was a slight improvement over the Mainland. In the Mainland, irrigated crop production was carried out mostly during the long rain season (194,699 ha, 70% of the total irrigated area in the Mainland) whereas in Zanzibar, irrigated crop production was carried out almost equally in both seasons (1,460 ha during the short rain season and 1,316 ha during the long rain season).

2.7.2 Number of households using irrigation

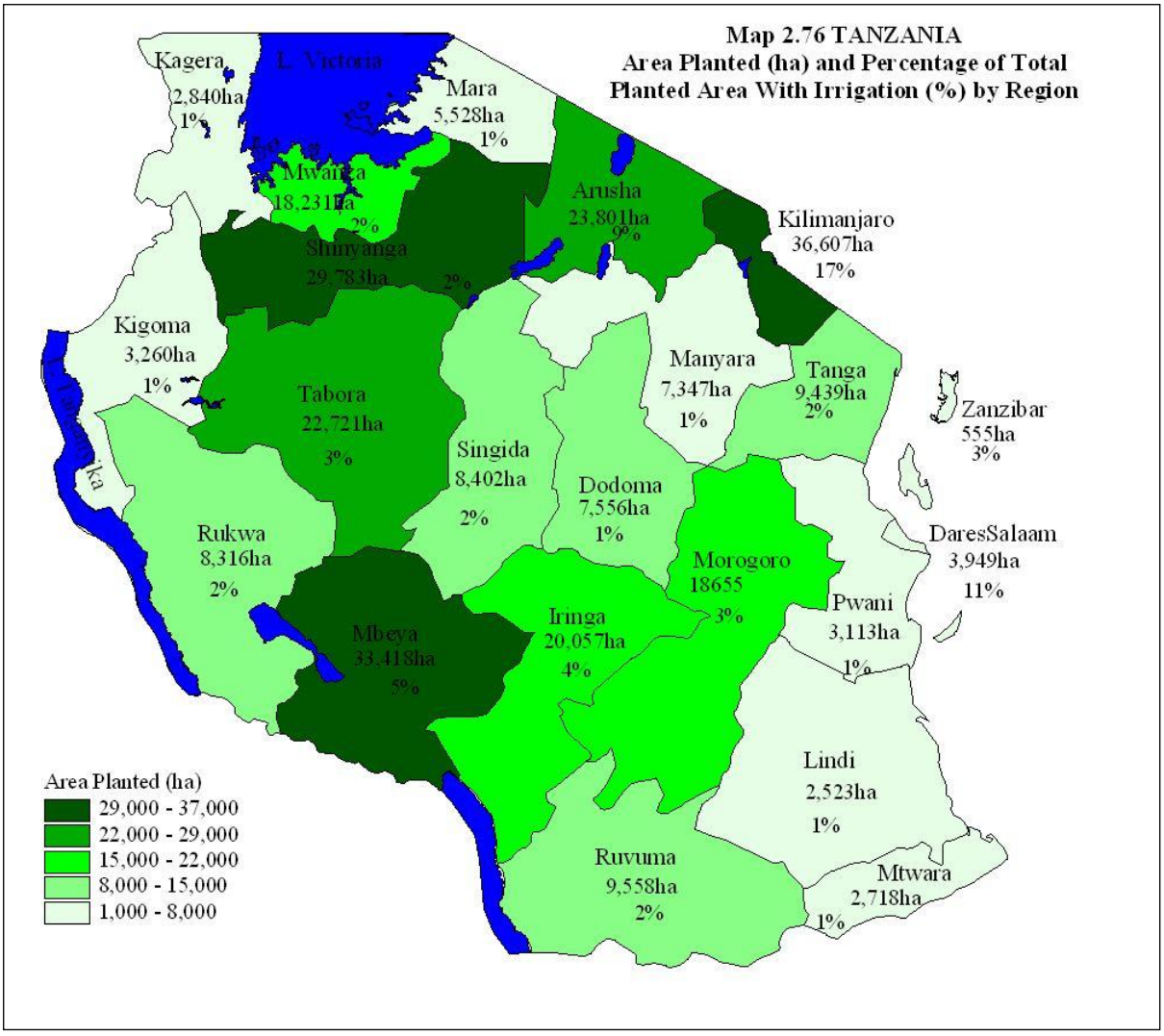
A total 441,974 households used irrigation of which 432,967 (98% of total number of households using irrigation) were in the Mainland and 9,007 (2%) in Zanzibar. The regions with the largest number of households using irrigation were Kilimanjaro (75,736, 17.1%) followed by Mbeya (47,568, 10.8%), Iringa (32,689, 7.4%) and Arusha (31,024, 7%). Other regions with households using irrigation exceeding 20,000 households were Morogoro (27,765, 6.3%), Tanga (24,912, 5.6%), Ruvuma (20,354, 4.6%), Tabora (25,601, 5.8%), Shinyanga (26,541, 6%) and Mwanza (25,216, 5.7%), (Map 2.78).

2.7.3 Planted area with Irrigation

The largest areas planted with irrigation (Chart 2.65) was in Mbeya region (33,418 ha, 14.3% of total irrigated land area), followed by Shinyanga (29,783 ha, 12.7%), Tabora (22,721 ha, 9.7%) and Iringa (20,057 ha, 8.6%). Other regions accounting for a minimum 5% of the irrigated planted area were Morogoro (8%), and Mwanza (7.8%) Irrigation was least practiced in Mtwara (1.2%), Lindi (1.1%) and Dodoma (0.1).



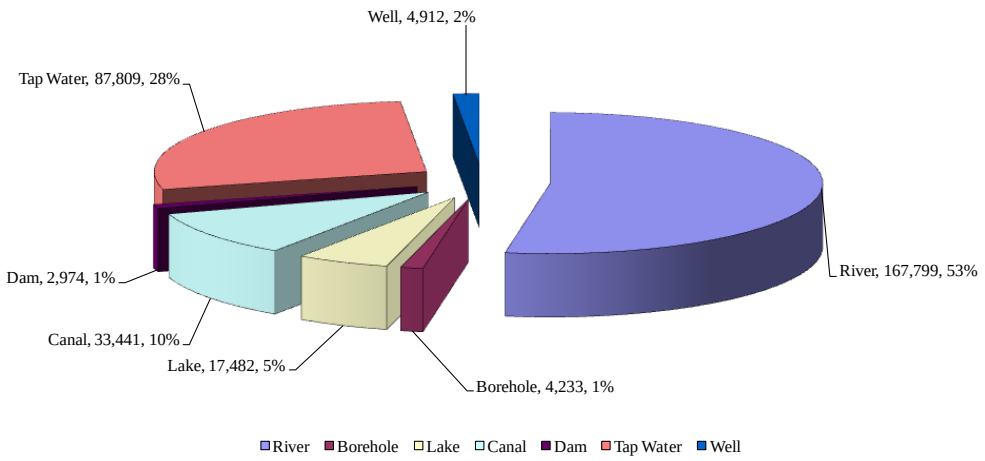
In the areas where irrigation was applied, a considerable proportion of those who applied used either bucket and hand pump (Map 2.78) and others used the bucket or watering can (Map 2.79).


Map 2.76 TANZANIA
Area Planted (ha) and Percentage of Total Planted Area With Irrigation (%) by Region
Kagera
2,840ha
1%
L. Victoria
Mara
5,528ha
1%
Mwanza
18,231ha
2%
Shinyanga
29,783ha
2%
Arusha
23,801ha
9%
Kilimanjaro
36,607ha
17%
Kigoma
3,260ha
1%
Tabora
22,721ha
3%
Singida
8,402ha
2%
Manyara
7,347ha
1%
Tanga
9,439ha
2%
Zanzibar
555ha
3%
Dodoma
7,556ha
1%
DaresSalaam
3,949ha
11%
Rukwa
8,316ha
2%
Morogoro
18655
3%
Pwani
3,113ha
1%
Iringa
20,057ha
4%
Mbeya
33,418ha
5%
Lindi
2,523ha
1%
Ruvuma
9,558ha
2%
Mtwara
2,718ha
1%
Area Planted (ha)
29,000 - 37,000
22,000 - 29,000
15,000 - 22,000
8,000 - 15,000
1,000 - 8,000

2.7.4 Source of Irrigation Water

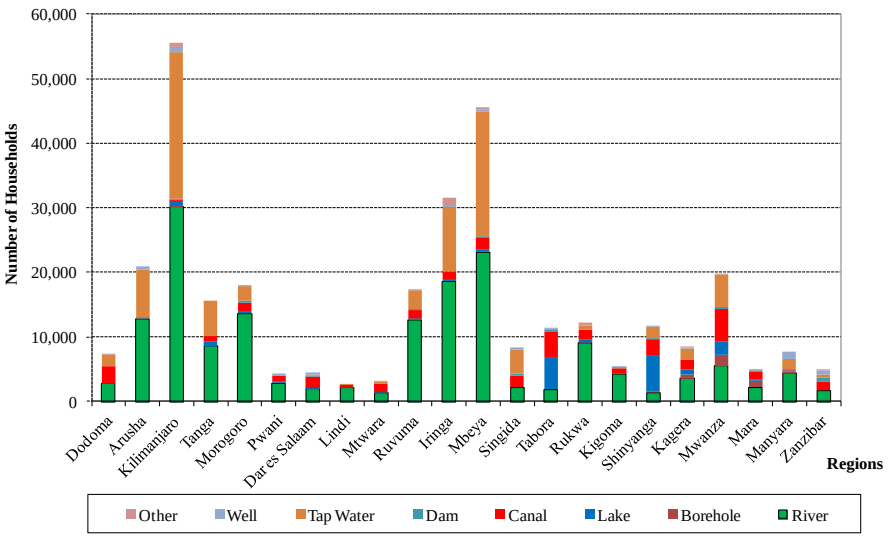
The most common source of water for irrigation was the river which was used by an estimated 53% of the households that applied irrigation (Chart 2.66), followed by tap water (28%). Canals were used by an estimated 10% of households that applied irrigation while another 5% used water from lake. Boreholes, wells and dams were minor sources. There were regional differences in what constituted the main source of water, but generally, the river was the major source in most of the regions where irrigation was practiced, followed by tap water (Chart 2.67).

Chart 2.66 Number of Households with Irrigation by Source of Water



Most of the households practicing irrigation in Kilimanjaro, Mbeya, Iringa, Arusha, Ruvuma, Morogoro, Tanga, Rukwa, Manyara, Pwani, Kigoma and Lindi used rivers as the source of irrigation water (Chart 2.67). Tap water was mostly used in Kilimanjaro (22,696 households) and Mbeya (19,306 households. Canals were mostly used in Mwanza (4,853 households), other regions using canals as an important source of water were Tabora, Dodoma, and Shinyanga.

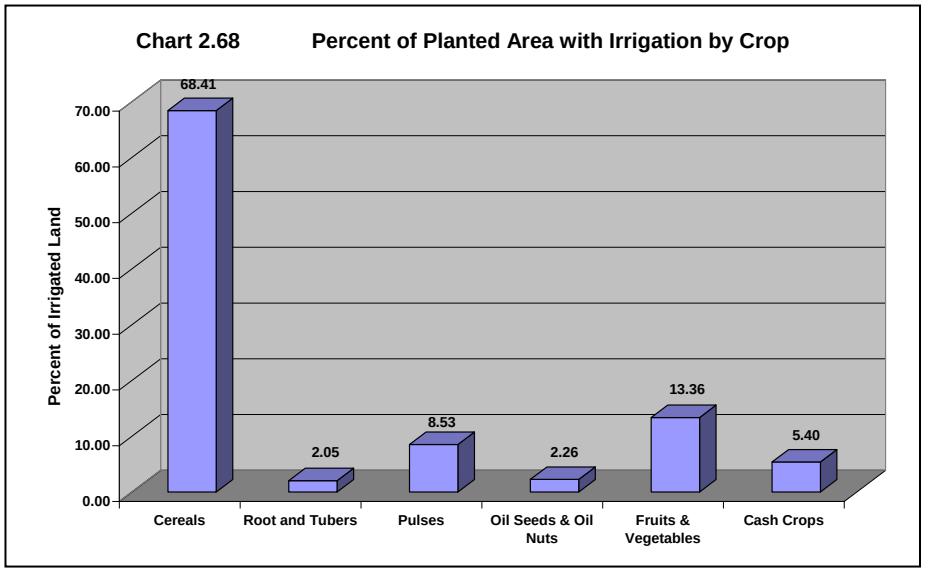
Chart 2.67 Number of Households with Irrigation Source Water and Region

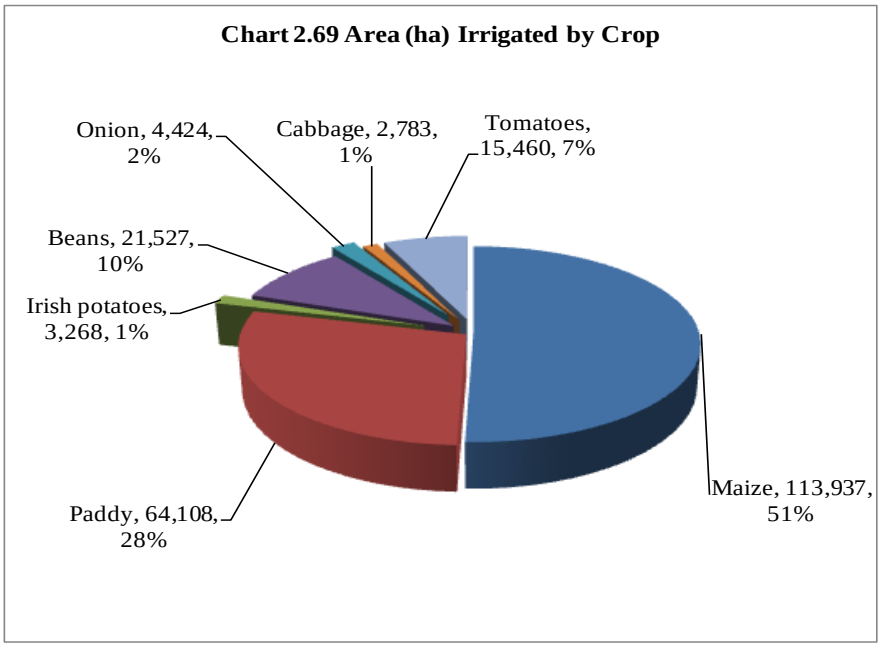


Dams were generally the least common source of irrigation water in Tanzania as they were used by only 2,974 households equivalent to 0.9% of total number of households applying irrigation. However, considering Zanzibar alone, dams were important sources of irrigation water in Zanzibar with a total of 645 households (21.7% of the total households that used dams) relying on this source. Wells were important in Manyara (1,143 households), Kilimanjaro (809 households), Zanzibar (606 households) and Arusha (596 households). The three regions relying on boreholes as a source of water for irrigation were Mwanza (1,698 households), Mara (977 households), and Kagera (611 households). Lakes and piped water were mostly used for irrigation in Shinyanga (5,333 households), Tabora (4,854 households), and Mwanza (2,224 households).

2.7.7 Use of Irrigation in Crop Production

The total area of irrigated land was 280,595 ha. Of this area, 191,949 ha representing 68.41% of the total irrigated area were planted with cereals. This was followed by fruits and vegetables (13.36%), and pulses (8.53%). On the other hand, the use of irrigation for the production of cash crops was limited to only 5.4% or 15,135 ha of the total area under irrigation. Irrigation of planted area with oil seeds and oil nuts and root and tubers were similarly small equivalent to 2.3% and 2.1% of the area planted with the respective crop





types (Chart 2.68).

In the irrigated area planted with cereals, the largest area was planted with maize (113,937 ha, 51%) followed by paddy (64,108 ha, 28%), beans (21,527 ha, 10%), and tomatoes (15,460 ha, 7%). The rest was planted with other crops including onions (2%), and cabbage (1%) (Chart 2.69).

2.7.7.1 Cereals

Generally, the largest number of households used irrigation (Table 2.11) for growing maize (200,421, 64.3%) followed by paddy (90,740, 29.1%). In addition, the largest area under irrigation was grown to maize (113,937 ha, 59.4% of total irrigated area under cereals) followed by paddy (64,108 ha, 29.1%). Regarding the number of households and area planted under irrigation during the short season, the largest number of households used irrigation for production of maize (72,088, 41.8%) and paddy (22,091, 12.8%. Similarly, the largest area was planted with maize (34,205 ha, 50.2%) followed by paddy (16,127 ha, 23.7%). Similarly, during the long season (Table 2.11) the largest number of households used irrigation for production of maize (128,333, 39.5%) followed by paddy (68,649, 21.1%) and the largest area under irrigation, for the short and long rain season combined, was planted with maize (79,732 ha, 50.7%) followed by paddy (47,980 ha, 30.5%).

2.7.7.2 Roots and Tubers.

Overall (Table 2.11), the largest number of households used irrigation for growing round potatoes (12,555, 55.5%) followed by sweet potatoes (7,247, 32%). Similarly, the largest area under irrigation was grown with round potatoes (3,268 ha, 56.8%) followed by sweet potatoes (1900 ha, 33%). Regarding use of irrigation and area under irrigation, during the short season the largest number of households used irrigation for production of round potatoes (5,739, 58%) and sweet potatoes (2,943, 29.7%). During this season (Table 2.11), the largest irrigated area was planted with round potatoes (1,177 ha, 52%) followed by sweet potatoes (781 ha, 34.5%). A similar pattern emerged during the long rains, as the largest number of households used irrigation to produce round potatoes (6,816, 53.5%) followed by sweet potatoes (4,304, 33.8%). During this season, the largest area was planted with round potatoes (2,091 ha, 59.9%) followed by sweet potatoes (1,119 ha, 32.1%).

2.7.7.3 Pulses

The most important pulses based on number of households involved and area under irrigation (Table 2.11) were beans (73,894 households, 85.6% on 21,527 ha, 90%) followed by cowpeas (5,751 households, 6.7%, on 872 ha, 3.6%). During the short season the largest number of households were involved in bean production (30,018, 84.2%) followed by cowpeas (3,059, 8.6%). These crops were cultivated under irrigation on 8,580 ha (91%) and 415 ha (4.4%), respectively. A similar pattern was evident during the long season (Table 2.11) whereby the largest number of households using irrigation produced beans (43,876) and cowpeas (2,692, 5.3%) on 12,947 ha (89.4%) and 457 ha (3.2%), respectively.

2.7.7.4 Oil seeds and oil nuts

Various oil seeds and nuts, including sunflower, simsim, groundnut, soya beans, and castor bean, were produced under irrigation during both the short season and long seasons (Table 2.11). The most important oil seeds and oil nuts planted under irrigation were groundnut (8,780 households, 53.4% on 2,631 ha, 41.4%), followed by sunflower (4,706 households on 2,318 ha, 36.5%) and simsim (2,319 households on 1,315 ha). During the short season (Table 2.11), the largest number of households irrigated sunflower (1,117, 35.3%) closely followed by groundnut (1089, 34.4%) on 311 ha (49.7%) and 157 ha, (25.1%), respectively. In the long season (Table 2.11), the largest number of households irrigated groundnut (7,691, 58%), followed by sunflower (3,589, 27%), and simsim (1872 households), the crops constituting 43.2%, 35% and 14.1% of the total irrigated planted area, respectively.

2.7.7.5 Fruits and Vegetables

Households produced a wide variety of fruits and vegetables using irrigation (Table 2.11). Of the total 213,510 households that were involved in the production of fruits and vegetables under irrigation, the largest proportion (79,122 households, 37.4%) was involved in the production of tomatoes, followed by cabbage (20,219, 9.5%) and onion (19,827, 9.3%). The total area planted with fruits and vegetable crops under irrigation (Table 2.11) was 37,481 ha of which the largest area was grown to tomatoes (15,460 ha, 41.2%) followed by onion (4,424 ha, 11.8%).

During the short rain season (Table 2.11), the largest number of households was engaged in production of tomatoes (28,881, 33.1%) followed by amaranthus (8,784, 10%) and cabbage (7,561,

8.7%). During this season, the largest area was planted with tomatoes (5,658 ha, 37.8%), followed by onion (1,331 ha, 8.9%) and water melon (1,085, 7.2%). In the long rain season (Table 2.11), the largest number of households irrigated tomatoes (50,890, 40.3%), followed by onion (13,598, 10.8%), cabbage (12,505, 10%) and spinanch (12,505, 9.9%). The four crops individually occupied 9,801 ha (43.5% of the irrigated area in the season), 3,093 ha (13.7%), 1,742 ha (7.7%) and 1,542 ha (6.8%), respectively.

2.7.7.6 Cash Crops

The total area under annual cash crops production was 642,958 ha of which only 15,139 ha (2.4% of the area planted with annual cash crops) were irrigated (Table 2.11). During 2007/2008 Agriculture Census, annual cash crops produced under irrigation included cotton, tobacco, pyrethrum, and seaweed (Table 2.11). Of these, the largest irrigated total area was planted with cotton (10,668 ha, 70.5%) by 8,778 households (50.8%) followed by 4,292 ha (28.4%) planted with tobacco by 8,234 households 47.6%).

Table 2.11: Area under irrigation during short and long rains by crop

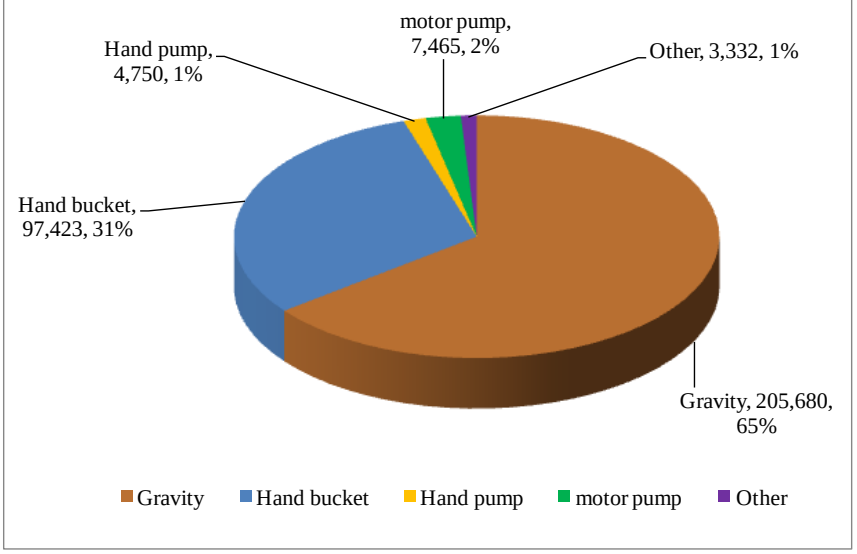
Crop	Short Rainy Season		Long Rainy Season		Total	
	Number of Households Using Irrigation	Planted Area Using Irrigation	Number of Households using Irrigation	Planted Area Using Irrigation	Number of Households using Irrigation	Planted Area Using Irrigation
CEREALS						
Maize	72,088	34,205	128,333	79,732	200,421	113,937
Paddy	22,091	16,127	68,649	47,980	90,740	64,108
Sorghum	1,514	2,633	8,555	5,560	10,069	8,193
Bulrush Millet	178	148	4,466	3,358	4,644	3,506
Finger Millet	584	176	4,099	1,030	4,683	1,205
Wheat	794	531	505	469	1,299	1,000
Barley	0	0	0	0	0	0
Subtotal for Cereals	**97,248**	**53,820**	**214,607**	**138,129**	311,855	191,949
ROOTS & TUBERS						
Cassava	510	134	453	55	963	189
Sweet Potato	2,943	781	4,304	1,119	7,247	1,900
Irish potatoes	5,739	1,177	6,816	2,091	12,555	3,268
Yams	292	144	234	39	525	182
Coco Yam	418	27	924	184	1,342	211
Subtotal for roots and Tubers	**9,901**	**2,262**	**12,731**	**3,488**	22,632	5,750
PULSES						
Mung Bean	636	86	480	177	1,116	263
Beans	30,018	8,580	43,876	12,947	73,894	21,527
Cowpeas	3,059	415	2,692	457	5,751	872
Green gram	308	46	872	140	1,181	187
Chick peas	165	54	163	330	328	384
Bambaranuts	520	56	890	214	1,411	270
Field Peas	965	198	1,634	222	2,598	419
Subtotal for Pulses	**35,672**	**9,435**	**50,606**	**14,486**	86,278	23,921
OIL SEEDS & OIL NUTS						
Sunflower	1,117	311	3,589	2,007	4,706	2,318
Simsim	448	79	1,872	1,236	2,319	1,315
Groundnut	1,089	157	7,691	2,474	8,780	2,631
Soya Beans	140	28	119	12	259	40
Castor Fung	371	51	0	0	371	51
Subtotal for Oil Seeds and Nuts	**3,164**	**626**	**13,271**	**5,729**	16,435	6,355
FRUITS & VEGETABLES						
Okra	5,936	893	4,161	884	10,097	1,777
Radish	457	151	104	12	561	163
Turmeric	0	0	31	6	31	6
Bitteer Aubergine	5,225	651	7,221	1,051	12,446	1,702
Onion	6,228	1,331	13,598	3,093	19,827	4,424
Ginger	2,577	740	584	240	3,162	980
Zukkin	25	5	30	12	56	17

Crop	Short Rainy Season		Long Rainy Season		Total	
	Number of Households Using Irrigation	Planted Area Using Irrigation	Number of Households using Irrigation	Planted Area Using Irrigation	Number of Households using Irrigation	Planted Area Using Irrigation
Star Fruit	0	0	0	0	0	0
Cabbage	7,561	1,042	12,658	1,742	20,219	2,783
Tomatoes	28,881	5,658	50,890	9,801	79,772	15,460
Spinach	4,463	404	12,505	1,542	16,967	1,945
Carrot	1,535	189	1,551	293	3,086	481
Chillies	5,947	744	5,763	1,009	11,710	1,753
Amaranths	8,784	956	8,658	1,169	17,442	2,124
Pumpkins	2,078	216	2,377	291	4,456	507
Cucumber	2,958	558	2,281	537	5,239	1,096
Egg Plant	2,011	327	1,945	184	3,956	511
Water Mellon	2,494	1,085	1,991	666	4,484	1,751
Subtotal for Fruits and Vegetables	**87,160**	**14,949**	**126,350**	**22,532**	213,510	37,481
ANNUAL CASH CROPS						
Cotton	3,302	2,853	5,477	7,816	8,778	10,668
Tobacco	1,101	635	7,133	3,656	8,234	4,292
Pyrethrum	0	0	238	176	238	176
Jute	0	0	0	0	0	0
Seaweed	0	0	32	3	32	3
Subtotal for Annual Cash Crops	**4,403**	**3,488**	**12,879**	**11,651**	17,281	15,139
TOTAL	**237,548**	**84,580**	**430,444**	**196,015**	667,992	280,595

2.7.8 Methods Used to Obtain Irrigation Water

Almost two thirds of the households involved in irrigation farming obtained water by gravity (Chart 2.70 and 2.71). Over 50 percent of households depended on gravity to obtain water for irrigation in Kilimanjaro, Mbeya, Iringa, Morogoro, Tanga, Rukwa, Singida, Manyara, Dodoma, and Lindi (Table 2.12). Hand buckets were more important as a means of irrigation in Dar es Salaam,

Chart 2.70 Number of Households by Method of Obtaining Irrigation Water



Mwanza, Mara, Ruvuma, Shinyanga, Tabora, Kagera, Kigoma, Zanzibar, Pwani and Mtwara (Maps 2.78 and 2.79). Other methods including hand pumps and motor pumps were used to a lesser extent. However, hand pumps were not used at all in Arusha, Tanga, Kigoma and Manyara regions (Table 2.12)

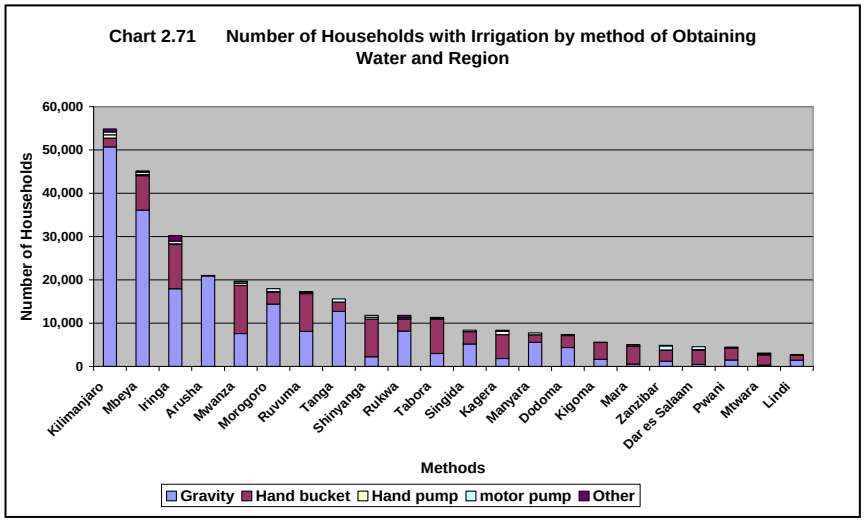
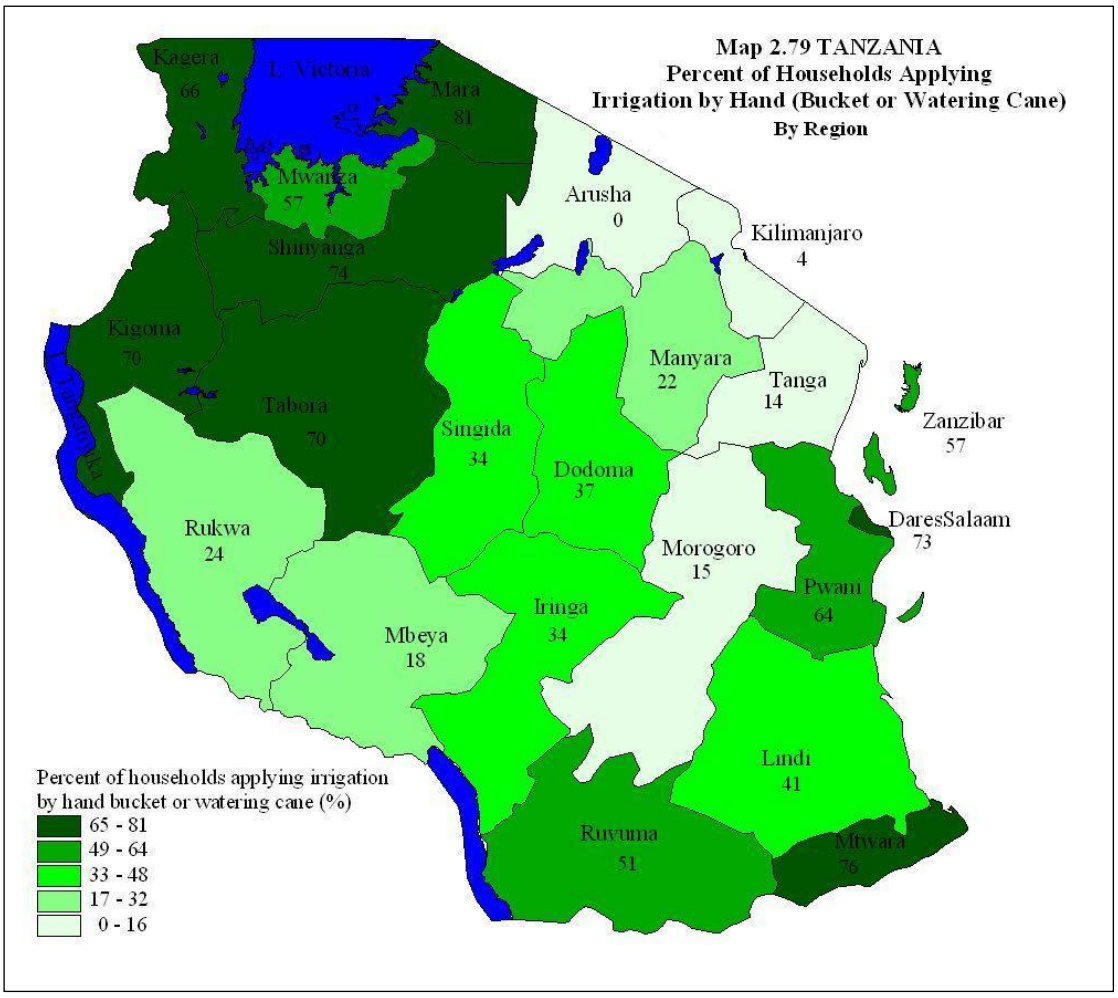


Table 2.12 Number of Agricultural Households by Method to Obtain Irrigation Water by Region

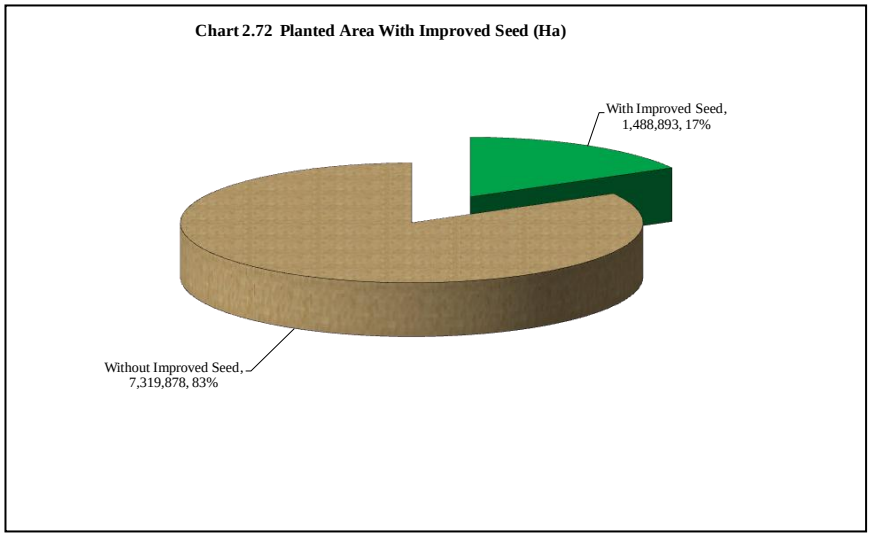
Region	Gravity	Hand bucket	Hand pump	motor pump	Other	Total
Kilimanjaro	50,680	2,054	743	660	686	54,823
Mbeya	36,094	7,951	250	521	322	45,138
Arusha	20,896	89	0	29	0	21,014
Iringa	17,928	10,216	169	612	1,302	30,226
Morogoro	14,379	2,719	162	699	0	17,960
Tanga	12,695	2,150	0	742	0	15,588
Rukwa	8,147	2,814	47	271	508	11,787
Ruvuma	8,084	8,718	222	207	30	17,260
Mwanza	7,572	11,146	424	402	128	19,672
Manyara	5,594	1,720	0	413	0	7,728
Singida	5,177	2,833	375	0	0	8,384
Dodoma	4,360	2,760	116	0	126	7,363
Tabora	2,990	7,936	244	153	0	11,323
Shinyanga	2,233	8,694	412	449	0	11,788
Kagera	1,819	5,526	804	102	92	8,344
Kigoma	1,625	3,892	0	58	0	5,575
Pwani	1,466	2,826	45	103	0	4,440
Lindi	1,443	1,105	152	0	0	2,700
Zanzibar	1165	2,544	58	934	138	4839
Mara	527	4,081	150	290	0	5,049
Dar es Salaam	461	3,306	112	667	0	4,546
Mtwara	317	2,342	265	153	0	3,076
NATIONAL	205,654	97,423	4,750	7,465	3,332	318,625


Map 2.79 TANZANIA
Percent of Households Applying
Irrigation by Hand (Bucket or Watering Cane)
By Region
Kagera
66
L. Victoria
Mara
81
Mwanza
57
Shinyanga
74
Kigoma
70
Tabora
70
Singida
34
Arusha
0
Kilimanjaro
4
Manyara
22
Tanga
14
Zanzibar
57
Dodoma
37
DaresSalaam
73
Rukwa
24
Morogoro
15
Pwani
64
Iringa
34
Mbeya
18
Lindi
41
Ruvuma
51
Mtwara
76
Percent of households applying irrigation
by hand bucket or watering cane (%)
65 - 81
49 - 64
33 - 48
17 - 32
0 - 16

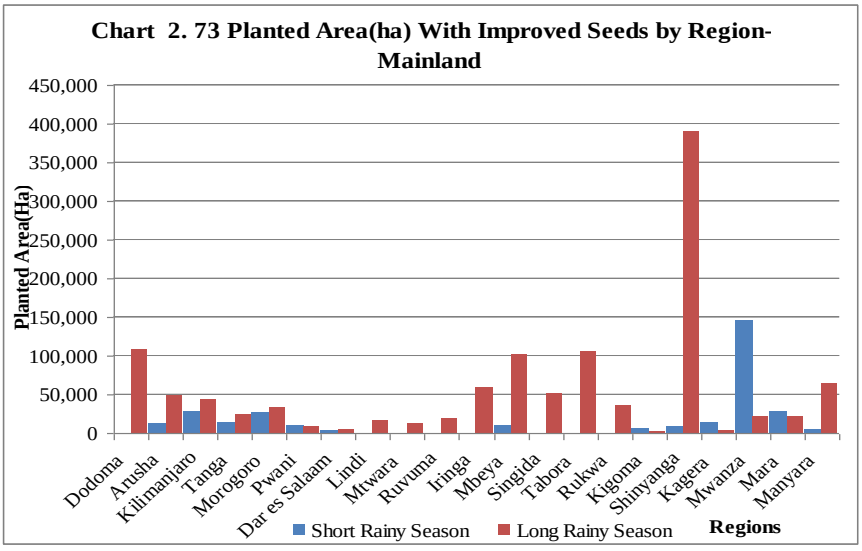
2.8 USE OF INPUTS

2.8.1 Planted Area with Improved Seed

In Tanzania, the total area planted with improved seed during 2007/08 agricultural year was 1,488,893 hectares. This accounts for only 17 percent of the total planted area. On the other hand, the total area without improved seed is 7,319,878 representing 83 percent area of the total planted land (Chart 2. 72).



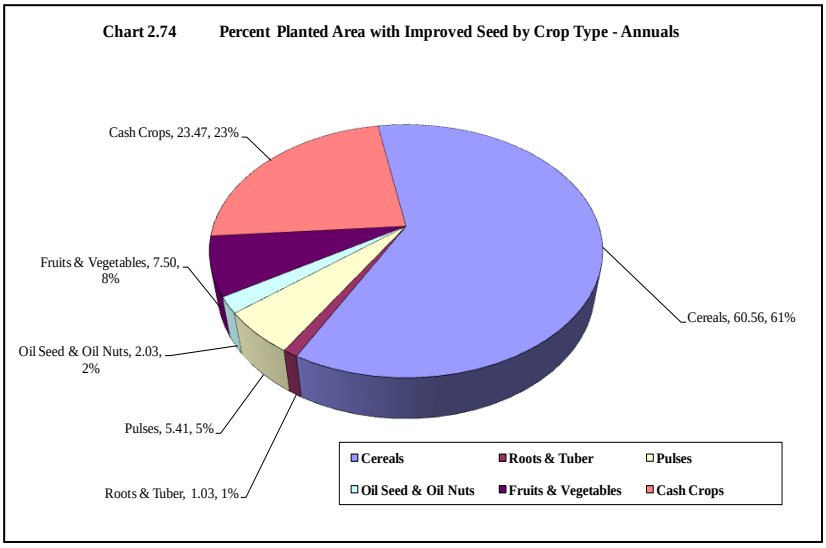
More land was planted with improved seeds in the long rains than during the short rains (Chart 2.73), except for Pwani, Kigoma, Kagera, Mwanza and Mara regions on the Mainland. Likewise, in Zanzibar, more area was planted using improved seeds during long rainy season than during short rainy season. Out of the total area planted with improved seeds, 1,907 hectares (49%) were planted during short rainy season, while 1,967 hectares (51%) were planted during long rainy season. South Unguja had the largest area (832 hectares 44%) planted with improved seeds during short rainy saeson, while North Unguja had the largest area (910 hectares 46%) planted with improved seeds during long rainy season.



2.8.2 Percent Planted Area with Improved Seed by Crop Type

Results indicate that large crop areas planted with improved seeds during short and long rainy seasons include those planted with cereals (62%) and cash crops (23%). The area planted with other crops using improved seeds was rather small. The crops include fruits and vegetables (7.5%), pulses (5.4%), oil seeds and oil nuts (2%), and roots and tubers (1.0%) (Chart 2.74).

Chart 2.74 Percent Planted Area with Improved Seed by Crop Type - Annuals

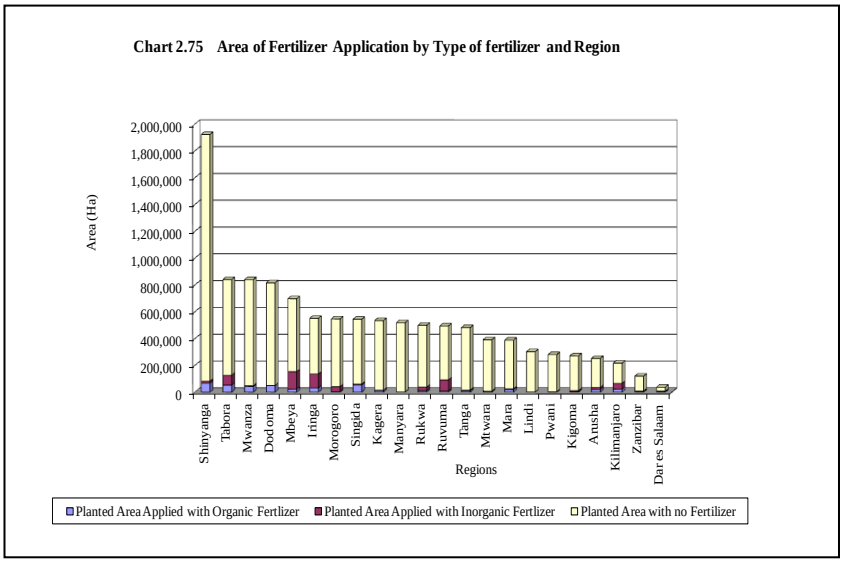


Generally, for all types of crops, the total area planted during long rainy season exceeded the area planted with improved seeds during short rainy season.

2.8.3 Fertilizer Application by Type of Fertilizer and Region

Results presented in this section are based on use and area of application of fertilizer and not on the quantity applied. In general, these results show that fertilizer is only used on a low proportion of the area under cultivation. Besides, the use of fertilizer greatly varies across regions. Organic fertilizer is widely used in Shinyanga (67,439 ha) followed by Singida (54,586 ha) and Tabora (53,339).

Chart 2.75 Area of Fertilizer Application by Type of fertilizer and Region



Other regions where over 30,000 ha were planted using organic fertilizer (Chart 2.75) are Dodoma (48,843 ha), Mwanza (43,681 ha), Manyara (32,275 ha) and Iringa (32, 199 ha) (Map 2.84a). Furthermore, organic fertilizer was least used in Lindi (588 ha) and Mtwara (1,818 ha) (Map 2.82a). On the other hand, Mbeya region leads in the use of inorganic fertilizer (Map 2.84a) with a total of 131,208 ha, followed by Iringa (103,697 ha) and Ruvuma (83,208 ha)

However, the top three regions with the largest areas planted without using inorganic fertilizer (Map 2.82b) were Shinyanga (1,429,126 ha), Dodoma (746,650 ha), and Mwanza (660,675 ha).

In Zanzibar, the total of 1,836 hectares and 1,664 hectares were planted with organic fertilizer in South Unguja and North Unguja respectively. The least planted area with organic fertilizer in Zanzibar was in South Pemba 321 hectares (maps 2.82a and 2.84a). Likewise, planted area with inorganic fertilizer was mostly found in North Unguja and South Unguja, where a total of 1,222 hectares where planted in North Unguja, and 802 hectares were planted in South Unguja. The least area planted with inorganic fertilizer was in North Pemba with 405 hectares (Maps 2.82b and 2.84b).

2.8.4 Use of Pesticides

Pesticides are chemicals, which are used for controlling insects, diseases and weeds on crops. This section analyses the use of these chemicals by smallholders on both annual and permanent crops in Tanzania. Insecticides are the most common pesticides used in the country (Chart 2.76) accounting for 71% (770,036 ha) of the total planted area applied with pesticides. Insecticides are followed by herbicides (203,175 ha, 19%) and fungicides (105,124 ha, 10%).

Chart 2.76 Planted Area by Pesticides

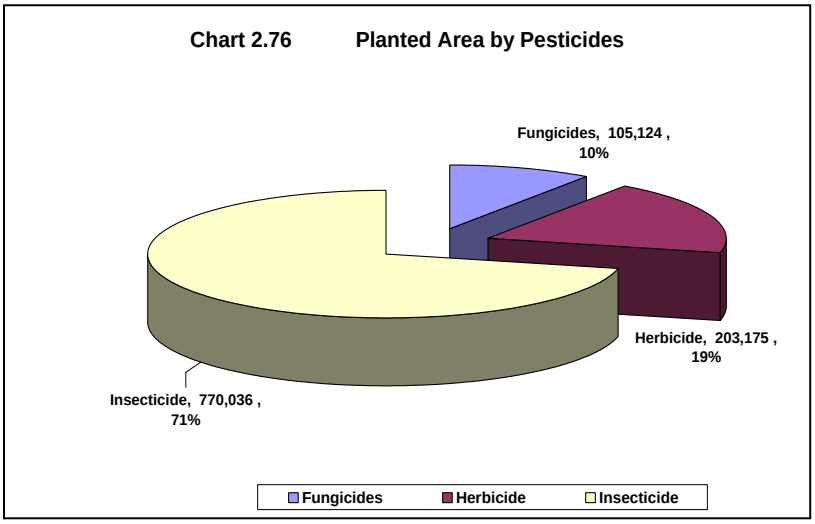
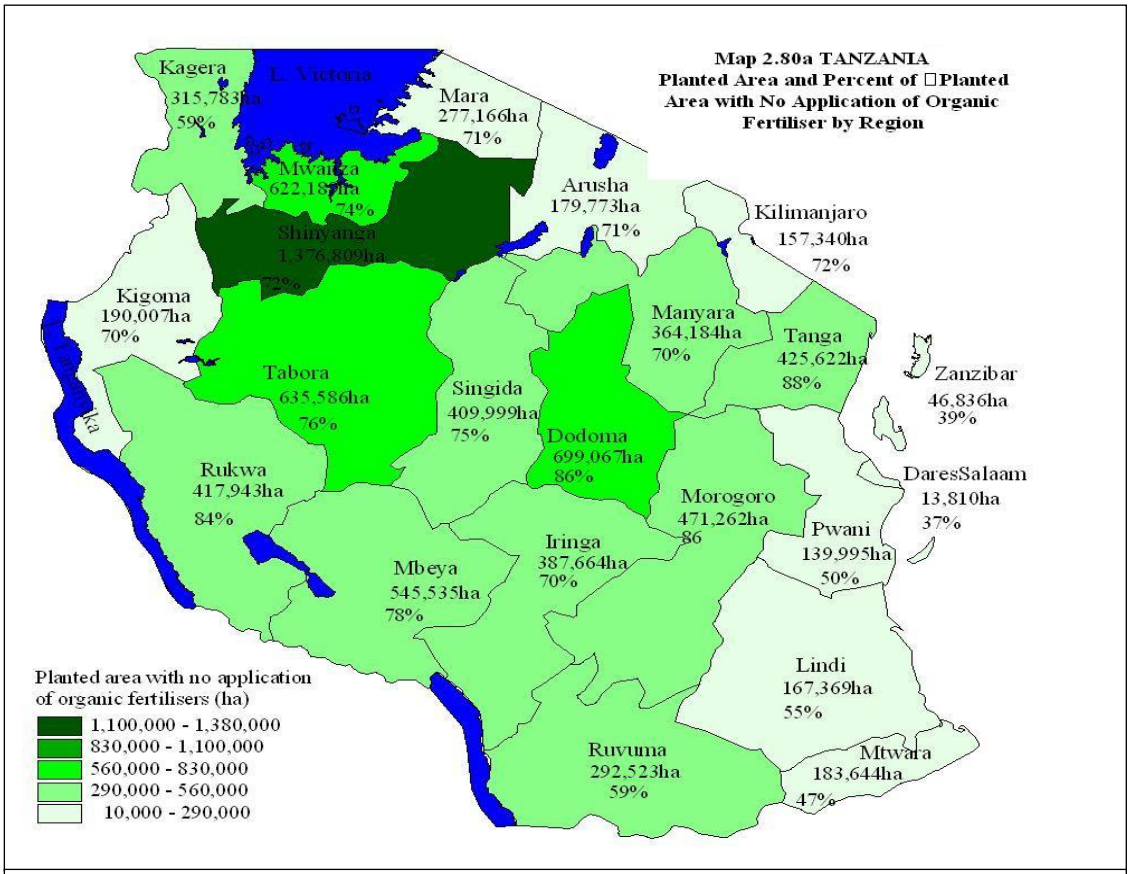
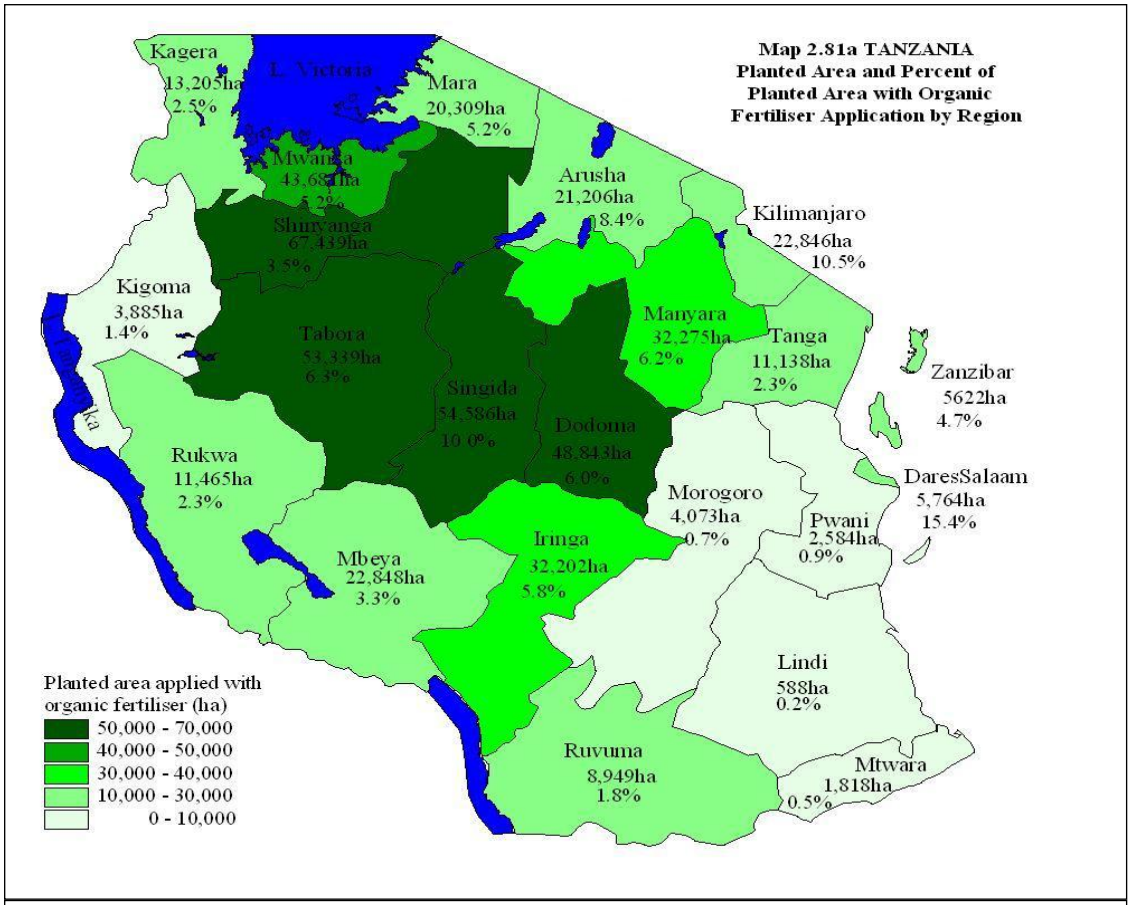


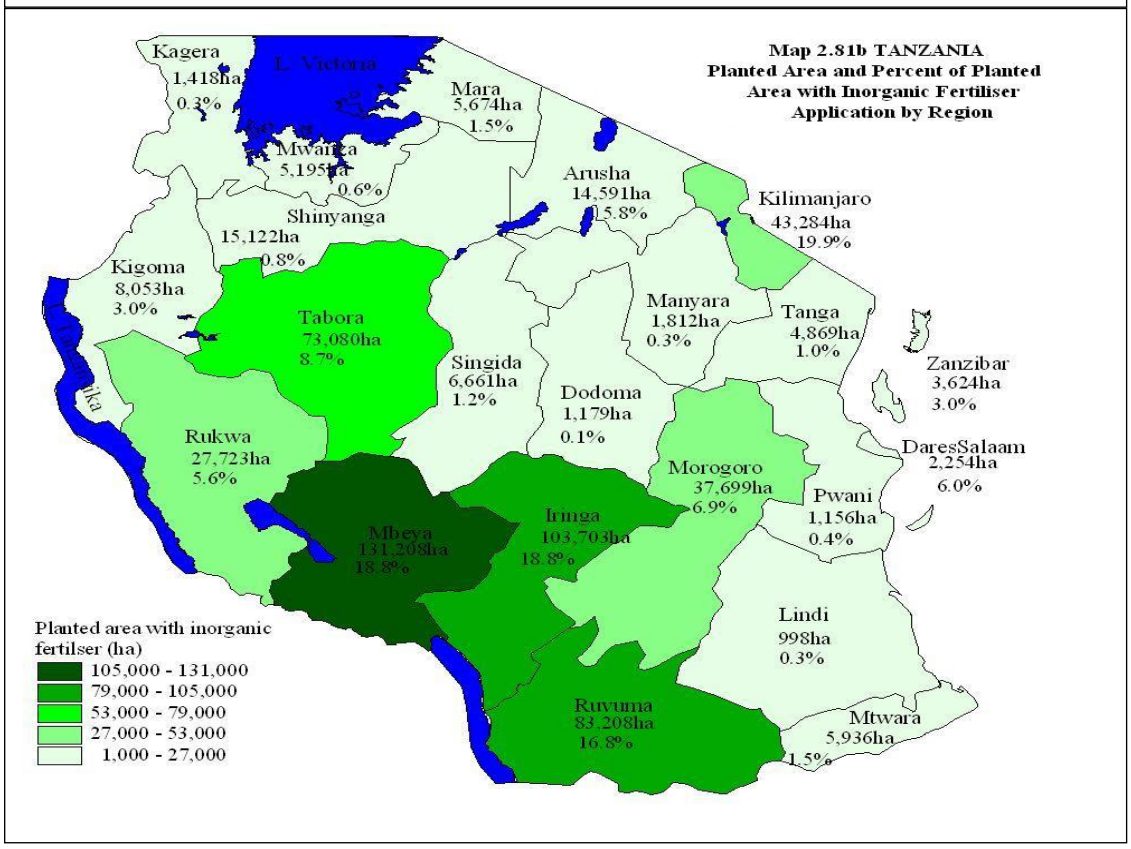
Table 2.13 Use of Pestcides During Short and Long Rains

Pesticide	Area Planted - Short Rains	Area Planted - Long Rains	Total Area Planted with Pesticides
Fungicides	21,072	84,052	105,124
Herbicide	63,981	139,194	203,175
Insecticide	141,924	628,111	770,036
TOTAL	**226,977**	**851,358**	**1,078,335**

Generally, a greater part of the area is planted with pesticides during the long rains than in the short rains irrespective of the type of pesticide used (Table 2.13).

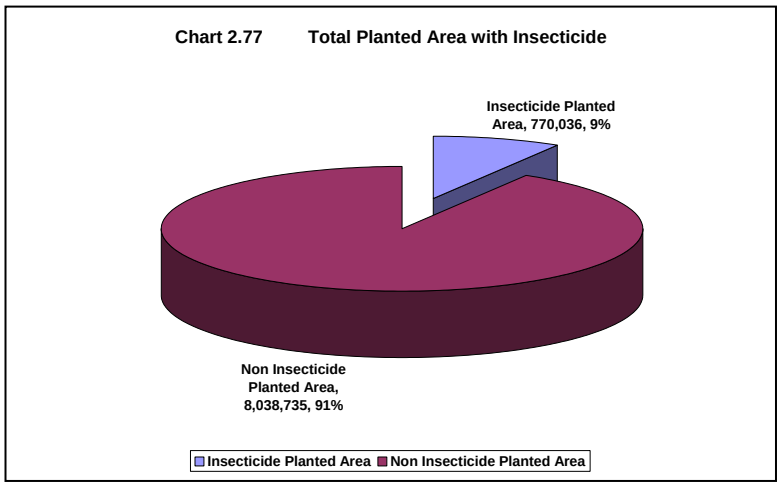

Map 2.80a TANZANIA
Planted Area and Percent of Planted Area with No Application of Organic Fertiliser by Region
Kagera
315,783ha
59%
L. Victoria
Mara
277,166ha
71%
Mwanza
622,185ha
74%
Shinyanga
1,376,809ha
72%
Arusha
179,773ha
71%
Kilimanjaro
157,340ha
72%
Kigoma
190,007ha
70%
Tabora
635,586ha
76%
Singida
409,999ha
75%
Manyara
364,184ha
70%
Tanga
425,622ha
88%
Zanzibar
46,836ha
39%
Dodoma
699,067ha
86%
Rukwa
417,943ha
84%
DaresSalaam
13,810ha
37%
Morogoro
471,262ha
86
Pwani
139,995ha
50%
Iringa
387,664ha
70%
Mbeya
545,535ha
78%
Lindi
167,369ha
55%
Ruvuma
292,523ha
59%
Mtwara
183,644ha
47%
Planted area with no application of organic fertilisers (ha)
1,100,000 - 1,380,000
830,000 - 1,100,000
560,000 - 830,000
290,000 - 560,000
10,000 - 290,000
Map 2.80b TANZANIA
Planted Area and Percent of Planted Area with No Application of Inorganic Fertiliser by Region
Kagera
327,570ha
61%
L. Victoria
Mara
291,801ha
75%
Mwanza
660,6[illegible]ha
29%
Shinyanga
1,429,126ha
74%
Arusha
186,388ha
74%
Kilimanjaro
136,902ha
63%
Kigoma
185,839ha
68%
Tabora
615,845ha
73%
Singida
457,924ha
84%
Manyara
394,647ha
76%
Tanga
431,891ha
89%
Zanzibar
48,833ha
41%
Dodoma
746,731ha
91%
Rukwa
401,685ha
80%
DaresSalaam
17,320ha
46%
Morogoro
437,635ha
80%
Pwani
141,423ha
50%
Iringa
316,163ha
57%
Mbeya
437,175ha
63%
Lindi
166,959ha
55%
Ruvuma
218,264ha
44%
Mtwara
179,526ha
46%
Planted area with no application of inorganic fertlisers (ha)
1,150,000 - 1,430,000
860,000 - 1,150,000
580,000 - 860,000
300,000 - 580,000
20,000 - 300,000


Map 2.81a TANZANIA
Planted Area and Percent of Planted Area with Organic Fertiliser Application by Region
Kagera 13,205ha 2.5%
L. Victoria
Mara 20,309ha 5.2%
Mwanza 43,681ha 5.2%
Shinyanga 67,439ha 3.5%
Arusha 21,206ha 18.4%
Kilimanjaro 22,846ha 10.5%
Kigoma 3,885ha 1.4%
Tabora 54,339ha 6.3%
Manyara 32,275ha 6.2%
Tanga 11,138ha 2.3%
Zanzibar 5622ha 4.7%
Singida 54,586ha 10.0%
Dodoma 48,843ha 6.0%
Rukwa 11,465ha 2.3%
DaresSalaam 5,764ha 15.4%
Morogoro 4,073ha 0.7%
Pwani 2,584ha 0.9%
Iringa 32,202ha 5.8%
Mbeya 22,848ha 3.3%
Lindi 588ha 0.2%
Ruvuma 8,949ha 1.8%
Mtwara 1,818ha 0.5%
Planted area applied with organic fertiliser (ha)
50,000 - 70,000
40,000 - 50,000
30,000 - 40,000
10,000 - 30,000
0 - 10,000

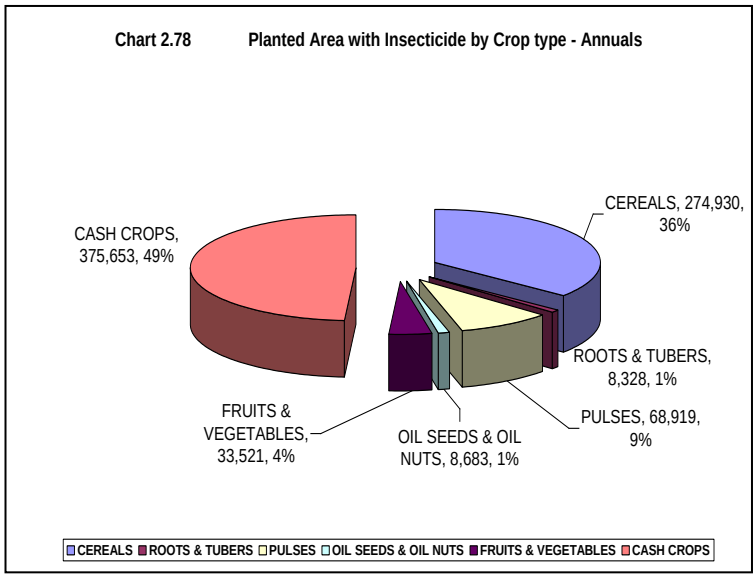

Map 2.81b TANZANIA
Planted Area and Percent of Planted Area with Inorganic Fertiliser Application by Region
Kagera 1,418ha 0.3%
L. Victoria
Mara 5,674ha 1.5%
Mwanza 5,195ha 0.6%
Shinyanga 15,122ha 0.8%
Arusha 14,591ha 15.8%
Kilimanjaro 43,284ha 19.9%
Kigoma 8,053ha 3.0%
Tabora 73,080ha 8.7%
Manyara 1,812ha 0.3%
Tanga 4,869ha 1.0%
Zanzibar 3,624ha 3.0%
Singida 6,661ha 1.2%
Dodoma 1,179ha 0.1%
Rukwa 27,723ha 5.6%
DaresSalaam 2,254ha 6.0%
Morogoro 37,699ha 6.9%
Pwani 1,156ha 0.4%
Iringa 103,703ha 18.8%
Mbeya 131,208ha 18.8%
Lindi 998ha 0.3%
Ruvuma 83,208ha 16.8%
Mtwara 5,936ha 1.5%
Planted area with inorganic fertilser (ha)
105,000 - 131,000
79,000 - 105,000
53,000 - 79,000
27,000 - 53,000
1,000 - 27,000

2.8.4.1 Insecticide

The use of insecticides was limited to only 9% (770,036 ha) of the total planted area, compared to the remaining 91% (8,038,735 ha) on which insecticides were not applied (Chart 2. 77). At national level, the total area planted with insecticides was 770,036 ha (768,204 ha on the Mainland and only 1,832 ha in Zanzibar). The two leading regions with the largest planted area with insecticides (Map 2.85) were Shinyanga (262,420 ha) and Iringa (124,234 ha).

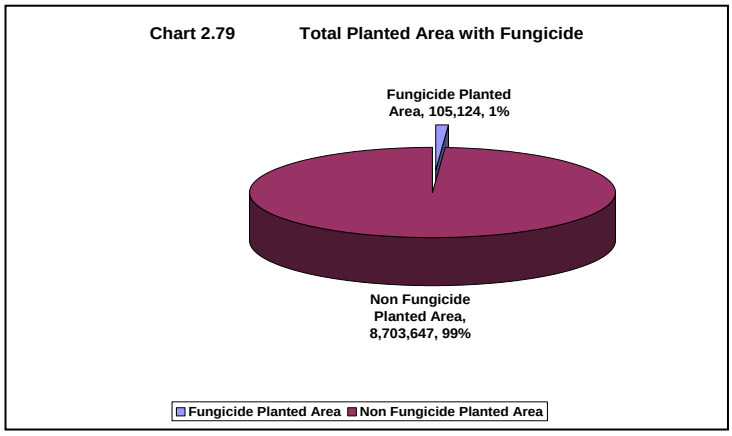


Comparatively, the total area planted with insecticides was larger during *Masika* (628,111 ha) than during *Vuli* (141,924 ha). In terms of total planted area, more insecticides (375,653 ha, 49%) were applied on cash crops (Chart 2.78) than other crop types followed by cereals (274,930 ha, 36%), pulses (68,919 ha, 9%), fruits and vegetables (33,521 ha, 4%), and oil seeds and oil nuts, with the smallest planted area applied (8,683 ha, 1%).



2.8.4.2 Fungicides

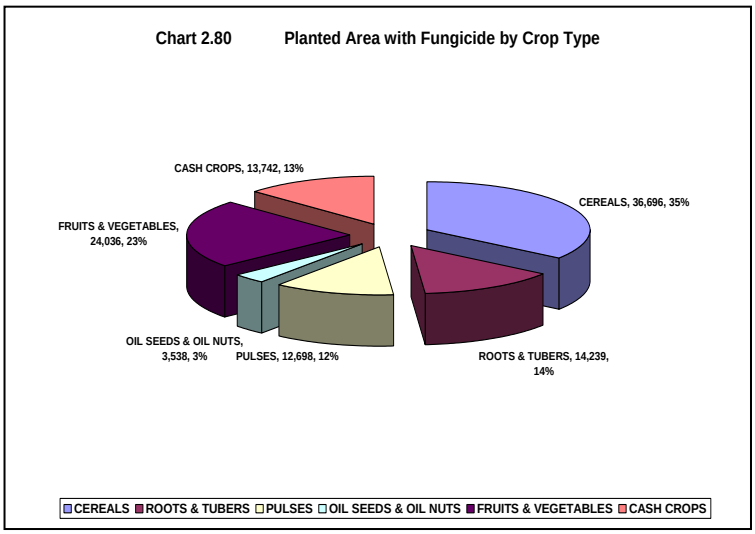
The total area planted with fungicides (Chart 2.79) was 105,124 ha (104,588 ha on the



Mainland and 532 ha in Zanzibar). Generally, larger planted areas were applied with fungicides in the long rainy season (84,052 ha) than in the short rainy season (21,072 ha). Fungicides were rarely used on annual crops accounting for only 1% (105,124 ha) while 99 percent of the total area was not planted with fungicides (Chart 2.80 and Map 2.86).

In terms of total planted area by crop type, more fungicides are used on cereals (36,696 ha, 35%) than other crop types. This was followed by fruits and vegetables (24,036 23%); roots and tubers (14,239 ha, 14%); cash crops (13,742, 13%); pulses (12,690, 12%); and oil seeds and oil nuts (13,742 ha, 13%).

Chart 2.80 Planted Area with Fungicide by Crop Type

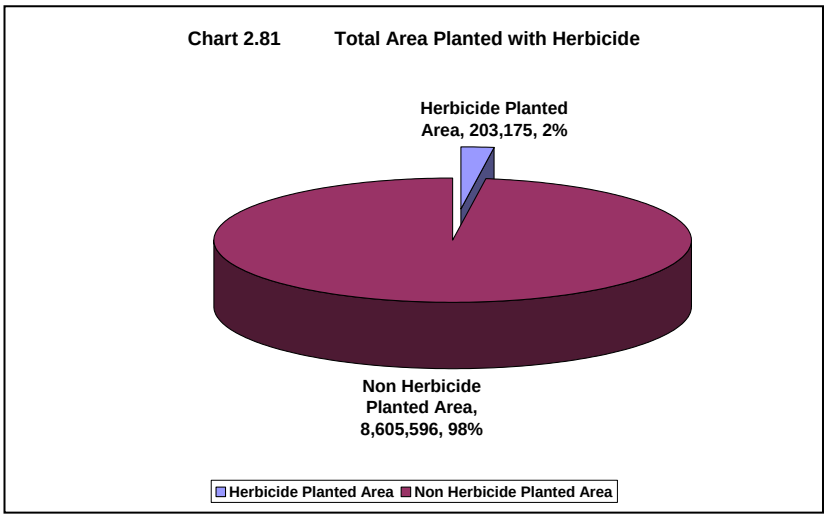


The regions with the largest planted area with fungicides (Map 2.86) were Iringa (17,338 ha, 16%) Shinyanga (9,546 ha, 9%), Tabora (9,118 ha, 9%), and Dodoma (8,557 ha, 8%). Overall, very little fungicides were used in Zanzibar (537 ha, 1%).

2.8.4.3 Herbicide

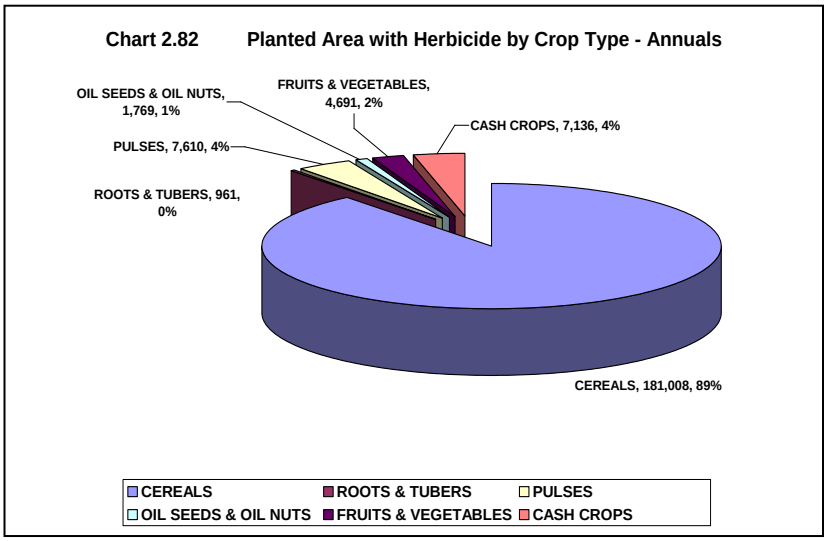
Herbicides were the least used pesticide in Tanzania applied to only 2 percent (203,175 ha) of the total planted area. In contrast, 98 percent (8,605,596 ha) of the area is not planted with herbicides (Chart 2.81 and Map 2.87).

Chart 2.81 Total Area Planted with Herbicide



Based on total planted area by crop type (chart 2.82), more herbicides were used on cereals (181,008 ha, 89% of the area applied with herbicides) than on other crop types. This was followed by pulses (7,610 ha, 4%), cash crops (7,136 ha, 4%), fruits and vegetables (4,691, 2%), oil seeds and oil nuts (1,769 ha, 1%), and roots and tubers (961 ha, 0%).

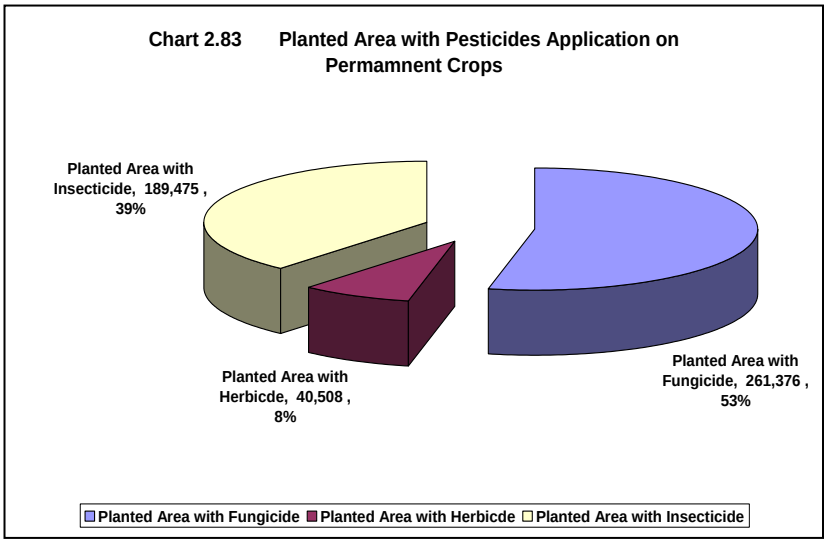
Chart 2.82 Planted Area with Herbicide by Crop Type - Annuals



2.8.4.5 Use of Pesticides on Permanent Crops

Use of fungicides, herbicides, and insecticides on permanent crops was variable (Chart 2.83) for the Mainland and Zanzibar combined, the largest area (261,376 ha, 53%) was applied with fungicides followed by insecticides (189,475 ha, 39%), and herbicide (40,508 ha, 8%).

Chart 2.83 Planted Area with Pesticides Application on Permamnent Crops

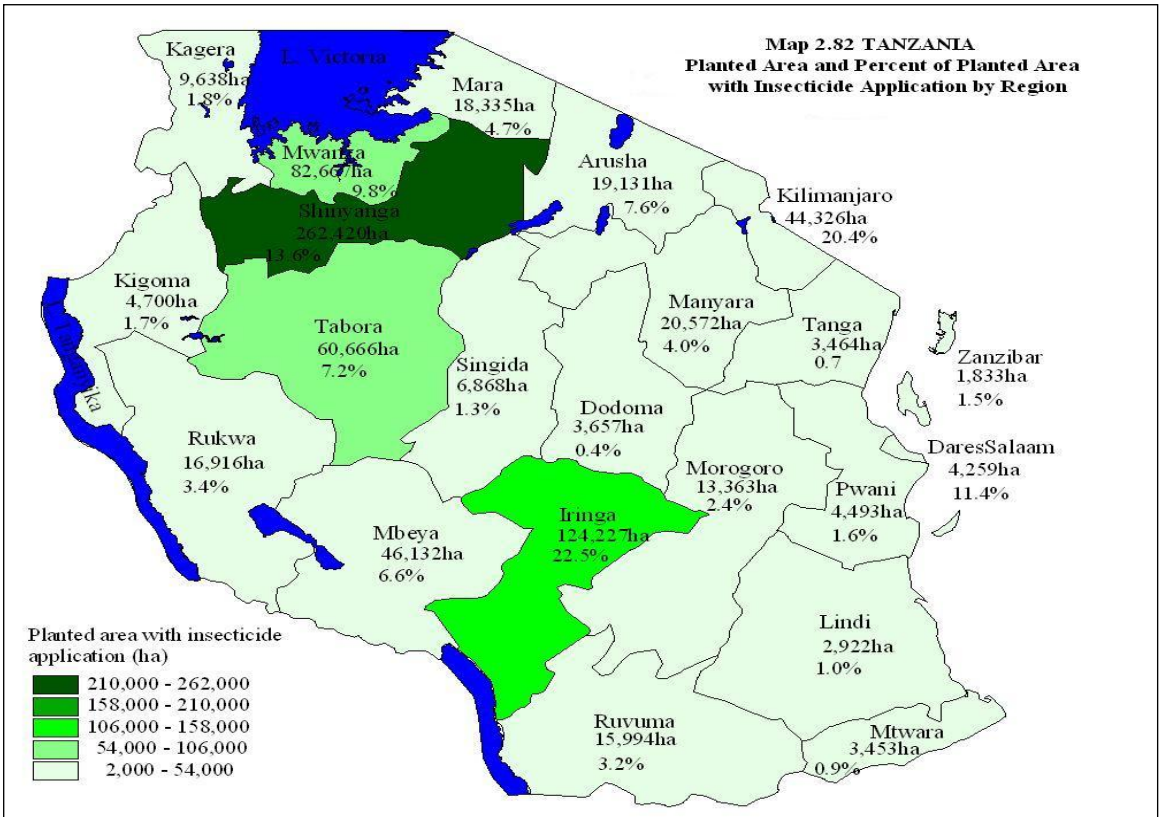


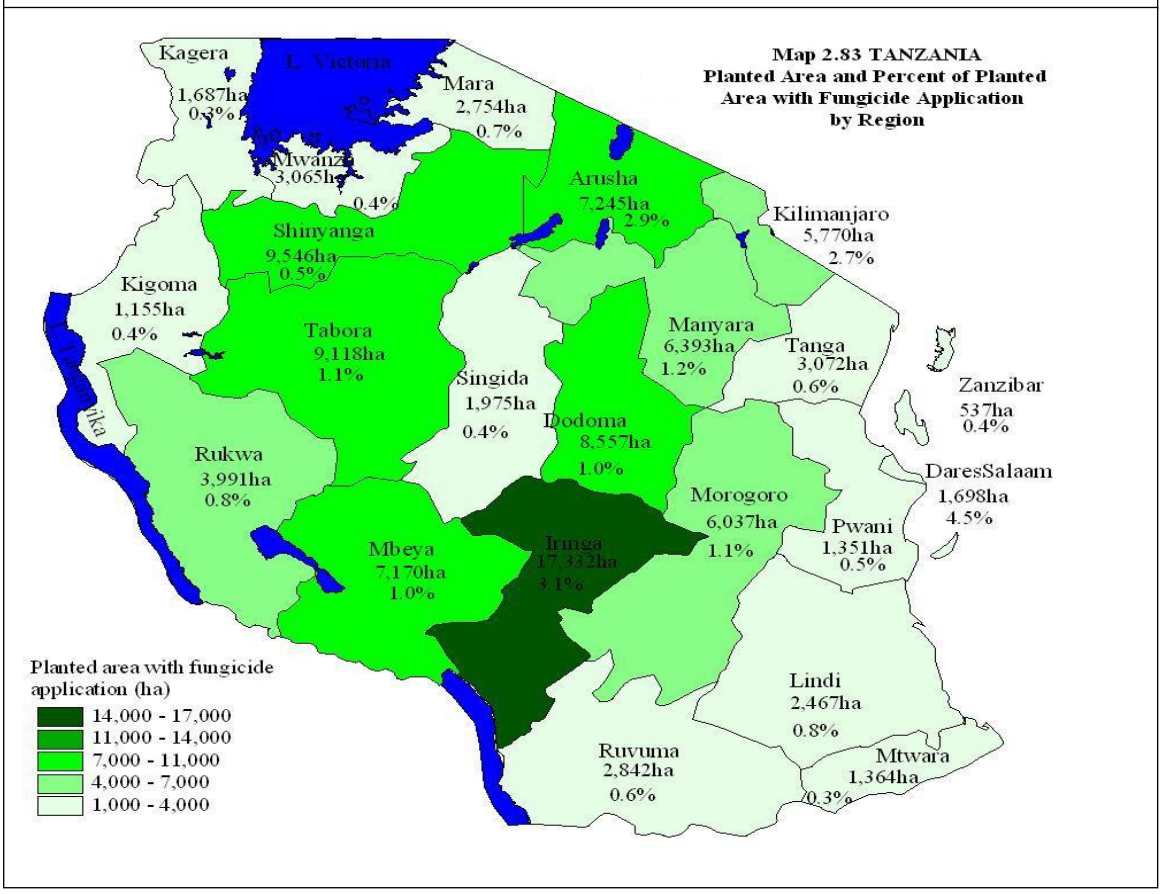
In general, pesticides were used more on the Mainland than in Zanzibar (Table 2.14). In the Mainland, the area planted with fungicides was (261,366 ha); herbicides, (40,495 ha) and insecticides (189,457 ha) each representing 99.9% of the applied area.

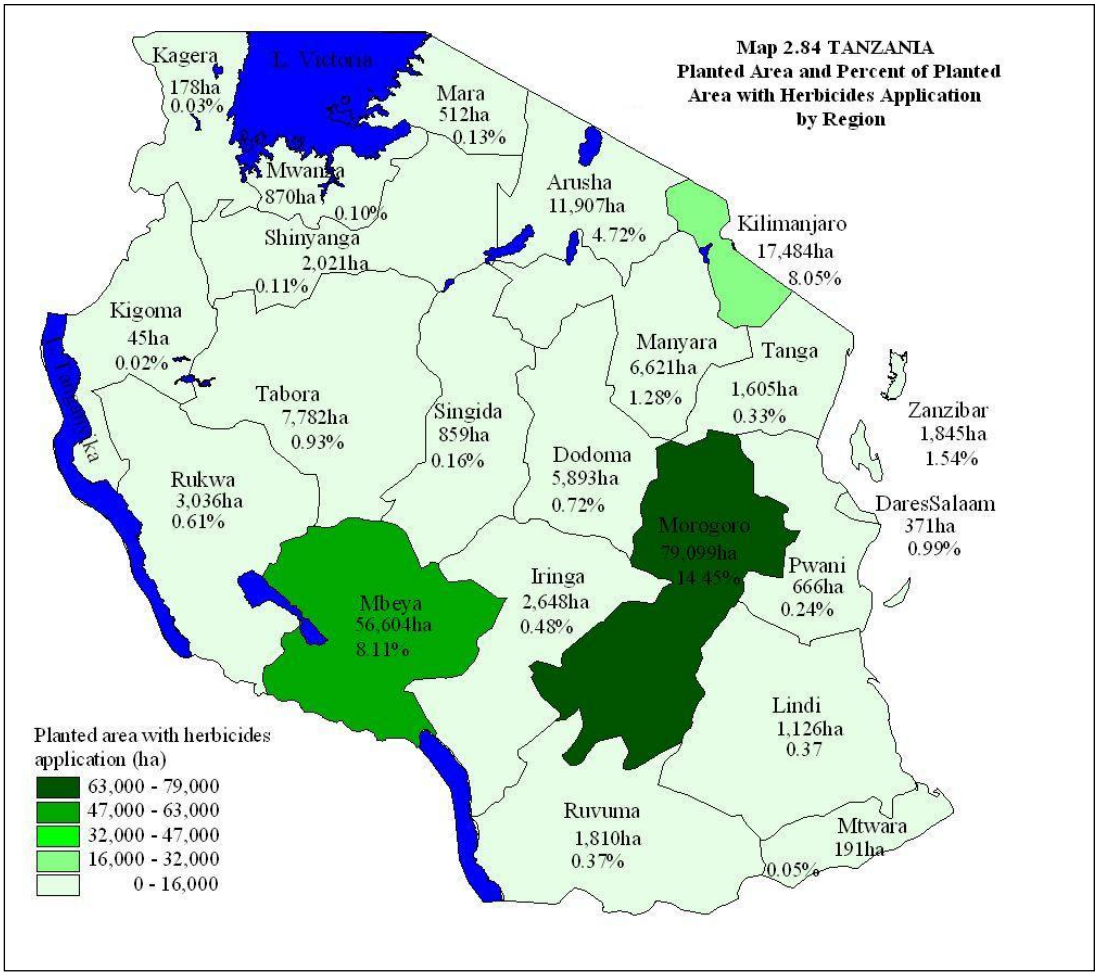
Large areas applied with fungicides were recorded in Mtwara (84,362); Lindi (57,325), and Mbeya (34,205 ha). The leading regions in the use of herbicides were Mbeya (22,766 ha), Ruvuma (7,095 ha), and Morogoro (4,485 ha) while the large areas planted with insecticides were in Mtwara (51,478 ha), Mbeya (41,487 ha), and Lindi (31,071 ha).

Table 2.14. Pesticide application on Permanent Crops by Type of Pesticide and Region

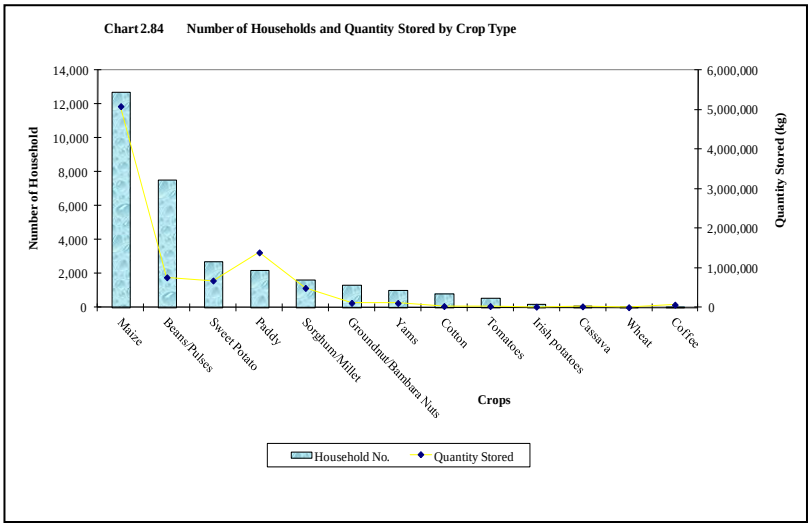
Region	Planted Area with Fungicide	Planted Area with Herbicde	Planted Area with Insecticide
Dodoma	10	0	4
Arusha	1,208	1,094	2,580
Kilimanjaro	18,951	2,015	25,069
Tanga	1,315	1	748
Morogoro	0	4,485	93
Pwani	24,359	138	4,622
Dar es	2,008	23	761
Lindi	57,325	1,604	31,071
Mtwara	84,362	318	51,478
Ruvuma	33,132	7,095	27,143
Iringa	307	0	371
Mbeya	34,205	22,766	41,487
Singida	0	10	0
Tabora	0	11	1
Rukwa	4	0	4
Kigoma	2,245	571	2,225
Shinyanga	0	0	1,042
Kagera	61	118	123
Mwanza	208	208	208
Mara	0	0	0
Manyara	1,667	41	426
Mainland	**261,366**	**40,495**	**189,457**
North Unguja	0	0	0
South Unguja	0	0	6
Urban West	0	0	1
North Pemba	0	3	0
South Pemba	11	11	11
Zanzibar	**11**	**13**	**18**
National total	**261,376**	**40,508**	**189,475**


Map 2.82 TANZANIA
Planted Area and Percent of Planted Area with Insecticide Application by Region
Kagera
9,638ha
1.8%
L. Victoria
Mara
18,335ha
4.7%
Mwanza
82,667ha
9.8%
Shinyanga
262,420ha
13.6%
Arusha
19,131ha
7.6%
Kilimanjaro
44,326ha
20.4%
Kigoma
4,700ha
1.7%
Tabora
60,666ha
7.2%
Singida
6,868ha
1.3%
Manyara
20,572ha
4.0%
Tanga
3,464ha
0.7
Zanzibar
1,833ha
1.5%
Dodoma
3,657ha
0.4%
Rukwa
16,916ha
3.4%
Morogoro
13,363ha
2.4%
DaresSalaam
4,259ha
11.4%
Pwani
4,493ha
1.6%
Iringa
124,227ha
22.5%
Mbeya
46,132ha
6.6%
Lindi
2,922ha
1.0%
Ruvuma
15,994ha
3.2%
Mtwara
3,453ha
0.9%
Planted area with insecticide application (ha)
210,000 - 262,000
158,000 - 210,000
106,000 - 158,000
54,000 - 106,000
2,000 - 54,000


Map 2.83 TANZANIA
Planted Area and Percent of Planted Area with Fungicide Application by Region
Kagera
1,687ha
0.3%
L. Victoria
Mara
2,754ha
0.7%
Mwanza
3,065ha
0.4%
Arusha
7,245ha
1.2%
Kilimanjaro
5,770ha
2.7%
Shinyanga
9,546ha
0.5%
Kigoma
1,155ha
0.4%
Tabora
9,118ha
1.1%
Manyara
6,393ha
1.2%
Tanga
3,072ha
0.6%
Zanzibar
537ha
0.4%
Singida
1,975ha
0.4%
Dodoma
8,557ha
1.0%
Rukwa
3,991ha
0.8%
DaresSalaam
1,698ha
4.5%
Morogoro
6,037ha
1.1%
Pwani
1,351ha
0.5%
Mbeya
7,170ha
1.0%
Iringa
17,332ha
3.1%
Lindi
2,467ha
0.8%
Ruvuma
2,842ha
0.6%
Mtwara
1,364ha
0.3%
Planted area with fungicide application (ha)
14,000 - 17,000
11,000 - 14,000
7,000 - 11,000
4,000 - 7,000
1,000 - 4,000

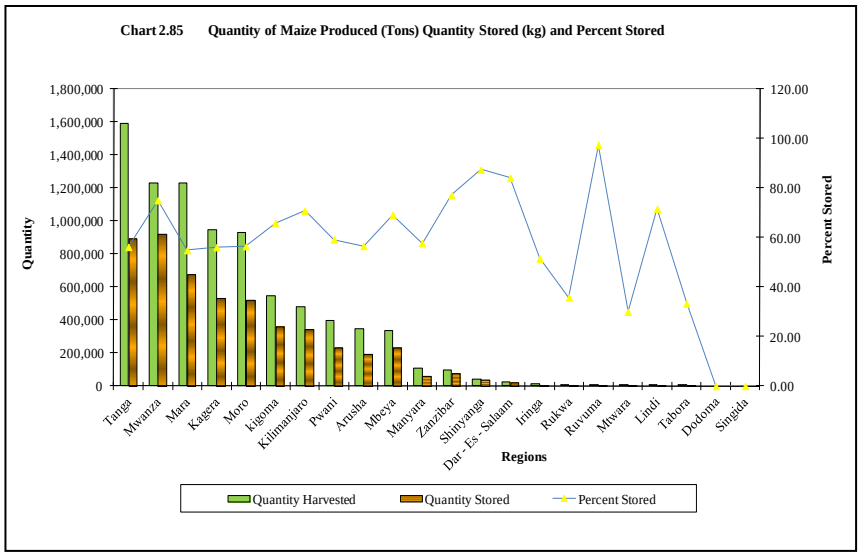


2.9 Crop Storage

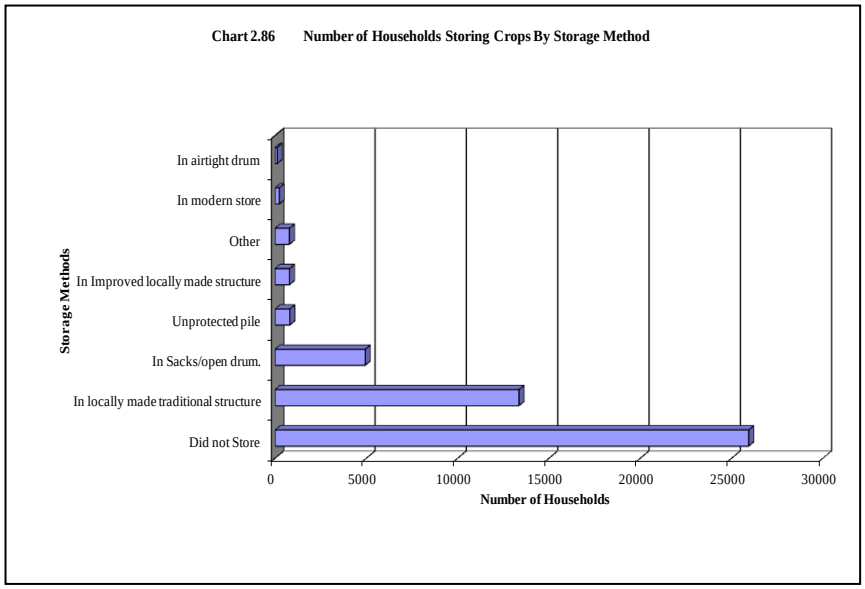


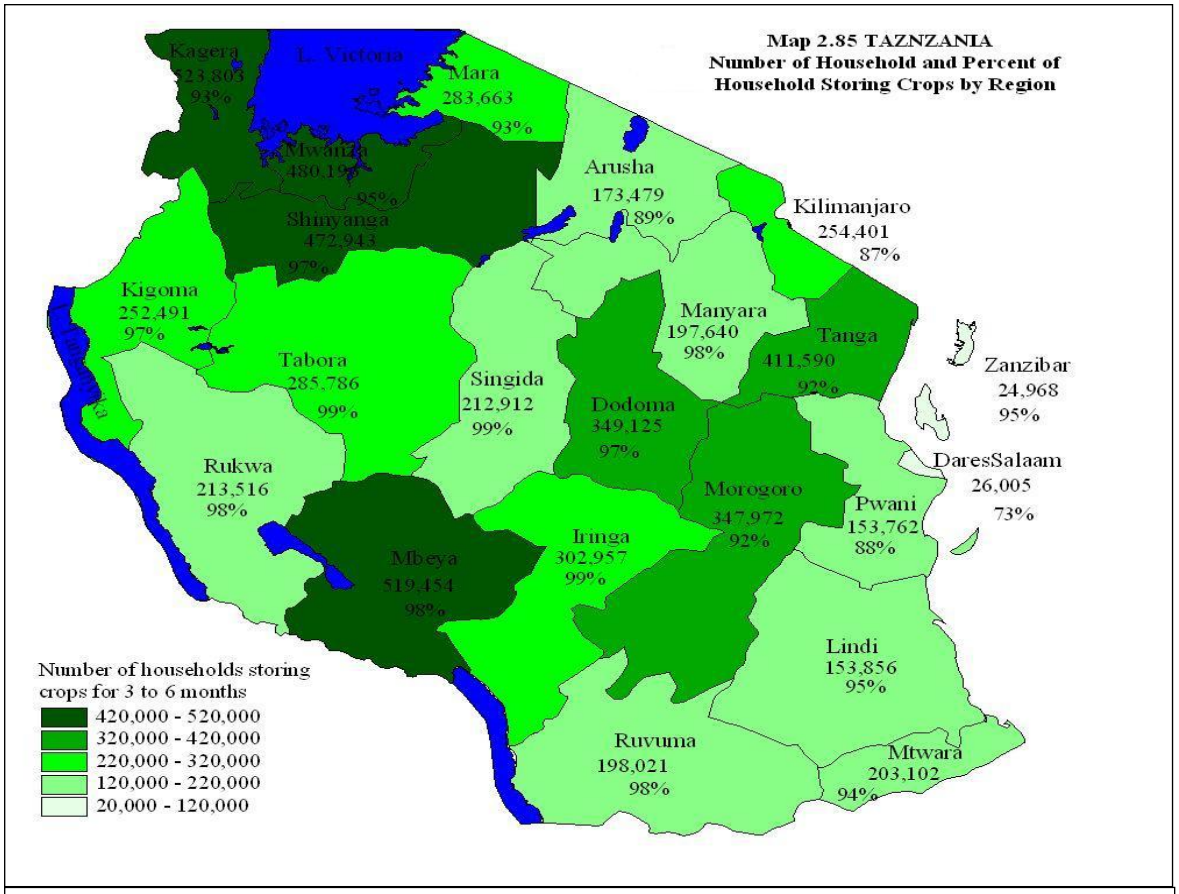
Households growing crops store them for purposes of household food security and for seed for the following planting season. Survey data showed that in all regions on the Mainland and Zanzibar, over 90% of the households that grew crops stored their produce, except Arusha (89%), Pwani (88%) and Kilimanjaro (87%). Dar es Salaam had the least percent (73%) of the households that stored crops (Map 2.85). The major crops stored were maize, followed by beans and other pulses and sweet potatoes. Other crops were also stored by very few households (Chart 2.84).

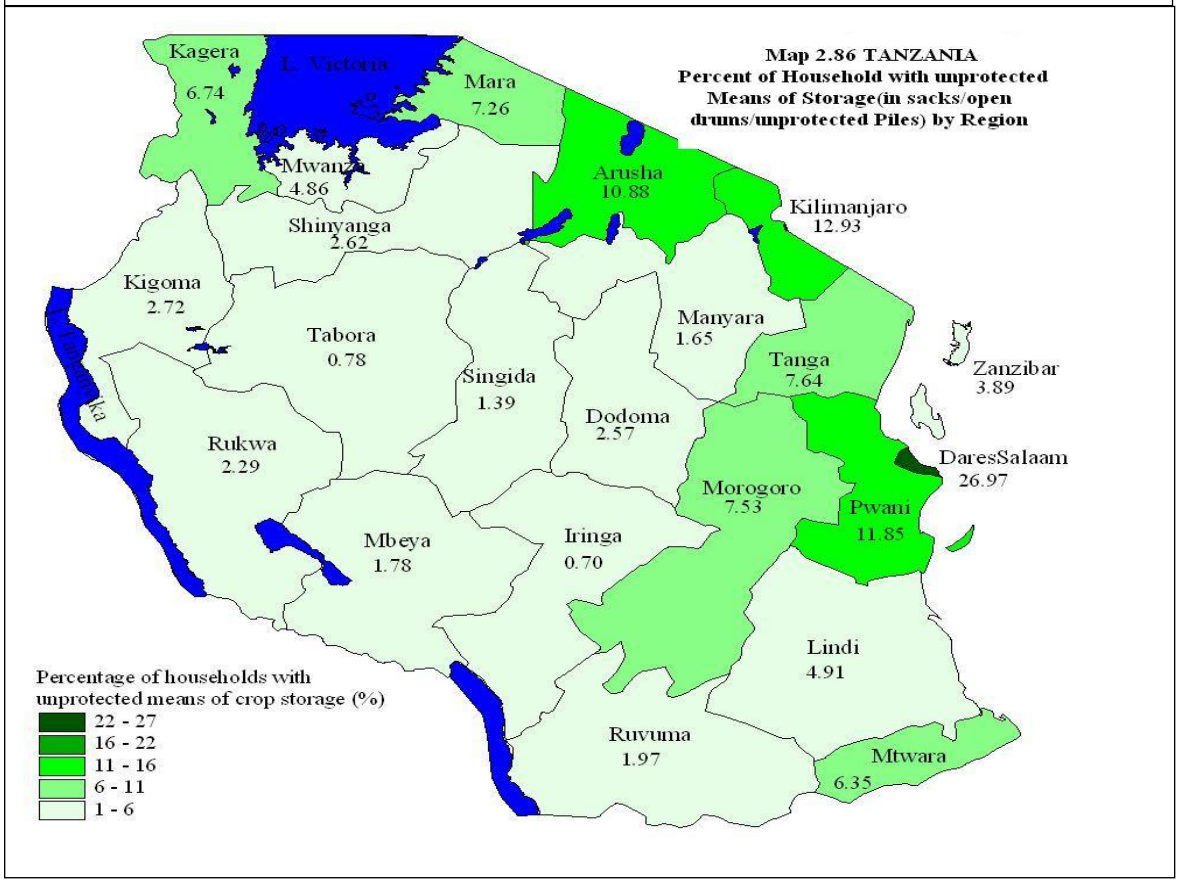
Based on percent of maize stored (Chart 2.85), the region with the highest percent of households storing maize was Ruvuma (97.3%). Other regions with households storing over two-thirds or more of the maize crop were Shinyanga (87.4%), Dar es Salaam (84.2%), Mwanza (75.1%), Lindi (71.6%), Kilimanjaro (70.8%), and Mbeya (69.2%)



Most households did not store crops. However, those that did store mostly used locally made traditional structures (Chart 2.86) followed by sacks/open drum. The other methods including unprotected pile, modern store, and airtight drums were rarely used (Map 2.86).




Map 2.85 TAZNZANIA
Number of Household and Percent of Household Storing Crops by Region
Kagera
23,803
93%
L. Victoria
Mara
283,663
93%
Mwanza
480,196
95%
Shinyanga
472,943
97%
Arusha
173,479
89%
Kilimanjaro
254,401
87%
Kigoma
252,491
97%
Tabora
285,786
99%
Singida
212,912
99%
Manyara
197,640
98%
Tanga
411,590
92%
Zanzibar
24,968
95%
Dodoma
349,125
97%
DaresSalaam
26,005
73%
Rukwa
213,516
98%
Morogoro
347,972
92%
Pwani
153,762
88%
Iringa
302,957
99%
Mbeya
519,454
98%
Lindi
153,856
95%
Ruvuma
198,021
98%
Mtwara
203,102
94%
Number of households storing crops for 3 to 6 months
420,000 - 520,000
320,000 - 420,000
220,000 - 320,000
120,000 - 220,000
20,000 - 120,000


Map 2.86 TANZANIA
Percent of Household with unprotected Means of Storage(in sacks/open drums/unprotected Piles) by Region
Kagera
6.74
L. Victoria
Mara
7.26
Mwanza
4.86
Shinyanga
2.62
Arusha
10.88
Kilimanjaro
12.93
Kigoma
2.72
Tabora
0.78
Singida
1.39
Manyara
1.65
Tanga
7.64
Zanzibar
3.89
Dodoma
2.57
Rukwa
2.29
DaresSalaam
26.97
Morogoro
7.53
Pwani
11.85
Mbeya
1.78
Iringa
0.70
Lindi
4.91
Ruvuma
1.97
Mtwara
6.35
Percentage of households with unprotected means of crop storage (%)
22 - 27
16 - 22
11 - 16
6 - 11
1 - 6

2.10 Crop Marketing

The number of households that reported selling of crops in Tanzania was estimated at 4,652,573 which represent 80 percent of the total number of crop growing households. This shows that most farming households were involved in selling crops even though there were variations across regions. The regions with the highest percent of households that sold crops were Kagera, Mbeya, Shinyanga, Mwanza, Tanga, Morogoro, and Dodoma **(**Chart 2.87 and Map 2.91).

2.10.1 Main Marketing Problems

Households reported various marketing problems. The majority (67%) indicated that too low open market price was the most important marketing problem. Other reported problems were minor, cited by 5% or less of the households growing crops. These included transport cost being too high, crop markets being too far, and lack of transport (Chart 2.88). The magnitude of each of these problems was felt more during the long rains than in short rains.

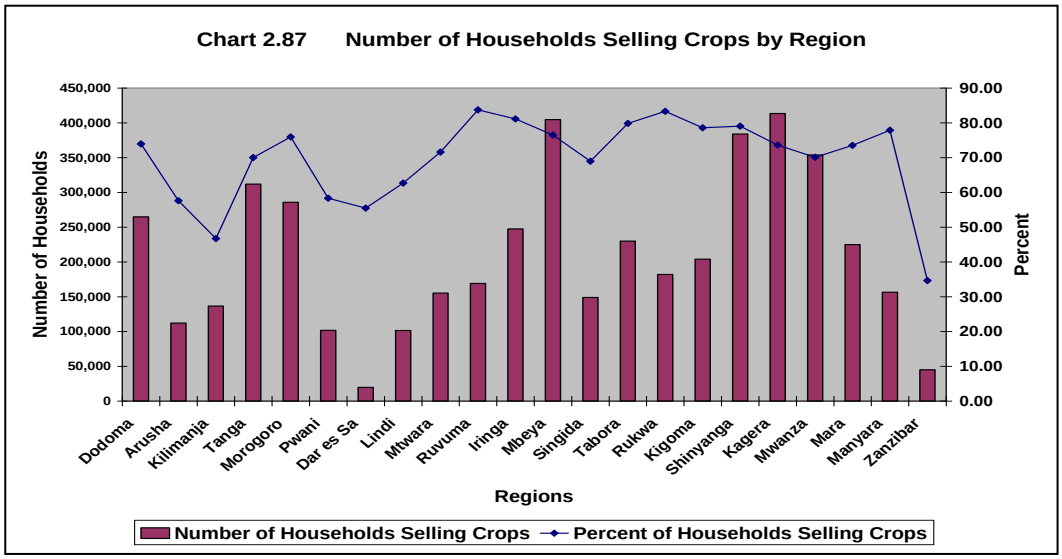
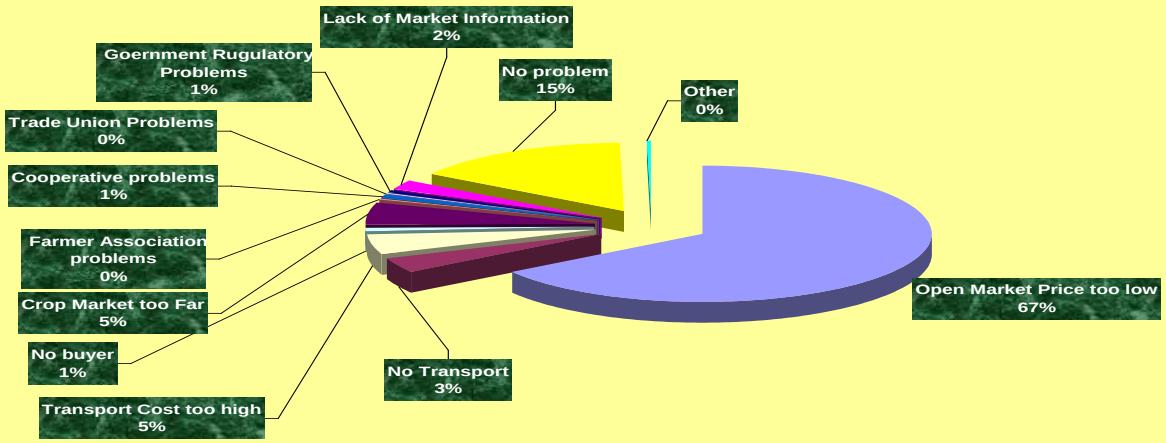
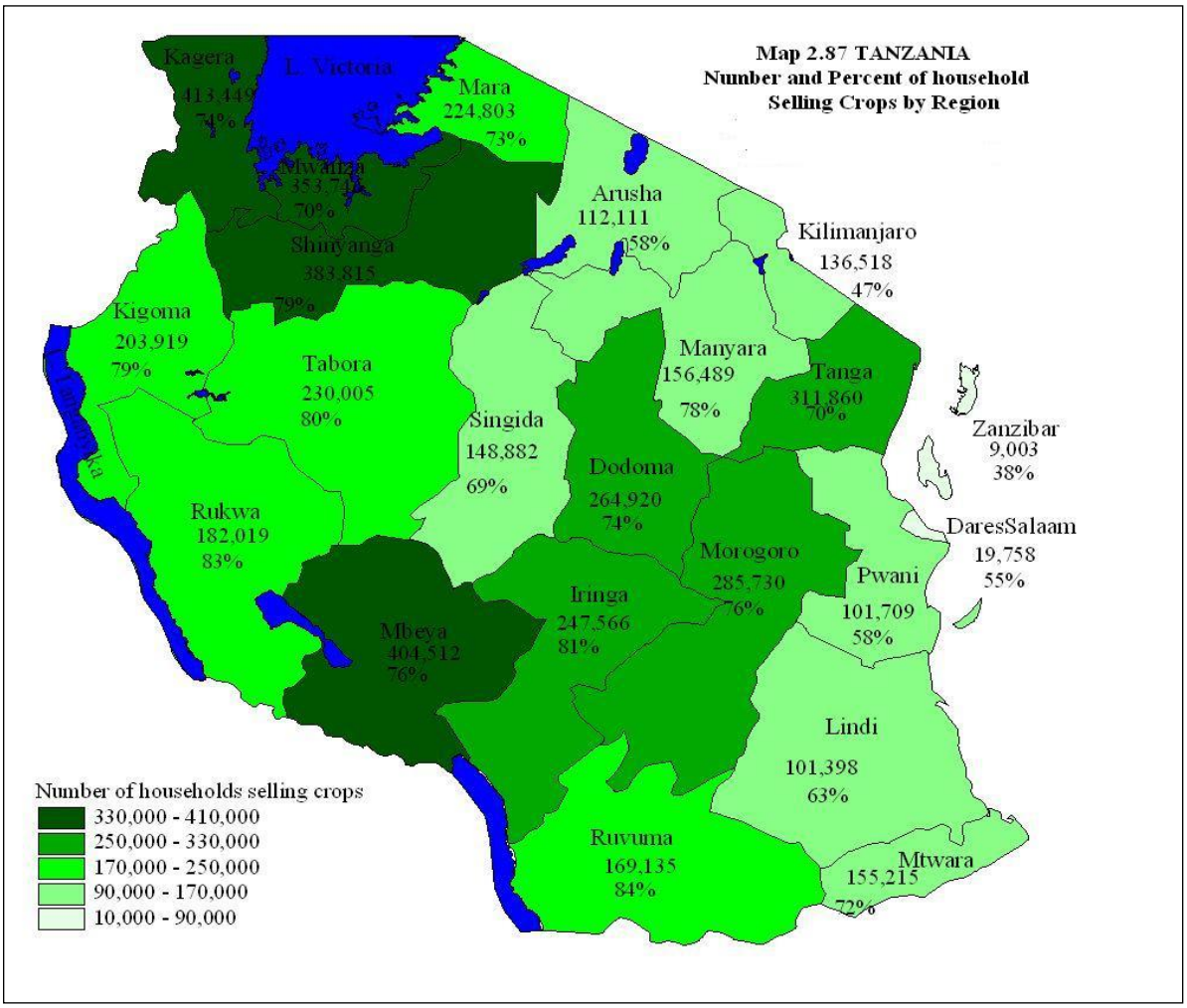


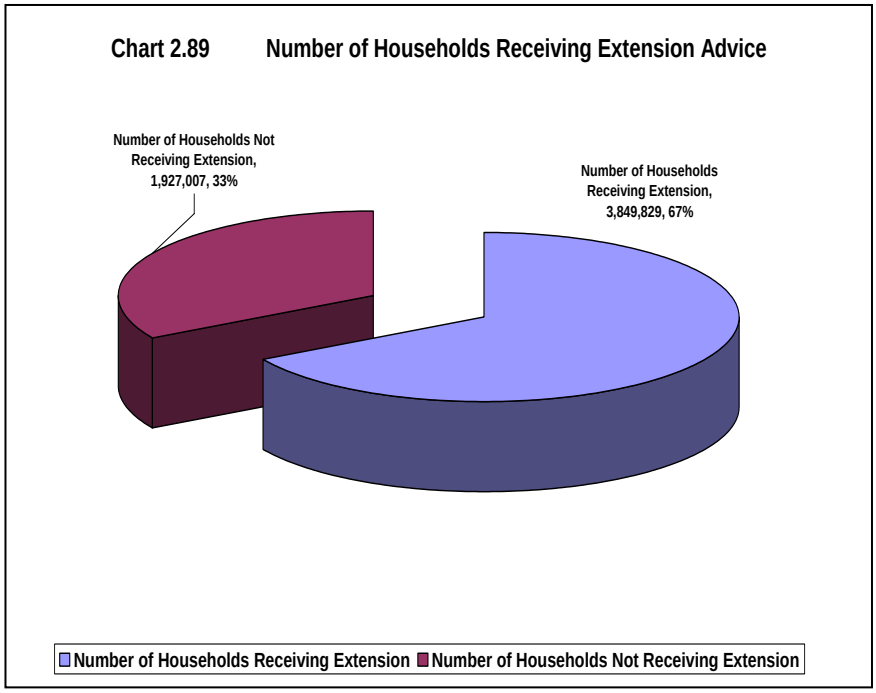
Chart 2.88 Percent of Households Reporting Marketing Problems by Type of Problem



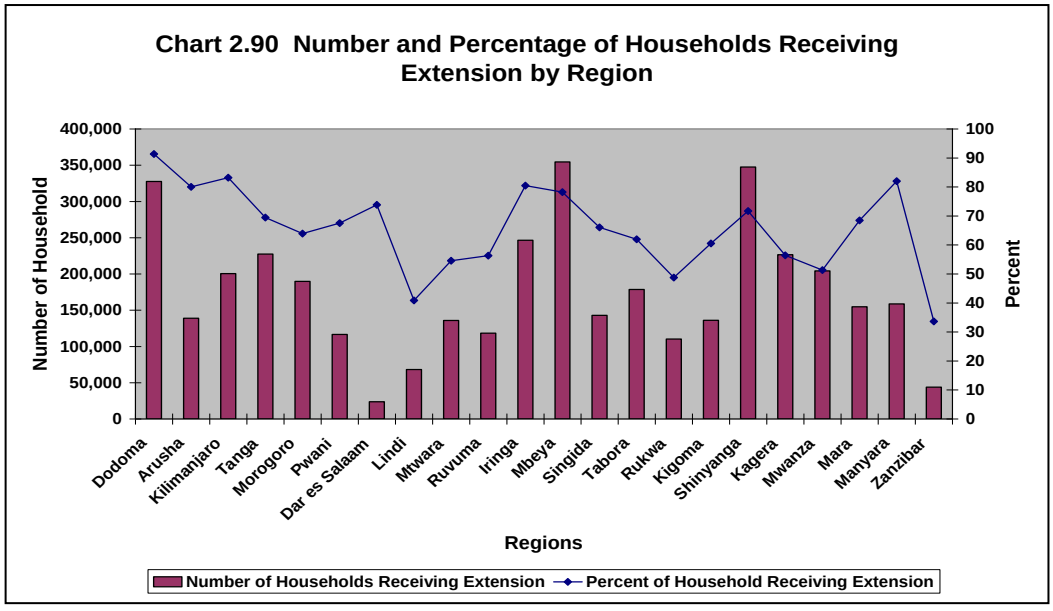


2.11 Crop Extension Services

The number of households that received extension advice in Tanzania (Chart 2.89) in 2007/08 was 3,849,829 (67%) while those that did not were 1,927,007 (33%). A similar percentage distribution also applied when the data on the households that received extension was desegregated between the Mainland and Zanzibar. In this case, 3,805,989 households received extension services in the Mainland and 43,840 households in Zanzibar.



Generally, access to extension advice by farming households varied greatly among regions (Chart 2.90 and Map 2.94). However, the proportion of households receiving extension advice was highest in Dodoma (91.3%), followed by Kilimanjaro (83.2), Manyara (82%), Iringa (80.4%), Arusha (80. %), Mbeya (78.2), and Dar es Salaam (, 73.8). In contrast, the



households receiving the least extension advice were found mostly in Lindi (40.8%), and Rukwa (48.8%) regions.

2.11.1 Extension Services Provider

The government provided most of the extension advice and was able to reach 80 percent of the clients (3,401,131 households, 88%) followed by neighbours (827,470 households, 21.5%). The other sources were mass media, particularly radio/television/newspapers (617,963 households, 16.1%), NGOs/development projects (450,030 households, 11.7%), large scale farmers (174,106, 4.5%) and cooperatives (113,464, 2.9%) (Chart 2.91).

2.11.2 Extension Advice by Type of Provider

The type of extension advice by source clearly demonstrated that the government was the main source of extension followed by, neighbours, and NGO/development project **(**Chart 2.92). However, the only exception is with respect to extension advice on erosion control, and irrigation where NGO/development project was the second most important source of advice instead of neighbours as was the case with other types of extension advice including spacing, agrochemicals, organic and inorganic fertilizer, mechanization and labour saving technologies, improved seeds, crop storage, and vermin control (Chart 2.92).

Chart 2.91 Percent of Households Receiving Extension by Type of Extension Provider

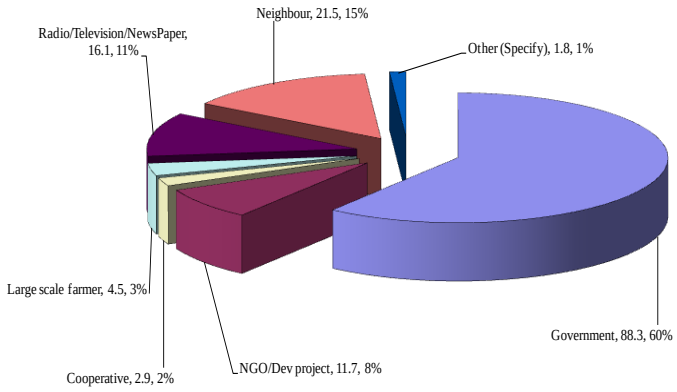
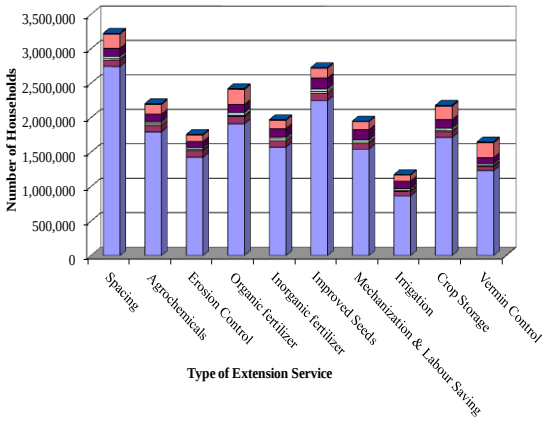
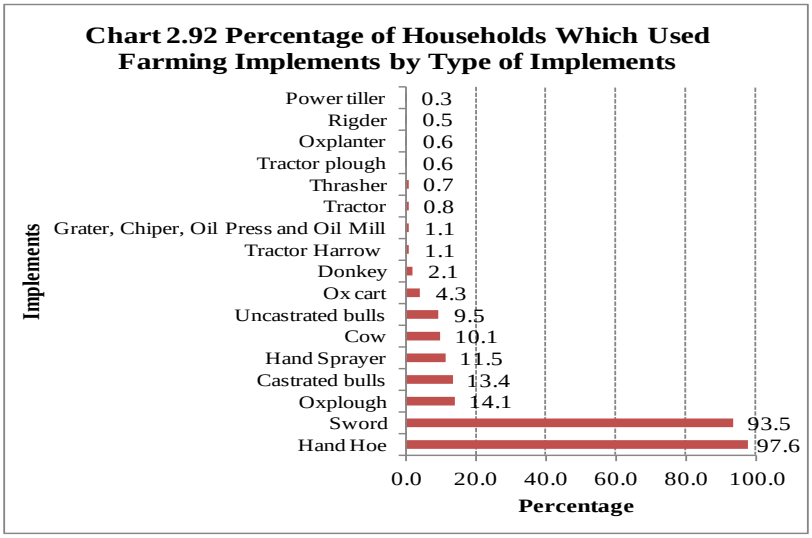


Chart 2.91a Number of Households Receiving Extension Service by Type and Provider

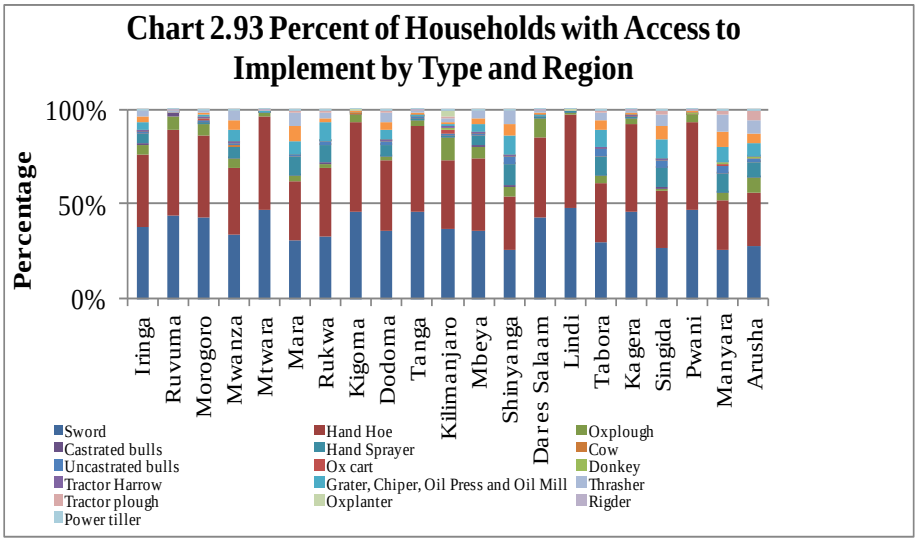


2.12 Access to Implements

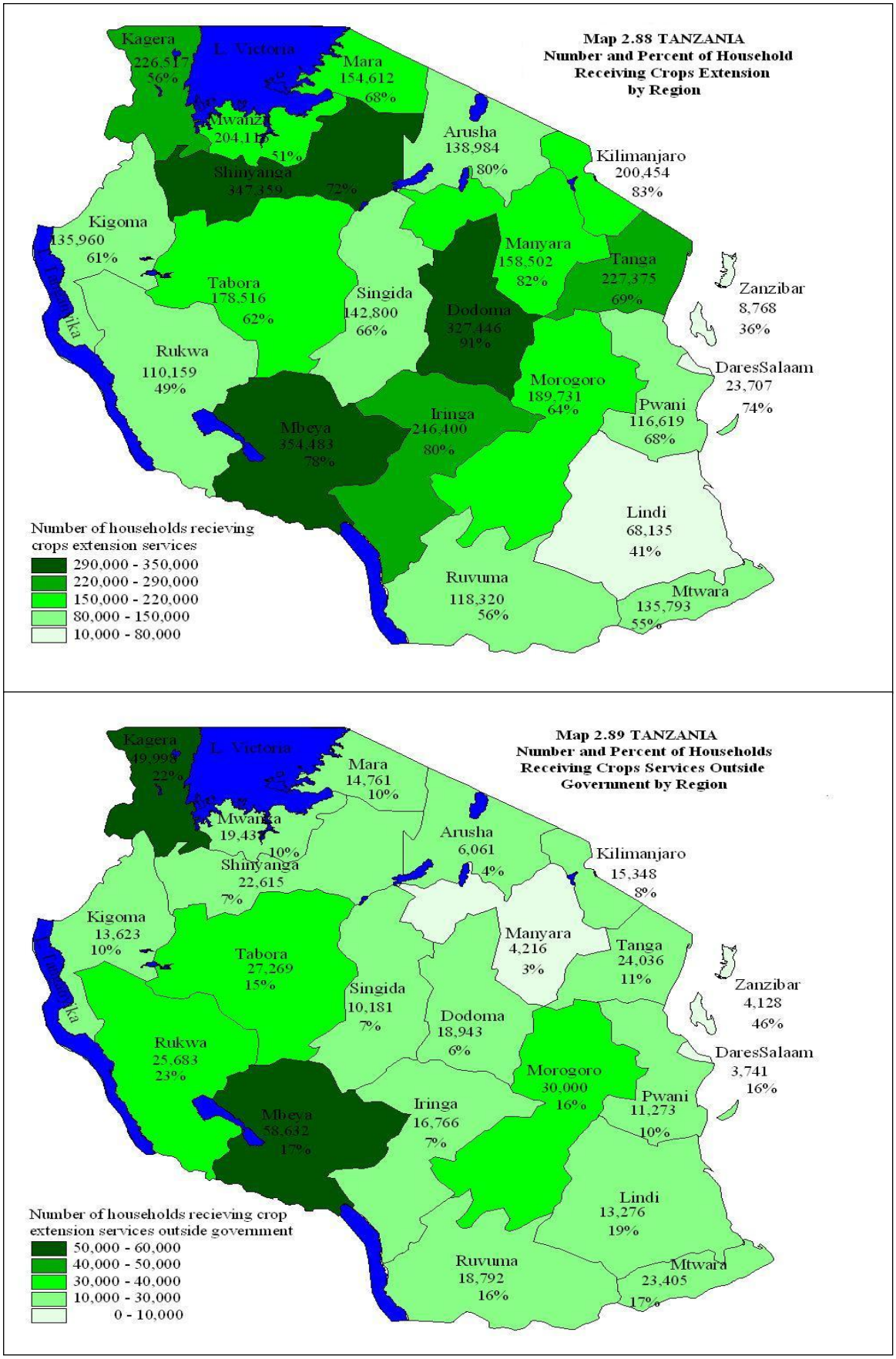
The majority of the implements found on farming households on the Mainland are hand hoes (5,581,182 households, 97.8%) and swords (5,333,002 households, 93.5%). Likewise in Zanzibar, the majority of farming households had access to hand hoes and swords (118,358 households, 89.5% and 123,833 households, 93.7%, respectively). Relatively a small number of households used other farming implements such as ox-plough (823,494 households, 14.4%), castrated bulls (783,089 households, 13.7%), hand sprayers (666,322 households, 11.7%) and cows (579,681 households, 10.2 %).Other farming implements which was used accounted for a very small percent (less than 10%) with powertiller having a least percent of households (0.3%) (Chart 2.92).



On the Mainland, large numbers of households that used hand hoes were mainly found in Iringa, Ruvuma, Morogoro, Mwanza, Mtwara and Mara with about 99% of the total agricultural households Likewise, households that used swords were mainly found in Kilimanjaro (99%), followed by Tanga, Pwani, Kagera and Dar es salaam each with 97 percent. Other regions with access to sword ranged from 87 to 96 percent. The general indication is that the majority of the households relied on manual implements (Chart 2.93 and Map 2.90).



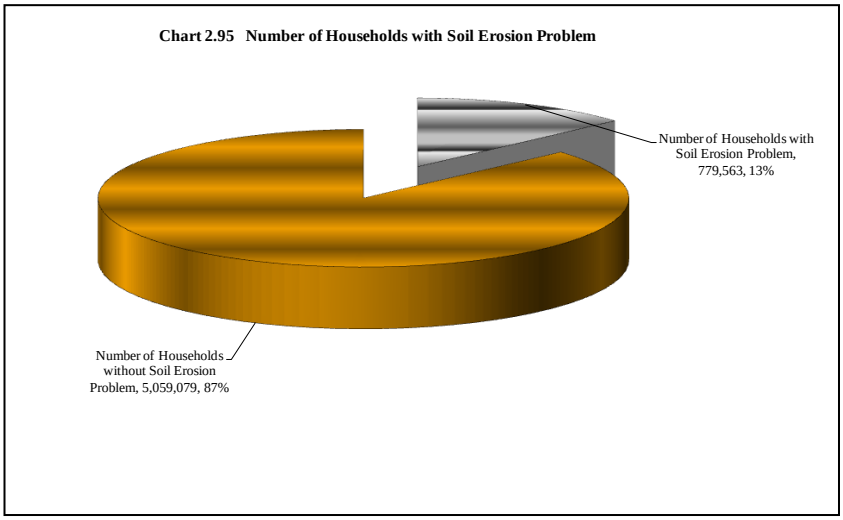
In Zanzibar, the majority of households that had access to hand hoes were found in North Pemba (27.1%), South Pemba (24.8%) and North Unguja (20.5%) while those with access to swords were mainly found in North Pemba (24.5%), South Pemba (23.3%) and North Unguja (23.0%).


Map 2.88 TANZANIA
Number and Percent of Household Receiving Crops Extension by Region
Kagera
226,517
56%
L. Victoria
Mara
154,612
68%
Mwanza
204,116
51%
Shinyanga
347,359
72%
Arusha
138,984
80%
Kilimanjaro
200,454
83%
Kigoma
135,960
61%
Tanganyika
Tabora
178,516
62%
Singida
142,800
66%
Manyara
158,502
82%
Tanga
227,375
69%
Zanzibar
8,768
36%
Dodoma
327,446
91%
Rukwa
110,159
49%
DaresSalaam
23,707
74%
Morogoro
189,731
64%
Pwani
116,619
68%
Iringa
246,400
80%
Mbeya
354,483
78%
Lindi
68,135
41%
Ruvuma
118,320
56%
Mtwara
135,793
55%
Number of households recieving crops extension services
290,000 - 350,000
220,000 - 290,000
150,000 - 220,000
80,000 - 150,000
10,000 - 80,000
Map 2.89 TANZANIA
Number and Percent of Households Receiving Crops Services Outside Government by Region
Kagera
49,998
22%
L. Victoria
Mara
14,761
10%
Mwanza
19,437
10%
Shinyanga
22,615
7%
Arusha
6,061
4%
Kilimanjaro
15,348
8%
Kigoma
13,623
10%
Tanganyika
Tabora
27,269
15%
Singida
10,181
7%
Manyara
4,216
3%
Tanga
24,036
11%
Zanzibar
4,128
46%
Dodoma
18,943
6%
Rukwa
25,683
23%
DaresSalaam
3,741
16%
Morogoro
30,000
16%
Pwani
11,273
10%
Iringa
16,766
7%
Mbeya
58,632
17%
Lindi
13,276
19%
Ruvuma
18,792
16%
Mtwara
23,405
17%
Number of households recieving crop extension services outside government
50,000 - 60,000
40,000 - 50,000
30,000 - 40,000
10,000 - 30,000
0 - 10,000

2.13.2 Soil Erosion Control and Water Harvesting Facilities

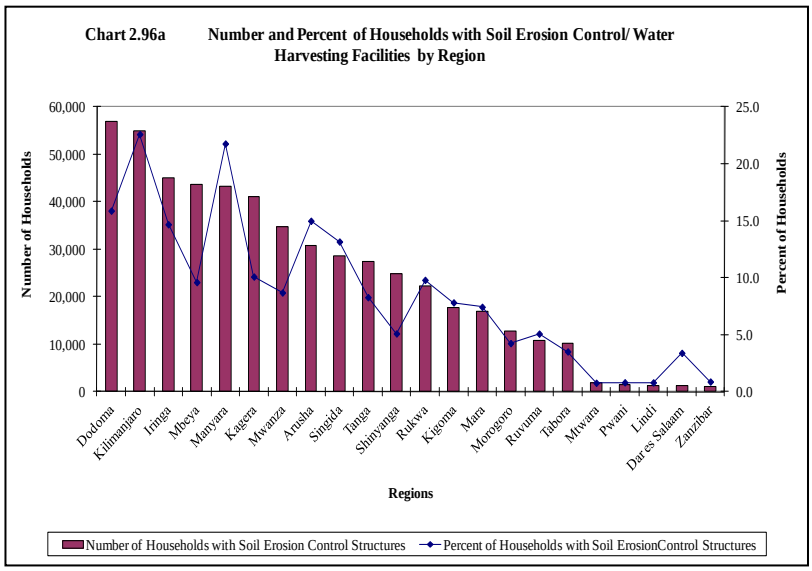
Soil erosion was not considered a serious problem in rural area households. The number of households that reported having soil erosion problems was 779,563 accounting for 13% of the total agricultural households. In contrast 87% (5,059,079 households) reported not having soil erosion problems (Chart 2.95).

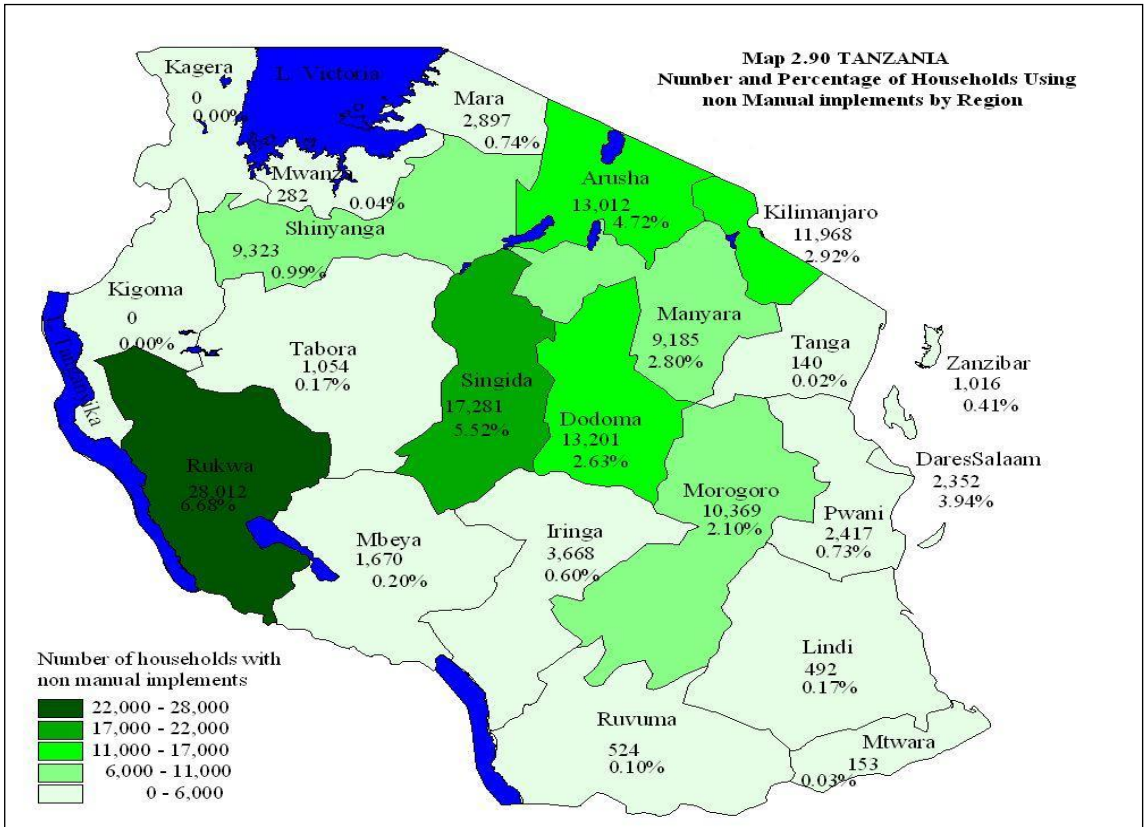
Chart 2.95 Number of Households with Soil Erosion Problem

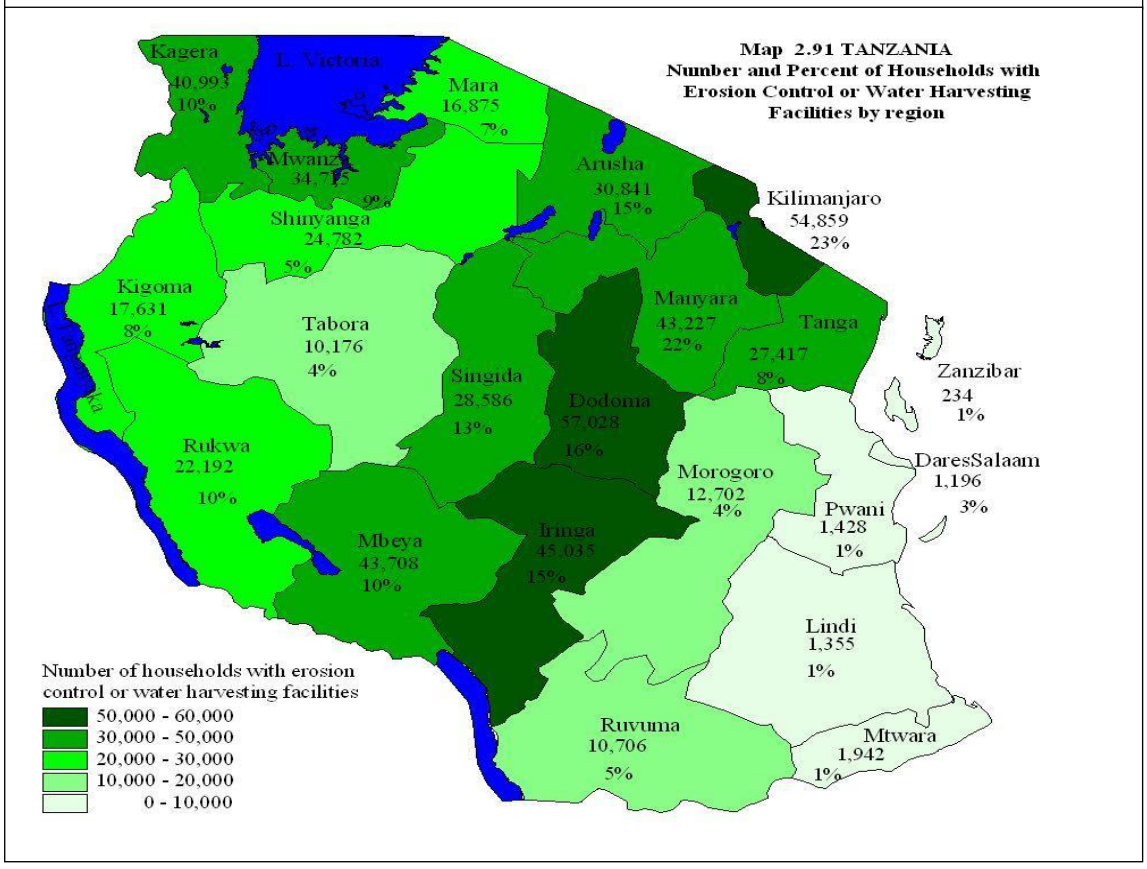


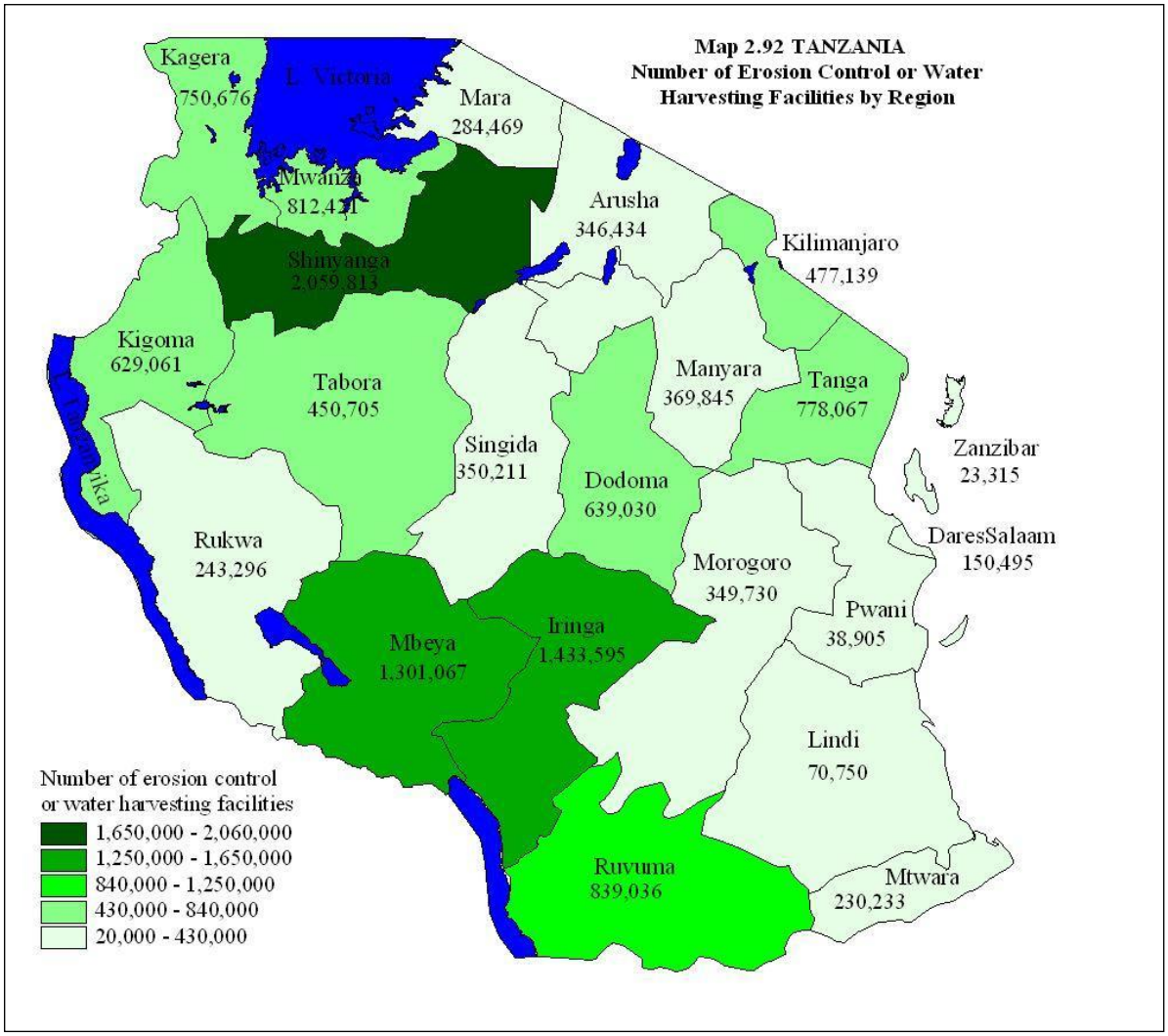
However, efforts to control soil erosion have been made (Chart 2.96a and Maps 2.91 and 2.92) such that Kilimanjaro had the highest proportion of households with soil erosion control and water harvesting facilities (22.6%), followed by Manyara (21.8%), Dodoma (15.9%), Arusha, (15.0%) and Iringa (14.7%). On the other hand, Zanzibar, Pwani, Lindi and Mtwara had the lowest number and percent of households with soil erosion and water harvesting facilities (less than 1%).

Chart 2.96a Number and Percent of Households with Soil Erosion Control/ Water Harvesting Facilities by Region




Map 2.90 TANZANIA
Number and Percentage of Households Using non Manual implements by Region
Kagera
0
0.00%
L. Victoria
Mara
2,897
0.74%
Mwanza
282
0.04%
Shinyanga
9,323
0.99%
Arusha
13,012
4.72%
Kilimanjaro
11,968
2.92%
Kigoma
0
0.00%
Tabora
1,054
0.17%
Singida
17,281
5.52%
Manyara
9,185
2.80%
Tanga
140
0.02%
Zanzibar
1,016
0.41%
Dodoma
13,201
2.63%
DaresSalaam
2,352
3.94%
Rukwa
28,012
6.68%
Morogoro
10,369
2.10%
Pwani
2,417
0.73%
Mbeya
1,670
0.20%
Iringa
3,668
0.60%
Lindi
492
0.17%
Ruvuma
524
0.10%
Mtwara
153
0.03%
Number of households with non manual implements
22,000 - 28,000
17,000 - 22,000
11,000 - 17,000
6,000 - 11,000
0 - 6,000


Map 2.91 TANZANIA
Number and Percent of Households with Erosion Control or Water Harvesting Facilities by region
Kagera
40,993
10%
L. Victoria
Mara
16,875
7%
Mwanza
34,775
9%
Shinyanga
24,782
5%
Arusha
30,841
15%
Kilimanjaro
54,859
23%
Kigoma
17,631
8%
Tabora
10,176
4%
Manyara
43,227
22%
Tanga
27,417
8%
Zanzibar
234
1%
Singida
28,586
13%
Dodoma
57,028
16%
Rukwa
22,192
10%
Morogoro
12,702
4%
DaresSalaam
1,196
3%
Pwani
1,428
1%
Mbeya
43,708
10%
Iringa
45,035
15%
Lindi
1,355
1%
Ruvuma
10,706
5%
Mtwara
1,942
1%
Number of households with erosion control or water harvesting facilities
50,000 - 60,000
30,000 - 50,000
20,000 - 30,000
10,000 - 20,000
0 - 10,000


Map 2.92 TANZANIA
Number of Erosion Control or Water Harvesting Facilities by Region
Kagera
750,676
L. Victoria
Mara
284,469
Mwanza
812,431
Shinyanga
2,059,813
Arusha
346,434
Kilimanjaro
477,139
Kigoma
629,061
Tabora
450,705
Singida
350,211
Manyara
369,845
Tanga
778,067
Zanzibar
23,315
L. Tanganyika
Dodoma
639,030
Rukwa
243,296
DaresSalaam
150,495
Morogoro
349,730
Pwani
38,905
Mbeya
1,301,067
Iringa
1,433,595
Lindi
70,750
Ruvuma
839,036
Mtwara
230,233
Number of erosion control or water harvesting facilities
1,650,000 - 2,060,000
1,250,000 - 1,650,000
840,000 - 1,250,000
430,000 - 840,000
20,000 - 430,000

2.14 Agricultural Credits

In the census, household members were asked to provide at most three main sources of credits by rank of importance.The results show that, only 2.4 percent of the total agricultural households borrowed money for agricultural activities. The reason for, was that, most (31.1%) of the agricultural households did not borrow money because they did not know how to get credit for agriculture. Those who reported that credit was not available accounted for 18.3 percent and those who reported that they don't know about credits were 18.0 percent.The remaining reported reasons were less than 15 percent (Chart 2. 97a). The highest percentage of the received credits for agricultural activities was occupied by females in all the three ranks of importance (annex tables 7.7, 7.8 and 7.9).

Chart 2.97 Number of Households Receiving Credit by Main Source of Credit Second Rank of Importance

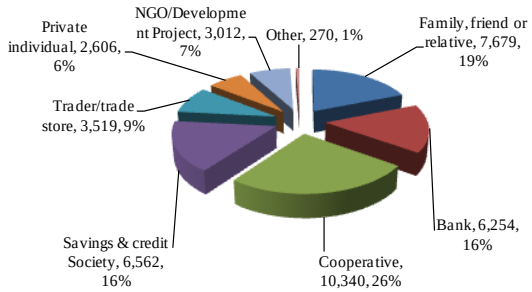


Chart 2.97a Percent of Households Reporting the Main Reasons for not acquiring Credit

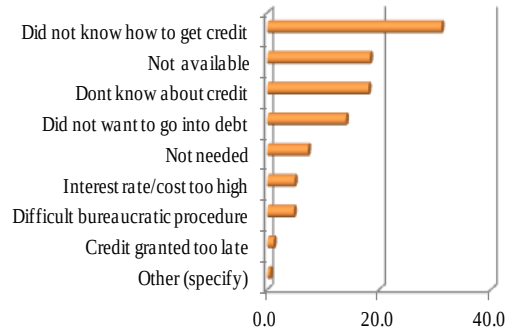
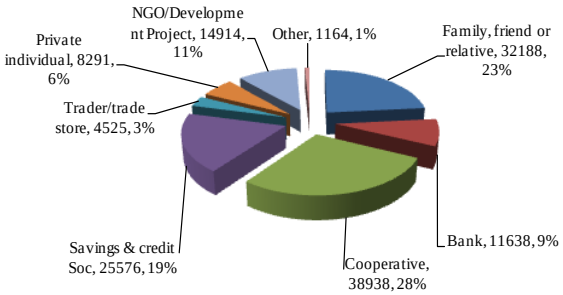
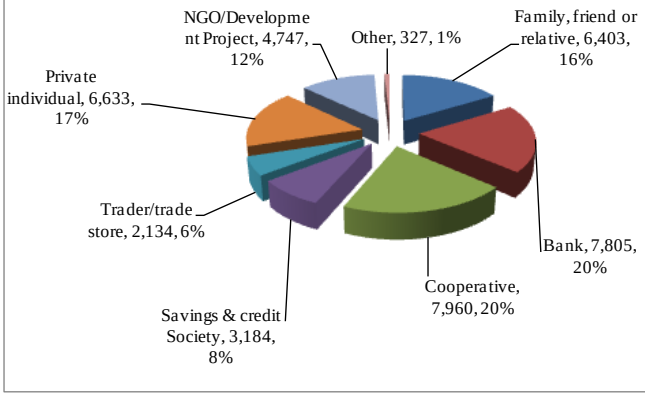


Chart 2.97b Number of Households Receiving Credit by Main Source of Credit First Rank of Importance



In the first rank of importance, the main agricultural credit providers to the households in Tanzania were cooperatives which provided credit to (38,398 agricultural households, 28%) followed by family, friends or relatives (32,188 households, 23%) and savings and credit

Chart 2.98 Number of Households Receiving Credit by Main Source of Credit Third Rank of Importance



societies (25,576 households, 19%). The remaining sources accounted for less than 15% (Chart 2.97a). While in the second rank of importance, cooperatives which had 26 percent and family, friends or relatives (19%) were still the main providers of agicultural credits followed by savings and credit societies and banks each with 16 percent.

In the third rank of importance, the main providers of agricultural credit were banks and cooperatives each with 20% percent followed by private individuals (17%) (Chart 2.98).

2.15 Poverty Indicators

2.15.1 Roofing Materials

The main type of roofing materials both in the Mainland (48.9 percent) and Zanzibar (60.5 percent) rural agriculture households dwelling was iron sheets followed by grass/leaves with Mainland (38.2%) and Zanzibar (35.4%). The percentage of households using iron sheet for roofing has increased from 37.1 percent in the 2002/03 census to 48.9 percent in the 2007/08 census while for grass/leaves roofing material the percentage has decreased from 46.8 in 2002/03 census to 38.2 in the 2007/08 census in the Mainland (Table 2.15). The percentage of dwellings that used modern materials in the Mainland was 51 and that of Zanzibar was 64.

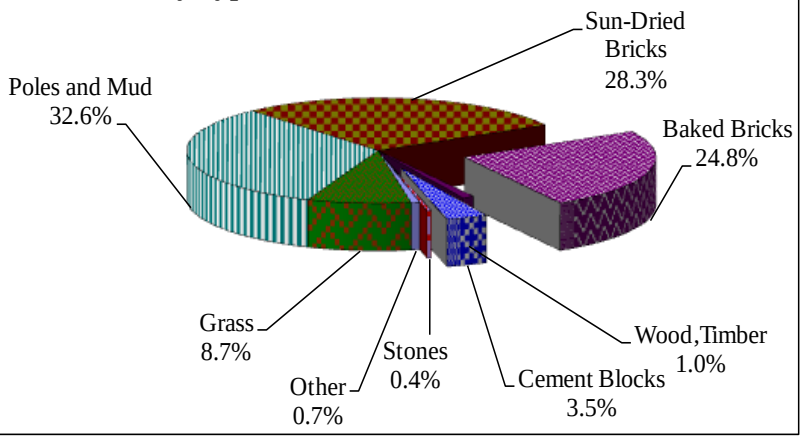
Table 2.15 Type of Roofing Materials, 2007/08 and 2002/03 Agricultural Years

Roofing Materials	2007/08					2002/03	
	Mainland	%	Zanzibar	%	Tanzania	Mainland	%
Iron Sheets	2,787,961	48.9	79,978	61	2,867,939	1783695	37.1
Tiles	45,862	0.8	2,732	2.1	48,594	37198	0.8
Concrete	7,943	0.1	475	0.4	8,418	11236	0.2
Asbestos	55,386	1	1,557	1.2	56,943	19290	0.4
Grass/Leaves	2,179,485	38.2	46,782	35	2,226,267	2249850	46.8
Grass & Mud	617,687	10.8	554	0.4	618,242	693646	14.4
Other	12,005	0.2	115	0.1	12,120	10400	0.2
Total	5,706,329	100	132,193	100	5,838,523	4,805,315	100

2.15.2 Wall Materials

There are different materials used for construction of houses. In Tanzania the wall materials used for constrution of household dwellings in rural agriculture households depend on the area. Some regions prefer to use baked bricks, some un-dried bricks etc.

Chart 2.99 Percentage Distribution of Households by Type of Wall Material

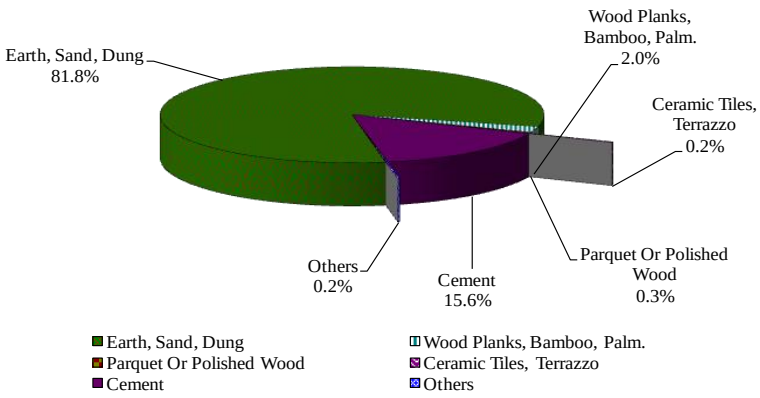


The leading materials (Chart 2.99) used for rural agriculture households in Tanzania were made of poles and mud (32.6%) followed by sun-dried bricks (28.3%), baked bricks (24%). The leading materials used to construct walls for dwelling in the Mainland are poles and mud (32.2 %) followed by sun –dried bricks (28.9), while the leading materials in Zanzibar were poles and mud (51%) followed by cement blocks (21%).

2.15.3 Floor Materials

Floor materials is one of the indicator of better health environment especially for children in the households. A good number of dwellings in Tanzania (81.8%) use earth, sand and dung (Chart 2.100) followed by cement (15.6%). The situation is comparable in both Mainland and Zanzibar.

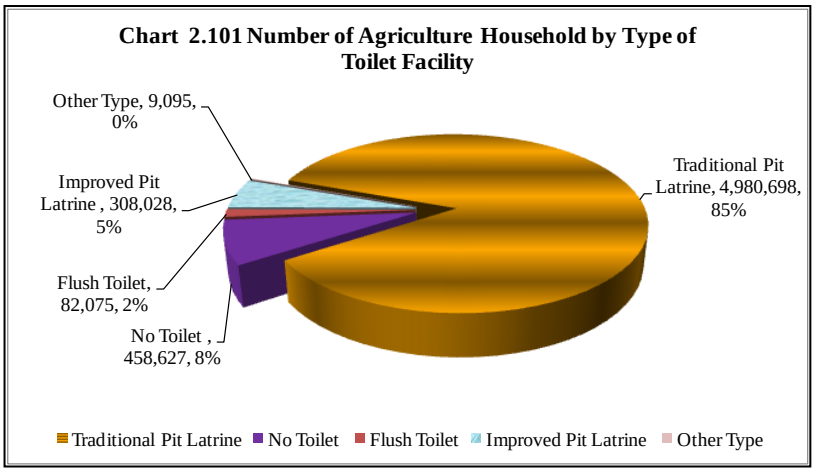
Chart 2.100 Percentage Distribution of Households by Type of Floor Material



2.15.4 Toilet Facilities

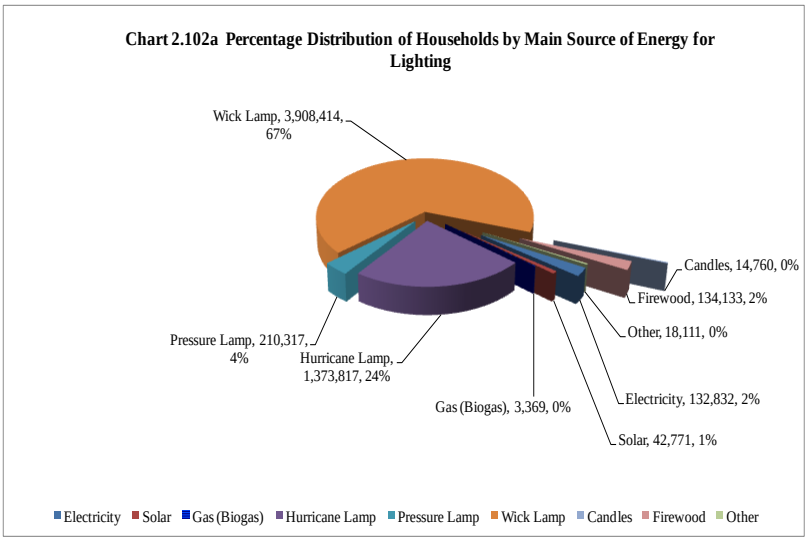
Most rural agricultural households in Tanzania use traditional pit latrines (4,980,698 househlds , 85.3%) which compares favourably with the situation in 2002/03 (4,242,138 households, 88.3%). Furthermore, the proportion of households without toilets also remained similar between 2007/08 (458,627 households, 7.9%) and 2002/03 (368,675 households, 7.7%) The number of households with improved pit latrines has increased (308,028 households, 5.3) in 2007/08 census as compared to that of 2002/03 census which was (82,435 households, 1.6%). More than one third of the households in Zanzibar (37.6) have no toilets, which was an improvement when compared to 2002/03 Census data where 49% of the households reported not to have toilet facilities (Chart 2.101).

Chart 2.101 Number of Agriculture Household by Type of Toilet Facility



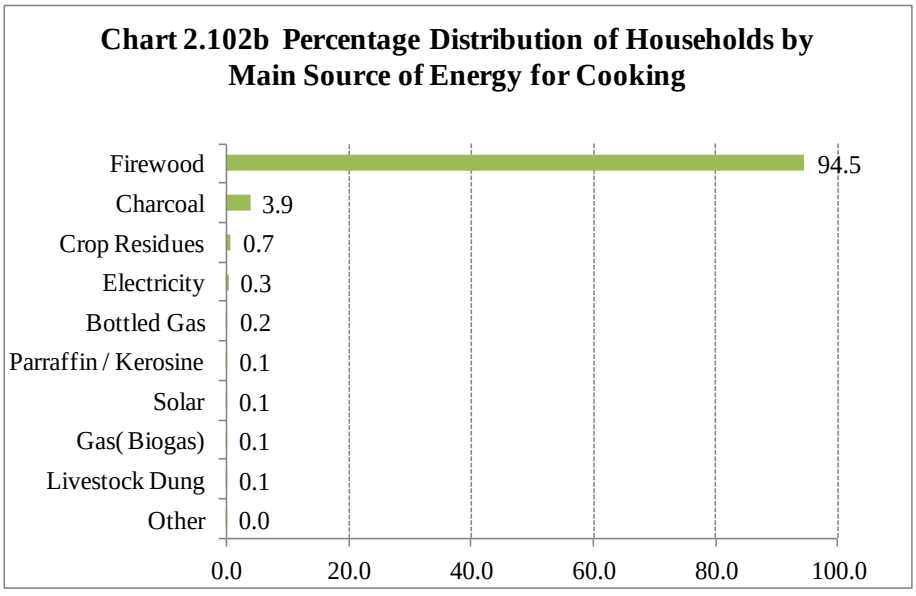
2.15.5 Source of Energy for Lighting

Source of energy for lighting is one of the indicator for development of a country and health. Wick lamp is the most common source of lighting energy in Tanzania (Chart 2.102a) used by 67% of the households which is a slight improvement compared to 70% recorded in 2002/03. The second most commonly used source of energy for lighting was the hurricane lamp (24% compared to 22% in 2003), followed by the pressure lamp (4% compared to 3.4% in 2003), firewood (2% compared to 2.5% in 2003), mains electricity (2% compared to1.5% in 2003), candles (0.3% compared to 0.2% in 2003), solar (0.7% compared to 0.2% in 2003), and gas or biogas (0.1% same as 2003). The wick lamp was also the main source of energy for lighting in Zanzibar (72% compared to 73% in 2003) folowed by mains electricity (12.2% compared to 5.1% in 2003).



2.15.6 Source of Energy for Cooking

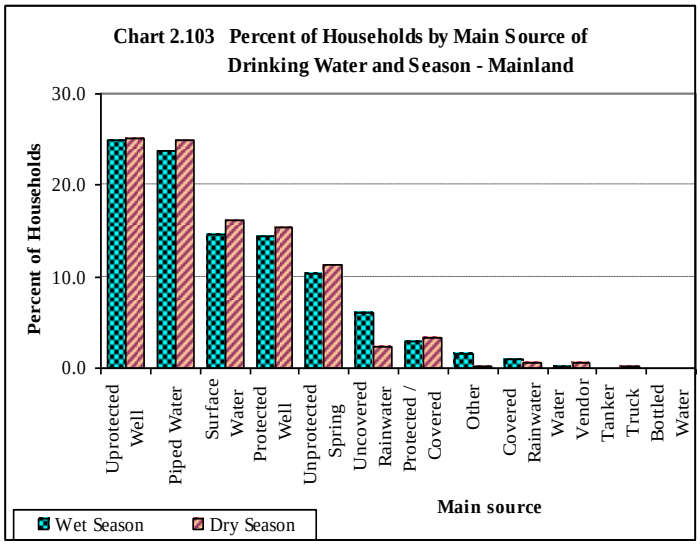
The most prevalent source of energy for cooking was firewood, which was used by 94.5% compared to 96.1% of all rural agricultural households in Tanzania during 2003. Charcoal accounted for (3.9% compared to 2.6% in 2003). The remaining sources of energy for



cooking (Chart 2.102b) were crop residues, paraffin or kerosene, mains electricity, solar, livestock dung and bottled gas together accounted for 1.7 percent of households in Tanzania.

2.15.7 Access to Drinking Water

Water is one of the necessities of the day to day life of a human being. The information collected on main source of drinking water was for dry season and wet season. There is a very small difference but the pattern is the same for both seasons.

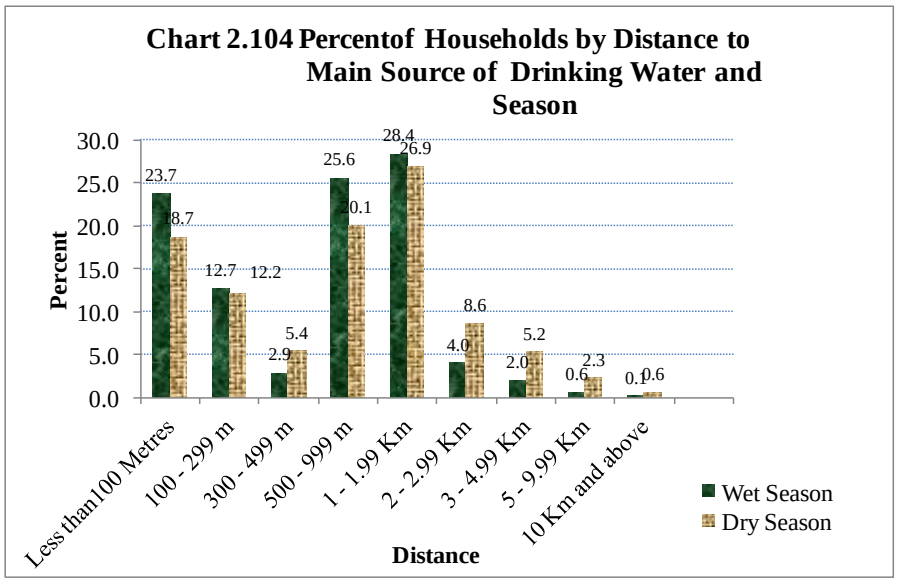


The main source of drinking water for rural agricultural households in Tanzania for both seasons (Chart 2.103) was from unprotected wells with 25 percent as compared to 28 percent during dry season and 26 percent in the wet season during 2002/03 agriculture sample census.

The second most common source was piped water (25 % compared to 24% of households in 2003 during the dry season and 24% compared to 23% in the wet season); lakes /dams/rivers (16 % compared to 15% of households in the dry season during 2003 and 15% compared to 14% in 2003 during the wet season); protected wells (15% compared to14% of households in the dry season during 2003 and 14% compared to13% in the wet season during 2003); unprotected spring (11% compared to 14% in dry season during 2003 and 10% compared to14% in wet season during 2003). Other sources of drinking water had less than 10 percent (Chart 2.103).

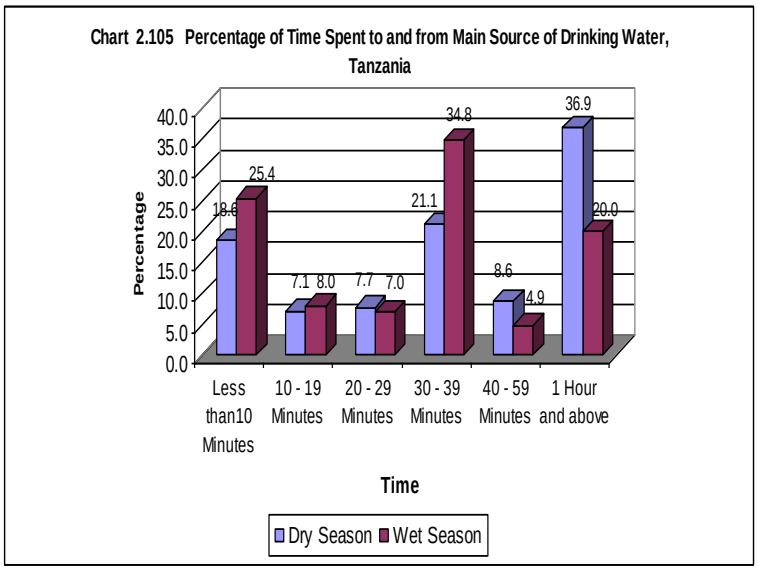
The distance to the source of water contributes very much to the household activities. Most rural agriculture households on the Mainland (64.9%) live less than 1 kilometre from the nearest source of drinking water during the wet season, compared to 56.4 percent during the dry season.

There is little difference in access to drinking water between the wet and the dry season with the exception of those households that live far from the source. During the dry season 35.5 percent of the households obtain drinking water from a distance of between1 and 3 kilometres compared to 32.4 percent during wet season. Very few (2.7%) households travel 3km and above to obtain drinking water during the wet season, however during the dry season it is 8.1 percent Chart 2.104).



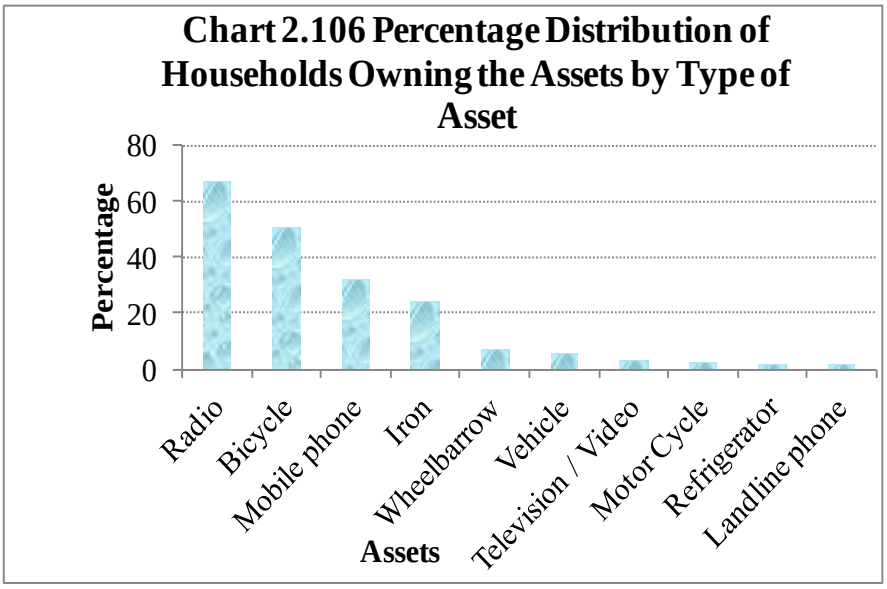
2.15.8 Time Spent to Main Source of Drinking Water

Rural agriculture households that spent less than 10 minutes to get to the source, wait for water and return home were 18.6% during dry season and 25.4% during the wet season. On the other hand, households that spent from 10 minutes to 19 minutes were 7.1% in dry season and 8% in wet season (Chart 2.105). Households that spent more than 30 minutes were 67% during dry season and 60% in wet season.



2.15.9 Ownership of Assets

A radio was the most commonly owned asset in rural agriculture households with 67% of the total agricultural households (3,920,047 households) owning at least one radio compared to 55% in 2003

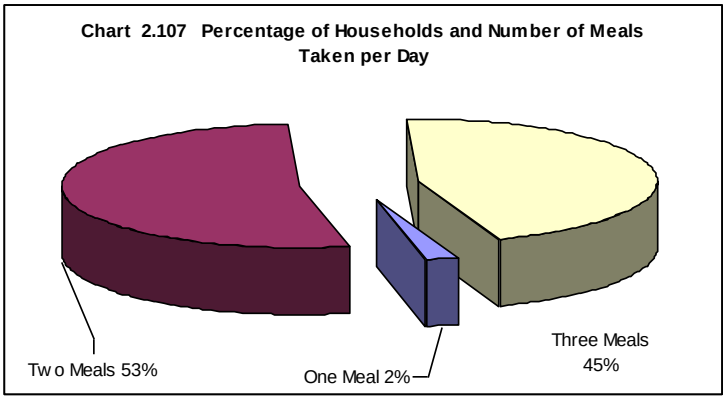


Bicycles were the next most common asset owned (51% as compared to 43% in 2003) followed by mobile phones (32% compared to 2% in 2003) and pressing iron (24% compared to19% in 2003), (Chart 2.106).

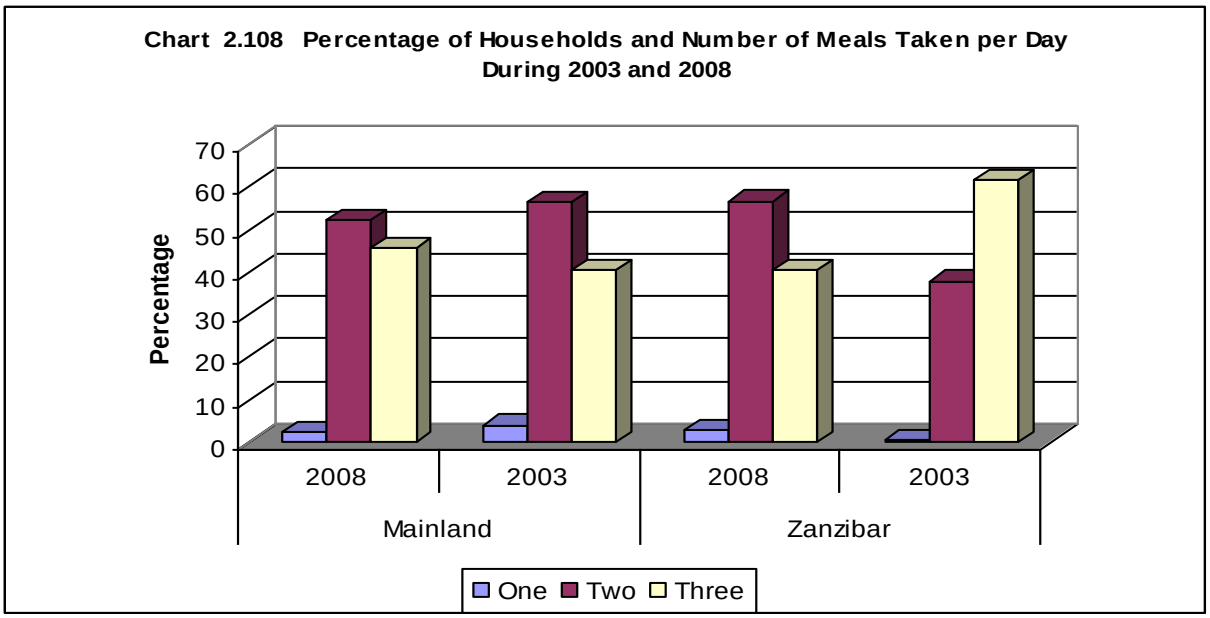
2.15.10 Food Consumption Pattern

2.15.10.1 Number of Meals per Day

The number of meals normally taken by a rural agriculture household in the country is either two (53% compared to 56% in 2003) or three (45% compared to 41 percent in 2003) meals per day. Only 2 percent of the rural agriculture households take one meal per day compared to 3 percent in 2003 (Chart 2.107).

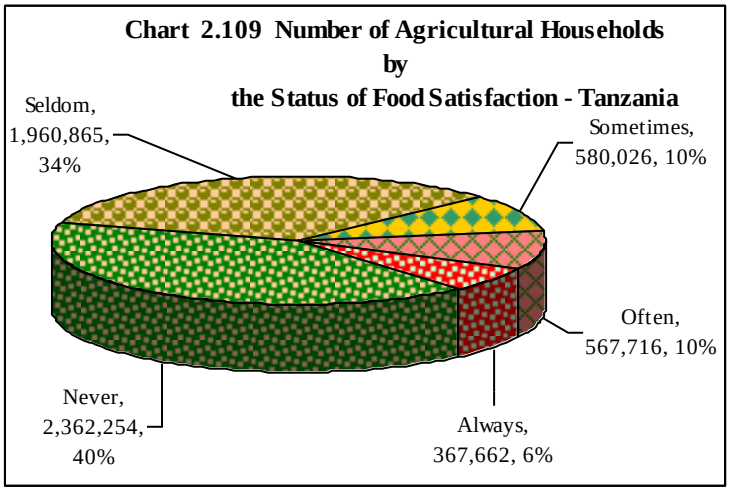


The number of meals taken per day in Zanzibar (Chart 2.108) has increased from 1% in 2003 to 3% in 2008 and those households taking two meals per day also has increased from 38% in 2003 to 57% in 2008 while households taking three meals per day has decreased from 62% in 2003 to 40% in 2008



2.15.10.2 Household Food Security

In Tanzania, 1, 960,865 households (34% of the rural agricultural households in the country) compared to 1,547,815 households (32 %) in 2003 rarely experienced problems in satisfying the household food requirements. Only 580,026 households (10%) compared to 342,642 households (7%) in 2003 sometimes experienced problems in satisfying their food requirements; 10 percent often experienced problems for both time periods and 6 percent compared 7 percent in 2003, always had food problems. About 40 percent compared to 44 percent, in 2003, of the agricultural households never experienced food insufficiency problems (Chart 2.109).



In Zanzibar, 41 percent never experienced food insufficiency compared to 60 percent in 2003. The percentage of households that rarely experienced problems was 36 percent compared to 27 in 2003.

Overall, 5 percent of the households reported to always have food problems in Zanzibar as compared to 2 percent in 2003.

2.16 Conclusions and Recommendations

The Agriculture Census collected a large amount of data on, among others, crop and livestock production and planted area, input use, storage, marketing, and farmer access to extension services. The analysis of the crop sector in this report focuses mainly on production, area under production and productivity. In some cases data on crops are compared with those of previous census and surveys at national level to determine changes that occurred between the census periods. The conclusion is organized into two sections: The first section describes the current status of agriculture in Tanzania while the second section discusses the main findings of the Agriculture Sample Census.

2.16.1 Current Status of Agriculture in Tanzania

A total of 5,838,523 households engaged in agriculture (field and horticulture crop production, livestock and fish farming and pastoralism) were sampled of which 5,706,329 (97.7%) were in the Mainland and 132,193 (2.3%) were in Zanzibar. In the Mainland, large concentration of households engaged in agriculture were recorded in Shinyanga, Mbeya and Kagera regions each with 400 - 500,000 households, followed by Dodoma, Tanga, Iringa, and Mwanza with 300 - 400,000 households. Dar es Salaam region had the least number of households engaged in agriculture (35,160). In Zanzibar, 18,651 agricultural households were located in Urban West district and 32,895 in North Pemba.

Land was predominantly planted with annual crops (66%) while permanent or perennial crops occupied another 15% and another 8% was planted with a mixture of annual and permanent crops. The area kept under fallow was about 11% implying that at any one time most of the land was being utilized for crop production

At national level, slightly more than a third (37%) of the households indicated to have sufficient land available for their use while the remaining 63% considered the land to be insufficient. Land sufficiency in Zanzibar was relatively better compared to the Mainland where 44% of the households indicated having sufficient land. The high proportion of households reporting land insufficiency is consistent with the low average land available per household (1.3 ha). Land

sufficiency varied greatly between regions. In Mtwara, Lindi, Ruvuma and Tabora regions at least 50% or slightly more of the households reported land sufficiency while all other regions reported land sufficiency below 50%. In the latter group, land scarcity was most acute in Mara, Manyara and Arusha regions where more than 80% of the households complained of land insufficiency.

There is a wide variety of cops grown in the country. Nevertheless, maize dominates smallholder crop production. Other important food crops include cassava, bananas, paddy, beans and groundnuts. The rest of the crops are only grown in small amounts. But some of these crops such as tea and coffee have significant importance in certain areas where the climate may be more suitable for their production.

Crop yields are very low. In addition, capital investment in smallholder agriculture is quite limited as only very small areas undertake irrigated agriculture and the use of complementary inputs such as fertilizer and pesticides is equally low. High coverage of extension services was evident; however, some of the highest crop producing regions received less extension than other regions. Even though oxen use is largely limited to areas that have large population of cattle such as Shinyanga, hand cultivation remains the predominant means of land cultivation.

Most storage is unprotected. Besides the price of produce being too low, the other marketing problems reported by smallholders were high transport costs and large distances to markets.

2.16.2 Important Issues

This section presents some of the main findings of the census based largely on static data produced by this census and to only small extent on time series data from other sources.

- Crop productivity
- Use of inputs
- Access to land
- Irrigation farming
- Access to extension services

2.16.3 Crop productivity

Crop productivity varied from one crop to another. In general, productivity for most crops was low compared to existing potential.

Recommendation: Steps should be taken to encourage the use of fertilizer and increase the productivity of the crop production sector in the country.

2.16.3 Use of inputs

Generally, the use of inputs including improved seeds, inorganic and organic fertilizers varied across regions. Of these inputs, improved seeds were most widely used. However, a larger area is planted with local seeds than with improved seeds. Also, although the use of pesticides was rather limited most households used more insecticides than fungicides and herbicides.

Recommendation: Use of fertilizers and chemical inputs is critical for enhancing crop productivity under smallholder farming setting countrywide. Hence there is need to put in place mechanisms that will not only ensure their access by smallholders but their use as well.

2.16.4 Access to land

Majority of households reported insufficient access to land with the situation being relatively better in Zanzibar compared to the Mainland. The high proportion of households reporting land insufficiency is consistent with the low average land available per household (1.3 ha). Land scarcity was most acute in Mara, Manyara and Arusha regions where more than 80% of the households reported of land insufficiency.

Recommendation: Government should work out a strategy to overcome land insufficiency especially in regions with acute problem of land scarcity.

2.16.5 Irrigation farming

Only a small proportion of crop land is irrigated. Consequently, benefits of using productivity enhancing inputs such as improved seeds and fertilizer are fully exploited.

Recommendation: Efforts must be made to ensure expansion of irrigation facilities in order to ensure that majority of farmers have access to these facilities

2.16.6 Access to extension services

In general, except for few regions, access to extension services was rather high. Public staff provided the main source of extension advice. Wider promotion of improved technologies for enhancing crop productivity is, to some extent, dependent on an effective extension system whose services are accessible to its clientele.

Recommendation: *Besides enhancing access to extension services, the public based extension service should aim to improve the quality of its services to ensure increased adoption of improved practices for increased crop productivity.*

3.0 Regional Profiles

The following is a summary of regional profiles with respect to crop production in each of the 21 regions in Mainland Tanzania.

3.1 Shinyanga

Shinyanga region had one of the largest concentration of households engaged in agriculture. Besides, it is one of the top five regions having 90% or more of the land utilized. Also, generally, land scarcity was less acute in the region such the total utilizable land remained slightly above the 2002/03 national average.

Shinyanga region was the single most important region for cotton production, which accounted for 378,666 ha or 65.9% of the planted area in the country and the first largest area planted with sorghum (98,145 ha or 17.3%). Moreover, it had the highest percentage of land under maize (521,777 ha) even though this was equivalent to only 27% of the land area in the region

In addition, Shinyanga region had the highest percentage of land planted with paddy in the country (19.3%) and the highest actual regional land planted with paddy (175,192 ha).

The region had the third largest area planted with irrigation (29,783 ha) after Kilimanjaro (36,607ha) and Mbeya (33,418 ha) and it had the first highest percent of households in using oxen/bulls in land cultivation (8.8%). Moreover, it had the first largest area planted with organic fertilizer (67,439 ha). However, it had the first largest area planted without fertilizer (1,840,407 ha). Shinyanga had the third highest percent of households reporting selling crops. On the other hand, it had the second largest number of households without planted trees Shinyanga (926,930).

3.2 Dodoma

Dodoma region and other three regions, namely Tanga, Iringa, and Mwanza had 300-400,000 concentration of households engaged in agriculture.

Dodoma, with 106,449 households equivalent to 59.5% of all bulrush millet producing households, was the largest producer, had the largest actual planted area (47,738 ha) and the largest quantity harvested (47,738 tons). Besides, it had the third largest area planted with pigeon peas.

In addition, the region had the third largest number of households involved in pigeon pea production (24,329) and the largest planted area per household (0.64 ha), followed by Manyara

(0.59 ha), Shinyanga (0.56 ha), Rukwa (0.55 ha), Tabora (0.54 ha) and Singida (0.50 ha). Also, the region had the third largest area planted with sorghum (96,147 ha , 16.9%) after Shinyanga (98,145 ha or 17.3%) and Singida (97,513 ha or 17.2%).

The region had the third largest planted area without fertilizer (766,437 ha) after Shinyanga (1,840,407 ha) and Mwanza (791,518 ha). Additionally, Dodoma had the lowest proportion of area under irrigation (0.07%) after Mtwara (1.16%) and Lindi (1.08%).

Dodoma is one of the regions with the highest percentage of households reporting selling crops and had the first highest proportion of households receiving extension advice (91.3%) and together with Kilimanjaro had the second highest proportion of households with soil erosion (22.57%).

3.3 Mwanza

Mwanza is one of the regions with the second largest concentration of households engaged in agriculture. Mwanza region had the second largest area planted with cotton (108,329 ha or 18.8%) followed by Tabora (57,901 ha or 10.1%).

The region had the fourth highest percentage of households employing oxen/bulls in land cultivation (7.2%). Also the region had 25,216 households using irrigation. Furthermore, it is one of the regions that had the largest area planted without improved seeds in the short rains than during the long rains, the second largest planted area without fertilizer (791,518 ha) and the fourth highest percent of households that sold crops.

3.4 Tabora

Tabora region experienced less acute land scarcity with the total utilizable land remaining slightly above the 2002/03 national average. Also, together with Mtwara, Lindi, and Ruvuma regions had at least 50% or slightly more of the households reported land sufficiency while all other regions reported land sufficiency below 50%.

Tabora region had the largest number of households producing tobacco (33,987 or 45.4%), the largest planted area (31,431 ha or 48.7%) and accounted for the largest production of the crop (36,056 tons or 51.1%). Also, it had the third largest area planted with cotton (57,901 ha or 10.1%)

Also, Tabora 25,601 households using irrigation more than Shinyanga (26,541), and Mwanza (25,216) and had the third largest area planted with fertilizer (53,339 ha) after Shinyanga (67,439 ha) and Singida (54,586 ha).

3.5 Mbeya

Mbeya region had the third highest proportion of land under cultivation (9.97%) after Kilimanjaro (15.68%). However, based on percent area planted, Mbeya had the highest percent (9.97%), followed by Zanzibar (7.23), and Tanga (4.67%).

The region had the third largest number of households growing coffee (79,175). Based on percentage of area planted with coffee and average planted area per households, the leading regions are Mbeya, Ruvuma, and Arusha.

Also, it had the second largest area planted with irrigation (33,418 ha) after Kilimanjaro (36,607 ha) as well as the second largest number of households using irrigation (47,568) after Kilimanjaro (75,736). Besides, Mbeya had the second highest percentage of households using oxen/bulls in land cultivation (8.3%) after Shinyanga (8.8%0 but higher than Kagera (7.3%) and Mwanza (7.2%). Also, it had the first largest area planted with inorganic fertilizer (131,208 ha).
Furthermore, it is one of the regions leading in terms of households reporting selling of crops and had the sixth highest proportion of households receiving extension advice (78%) and the second largest number of planted trees (27,777) after Iringa (62,027).

3.6 Ruvuma

Ruvuma region had at least 50% or slightly more of the households reported land sufficiency while all other regions reporting land sufficiency below 50%.

Ruvuma had the third largest area planted with cashewnuts (74,368, 21.49%). However, in terms of average planted area per household Ruvuma (1.750 ha), overtook both Lindi (1.213 ha) and Mtwara (1.039 ha). Furthermore, it had the fifth largest planted area with tobacco (4,183 ha or 6.5%).

The region had the fourth largest number of households growing coffee (31,185). However, based on percent area planted with coffee and average planted area per households, Ruvuma was one of the leading regions, which included Mbeya and Arusha.

Besides, Ruvuma had a total of 20,354 households using irrigation while figures for other regions were 27,765 (Morogoro), 24,912(Tanga), 25,601(Tabora), 26,5419Shinyanga), and 25,216 (Mwanza).Furthermore, Ruvuma had the second largest area planted with inorganic fertilizer (83,208 ha) after Mbeya region (131,208 ha).

3.7 Iringa

Iringa region had the largest number of households involved in wheat production (40,749, 56 %) and the largest actual planted area (17,562 ha, 41.1%). Iringa had the third highest proportion of area planted with cabbage (13.7%, 790 ha) after Kagera (19% or 1,094 ha) and Tanga (16.8% or 964 ha) and the sixth largest planted area with beans (56,152 ha, 7.5%).

It had the third largest number of households using irrigation (32,689) and the fourth highest proportion of households receiving extension advice (80.45) after Dodoma (91.3%) followed by Kilimanjaro (83.2%), and Manyara (82%).

The region also had the fourth highest proportion of households with soil erosion (14.69%) and the first largest number of planted trees (62,027) followed by Mbeya (27,777) and Kagera (27,767).

3.8 Kagera

Kagera region had large concentration of households engaged in agriculture falling in the range of 400 -500,000 households.

Kagera had the first largest number of households growing coffee (223,137), followed by Kilimanjaro (104,061) and Mbeya (79,175) and had the first highest percentage of households growing banana (38.55%).

Also, it had the third highest percentage of households using oxen/bulls in land cultivation (7.3%) after Shinyanga (8.8%) and Mbeya (8.3%) and higher than Mwanza (7.2%). Besides, Kagera is

one of the regions with the highest percentage of farming households involved in selling crops and had the first largest number of households without planted trees (937,450).

3.9 Tanga

Tanga and other three regions, namely Dodoma, Iringa, and Mwanza had 300-400,000 concentration of households engaged in agriculture. Besides, Tanga had the second largest planted area with permanent/annual mix (39,643 ha) after Mtwara (104,451 ha) and the third largest area planted with coconuts (28,118 ha, 23.4%).

Furthermore, Tanga had the third largest area planted with sugarcane (1,750 ha, 6.88%). In addition, Tanga is one of the regions with the highest percent of households reporting selling of crops.

3.10 Mtwara

Mtwara had at least 50% or slightly more of the households reporting land sufficiency while all other regions reported land sufficiency below 50%. Mtwara had the third highest percentage of area planted with permanent crops (7%) after Kagera (16%) and Kilimanjaro (9%). More specifically, it had the first largest planted area with cashewnuts (185,179 ha, 34.84%).

3.11 Morogoro

Morogoro region planted a little over half of the total area under sugarcane (12,215 ha, 50.39%), followed by Ruvuma and Tanga each with 1,671 ha (6.18%) planted with the crop. On a regional basis, Morogoro had the largest percent of land (31%) planted with paddy followed by Zanzibar with 22.2%. All other regions had less than 10% of the land planted with paddy.

The region had the first largest area planted with tomatoes (2,442 ha, 9.2%) followed by Kagera (2386 ha, 9%), Tanga (2,326 ha, 8.7%), Mwanza (2,235 ha, 8.4%), Iringa (2,223 ha, 8.4%), Mbeya (1,786 ha, 6.7%). Also, it is one of the regions (including Kigoma, Kagera, Mwanza, and Mara) with larger areas planted without improved seed during the short rains than during the long rains. In addition, it had 26,765 households using irrigation while figures in other regions were 24,912 (Tanga), 20,354 (Ruvuma), 25,601 (Tabora), 26,541 (Shinyanga), and 25,216 (Mwanza).

Furthermore, the region had more than 5% of the area under irrigation (7.96%) and is one of the regions with the highest percent of households reporting selling of crops.

3.12 Rukwa

Rukwa region had the second largest area planted with tobacco (9,572 ha or 14.8%), followed by Mbeya (6,328 ha or 9.8%), Shinyanga (5,949 ha or 9.2%), Ruvuma (4,183 ha or 6.5%) and Singida (2,303 ha or 3.6%).

Besides, Rukwa had the highest area planted to paddy per household (1.34 ha), the second highest average yield of 2.74 tons/ha and the highest yield of wheat (1.94 tons/ha), followed by Manyara (1.47 tons/ha) and Arusha (1.17 tons/ha). Furthermore, Rukwa region had the largest area planted with finger millet (10,999 ha) and produced the largest quantity harvested (10,770 tons). It also had the third highest percent of area planted with groundnuts (6.9%) after Tabora (11.6%) and Dodoma (9.7%)

Moreover, the region had the fourth largest area of area per groundnut growing household (0.55 ha) after Dodoma (0.64 ha), Manyara (0.59 ha), and Shinyanga (0.56 ha) and only 48.8% of households reported receiving extension advice, which however was higher than both (33.6%) and Lindi (40.8%).

3.13 Singida

Singida region experienced less acute land scarcity with the total utilizable land remained slightly above the 2002/03 national average. Singida had the lowest percent area under permanent crops (2%) and the sixth largest planted area with tobacco (2,303 ha or 3.6%).

Singida region had the second largest area planted with sorghum (97,513 ha, 17.2%) after Shinyanga (98,145 ha or 17.3%). Also, Singida region accounted for 17.8% of the onion planted area (1,564 ha) followed by Mbeya (10.3% of the planted area of 907 ha).

Furthermore, Singida had the second largest area planted with organic fertilizer (54,586 ha) after Shinyanga (67,439 ha).

3.14 Mara

Mara region experienced most acute land scarcity as more than 80% of the households reported to have land insufficiency. Mara recorded the highest yield of beans (1.5 tons/ha) and had the highest number of households (28,158, 22.9%) of the total households engaged in the production of finger millet.

The region recorded the fourth largest area planted with sweet potatoes (18,127 ha, 8.3%) after Shinyanga (69,145ha 31.7%), Mwanza (23.3% or 50,736 ha) and Tabora (18,613 ha, 8.5%). Moreover, Mara is one of the five regions with large areas planted without improved seed during the short rains than during the long rains.

3.15 Manyara

Manyara region experienced most acute land scarcity with more than 80% of households complaining land insufficiency. Manyara had the highest area planted to maize per household (1.36 ha), which was just slightly higher than in Dodoma (1.3 ha). Besides, it had the largest land area for wheat production per household (2 ha) and the second highest yield of wheat (1.47 tons/ha) after Rukwa region (1.94 tons/ha).

The region is the leading producer of pigeon peas (38,407 ha), followed by Lindi (15,869 ha), and Dodoma (13,156 ha). Also, it had the largest number of households involved in pigeon pea production (46,171), followed by Lindi (40,329), and Dodoma (24,329).

Furthermore, Manyara had the third highest proportion of households receiving extension advice (8,250) after Dodoma (91.3%) and Kilimanjaro (83.2%) and had the second highest proportion of households with soil erosion (21.78%).

3.16 Lindi

Lindi is one of the regions (including Mtwara, Ruvuma and Tabora regions) with at least 50% or slightly more of the households reporting land sufficiency while all other regions reported land sufficiency below 50%.

Lindi had the second largest area planted with coconuts (23,755 ha, 19.85%) after Pwani (43,215 ha, 36.1%) and the second largest number of households involved in pigeon pea production (40,405). Besides, it had the third largest area planted using fungicides (31,071 ha) after Mtwara (51,478 ha) and Mbeya (41,487 ha).

Also, Lindi had only 1.08% of the planted area under irrigation, which is lower than Mtwara (1.16%) but higher than Dodoma which had the lowest proportion (0.07%). Furthermore, Lindi had the lowest percentage of households having access to extension advice (40.8%) but better than Zanzibar (33.6%).

3.17 Kigoma

Kigoma has the 14th largest number of agricultural households in the country and a population density of 0.6 household/sq.km. The region has a total usable land area of 403,580 hectares under crop production with an average land utilization rate of 83.7%. About 70% of the households are crop growing households. However, about 63% of the households reported land insufficiency. The land area under crop production is mostly under temporary mono crops with an average planted area per household of 0.8 ha in the short rain season and 0.6 ha in the long rain season.

Kigoma is one of the least important regions for cereals production accounting for only 1.9% of the cereal planted area in the country and maize was the most important cereal planted. Very small areas of paddy and sorghum are grown. Kigoma has the fourth largest planted area with beans which occupy about 21.7% of the total planted area of the region and has the 10th largest area planted with groundnut. The production of vegetables and cash crop is relatively unimportant compared to other regions but the dominant crop in this category is tomato.

The major permanent crop in Kigoma is oil palm and the region is leading with 80% of the total planted area of the crop in Tanzania. The region also has the 7th largest planted area in banana and 5th in coffee with very small planted areas of the other permanent crops such as mango, coconut and orange. The use of fertilizer is minimal as the region is among the five regions having the smallest areas applied with organic fertilizer and is also ranked low in the use of inorganic fertilizer. Pesticide use is limited to mostly fungicides.

Relative to other regions, Kigoma has a small planted area with irrigation for which the main source of water is from rivers and the method of obtaining water is predominantly using buckets/watering cans followed by gravity. In the region, about 60.5% of the households reported having received crop extension services. All households store crops particularly maize and about 40% of the households report selling crops.

Land preparation and other farm operations is mostly by hand with minimal use of farm animals or mechanized equipment. About 7.8% of households reported having soil erosion problems and just about 10% of the households have planted trees.

3.18 Pwani

Pwani has the fourth smallest number of agricultural households (174,523) in the country The region has a total usable land area of 357,377 ha with an average land utilization rate of 91%. About 83.9% of the households are crop growing households. However, only about 31% of the households reported land insufficiency.

The land area under crop production is mostly under temporary mono crops and permanent mixed crops. The average planted area per household is 0.7 ha in the short rain season and 0.9 ha in the long rain season.

Pwani is one of the least important regions for cereals production accounting for only 1.9% of the cereal planted area in the country. Maize was the most important cereal planted on about 40% of the planted area in the region followed by paddy for which Pwani is ranked 8th in terms of planted area. Sweet potato is the main root and tuber crop and cowpea is the major pulse crop in the region. The production of vegetables and cash crop is relatively important compared to other regions and the dominant crops in this category were okra, tomato and water melon.

Pwani has about 84.7 of the planted area under permanent crops. The major permanent crop in the region is coconut for which the region is leading with about 30% of the total planted area followed by cashewnut for which the region has the fourth largest planted area equivalent to about 13% of the total area under cashew. Other important permanent crops in the region are mango, banana and orange.

Pwani is one of the regions with minimal use of improved seed, fertilizers (both organic and inorganic) but is ranked fifth in the use of fungicides which is the most commonly used pesticide. Relative to other regions, Pwani has the fourth smallest area planted with irrigation for which the main source of water is from rivers and the method of obtaining water is predominantly using buckets/watering cans followed by gravity.

Extension services reached about 67.5% of the agriculture households in the region and all households stored crops particularly maize. About 20% of the households report selling crops. Land preparation and other farm operations is mostly by hand with minimal use of farm animals or mechanized equipment. Soil erosion problems were minimal reported by less than one percent of the households and very few households have planted trees, other than tree crops.

3.19 Kilimanjaro

Kilimanjaro region has 242,708 agricultural households, the 11th largest in the country. The region has the second smallest usable land area of 238,142 ha with an average land utilization rate of 92%. The majority of the households (75%) engaged in mixed crop production and livestock keeping. The region experiences land scarcity reported by 78% of the households.

The land area under crop production is mostly under temporary mono crops followed by temporary mixed crops and permanent crops. The average planted area per household is 0.5 ha in the short rain season and 0.6 ha in the long rain season. The region is ranked low in cereal production. The area planted with cereals in the region is about 2% of the cereal planted area in the country. The major cereals planted are maize and paddy, but the former occupies the largest share equivalent to about 36 times the area planted with paddy.

Amongst other annual crops, beans are the most important among pulses, and relatively small areas are planted with sweet potato, amongst the roots and tuber crops. The production of vegetables is significant in the region the dominant vegetable crops produced tomato, onion and cabbage. Coffee is the major permanent crop in the region. Kilimanjaro has the largest proportion of land, than any other region, planted with coffee (10.3% of the planted area in the region) and contributing 18% of the national land planted with coffee in third position after Mbeya and Kagera regions.

Other important permanent crops in the region are banana for which the region is second only after Kagera accounting for 15.7% of national land area planted with banan and sugarcane, for which Kilimanjaro is the 9th producing region in the country. Other permanent crops planted to a limited extent in the region are pigeon pea, coconut and orange.

Kilimanjaro is the second region after Mwanza in the use of improved seeds. It is also in the top five regions in the use of inorganic fertilizers and in the top eight regions using organic fertilizers. However, the region is also ranked sixth in the use of fungicides and fifth in the use of insecticides on permanent crops. Irrigation is practices by the largest number of households (75,736) and the region has the largest planted area under irrigation (36,607 ha). The region leads all other regions in the country in using the river and tap water as the main sources of water. The most common method of obtaining water is by gravity followed by hand buckets/watering.

Extension serviced reached a large proportion of the agricultural households (83%) in the region. Crops are stored by all households particularly maize, in traditional structures and or manila bags. About 30% of the households participating in the sale of food crops. Land preparation and other farm operations is mostly by hand with very few households using oxen. However, it is one of the few regions in the country that has some cultivation by tractor or power tiller. The region has the highest proportion of households with soil erosion control and water harvesting facilities (22.6%) and the region has the sixth largest area planted with trees.

3.20 Arusha

The region has 205,547 agricultural households and the third smallest usable land area (279,221 ha), after Dar es Salaam and Arusha regions. The average land utilization rate of 93%. Two thirds (66%) of the households produce crops and also keep livestock. About 49% of the households report scarcity of land in the region. It is one of nine regions with households that are purely pastoralist.

Almost all land made available to smallholders is utilized. The region has short and long rainy seasons. The average planted area per household is 0.8 ha in the short rain season and 1.1 ha in the long rain season. Annual cropping is the most important, with the greatest proportion of the land planted with temporary mixed crops followed by temporary mono crops. However a limited level of perennial crops all planted as a mixture with annuals is also prevalent.

Arusha has one of the smallest planted areas of maize and paddy but one of a handful of regions where wheat and barley are produced. But the region is ranked low in the production of sweet potatoes and groundnut. The region is ranked seventh in the area planted with beans and is an important region in vegetable production and has the third largest, after Singida and Mbeya, area planted with onion; the fourth largest area planted with cabbage and the seventh largest area planted with tomato.

A relatively small area is planted with permanent crops in the region mostly pigeon pea, coffee and banana and sugarcane. Improved seed is used for planting in both rain seasons in the region though the land area planted with such seed in the long rain season is twice as big as in the short rain season. The region is ranked seventh and eighth in the use of improved seed during short and long rain seasons, respectively.

Arusha region has the second smallest total area, after Kilimanjaro, applied with fertilizers with small differences in the area applied with either organic or inorganic fertilizer. The use of pesticides on permanent crops was rather limited compared to other regions though all major pesticides; insecticides, fungicides and herbicides were used. The region has the fifth largest planted area under irrigation and the majority of households depend on the river to source water followed by tap water. The most common method of obtaining water is by gravity

Extension services reached 80% of the target households in the region and all households stored crops particularly maize. Stored crops were secured in traditional structures and or manila bags and about 25% of the households participating in the sale of food crops.

Land preparation and other farm operations is mostly by hand-operated tools with limited use of drought animals and power tillers. Soil erosion is not widespread in the region hence soil erosion control structures are limited and the region has the seventh smallest area planted with trees.

3.21 Dar es Salaam

The region has 35,160 agricultural households. The usable land area of Dar es Salaam region is 44,253 hectares which is also the smallest amongst all regions in the country, with a land utilization average of 88%. About 31% of the households report land available for planting as insufficient.

The agricultural households in the region are mostly crop-only households (62%) with another 29.3% producing crops and keeping livestock and. Dar es salaam is also one of nine regions with households that are purely pastoralist. The largest proportion of the planted area is under temporal annual crops with followed by permanent mixed crops and permanent annual crops mixtures. The region has short and long rainy seasons. The average planted area per household is 0.4 ha in the short rain season and 0.6 ha in the long rain season.

Dar es Salaam has the smallest planted area with cereals in the country, of which the planted area for maize is slightly larger than four times that of rice. However, all other cereals and beans are virtually absent. The region has is ranked intermediate in the production of Sweet potato and has a very small area planted with groundnut. Dar es Salaam region is not important for vegetables production. The region has very small planted areas of tomato, onion and cabbage. The two most important permanent crops in the region are coconuts and oranges. Others which occupy relatively smaller areas are mango, oil palm and pigeon peas. The use of improved seed is limited to less than ten percent of the planted area in both seasons and use of organic and inorganic fertilizers is equally low. The region is in the top eight regions for use of pesticides on permanent crops and generally the use of insecticides and fungicides was more prevalent compared to the use of herbicides.

Dar es Salaam region has one of the smallest irrigated areas in the country, the region is ranked in the bottom six. The majority of households applying irrigation depend on the river to source water followed by canal and the most common method of obtaining water is by hand bucket. Extension services reached about 74% of the target households in the region. All households stored crops particularly maize using traditional structures and or manila bags. About 5% of the households reported selling food crops.

Land preparation and other farm operations is mostly by hand-operated tools with limited use of mechanized equipment particularly tractor and power tiller. Soil erosion problems are minimal and tree planting is limited to very few households.

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TYPE OF AGRICULTURE HOUSEHOLD

2.1.3 TYPE OF AGRICULTURE HOUSEHOLD: Number of Agriculture Households By Type and Size of Holding, 2007/08 Agricultural Year – TANZANIA

Size of Holding (ha)	Type of Agriculture Household									
	Crops only		Livestock only		Pastoralist		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	515,944	68.5	46,261	6.1	3,268	0.4	187,739	24.9	753,212	100
0.51 - 1.00	749,474	69.5	3,239	0.3	89	0.0	325,545	30.2	1,078,347	100
1.01 - 1.50	664,495	65.3	1,828	0.2	0	0.0	351,478	34.5	1,017,800	100
1.51 - 2.00	404,218	62.1	530	0.1	0	0.0	245,950	37.8	650,698	100
2.01 - 2.50	471,830	60.0	949	0.1	0	0.0	313,530	39.9	786,308	100
2.51 - 3.00	138,696	53.4	207	0.1	0	0.0	120,707	46.5	259,609	100
3.01 - 3.50	125,637	53.5	380	0.2	0	0.0	108,974	46.4	234,990	100
3.51 - 4.00	54,700	46.3	142	0.1	0	0.0	63,198	53.5	118,040	100
4.01 -4.50	134,198	48.6	1,202	0.4	0	0.0	140,900	51.0	276,299	100
4.51 -5.00	42,668	45.8	57	0.1	71	0.1	50,285	54.0	93,082	100
Above 5	206,723	36.3	2,974	0.5	489	0.1	359,950	63.1	570,136	100
Total	**3,508,581**	**60.1**	**57,770**	**1.0**	**3,917**	**0.1**	**2,268,255**	**38.8**	**5,838,523**	**100**

2.1.4 TYPE OF AGRICULTURE HOUSEHOLD: Number of Agriculture Households By Type and Size of Holding, 2007/08 Agricultural Year - TANZANIA MAINLAND

Size of Holding (ha)	Type of Agriculture Household									
	Crops only		Livestock only		Pastoralist		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	484,585	67.9	44,505	6.2	3,268	0.5	181,083	25.4	713,441	100.0
0.51 - 1.00	721,006	69.6	3,210	0.3	89	0.0	311,371	30.1	1,035,677	100.0
1.01 - 1.50	648,573	65.5	1,798	0.2	0	0.0	339,585	34.3	989,957	100.0
1.51 - 2.00	398,931	62.3	530	0.1	0	0.0	240,596	37.6	640,058	100.0
2.01 - 2.50	468,721	60.1	923	0.1	0	0.0	310,105	39.8	779,749	100.0
2.51 - 3.00	137,788	53.5	207	0.1	0	0.0	119,645	46.4	257,639	100.0
3.01 - 3.50	125,142	53.5	380	0.2	0	0.0	108,525	46.4	234,047	100.0
3.51 - 4.00	54,422	46.3	142	0.1	0	0.0	63,003	53.6	117,566	100.0
4.01 -4.50	133,816	48.5	1,202	0.4	0	0.0	140,701	51.0	275,719	100.0
4.51 -5.00	42,607	45.9	57	0.1	71	0.1	50,127	54.0	92,862	100.0
Above 5	206,481	36.2	2,974	0.5	489	0.1	359,670	63.1	569,614	100.0
Total	**3,422,072**	**60.0**	**55,929**	**1.0**	**3,917**	**0.1**	**2,224,410**	**39.0**	**5,706,329**	**100**

2.1.5 TYPE OF AGRICULTURE HOUSEHOLD: Number of Agriculture Households By Type and Size of Holding, 2007/08 Agricultural Year - TANZANIA ZANZIBAR

Size of Holding (ha)	Type of Agriculture Household							
	Crops only		Livestock only		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	31,359	78.8	1,756	4.4	6,656	16.7	39,771	100
0.51 - 1.00	28,467	66.7	29	0.1	14,173	33.2	42,670	100
1.01 - 1.50	15,922	57.2	29	0.1	11,893	42.7	27,843	100
1.51 - 2.00	5,286	49.7	0	0.0	5,354	50.3	10,640	100
2.01 - 2.50	3,109	47.4	26	0.4	3,424	52.2	6,559	100
2.51 - 3.00	908	46.1	0	0.0	1,062	53.9	1,970	100
3.01 - 3.50	494	52.4	0	0.0	450	47.6	944	100
3.51 - 4.00	279	58.8	0	0.0	195	41.2	474	100
4.01 -4.50	382	65.8	0	0.0	199	34.2	581	100
4.51 -5.00	61	27.9	0	0.0	159	72.1	220	100
Above 5	242	46.4	0	0.0	280	53.6	522	100
Total	**86,509**	**65.4**	**1,840**	**1.4**	**43,844**	**33.2**	**132,193**	**100**

2.1.6 TYPE OF AGRICULTURE HOUSEHOLD: Number of Agriculture Households By Type and Size of Holding, 2007/08 Agricultural Year - TANZANIA ZANZIBAR

Size of Holding (ha)	Type of Agriculture Household							
	Crops only		Livestock only		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	31,359	36.2	1,756	95.4	6,656	15.2	39,771	30.1
0.51 - 1.00	28,467	32.9	29	1.6	14,173	32.3	42,670	32.3
1.01 - 1.50	15,922	18.4	29	1.6	11,893	27.1	27,843	21.1
1.51 - 2.00	5,286	6.1	0	0.0	5,354	12.2	10,640	8.0
2.01 - 2.50	3,109	3.6	26	1.4	3,424	7.8	6,559	5.0
2.51 - 3.00	908	1.0	0	0.0	1,062	2.4	1,970	1.5
3.01 - 3.50	494	0.6	0	0.0	450	1.0	944	0.7
3.51 - 4.00	279	0.3	0	0.0	195	0.4	474	0.4
4.01 -4.50	382	0.4	0	0.0	199	0.5	581	0.4
4.51 -5.00	61	0.1	0	0.0	159	0.4	220	0.2
Above 5	242	0.3	0	0.0	280	0.6	522	0.4
Total	**86,509**	**100.0**	**1,840**	**100.0**	**43,844**	**100.0**	**132,193**	**100**

2.1.7 TYPE OF AGRICULTURE HOUSEHOLD: Number of Agriculture Households By Type and Size of Holding, 2007/08 Agricultural Year – TANZANIA

Size of Holding (ha)	Type of Agriculture Household									
	Crops only		Livestock only		Pastoralist		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	515,944	14.7	46,261	80.1	3,268	83.4	187,739	8.3	753,212	12.9
0.51 - 1.00	749,474	21.4	3,239	5.6	89	2.3	325,545	14.4	1,078,347	18.5
1.01 - 1.50	664,495	18.9	1,828	3.2	0	0.0	351,478	15.5	1,017,800	17.4
1.51 - 2.00	404,218	11.5	530	0.9	0	0.0	245,950	10.8	650,698	11.1
2.01 - 2.50	471,830	13.4	949	1.6	0	0.0	313,530	13.8	786,308	13.5
2.51 - 3.00	138,696	4.0	207	0.4	0	0.0	120,707	5.3	259,609	4.4
3.01 - 3.50	125,637	3.6	380	0.7	0	0.0	108,974	4.8	234,990	4.0
3.51 - 4.00	54,700	1.6	142	0.2	0	0.0	63,198	2.8	118,040	2.0
4.01 -4.50	134,198	3.8	1,202	2.1	0	0.0	140,900	6.2	276,299	4.7
4.51 -5.00	42,668	1.2	57	0.1	71	1.8	50,285	2.2	93,082	1.6
Above 5	206,723	5.9	2,974	5.1	489	12.5	359,950	15.9	570,136	9.8
Total	**3,508,581**	**100.0**	**57,770**	**100.0**	**3,917**	**100.0**	**2,268,255**	**100.0**	**5,838,523**	100.0

2.1.8 TYPE OF AGRICULTURE HOUSEHOLD: Number of Agriculture Households By Type and Size of Holding, 2007/08 Agricultural Year - TANZANIA MAINLAND

Size of Holding (ha)	Type of Agriculture Household									
	Crops only		Livestock only		Pastoralist		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	484,585	14.2	44,505	79.6	3,268	83.4	181,083	8.1	713,441	13
0.51 - 1.00	721,006	21.1	3,210	5.7	89	2.3	311,371	14.0	1,035,677	18
1.01 - 1.50	648,573	19.0	1,798	3.2	0	0.0	339,585	15.3	989,957	17
1.51 - 2.00	398,931	11.7	530	0.9	0	0.0	240,596	10.8	640,058	11
2.01 - 2.50	468,721	13.7	923	1.7	0	0.0	310,105	13.9	779,749	14
2.51 - 3.00	137,788	4.0	207	0.4	0	0.0	119,645	5.4	257,639	5
3.01 - 3.50	125,142	3.7	380	0.7	0	0.0	108,525	4.9	234,047	4
3.51 - 4.00	54,422	1.6	142	0.3	0	0.0	63,003	2.8	117,566	2
4.01 -4.50	133,816	3.9	1,202	2.1	0	0.0	140,701	6.3	275,719	5
4.51 -5.00	42,607	1.2	57	0.1	71	1.8	50,127	2.3	92,862	2
Above 5	206,481	6.0	2,974	5.3	489	12.5	359,670	16.2	569,614	10
Total	**3,422,072**	**100.0**	**55,929**	**100.0**	**3,917**	**100.0**	**2,224,410**	**100.0**	**5,706,329**	**100**

HOUSEHOLD DEMOGRAPHICS

3.1 Number of Heads of Agricultural Households by sex of head and Region, 2007/08 Agricultural Year

	Male		Female		
Region	Number	Percent	Number	Percent	Total
Dodoma	262,714	73	96,255	27	358,969
Arusha	163,558	80	41,989	20	205,547
Kilimanjaro	194,897	80	47,810	20	242,708
Tanga	249,885	76	80,893	24	330,779
Morogoro	239,086	80	59,335	20	298,421
Pwani	141,216	81	33,307	19	174,523
Dar es Salaam	28,593	81	6,567	19	35,160
Lindi	125,334	75	41,564	25	166,898
Mtwara	179,942	72	69,431	28	249,373
Ruvuma	177,379	84	32,902	16	210,281
Iringa	214,602	70	92,027	30	306,629
Mbeya	333,897	73	120,927	27	454,824
Singida	179,491	83	37,501	17	216,992
Tabora	248,599	86	39,848	14	288,447
Rukwa	198,818	88	27,431	12	226,250
Kigoma	191,260	85	33,911	15	225,171
Shinyanga	411,087	85	74,124	15	485,212
Kagera	323,526	80	82,384	20	405,910
Mwanza	334,519	84	64,474	16	398,993
Mara	175,721	78	51,010	22	226,731
Manyara	172,361	87	26,152	13	198,513
Mainland	**4,546,487**	80	**1,159,843**	20	**5,706,329**
North Unguja	24,260	80	6,094	20	30,354
South Unguja	15,371	76	4,888	24	20,259
Urban West	15,386	82	3,266	18	18,651
North Pemba	26,004	79	6,891	21	32,895
South Pemba	24,195	81	5,840	19	30,034
Zanzibar	**105,216**	80	**26,977**	20	**132,193**
Nationa Total	**4,651,702**	80	**1,186,820**	20	**5,838,523**

Table 3 .2: Number of Household Members classified by Region and Sex

Region	Male		Female		Total
	Number	Percent	Number	Percent	
Dodoma	839,312	50	846,724	50	1,686,036
Arusha	535,956	51	514,886	49	1,050,842
Kilimanja	558,636	49	583,649	51	1,142,285
Tanga	791,188	49	824,679	51	1,615,866
Morogoro	710,826	50	701,049	50	1,411,875
Pwani	409,093	49	420,647	51	829,740
Dar es Sa	96,500	51	93,917	49	190,417
Lindi	330,734	48	358,449	52	689,182
Mtwara	439,740	46	517,919	54	957,659
Ruvuma	474,451	49	501,559	51	976,010
Iringa	642,949	48	691,210	52	1,334,159
Mbeya	988,573	49	1,046,017	51	2,034,590
Singida	609,766	51	577,760	49	1,187,527
Tabora	942,587	51	897,257	49	1,839,844
Rukwa	637,303	51	609,408	49	1,246,711
Kigoma	641,328	50	646,237	50	1,287,566
Shinyanga	1,757,130	51	1,684,299	49	3,441,428
Kagera	1,029,204	50	1,042,928	50	2,072,132
Mwanza	1,364,779	51	1,330,924	49	2,695,703
Mara	710,332	50	705,621	50	1,415,953
Manyara	603,853	52	554,980	48	1,158,833
Mainland	**15,114,238**	**50**	**15,150,120**	**50**	**30,264,358**
North Unguja	82,877	50	83,115	50	165,992
South Unguja	51,399	50	50,516	50	101,914
Urban West	54,447	50	54,384	50	108,831
North Pemba	96,176	50	97,374	50	193,549
South Pemba	88,080	49	90,302	51	178,382
Zanzibar	**372,978**	**50**	**375,690**	**50**	**748,668**
National	**15,487,217**	**49.9**	**15,525,810**	**50.1**	**31,013,026**

3.3 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Sex and Age Group, 2007/08 Agricultural Year, Tanzania Mainland

	Sex					
	Male		Female		Total	
Age Group	Number	%	Number	%	Number	%
Less than 4	2,111,650	50	2,076,153	50	4,187,803	100
5 - 9	2,352,824	51	2,264,538	49	4,617,362	100
10 - 14	2,324,280	52	2,174,109	48	4,498,388	100
15 - 19	1,883,645	52	1,726,007	48	3,609,652	100
20 - 24	1,069,248	47	1,215,930	53	2,285,179	100
25 - 29	911,433	44	1,163,796	56	2,075,228	100
30 - 34	794,971	46	946,970	54	1,741,942	100
35 - 39	775,870	47	883,358	53	1,659,228	100
40 - 44	603,673	49	618,018	51	1,221,691	100
45 - 49	604,289	52	564,334	48	1,168,623	100
50 - 54	415,395	51	392,243	49	807,638	100
55 - 59	330,458	54	276,080	46	606,538	100
60 - 64	287,318	53	253,477	47	540,795	100
65 - 69	208,816	52	195,030	48	403,845	100
70 - 74	175,961	52	165,282	48	341,243	100
75 - 79	129,067	58	92,956	42	222,023	100
80 - 84	64,096	49	66,126	51	130,222	100
Above 85	71,246	48	75,712	52	146,957	100
Total	**15,114,238**	**50**	**15,150,120**	**50**	**30,264,358**	**100**

3.3 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Sex and Age Group, 2007/08 Agricultural Year, Tanzania Mainland

	Sex					
	Male		Female		Total	
Age Group	Number	%	Number	%	Number	%
Less than 4	2,111,650	50	2,076,153	50	4,187,803	100
5 - 9	2,352,824	51	2,264,538	49	4,617,362	100
10 - 14	2,324,280	52	2,174,109	48	4,498,388	100
15 - 19	1,883,645	52	1,726,007	48	3,609,652	100
20 - 24	1,069,248	47	1,215,930	53	2,285,179	100
25 - 29	911,433	44	1,163,796	56	2,075,228	100
30 - 34	794,971	46	946,970	54	1,741,942	100
35 - 39	775,870	47	883,358	53	1,659,228	100
40 - 44	603,673	49	618,018	51	1,221,691	100
45 - 49	604,289	52	564,334	48	1,168,623	100
50 - 54	415,395	51	392,243	49	807,638	100
55 - 59	330,458	54	276,080	46	606,538	100
60 - 64	287,318	53	253,477	47	540,795	100
65 - 69	208,816	52	195,030	48	403,845	100
70 - 74	175,961	52	165,282	48	341,243	100
75 - 79	129,067	58	92,956	42	222,023	100
80 - 84	64,096	49	66,126	51	130,222	100
Above 85	71,246	48	75,712	52	146,957	100
Total	**15,114,238**	**50**	**15,150,120**	**50**	**30,264,358**	**100**

3.5 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Sex and Age Group, 2007/08 Agricultural Year, Tanzania

	Sex					
	Male		Female		Total	
Age Group	Number	%	Number	%	Number	%
Less than 4	2,162,414	50	2,127,332	50	4,289,746	100
5 - 9	2,410,812	51	2,320,737	49	4,731,549	100
10 - 14	2,381,999	52	2,226,573	48	4,608,572	100
15 - 19	1,936,570	52	1,777,144	48	3,713,714	100
20 - 24	1,099,251	47	1,246,447	53	2,345,698	100
25 - 29	929,991	44	1,188,348	56	2,118,339	100
30 - 34	809,252	45	969,573	55	1,778,824	100
35 - 39	792,875	47	905,135	53	1,698,010	100
40 - 44	619,424	49	635,334	51	1,254,759	100
45 - 49	619,625	52	579,246	48	1,198,872	100
50 - 54	427,623	51	403,778	49	831,401	100
55 - 59	337,750	55	281,438	45	619,187	100
60 - 64	295,725	53	260,098	47	555,823	100
65 - 69	213,648	52	198,155	48	411,803	100
70 - 74	181,753	52	168,659	48	350,412	100
75 - 79	130,993	58	93,934	42	224,927	100
80 - 84	65,396	49	67,240	51	132,637	100
Above 85	72,116	48	76,638	52	148,754	100
Total	**15,487,217**	**50**	**15,525,810**	**50**	**31,013,026**	**100**

3.6 Number of Heads of Agricultural Households by Marital Status, sex of head and Region, 2007/08 Agricultural Year

Region	Married						Not Married					
	Male		Female		Total		Male		Female		Total	
Dodoma	233,633	90	26,066	10	259,699	100	6,505	42	8,951	58	15,456	100
Arusha	151,474	86	25,618	14	177,092	100	4,619	75	1,517	25	6,136	100
Kilimanjaro	181,841	92	16,804	8	198,645	100	5,020	51	4,902	49	9,922	100
Tanga	223,940	88	31,148	12	255,088	100	6,956	55	5,697	45	12,652	100
Morogoro	203,880	95	11,647	5	215,527	100	14,434	54	12,375	46	26,809	100
Pwani	125,516	94	8,644	6	134,160	100	6,317	61	4,067	39	10,384	100
Dar es Salaam	25,994	93	1,900	7	27,894	100	1,117	57	840	43	1,957	100
Lindi	106,461	88	13,907	12	120,368	100	6,012	42	8,243	58	14,255	100
Mtwara	150,672	90	17,588	10	168,260	100	12,676	49	13,449	51	26,125	100
Ruvuma	159,260	95	8,487	5	167,747	100	6,822	53	6,028	47	12,851	100
Iringa	194,679	84	37,053	16	231,732	100	6,508	44	8,145	56	14,653	100
Mbeya	301,982	88	42,384	12	344,367	100	9,879	62	6,122	38	16,001	100
Singida	170,168	93	13,443	7	183,611	100	3,752	58	2,726	42	6,478	100
Tabora	228,928	96	9,382	4	238,310	100	6,980	51	6,788	49	13,767	100
Rukwa	186,388	96	8,059	4	194,448	100	4,550	68	2,178	32	6,728	100
Kigoma	179,636	95	9,882	5	189,518	100	2,982	59	2,074	41	5,056	100
Shinyanga	386,653	95	20,042	5	406,695	100	7,472	42	10,504	58	17,977	100
Kagera	286,298	93	22,422	7	308,720	100	10,074	77	2,955	23	13,029	100
Mwanza	308,813	95	17,536	5	326,349	100	4,311	46	5,087	54	9,398	100
Mara	167,657	89	19,985	11	187,643	100	2,340	40	3,584	60	5,924	100
Manyara	158,356	94	10,131	6	168,487	100	5,235	74	1,875	26	7,110	100
Mainland	**4,132,230**	**92**	**372,129**	**8**	**4,504,359**	**100**	**134,560**	**53**	**118,107**	**47**	**252,667**	**100**
North Unguja	23,157	90	2,465	10	25,622	100	457	73	171	27	628	100
South Unguja	14,011	90	1,639	10	15,650	100	681	79	184	21	866	100
Urban West	14,255	95	785	5	15,040	100	722	79	188	21	911	100
North Pemba	25,091	91	2,401	9	27,492	100	391	79	106	21	497	100
South Pemba	23,341	90	2,456	10	25,797	100	409	63	245	37	654	100
Zanzibar	**99,854**	**91**	**9,746**	**9**	**109,600**	**100**	**2,660**	**75**	**895**	**25**	**3,555**	**100**
National	**4,232,085**	**92**	**381,875**	**8**	**4,613,959**	**100**	**137,220**	**54**	**119,002**	**46**	**256,222**	**100**

Cont. 3.6 Number of Heads of Agricultural Households by Marital Status, sex of head and Region, 2007/08 Agricultural Year

Region	Living together						Separated					
	Male		Female		Total		Male		Female		Total	
Dodoma	7,972	76	2,499	24	10,471	100	8,998	31	19,905	69	28,902	100
Arusha	3,489	89	422	11	3,911	100	2,166	38	3,567	62	5,734	100
Kilimanjaro	709	54	599	46	1,308	100	3,016	38	4,896	62	7,912	100
Tanga	7,630	77	2,313	23	9,943	100	5,840	36	10,465	64	16,305	100
Morogoro	10,012	73	3,672	27	13,684	100	8,155	36	14,281	64	22,435	100
Pwani	3,017	66	1,541	34	4,558	100	4,910	37	8,494	63	13,403	100
Dar es Salaam	514	74	180	26	694	100	519	23	1,752	77	2,271	100
Lindi	7,737	82	1,673	18	9,410	100	3,838	30	9,117	70	12,955	100
Mtwara	9,365	82	1,992	18	11,357	100	5,251	20	21,616	80	26,866	100
Ruvuma	5,420	73	1,955	27	7,375	100	4,171	39	6,490	61	10,661	100
Iringa	2,764	81	649	19	3,413	100	3,229	29	7,853	71	11,082	100
Mbeya	3,407	74	1,180	26	4,587	100	7,371	34	14,263	66	21,634	100
Singida	103	12	741	88	844	100	2,417	21	9,049	79	11,466	100
Tabora	2,439	54	2,066	46	4,505	100	6,841	38	11,021	62	17,862	100
Rukwa	3,131	82	671	18	3,801	100	2,357	26	6,835	74	9,193	100
Kigoma	4,098	82	904	18	5,002	100	1,547	17	7,552	83	9,100	100
Shinyanga	3,594	74	1,238	26	4,832	100	6,186	32	12,951	68	19,138	100
Kagera	10,462	94	705	6	11,167	100	9,616	45	11,741	55	21,357	100
Mwanza	7,540	81	1,760	19	9,300	100	8,085	34	16,007	66	24,092	100
Mara	0	0	708	100	708	100	2,694	32	5,599	68	8,293	100
Manyara	3,517	91	338	9	3,854	100	2,800	35	5,182	65	7,982	100
Mainland	**96,921**	**78**	**27,803**	**22**	**124,724**	**100**	**100,006**	**48**	**208,636**	**68**	**308,642**	**100**
North Unguja	57	69	25	31	82	100	196	22	691	78	887	100
South Unguja	30	50	30	50	61	100	401	32	838	68	1,239	100
Urban West	157	63	94	38	251	100	157	15	911	85	1,068	100
North Pemba	0	0	26	100	26	100	358	26	1,024	74	1,382	100
South Pemba	27	100	0	0	27	100	107	19	450	81	557	100
Zanzibar	**271**	**61**	**176**	**39**	**447**	**100**	**1,220**	**31**	**3,912**	**76**	**5,132**	**100**
National Total	**97,193**	**78**	**27,979**	**22**	**125,171**	**100**	**101,226**	**32**	**212,548**	**68**	**313,774**	**100**

Cont. 3.6 Number of Heads of Agricultural Households by Marital Status, sex of head and Region, 2007/08 Agricultural Year

	Widowed						Total					
Region	Male		Female		Total		Male		Female		Total	
Dodoma	5,606	13	38,834	87	44,441	100	262,714	73	96,255	27	358,969	100
Arusha	1,810	14	10,866	86	12,675	100	163,558	80	41,989	20	205,547	100
Kilimanjaro	4,311	17	20,609	83	24,920	100	194,897	80	47,810	20	242,708	100
Tanga	5,520	15	31,271	85	36,790	100	249,885	76	80,893	24	330,779	100
Morogoro	2,606	13	17,361	87	19,967	100	239,086	80	59,335	20	298,421	100
Pwani	1,456	12	10,561	88	12,017	100	141,216	81	33,307	19	174,523	100
Dar es Salaam	450	19	1,894	81	2,344	100	28,593	81	6,567	19	35,160	100
Lindi	1,286	13	8,623	87	9,910	100	125,334	75	41,564	25	166,898	100
Mtwara	1,978	12	14,787	88	16,765	100	179,942	72	69,431	28	249,373	100
Ruvuma	1,705	15	9,942	85	11,647	100	177,379	84	32,902	16	210,281	100
Iringa	7,421	16	38,327	84	45,749	100	214,602	70	92,027	30	306,629	100
Mbeya	11,258	16	56,977	84	68,236	100	333,897	73	120,927	27	454,824	100
Singida	3,051	21	11,543	79	14,594	100	179,491	83	37,501	17	216,992	100
Tabora	3,411	24	10,591	76	14,002	100	248,599	86	39,848	14	288,447	100
Rukwa	2,392	20	9,688	80	12,080	100	198,818	88	27,431	12	226,250	100
Kigoma	2,997	18	13,499	82	16,496	100	191,260	85	33,911	15	225,171	100
Shinyanga	7,182	20	29,389	80	36,570	100	411,087	85	74,124	15	485,212	100
Kagera	7,076	14	44,560	86	51,637	100	323,526	80	82,384	20	405,910	100
Mwanza	5,769	19	24,085	81	29,854	100	334,519	84	64,474	16	398,993	100
Mara	3,030	13	21,133	87	24,164	100	175,721	78	51,010	22	226,731	100
Manyara	2,453	22	8,626	78	11,080	100	172,361	87	26,152	13	198,513	100
Mainland	**82,769**	**16**	**433,168**	**84**	**515,937**	**100**	**4,546,487**	**80**	**1,159,843**	**20**	**5,706,329**	**100**
North Unguja	393	13	2,742	87	3,135	100	24,260	80	6,094	20	30,354	100
South Unguja	247	10	2,196	90	2,444	100	15,371	76	4,888	24	20,259	100
Urban West	94	7	1,287	93	1,382	100	15,386	82	3,266	18	18,651	100
North Pemba	164	5	3,334	95	3,499	100	26,004	79	6,891	21	32,895	100
South Pemba	311	10	2,689	90	3,000	100	24,195	81	5,840	19	30,034	100
Zanzibar	**1,210**	**9**	**12,249**	**91**	**13,459**	**100**	**105,216**	**80**	**26,977**	**20**	**132,193**	**100**
National Total	**83,979**	**16**	**445,417**	**84**	**529,396**	**100**	**4,651,702**	**80**	**1,186,820**	**20**	**5,838,523**	**100**

3.7 Number of Heads of Agricultural Households by Survival of Female Parent, sex of head and Region, 2007/08 Agricultural Year

Region	Yes						No					
	Male		Female		Total		Male		Female		Total	
Dodoma	136,567	80	34,195	20	170,762	100	125,372	67	60,853	33	186,225	100
Arusha	76,618	81	17,556	19	94,174	100	86,052	78	24,311	22	110,364	100
Kilimanjaro	65,970	84	12,119	16	78,089	100	127,606	78	35,380	22	162,986	100
Tanga	97,188	81	22,911	19	120,099	100	151,784	72	57,927	28	209,710	100
Morogoro	104,123	82	22,725	18	126,847	100	134,963	79	36,466	21	171,430	100
Pwani	50,041	85	9,156	15	59,196	100	91,009	79	24,040	21	115,049	100
Dar es Salaam	11,262	86	1,906	14	13,168	100	17,092	79	4,661	21	21,754	100
Lindi	54,982	80	13,920	20	68,902	100	70,105	72	27,643	28	97,748	100
Mtwara	80,169	80	20,584	20	100,753	100	99,657	67	48,731	33	148,388	100
Ruvuma	82,058	86	13,279	14	95,337	100	94,431	83	19,623	17	114,054	100
Iringa	80,040	79	21,410	21	101,451	100	134,297	66	70,458	34	204,755	100
Mbeya	133,690	80	32,860	20	166,550	100	199,204	69	87,658	31	286,862	100
Singida	74,617	88	10,564	12	85,180	100	104,772	80	26,937	20	131,709	100
Tabora	110,087	91	11,201	9	121,288	100	137,803	83	28,450	17	166,253	100
Rukwa	101,302	91	10,526	9	111,828	100	96,715	85	16,905	15	113,620	100
Kigoma	96,989	90	10,713	10	107,702	100	93,498	80	23,012	20	116,510	100
Shinyanga	174,730	88	23,401	12	198,131	100	235,345	82	50,450	18	285,795	100
Kagera	132,368	88	17,703	12	150,072	100	190,495	75	64,552	25	255,047	100
Mwanza	138,573	89	16,726	11	155,300	100	195,601	80	47,461	20	243,062	100
Mara	66,616	80	16,153	20	82,768	100	109,020	76	34,717	24	143,737	100
Manyara	82,781	89	10,567	11	93,348	100	89,449	85	15,584	15	105,033	100
Mainland	**1,950,771**	**85**	**350,174**	**15**	**2,300,945**	**100**	**2,584,270**	**76**	**805,819**	**24**	**3,390,089**	**100**
North Unguja	8,675	87	1,259	13	9,934	100	15,534	76	4,835	24	20,369	100
South Unguja	5,875	85	1,034	15	6,909	100	9,480	71	3,854	29	13,334	100
Urban West	5,809	89	722	11	6,531	100	9,514	79	2,512	21	12,026	100
North Pemba	8,994	86	1,469	14	10,463	100	16,985	76	5,422	24	22,407	100
South Pemba	9,494	85	1,661	15	11,155	100	14,554	78	4,148	22	18,702	100
Zanzibar	**38,846**	**86**	**6,145**	**14**	**44,991**	**100**	**66,068**	**76**	**20,770**	**24**	**86,838**	**100**
Total	**1,989,617**	**85**	**356,319**	**15**	**2,345,936**	**100**	**2,650,338**	**76**	**826,589**	**24**	**3,476,927**	**100**

Cont. 3.7 Number of Heads of Agricultural Households by Survival of Female Parent, sex of head and Region,, 2007/08 Agricultural Year

Region	Don't know						Total					
	Male		Female		Total		Male		Female		Total	
Dodoma	776	39	1,207	61	1,983	100	262,714	73	96,255	27	358,969	100
Arusha	887	88	122	12	1,009	100	163,558	80	41,989	20	205,547	100
Kilimanjaro	1,320	81	312	19	1,632	100	194,897	80	47,810	20	242,708	100
Tanga	913	94	56	6	969	100	249,885	76	80,893	24	330,779	100
Morogoro	0	0	144	100	144	100	239,086	80	59,335	20	298,421	100
Pwani	166	60	111	40	277	100	141,216	81	33,307	19	174,523	100
Dar es Salaam	239	100	0	0	239	100	28,593	81	6,567	19	35,160	100
Lindi	248	100	0	0	248	100	125,334	75	41,564	25	166,898	100
Mtwara	116	50	116	50	232	100	179,942	72	69,431	28	249,373	100
Ruvuma	890	100	0	0	890	100	177,379	84	32,902	16	210,281	100
Iringa	265	62	159	38	424	100	214,602	70	92,027	30	306,629	100
Mbeya	1,002	71	410	29	1,412	100	333,897	73	120,927	27	454,824	100
Singida	103	100	0	0	103	100	179,491	83	37,501	17	216,992	100
Tabora	709	78	197	22	905	100	248,599	86	39,848	14	288,447	100
Rukwa	801	100	0	0	801	100	198,818	88	27,431	12	226,250	100
Kigoma	773	81	187	19	959	100	191,260	85	33,911	15	225,171	100
Shinyanga	1,012	79	274	21	1,286	100	411,087	85	74,124	15	485,212	100
Kagera	662	84	129	16	791	100	323,526	80	82,384	20	405,910	100
Mwanza	345	55	286	45	631	100	334,519	84	64,474	16	398,993	100
Mara	86	38	140	62	226	100	175,721	78	51,010	22	226,731	100
Manyara	132	100	0	0	132	100	172,361	87	26,152	13	198,513	100
Mainland	**11,446**	**75**	**3,849**	**25**	**15,295**	**100**	**4,546,487**	**80**	**1,159,843**	**20**	**5,706,329**	**100**
North Unguja	51	100	0	0	51	100	24,260	80	6,094	20	30,354	100
South Unguja	16	100	0	0	16	100	15,371	76	4,888	24	20,259	100
Urban West	63	67	31	33	94	100	15,386	82	3,266	18	18,651	100
North Pemba	26	100	0	0	26	100	26,004	79	6,891	21	32,895	100
South Pemba	147	83	31	17	178	100	24,195	81	5,840	19	30,034	100
Zanzibar	**302**	**83**	**62**	**17**	**365**	**100**	**105,216**	**80**	**26,977**	**20**	**132,193**	**100**
Total	**11,748**	**75**	**3,912**	**25**	**15,660**	**100**	**4,651,702**	**80**	**1,186,820**	**20**	**5,838,523**	**100**

3.8 Number of Heads of Agricultural Households by Survival of Male Parent, sex of head and Region,, 2007/08 Agricultural Year

	Yes						No					
Region	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
Dodoma	177,729	77	53,652	23	231,381	100	84,763	67	42,345	33	127,108	100
Arusha	110,581	82	23,960	18	134,541	100	52,817	75	17,907	25	70,724	100
Kilimanjaro	108,594	83	21,777	17	130,371	100	86,216	77	25,895	23	112,112	100
Tanga	144,168	80	36,213	20	180,381	100	104,953	70	44,680	30	149,634	100
Morogoro	141,676	81	32,453	19	174,129	100	97,410	79	26,674	21	124,084	100
Pwani	75,678	83	15,919	17	91,596	100	65,372	79	17,277	21	82,650	100
Dar es Salaam	16,313	83	3,382	17	19,695	100	12,280	80	3,147	20	15,428	100
Lindi	74,467	78	20,664	22	95,131	100	50,774	71	20,899	29	71,673	100
Mtwara	106,839	77	31,073	23	137,912	100	73,103	66	38,358	34	111,461	100
Ruvuma	105,209	86	16,755	14	121,963	100	72,089	82	16,147	18	88,236	100
Iringa	112,894	75	36,782	25	149,675	100	101,708	65	55,179	35	156,888	100
Mbeya	195,866	79	50,979	21	246,844	100	137,747	66	69,822	34	207,570	100
Singida	109,435	86	18,360	14	127,796	100	69,876	78	19,141	22	89,017	100
Tabora	144,157	88	19,057	12	163,214	100	104,177	83	20,594	17	124,772	100
Rukwa	123,935	90	13,572	10	137,508	100	74,707	84	13,812	16	88,518	100
Kigoma	122,509	89	15,432	11	137,941	100	67,832	79	18,292	21	86,124	100
Shinyanga	240,847	88	32,986	12	273,833	100	169,774	81	40,965	19	210,740	100
Kagera	183,725	85	32,862	15	216,587	100	139,234	74	49,522	26	188,756	100
Mwanza	193,006	89	24,739	11	217,744	100	141,513	78	39,449	22	180,962	100
Mara	105,567	82	23,868	18	129,436	100	69,734	72	27,001	28	96,736	100
Manyara	113,507	89	14,404	11	127,911	100	58,797	83	11,748	17	70,545	100
Mainland	**2,706,700**	**83**	**538,889**	**17**	**3,245,589**	**100**	**1,834,878**	**75**	**618,856**	**25**	**2,453,734**	**100**
North Unguja	13,345	84	2,466	16	15,811	100	10,915	75	3,628	25	14,543	100
South Unguja	8,759	79	2,263	21	11,022	100	6,613	72	2,625	28	9,237	100
Urban West	9,702	86	1,570	14	11,272	100	5,652	77	1,696	23	7,347	100
North Pemba	13,965	85	2,409	15	16,374	100	12,013	73	4,482	27	16,495	100
South Pemba	13,577	85	2,417	15	15,993	100	10,618	76	3,423	24	14,041	100
Zanzibar	**59,348**	**84**	**11,124**	**16**	**70,472**	**100**	**45,811**	**74**	**15,853**	**26**	**61,664**	**100**
Natinal Total	**2,766,048**	**83**	**550,014**	**17**	**3,316,061**	**100**	**1,880,689**	**75**	**634,709**	**25**	**2,515,398**	**100**

Cont. 3.8 Number of Heads of Agricultural Households by Survival of Male Parent, sex of head and Region,, 2007/08 Agricultural Year

	Don't know						Total					
Region	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
Dodoma	222	46	258	54	480	100	262,714	73	96,255	27	358,969	100
Arusha	161	57	122	43	283	100	163,558	80	41,989	20	205,547	100
Kilimanjaro	87	39	138	61	225	100	194,897	80	47,810	20	242,708	100
Tanga	764	100	0	0	764	100	249,885	76	80,893	24	330,779	100
Morogoro	0	0	208	100	208	100	239,086	80	59,335	20	298,421	100
Pwani	166	60	111	40	277	100	141,216	81	33,307	19	174,523	100
Dar es Salaam	0	0	37	100	37	100	28,593	81	6,567	19	35,160	100
Lindi	94	100	0	0	94	100	125,334	75	41,564	25	166,898	100
Mtwara	0	0	0	0	0	0	179,942	72	69,431	28	249,373	100
Ruvuma	81	100	0	0	81	100	177,379	84	32,902	16	210,281	100
Iringa	0	0	66	100	66	100	214,602	70	92,027	30	306,629	100
Mbeya	284	69	126	31	410	100	333,897	73	120,927	27	454,824	100
Singida	180	100	0	0	180	100	179,491	83	37,501	17	216,992	100
Tabora	264	57	197	43	461	100	248,599	86	39,848	14	288,447	100
Rukwa	176	79	47	21	224	100	198,818	88	27,431	12	226,250	100
Kigoma	919	83	187	17	1,105	100	191,260	85	33,911	15	225,171	100
Shinyanga	466	73	173	27	639	100	411,087	85	74,124	15	485,212	100
Kagera	567	100	0	0	567	100	323,526	80	82,384	20	405,910	100
Mwanza	0	0	286	100	286	100	334,519	84	64,474	16	398,993	100
Mara	420	75	140	25	560	100	175,721	78	51,010	22	226,731	100
Manyara	57	100	0	0	57	100	172,361	87	26,152	13	198,513	100
Mainland	**4,909**	**70**	**2,097**	**30**	**7,006**	**100**	**4,546,487**	**80**	**1,159,843**	**20**	**5,706,329**	**100**
North Unguja	0	0	0	0	0	0	24,260	80	6,094	20	30,354	100
South Unguja	0	0	0	0	0	0	15,371	76	4,888	24	20,259	100
Urban West	31	100	0	0	31	100	15,386	82	3,266	18	18,651	100
North Pemba	26	100	0	0	26	100	26,004	79	6,891	21	32,895	100
South Pemba	0	0	0	0	0	0	24,195	81	5,840	19	30,034	100
Zanzibar	**57**	**100**	**0**	**0**	**57**	**100**	**105,216**	**80**	**26,977**	**20**	**132,193**	**100**
Natinal Total	**4,966**	**70**	**2,097**	**30**	**7,063**	**100**	**4,651,702**	**80**	**1,186,820**	**20**	**5,838,523**	**100**

3 .9 HOUSEHOLD DEMOGRAPHS: Number of Household Members Who Can Read and Write languages by type of language and region

Region	Swahili		Swahili & English		Any Other Language		Don't Read / Write		Total
	Number	%	Number	%	Number	%	Number	%	
Dodoma	886,627	60.7	112,827	7.7	3,020	0.2	458,445	31.4	1,460,918
Arusha	582,178	63.4	100,096	10.9	1,197	0.1	235,022	25.6	918,492
Kilimanja	759,683	72.4	172,562	16.4	1,464	0.1	115,330	11.0	1,049,038
Tanga	978,415	69.6	73,859	5.3	810	0.1	351,729	25.0	1,404,813
Morogoro	894,074	71.0	67,011	5.3	320	0.0	297,674	23.6	1,259,080
Pwani	500,230	68.6	41,562	5.7	1,217	0.2	185,842	25.5	728,850
Dar es Sa	119,524	68.2	35,342	20.2	0	0.0	20,343	11.6	175,209
Lindi	360,668	59.5	63,062	10.4	414	0.1	181,849	30.0	605,993
Mtwara	552,724	65.0	35,022	4.1	356	0.0	261,705	30.8	849,808
Ruvuma	635,739	74.6	39,369	4.6	380	0.0	176,715	20.7	852,203
Iringa	833,180	71.0	98,292	8.4	1,186	0.1	240,431	20.5	1,173,089
Mbeya	1,207,446	67.9	144,474	8.1	726	0.0	424,607	23.9	1,777,252
Singida	721,903	69.1	64,317	6.2	833	0.1	258,237	24.7	1,045,291
Tabora	921,790	59.1	75,199	4.8	519	0.0	563,437	36.1	1,560,946
Rukwa	642,854	61.7	63,261	6.1	384	0.0	335,633	32.2	1,042,131
Kigoma	737,100	67.8	73,135	6.7	359	0.0	276,582	25.4	1,087,176
Shinyanga	1,776,075	61.4	155,635	5.4	1,320	0.0	959,419	33.2	2,892,450
Kagera	1,193,364	67.8	120,286	6.8	920	0.1	445,531	25.3	1,760,101
Mwanza	1,475,212	65.6	127,792	5.7	6,740	0.3	638,985	28.4	2,248,729
Mara	842,033	71.2	101,765	8.6	2,267	0.2	237,298	20.1	1,183,363
Manyara	650,989	65.0	71,359	7.1	872	0.1	278,404	27.8	1,001,624
Mainland	**17,271,810**	66.2	1,836,226	7.0	**25,303**	0.1	**6,943,217**	26.6	**26,076,555**
North Unguja	80,766	55.0	16,855	11.5	216	0.1	49,083	33.4	146,921
South Unguja	57,056	63.2	17,724	19.6	95	0.1	15,338	17.0	90,214
Urban West	49,297	52.6	27,851	29.7	565	0.6	16,045	17.1	93,759
North Pemba	72,166	44.0	23,669	14.4	142	0.1	68,130	41.5	164,108
South Pemba	75,147	49.5	25,755	17.0	192	0.1	50,630	33.4	151,724
Zanzibar	**334,433**	51.7	111,856	17.3	**1,210**	0.2	**199,226**	30.8	**646,725**
National	**17,606,242**				**26,514**		**7,142,443**		**26,723,280**

3.10 Number of Heads of Agricultural Households By Status of writing and reading Languages, sex of head and Region, 2007/08 Agricultural Year

	Swahili						Swahili & English					
Region	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
Dodoma	179,500	81	42,297	19	221,797	100	18,210	86	3,012	14	21,222	100
Arusha	102,599	88	14,248	12	116,847	100	16,756	90	1,778	10	18,535	100
Kilimanjaro	144,099	81	34,054	19	178,153	100	36,655	91	3,637	9	40,292	100
Tanga	195,571	82	41,914	18	237,485	100	12,158	84	2,339	16	14,497	100
Morogoro	189,366	84	36,131	16	225,497	100	12,762	89	1,600	11	14,363	100
Pwani	101,316	87	15,075	13	116,391	100	8,518	88	1,131	12	9,649	100
Dar es Salaam	19,219	84	3,685	16	22,904	100	7,113	85	1,207	15	8,320	100
Lindi	83,406	82	18,070	18	101,476	100	15,280	81	3,565	19	18,845	100
Mtwara	124,479	80	30,738	20	155,217	100	9,078	85	1,544	15	10,621	100
Ruvuma	145,337	87	20,863	13	166,200	100	10,443	82	2,251	18	12,694	100
Iringa	163,431	78	44,777	22	208,208	100	17,883	81	4,183	19	22,066	100
Mbeya	247,733	82	53,697	18	301,430	100	24,951	89	3,179	11	28,130	100
Singida	134,039	88	18,400	12	152,439	100	11,109	84	2,153	16	13,262	100
Tabora	162,857	91	16,204	9	179,061	100	12,658	92	1,099	8	13,757	100
Rukwa	144,159	92	12,502	8	156,662	100	16,048	94	1,084	6	17,133	100
Kigoma	146,510	91	14,155	9	160,665	100	9,094	88	1,196	12	10,290	100
Shinyanga	262,156	91	27,059	9	289,215	100	25,778	94	1,736	6	27,514	100
Kagera	239,954	85	43,373	15	283,327	100	23,888	93	1,822	7	25,711	100
Mwanza	240,518	90	26,993	10	267,512	100	17,875	88	2,386	12	20,261	100
Mara	133,683	84	25,569	16	159,252	100	15,750	84	2,964	16	18,714	100
Manyara	117,081	92	10,248	8	127,330	100	7,626	91	749	9	8,375	100
Mainland	**3,277,013**	**86**	**550,052**	**14**	**3,827,065**	**100**	**329,633**	**88**	**44,616**	**12**	**374,250**	**100**
North Unguja	12,407	89	1,564	11	13,971	100	2,662	88	349	12	3,011	100
South Unguja	9,358	78	2,645	22	12,003	100	4,085	91	406	9	4,490	100
Urban West	7,536	83	1,507	17	9,043	100	5,746	93	440	7	6,186	100
North Pemba	10,929	90	1,240	10	12,169	100	3,820	94	263	6	4,083	100
South Pemba	11,124	90	1,236	10	12,360	100	4,642	91	450	9	5,092	100
Zanzibar	**51,355**	**86**	**8,192**	**14**	**59,546**	**100**	**20,955**	**92**	**1,908**	**8**	**22,863**	**100**
National Total	**3,328,368**	**86**	**558,244**	**14**	**3,886,611**	**100**	**350,588**	**88**	**46,524**	**12**	**397,112**	**100**

Cont. 3.10 Number of Heads of Agricultural Households By Status of writing and reading Languages, sex of head and Region, 2007/08 Agricultural Year

	Any Other Language						Don't Read / Write					
Region	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
Dodoma	503	100	0	0	503	100	64,502	56	50,946	44	115,448	100
Arusha	119	100	0	0	119	100	44,083	63	25,963	37	70,046	100
Kilimanjaro	0	0	0	0	0	0	14,143	58	10,119	42	24,263	100
Tanga	233	40	344	60	577	100	41,924	54	36,296	46	78,220	100
Morogoro	232	100	0	0	232	100	36,725	63	21,604	37	58,330	100
Pwani	499	100	0	0	499	100	30,883	64	17,101	36	47,984	100
Dar es Salaam	0	0	0	0	0	0	2,261	57	1,676	43	3,937	100
Lindi	293	100	0	0	293	100	26,355	57	19,929	43	46,284	100
Mtwara	116	100	0	0	116	100	46,269	55	37,150	45	83,419	100
Ruvuma	380	100	0	0	380	100	21,218	68	9,788	32	31,006	100
Iringa	109	60	72	40	181	100	33,178	44	42,996	56	76,174	100
Mbeya	288	100	0	0	288	100	60,926	49	64,051	51	124,977	100
Singida	103	100	0	0	103	100	34,241	67	16,947	33	51,188	100
Tabora	0	0	0	0	0	0	73,084	76	22,545	24	95,629	100
Rukwa	159	100	0	0	159	100	38,452	74	13,845	26	52,297	100
Kigoma	0	0	0	0	0	0	35,656	66	18,560	34	54,216	100
Shinyanga	0	0	282	100	282	100	123,153	73	45,048	27	168,201	100
Kagera	437	61	276	39	713	100	59,247	62	36,912	38	96,160	100
Mwanza	1,229	91	128	9	1,356	100	74,898	68	34,966	32	109,864	100
Mara	656	88	86	12	742	100	25,633	53	22,391	47	48,023	100
Manyara	75	100	0	0	75	100	47,579	76	15,155	24	62,733	100
Mainland	**5,431**	**82**	**1,188**	**18**	**6,619**	**100**	**934,409**	**62**	**563,986**	**38**	**1,498,396**	**100**
North Unguja	25	100	0	0	25	100	9,165	69	4,180	31	13,345	100
South Unguja	32	34	63	66	95	100	1,896	52	1,775	48	3,670	100
Urban West	126	67	63	33	188	100	1,978	61	1,256	39	3,234	100
North Pemba	55	100	0	0	55	100	11,200	68	5,388	32	16,588	100
South Pemba	58	68	27	32	85	100	8,371	67	4,127	33	12,498	100
Zanzibar	**296**	**66**	**152**	**131**	**449**	**100**	**32,610**	**66**	**16,726**	**184**	**49,336**	**500**
National	**5,727**	**81**	**1,340**	**19**	**7,068**	**100**	**967,019**	**62**	**580,712**	**38**	**1,547,731**	**100**

Cont. 3.10 Number of Heads of Agricultural Households By Status of writing and reading Languages, sex of head and Region,2007/08 Agricultural Year

Region	Total					
	Male	%	Female	%	Total	%
Dodoma	262,714	73	96,255	27	358,969	100
Arusha	163,558	80	41,989	20	205,547	100
Kilimanjaro	194,897	80	47,810	20	242,708	100
Tanga	249,885	76	80,893	24	330,779	100
Morogoro	239,086	80	59,335	20	298,421	100
Pwani	141,216	81	33,307	19	174,523	100
Dar es Salaam	28,593	81	6,567	19	35,160	100
Lindi	125,334	75	41,564	25	166,898	100
Mtwara	179,942	72	69,431	28	249,373	100
Ruvuma	177,379	84	32,902	16	210,281	100
Iringa	214,602	70	92,027	30	306,629	100
Mbeya	333,897	73	120,927	27	454,824	100
Singida	179,491	83	37,501	17	216,992	100
Tabora	248,599	86	39,848	14	288,447	100
Rukwa	198,818	88	27,431	12	226,250	100
Kigoma	191,260	85	33,911	15	225,171	100
Shinyanga	411,087	85	74,124	15	485,212	100
Kagera	323,526	80	82,384	20	405,910	100
Mwanza	334,519	84	64,474	16	398,993	100
Mara	175,721	78	51,010	22	226,731	100
Manyara	172,361	87	26,152	13	198,513	100
Mainland	**4,546,487**	**80**	**1,159,843**	**20**	**5,706,329**	**100**
North Unguja	24,260	80	6,094	20	30,354	100
South Unguja	15,371	76	4,888	24	20,259	100
Urban West	15,386	82	3,266	18	18,651	100
North Pemba	26,004	79	6,891	21	32,895	100
South Pemba	24,195	81	5,840	19	30,034	100
Zanzibar	**105,216**	**80**	**26,977**	**102**	**132,193**	**500**
National	**4,651,702**	**80**	**1,186,820**	**20**	**5,838,523**	**100**

3.11 Number of Agricultural Household Members Five years and above reporting Literacy levels by Sex of Member and Region, 2007/08 Agricultural Year

Region	Male						Female						Total					
	Can Read and Write		Can not Read and Write		Total		Can Read and Write		Can not Read and Write		Total		Can Read and Write		Can not Read and Write		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	518,801	72	203,100	28	721,901	100	483,672	65	255,345	35	739,017	100	1,002,473	69	458,445	31	1,460,918	100
Arusha	362,457	77	107,506	23	469,963	100	321,013	72	127,516	28	448,529	100	683,470	74	235,022	26	918,492	100
Kilimanjaro	465,592	91	46,535	9	512,128	100	468,116	87	68,794	13	536,910	100	933,708	89	115,330	11	1,049,038	100
Tanga	542,902	79	148,590	21	691,492	100	510,182	72	203,138	28	713,321	100	1,053,084	75	351,729	25	1,404,813	100
Morogoro	505,150	80	129,368	20	634,518	100	456,255	73	168,307	27	624,562	100	961,405	76	297,674	24	1,259,080	100
Pwani	286,403	80	72,949	20	359,352	100	256,605	69	112,893	31	369,498	100	543,008	75	185,842	25	728,850	100
Dar es Salaam	82,201	92	6,902	8	89,103	100	72,665	84	13,441	16	86,106	100	154,866	88	20,343	12	175,209	100
Lindi	219,808	76	70,336	24	290,144	100	204,336	65	111,513	35	315,849	100	424,143	70	181,849	30	605,993	100
Mtwara	285,519	73	103,085	27	388,604	100	302,584	66	158,620	34	461,203	100	588,103	69	261,705	31	849,808	100
Ruvuma	340,209	83	71,919	17	412,129	100	335,279	76	104,795	24	440,074	100	675,488	79	176,715	21	852,203	100
Iringa	466,455	83	94,182	17	560,637	100	466,203	76	146,249	24	612,452	100	932,658	80	240,431	20	1,173,089	100
Mbeya	690,993	80	174,746	20	865,738	100	661,653	73	249,861	27	911,514	100	1,352,645	76	424,607	24	1,777,252	100
Singida	415,674	78	114,152	22	529,826	100	371,380	72	144,085	28	515,465	100	787,054	75	258,237	25	1,045,291	100
Tabora	549,771	68	258,920	32	808,691	100	447,738	60	304,517	40	752,255	100	997,508	64	563,437	36	1,560,946	100
Rukwa	388,666	73	147,246	27	535,913	100	317,832	63	188,387	37	506,219	100	706,499	68	335,633	32	1,042,131	100
Kigoma	423,162	78	119,117	22	542,279	100	387,432	71	157,465	29	544,897	100	810,594	75	276,582	25	1,087,176	100
Shinyanga	1,041,255	71	427,014	29	1,468,269	100	891,776	63	532,405	37	1,424,181	100	1,933,031	67	959,419	33	2,892,450	100
Kagera	680,414	78	193,477	22	873,891	100	634,157	72	252,054	28	886,210	100	1,314,570	75	445,531	25	1,760,101	100
Mwanza	852,935	75	280,026	25	1,132,961	100	756,810	68	358,959	32	1,115,769	100	1,609,744	72	638,985	28	2,248,729	100
Mara	492,636	83	97,992	17	590,627	100	453,430	76	139,307	24	592,736	100	946,065	80	237,298	20	1,183,363	100
Manyara	390,983	75	133,440	25	524,423	100	332,237	70	144,964	30	477,201	100	723,220	72	278,404	28	1,001,624	100
Mainland	**10,001,986**	**77**	**3,000,602**	**23**	**13,002,588**	**100**	**9,131,352**	**70**	**3,942,615**	**30**	**13,073,967**	**100**	**19,133,338**	**73**	**6,943,217**	**27**	**26,076,555**	**100**
North Unguja	51,422	70	21,854	30	73,276	100	46,415	63	27,229	37	73,644	100	97,838	67	49,083	33	146,921	100
South Unguja	38,579	85	6,620	15	45,200	100	36,297	81	8,717	19	45,014	100	74,876	83	15,338	17	90,214	100
Urban West	39,909	85	7,096	15	47,005	100	37,805	81	8,949	19	46,754	100	77,714	83	16,045	17	93,759	100
North Pemba	51,934	63	30,070	37	82,004	100	44,044	54	38,060	46	82,104	100	95,978	58	68,130	42	164,108	100
South Pemba	52,329	70	22,400	30	74,730	100	48,765	63	28,230	37	76,995	100	101,094	67	50,630	33	151,724	100
Zanzibar	**234,174**	**73**	**88,041**	**27**	**322,215**	**100**	**213,326**	**66**	**111,185**	**34**	**324,511**	**100**	**447,499**	**69**	**199,226**	**31**	**646,725**	**100**
Total	**10,236,160**	**77**	**3,088,643**	**23**	**13,324,803**	**100**	**9,344,678**	**70**	**4,053,800**	**30**	**13,398,477**	**100**	**19,580,837**	**73**	**7,142,443**	**27**	**26,723,280**	**100**

3.12 Number of heads of Agricultural households reporting Literacy levels by Sex of Member and Region, 2007/08 Agricultural Year

Region	Male						Female						Total					
	Can Read and Write		Can not Read and Write		Total		Can Read and Write		Can not Read and Write		Total		Can Read and Write		Can not Read and Write		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	198,212	75	64,502	25	262,714	100	45,309	47	50,946	53	96,255	100	243,522	68	115,448	32	358,969	100
Arusha	119,475	73	44,083	27	163,558	100	16,026	38	25,963	62	41,989	100	135,501	66	70,046	34	205,547	100
Kilimanjaro	180,754	93	14,143	7	194,897	100	37,691	79	10,119	21	47,810	100	218,445	90	24,263	10	242,708	100
Tanga	207,962	83	41,924	17	249,885	100	44,597	55	36,296	45	80,893	100	252,559	76	78,220	24	330,779	100
Morogoro	202,361	85	36,725	15	239,086	100	37,731	64	21,604	36	59,335	100	240,092	80	58,330	20	298,421	100
Pwani	110,333	78	30,883	22	141,216	100	16,206	49	17,101	51	33,307	100	126,539	73	47,984	27	174,523	100
Dar es Salaam	26,332	92	2,261	8	28,593	100	4,891	74	1,676	26	6,567	100	31,223	89	3,937	11	35,160	100
Lindi	98,979	79	26,355	21	125,334	100	21,635	52	19,929	48	41,564	100	120,614	72	46,284	28	166,898	100
Mtwara	133,673	74	46,269	26	179,942	100	32,281	46	37,150	54	69,431	100	165,954	67	83,419	33	249,373	100
Ruvuma	156,161	88	21,218	12	177,379	100	23,114	70	9,788	30	32,902	100	179,275	85	31,006	15	210,281	100
Iringa	181,424	85	33,178	15	214,602	100	49,032	53	42,996	47	92,027	100	230,455	75	76,174	25	306,629	100
Mbeya	272,971	82	60,926	18	333,897	100	56,876	47	64,051	53	120,927	100	329,848	73	124,977	27	454,824	100
Singida	145,250	81	34,241	19	179,491	100	20,554	55	16,947	45	37,501	100	165,804	76	51,188	24	216,992	100
Tabora	175,515	71	73,084	29	248,599	100	17,303	43	22,545	57	39,848	100	192,818	67	95,629	33	288,447	100
Rukwa	160,366	81	38,452	19	198,818	100	13,587	50	13,845	50	27,431	100	173,953	77	52,297	23	226,250	100
Kigoma	155,603	81	35,656	19	191,260	100	15,351	45	18,560	55	33,911	100	170,954	76	54,216	24	225,171	100
Shinyanga	287,935	70	123,153	30	411,087	100	29,076	39	45,048	61	74,124	100	317,011	65	168,201	35	485,212	100
Kagera	264,279	82	59,247	18	323,526	100	45,471	55	36,912	45	82,384	100	309,750	76	96,160	24	405,910	100
Mwanza	259,621	78	74,898	22	334,519	100	29,508	46	34,966	54	64,474	100	289,129	72	109,864	28	398,993	100
Mara	150,089	85	25,633	15	175,721	100	28,619	56	22,391	44	51,010	100	178,708	79	48,023	21	226,731	100
Manyara	124,782	72	47,579	28	172,361	100	10,997	42	15,155	58	26,152	100	135,779	68	62,733	32	198,513	100
Mainland	**3,612,078**	**79**	**934,409**	**21**	**4,546,487**	**100**	**595,856**	**51**	**563,986**	**49**	**1,159,843**	**100**	**4,207,934**	**74**	**1,498,396**	**26**	**5,706,329**	**100**
North Unguja	15,095	62	9,165	38	24,260	100	1,913	31	4,180	69	6,094	100	17,008	56	13,345	44	30,354	100
South Unguja	13,476	88	1,896	12	15,371	100	3,113	64	1,775	36	4,888	100	16,589	82	3,670	18	20,259	100
Urban West	13,408	87	1,978	13	15,386	100	2,010	62	1,256	38	3,266	100	15,417	83	3,234	17	18,651	100
North Pemba	14,804	57	11,200	43	26,004	100	1,503	22	5,388	78	6,891	100	16,307	50	16,588	50	32,895	100
South Pemba	15,824	65	8,371	35	24,195	100	1,713	29	4,127	71	5,840	100	17,537	58	12,498	42	30,034	100
Zanzibar	**72,606**	**69**	**32,610**	**31**	**105,216**	**100**	**10,252**	**38**	**16,726**	**62**	**26,977**	**100**	**82,858**	**63**	**49,336**	**37**	**132,193**	**100**
Total	**3,684,683**	**79**	**967,019**	**21**	**4,651,702**	**100**	**606,108**	**51**	**580,712**	**49**	**1,186,820**	**100**	**4,290,791**	**73**	**1,547,731**	**27**	**5,838,523**	**100**

3 .13 HOUSEHOLD DEMOGRAPHS: Number of Household Members Five years and above by Education Status and Region

Region	Attending School	%	Completed	%	Never Attended to School	%	Total
Dodoma	467,890	5	569,382	5	423,646	7	1,460,918
Arusha	333,342	4	363,230	3	221,919	4	918,492
Kilimanja	413,231	4	537,782	5	98,025	2	1,049,038
Tanga	528,224	6	580,114	5	296,475	5	1,404,813
Morogoro	411,520	4	582,257	5	265,304	4	1,259,080
Pwani	251,147	3	301,777	3	175,926	3	728,850
Dar es Salam	68,742	1	87,797	1	18,670	0	175,209
Lindi	171,738	2	268,185	3	166,069	3	605,993
Mtwara	247,432	3	375,874	4	226,502	4	849,808
Ruvuma	297,727	3	424,298	4	130,178	2	852,203
Iringa	439,772	5	524,650	5	208,667	3	1,173,089
Mbeya	708,261	8	716,193	7	352,799	6	1,777,252
Singida	367,849	4	450,427	4	227,015	4	1,045,291
Tabora	477,612	5	562,326	5	521,008	8	1,560,946
Rukwa	353,404	4	400,983	4	287,744	5	1,042,131
Kigoma	399,721	4	443,650	4	243,805	4	1,087,176
Shinyanga	946,547	10	1,072,470	10	873,433	14	2,892,450
Kagera	667,844	7	713,054	7	379,204	6	1,760,101
Mwanza	830,572	9	844,053	8	574,105	9	2,248,729
Mara	466,634	5	517,389	5	199,341	3	1,183,363
Manyara	361,930	4	375,520	4	264,173	4	1,001,624
Mainland	**9,211,136**	**100**	**10,711,411**	**100**	**6,154,008**	**100**	**26,076,555**
North Unguja	54,445	23	48,520	22	43,955	24	146,921
South Unguja	35,160	15	42,785	19	12,270	7	90,214
Urban West	36,109	15	42,515	19	15,135	8	93,759
North Pemba	56,635	24	41,735	19	65,738	35	164,108
South Pemba	58,540	24	44,365	20	48,819	26	151,724
Zanzibar	**240,889**	**100**	**219,919**	**100**	**185,917**	**100**	**646,725**
National	9,452,025		10,931,330		6,339,925		26,723,280

OWNERSHIP AND LAND USE

4.1 LAND ACCESS/OWNERSHIP: Number of Farming households by type of land Ownership/Tenure and Region for the 2007/08 agriculture year

Region	Land ownership/tenure															
	Leased / Certificate of Ownership		Owned under Customary Law		Bought		Rented		Borrowed		Households with area Share - cropped		Households with area under Other forms of Tenure			Total number of households
	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%		
Dodoma	24,628	6.9	298,715	83.2	40,737	11.3	30,885	8.6	16,414	4.6	1,822	0.5	9,511	2.6		358,969
Arusha	10,811	5.3	143,524	69.8	28,357	13.8	14,257	6.9	10,850	5.3	2,725	1.3	3,722	1.8		205,547
Kilimanjaro	7,433	3.1	214,432	88.3	30,722	12.7	32,402	13.4	20,587	8.5	4,695	1.9	2,161	0.9		242,708
Tanga	17,238	5.2	268,575	81.2	51,576	15.6	12,432	3.8	36,516	11.0	1,444	0.4	4,993	1.5		330,779
Morogoro	29,479	9.9	212,947	71.4	64,398	21.6	55,369	18.6	17,526	5.9	935	0.3	7,760	2.6		298,421
Pwani	7,954	4.6	139,583	80.0	31,888	18.3	1,782	1.0	11,910	6.8	571	0.3	4,378	2.5		174,523
Dar es Salaam	2,846	8.1	9,842	28.0	17,954	51.1	2,439	6.9	6,118	17.4	731	2.1	1,359	3.9		35,160
Lindi	9,080	5.4	140,058	83.9	18,085	10.8	5,182	3.1	11,747	7.0	921	0.6	6,402	3.8		166,898
Mtwara	13,031	5.2	210,610	84.5	46,536	18.7	3,907	1.6	14,356	5.8	2,100	0.8	8,394	3.4		249,373
Ruvuma	10,100	4.8	188,082	89.4	29,034	13.8	10,596	5.0	12,681	6.0	873	0.4	4,170	2.0		210,281
Iringa	24,180	7.9	268,789	87.7	48,690	15.9	41,628	13.6	28,300	9.2	3,098	1.0	11,224	3.7		306,629
Mbeya	28,048	6.2	382,280	84.0	65,572	14.4	72,157	15.9	31,316	6.9	4,151	0.9	11,698	2.6		454,824
Singida	18,047	8.3	175,957	81.1	22,335	10.3	20,331	9.4	8,139	3.8	1,554	0.7	11,659	5.4		216,992
Tabora	17,363	6.0	213,530	74.0	73,852	25.6	26,395	9.2	17,672	6.1	1,937	0.7	4,546	1.6		288,447
Rukwa	11,698	5.2	165,032	72.9	53,297	23.6	23,765	10.5	15,233	6.7	944	0.4	4,700	2.1		226,250
Kigoma	16,205	7.2	198,984	88.4	47,569	21.1	7,771	3.5	21,586	9.6	782	0.3	5,711	2.5		225,171
Shinyanga	15,228	3.1	369,261	76.1	106,532	22.0	106,697	22.0	50,887	10.5	2,910	0.6	5,641	1.2		485,212
Kagera	10,820	2.7	306,560	75.5	161,727	39.8	25,813	6.4	49,733	12.3	2,783	0.7	7,479	1.8		405,910
Mwanza	18,806	4.7	281,447	70.5	121,212	30.4	80,450	20.2	32,206	8.1	2,866	0.7	6,767	1.7		398,993
Mara	11,519	5.1	200,534	88.4	23,827	10.5	23,839	10.5	21,468	9.5	2,839	1.3	5,029	2.2		226,731
Manyara	26,109	13.2	151,115	76.1	29,242	14.7	22,480	11.3	7,004	3.5	3,106	1.6	4,950	2.5		198,513
Mainland	**330,623**	**6**	**4,539,855**	**80**	**1,113,144**	**20**	**620,578**	**11**	**442,249**	**8**	**43,786**	**1**	**132,252**	**2**		**5,706,329**
North Unguja	4,691	15	18,010	59	2,270	7	646	2	10,663	35	343	1.1	2,950	9.7		30,354
South Unguja	4,585	23	9,720	48	1,898	9	456	2	7,619	38	766	3.8	1,777	8.8		20,259
Urban West	2,920	16	3,360	18	2,952	16	283	2	10,739	58	628	3.4	1,350	7.2		18,651
North Pemba	5,282	16	19,754	60	5,643	17	493	1	16,230	49	51	0.2	2,644	8.0		32,895
South Pemba	5,034	17	16,134	54	3,175	11	406	1	14,834	49	214	0.7	2,288	7.6		30,034
Zanzibar	**22,511**	**17**	**66,978**	**51**	**15,936**	**12**	**2,283**	**9**	**60,085**	**45**	**2,003**	**2**	**11,009**	**8**		**132,193**
National Total	**353,134**	**6**	**4,606,833**	**79**	**1,129,080**	**19**	**622,862**	**11**	**502,334**	**9**	**45,789**	**1**	**143,261**	**2**		**5,838,523**

4.2 LAND ACCESS/OWNERSHIP: Area of land (ha) by Ownership/Tenure and Region for the 2007/08 agriculture year

Region

	Area leased / Certificate of Ownership	Area owned under Customary Law	Area Bought	Area rented	Area Borrowed	Area Share - cropped	Area under Other forms of Tenure	Total area (ha)
Dodoma	54,915	674,642	112,978	58,121	26,116	3,114	17,459	947,344
Arusha	11,290	220,500	25,527	11,840	6,293	3,259	4,511	283,220
Kilimanjaro	10,197	173,091	27,195	16,793	8,521	2,197	1,356	239,350
Tanga	52,804	507,488	81,409	10,255	30,777	2,850	12,040	697,623
Morogoro	75,507	393,755	105,446	52,480	13,759	3,726	20,740	665,412
Pwani	19,906	261,366	62,593	1,202	9,612	449	3,855	358,983
Dar es Salaam	6,163	14,221	16,586	1,685	4,384	367	1,885	45,291
Lindi	13,237	283,202	31,804	3,074	8,736	661	11,564	352,278
Mtwara	18,382	371,224	79,663	3,486	8,706	2,063	11,419	494,943
Ruvuma	43,932	646,652	62,876	9,958	9,956	1,689	8,650	783,713
Iringa	52,212	576,814	72,858	34,920	17,314	1,957	14,105	770,180
Mbeya	54,100	647,086	68,924	52,465	19,769	3,781	26,905	873,030
Singida	64,063	399,679	70,875	25,854	9,581	7,427	65,041	642,520
Tabora	86,245	848,624	265,367	32,560	15,211	3,118	11,443	1,262,568
Rukwa	43,475	524,483	178,579	28,623	17,473	1,852	18,902	813,386
Kigoma	17,158	314,707	57,278	4,579	11,688	346	3,293	409,049
Shinyanga	37,830	1,571,207	423,417	138,671	64,233	9,230	13,992	2,258,580
Kagera	13,539	349,006	229,983	16,535	40,642	1,280	4,722	655,708
Mwanza	34,982	609,453	248,495	73,486	26,898	2,841	12,555	1,008,709
Mara	18,182	423,142	30,082	19,504	15,606	3,456	4,397	514,370
Manyara	81,138	398,348	63,591	36,539	7,913	7,715	12,843	608,088
Mainland	**809,258**	**10,208,690**	**2,315,526**	**632,627**	**373,188**	**63,379**	**281,677**	**14,684,345**
%	**5.5**	**69.5**	**15.8**	**4.3**	**2.5**	**0.4**	**1.9**	**100**
North Unguja	3,595	13,588	1,165	553	6,835	276	1,929	27,940
South Unguja	3,970	7,051	1,777	394	5,669	526	1,585	20,971
Urban West	2,250	2,206	989	159	5,641	219	817	12,280
North Pemba	3,415	14,807	3,175	223	10,607	124	1,604	33,955
South Pemba	4,344	11,848	2,123	254	10,573	125	1,198	30,465
Zanzibar	**17,574**	**49,499**	**9,228**	**1,583**	**39,324**	**1,270**	**7,132**	**125,611**
%	**14.0**	**39.4**	**7.3**	**1.3**	**31.3**	**1.0**	**5.7**	**100**
National Total	**826,833**	**10,258,189**	**2,324,754**	**634,210**	**412,512**	**64,649**	**288,809**	**14,809,956**
%	**5.6**	**69.3**	**15.7**	**4.3**	**2.8**	**0.4**	**2.0**	**100**

4.3 LAND SUFFICIENCY: Number of Agriculture Households by Whether All Land Available to the Household Was Used during 2007/08 agriculture year and Region

Region	Was all Land Available to the Hh Used During 2007/08?				
	Yes	%	No	%	Total
Dodoma	272,522	76	86,447	24	358,969
Arusha	150,675	73	54,873	27	205,547
Kilimanjaro	208,381	86	34,327	14	242,708
Tanga	209,168	63	121,611	37	330,779
Morogoro	213,222	71	85,199	29	298,421
Pwani	111,258	64	63,265	36	174,523
Dar es Salaam	25,789	73	9,371	27	35,160
Lindi	119,074	71	47,824	29	166,898
Mtwara	167,367	67	82,006	33	249,373
Ruvuma	89,853	43	120,428	57	210,281
Iringa	165,867	54	140,762	46	306,629
Mbeya	346,907	76	107,917	24	454,824
Singida	155,297	72	61,695	28	216,992
Tabora	136,630	47	151,817	53	288,447
Rukwa	93,414	41	132,835	59	226,250
Kigoma	122,902	55	102,269	45	225,171
Shinyanga	341,935	70	143,276	30	485,212
Kagera	250,001	62	155,909	38	405,910
Mwanza	285,646	72	113,347	28	398,993
Mara	131,928	58	94,803	42	226,731
Manyara	151,619	76	46,894	24	198,513
Mainland	**3,749,455**	**66**	**1,956,874**	**34**	**5,706,329**
North Unguja	27,697	91	2,656	9	30,354
South Unguja	18,172	90	2,087	10	20,259
Urban West	16,234	87	2,418	13	18,651
North Pemba	27,859	85	5,036	15	32,895
South Pemba	28,241	94	1,793	6	30,034
Zanzibar	**118,203**	**89**	**13,990**	**11**	**132,193**
National Total	**3,867,659**	**66**	**1,970,864**	**34**	**5,838,523**

4.4 LAND SUFFICIENCY: Number of Agriculture Households by Whether they Consider Having Sufficient Land for the Household and Region during 2007/08 agriculture year

Region	Do you Consider that you have sufficient land for the Hh?				
	Yes	%	No	%	Total
Dodoma	163,731	46	195,238	54	358,969
Arusha	31,003	15	174,544	85	205,547
Kilimanjaro	57,932	24	184,776	76	242,708
Tanga	131,712	40	199,066	60	330,779
Morogoro	113,412	38	185,009	62	298,421
Pwani	91,386	52	83,137	48	174,523
Dar es Salaam	10,911	31	24,249	69	35,160
Lindi	96,210	58	70,688	42	166,898
Mtwara	147,035	59	102,338	41	249,373
Ruvuma	110,043	52	100,238	48	210,281
Iringa	138,271	45	168,358	55	306,629
Mbeya	165,850	36	288,974	64	454,824
Singida	72,966	34	144,026	66	216,992
Tabora	150,881	52	137,566	48	288,447
Rukwa	96,673	43	129,577	57	226,250
Kigoma	65,521	29	159,649	71	225,171
Shinyanga	127,892	26	357,320	74	485,212
Kagera	138,051	34	267,859	66	405,910
Mwanza	107,403	27	291,590	73	398,993
Mara	52,714	23	174,017	77	226,731
Manyara	39,401	20	159,112	80	198,513
Mainland	**2,109,000**	**37**	**3,597,330**	**63**	**5,706,329**
North Unguja	12,196	40	18,158	60	30,354
South Unguja	10,352	51	9,907	49	20,259
Urban West	5,715	31	12,937	69	18,651
North Pemba	15,447	47	17,448	53	32,895
South Pemba	14,978	50	15,056	50	30,034
Zanzibar	**58,688**	**44**	**73,506**	**56**	**132,193**
National Total	**2,167,687**	**37**	**3,670,835**	**63**	**5,838,523**

4.5 LAND ACCESS/OWNERSHIP/TENURE: Number of Agriculture Households By Whether Female Members of the Household Own or Have Cusomary Right to Land By Region during 2007/08 Agriculture year

Region	Do any Female Members of the Hh own or have customary right to Land				
	Yes	%	No	%	Total
Dodoma	96,983	27	261,986	73	358,969
Arusha	44,080	21	161,467	79	205,547
Kilimanjaro	57,931	24	184,777	76	242,708
Tanga	97,208	29	233,571	71	330,779
Morogoro	101,503	34	196,918	66	298,421
Pwani	53,992	31	120,530	69	174,523
Dar es Salaam	8,544	24	26,616	76	35,160
Lindi	42,368	25	124,530	75	166,898
Mtwara	94,069	38	155,304	62	249,373
Ruvuma	65,539	31	144,741	69	210,281
Iringa	141,471	46	165,158	54	306,629
Mbeya	126,816	28	328,009	72	454,824
Singida	47,719	22	169,273	78	216,992
Tabora	44,438	15	244,009	85	288,447
Rukwa	47,194	21	179,056	79	226,250
Kigoma	43,049	19	182,121	81	225,171
Shinyanga	76,734	16	408,477	84	485,212
Kagera	105,637	26	300,273	74	405,910
Mwanza	86,604	22	312,389	78	398,993
Mara	52,604	23	174,127	77	226,731
Manyara	31,750	16	166,763	84	198,513
Mainland	**1,466,234**	**26**	**4,240,095**	**74**	**5,706,329**
North Unguja	20,133	66	10,221	34	30,354
South Unguja	14,781	73	5,478	27	20,259
Urban West	15,731	84	2,920	16	18,651
North Pemba	30,053	91	2,842	9	32,895
South Pemba	28,197	94	1,838	6	30,034
Zanzibar	**108,895**	**82**	23,298	18	132,193
National Total	**1,575,129**	**27**	4,263,393	73	5,838,523

4.6 LAND USE: Number of Agriculture Households by Type of Land Use and Region for the 2007/08 agriculture year

Regions	Type of land use																								
	Households under Temporary Mono Crops		Households under Temporary Mixed Crops		Households under Permanent Mono Crops		Households under Permanent Mixed Crops		Households under Permanent / Annual Mix		Households under Pasture		Households under Fallow		Households under Natural Bush		Households under Planted Trees		Households Rented to Others		Households Unusable		Households of Uncultivated Usable Land		Total number of households
	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	No of Households	%	
Dodoma	297,804	83	99,559	27.7	8,631	2.4	2,122	0.6	4,289	1.2	6,049	1.7	40,073	11.2	4,108	1.1	503	0.1	5,901	1.6	7,867	2.2	26,459	7.4	358,969
Arusha	72,092	35.1	103,721	50.5	14,387	7	20,225	9.8	7,106	3.5	23,516	11.4	11,083	5.4	1,456	0.7	2,017	1	2,307	1.1	6,485	3.2	7,238	3.5	205,547
Kilimanjaro	90,592	37.3	106,908	44	36,071	14.9	80,773	33.3	49,166	20.3	13,647	5.6	18,871	7.8	835	0.3	6,561	2.7	3,588	1.5	3,634	1.5	6,675	2.8	242,708
Tanga	218,076	65.9	92,632	28	58,244	17.6	39,205	11.9	39,081	11.8	6,995	2.1	48,095	14.5	4,435	1.3	4,394	1.3	6,186	1.9	11,267	3.4	56,979	17.2	330,779
Morogoro	255,242	85.5	51,920	17.4	44,030	14.8	17,845	6	21,804	7.3	7,673	2.6	40,338	13.5	3,814	1.3	3,932	1.3	10,005	3.4	6,704	2.2	30,397	10.2	298,421
Pwani	91,974	52.7	37,678	21.6	56,242	32.2	43,534	24.9	31,776	18.2	3,557	2	21,359	12.2	1,088	0.6	739	0.4	1,053	0.6	2,595	1.5	29,013	16.6	174,523
Dar es Salaam	19,288	54.9	7,565	21.5	6,383	18.2	7,564	21.5	8,719	24.8	1,581	4.5	4,073	11.6	323	0.9	322	0.9	365	1	1,474	4.2	2,126	6	35,160
Lindi	81,251	48.7	67,796	40.6	51,142	30.6	13,895	8.3	42,793	25.6	614	0.4	24,981	15	2,747	1.6	76	0	1,714	1	1,008	0.6	11,102	6.7	166,898
Mtwara	120,125	48.2	95,998	38.5	85,374	34.2	13,302	5.3	66,936	26.8	204	0.1	37,849	15.2	4,388	1.8	153	0.1	2,011	0.8	855	0.3	29,210	11.7	249,373
Ruvuma	174,502	83	62,435	29.7	83,523	39.7	22,325	10.6	42,042	20	8,267	3.9	86,925	41.3	29,192	13.9	10,137	4.8	7,479	3.6	8,838	4.2	24,129	11.5	210,281
Iringa	219,276	71.5	133,705	43.6	24,153	7.9	6,918	2.3	12,103	3.9	13,974	4.6	92,547	30.2	11,850	3.9	62,027	20.2	15,709	5.1	19,368	6.3	31,957	10.4	306,629
Mbeya	388,091	85.3	108,899	23.9	107,657	23.7	53,916	11.9	27,988	6.2	9,778	2.1	73,004	16.1	7,461	1.6	27,777	6.1	19,889	4.4	11,573	2.5	29,021	6.4	454,824
Singida	162,975	75.1	71,641	33	3,255	1.5	1,399	0.6	4,001	1.8	13,326	6.1	30,671	14.1	7,773	3.6	1,397	0.6	4,287	2	2,528	1.2	15,220	7	216,992
Tabora	253,006	87.7	115,878	40.2	15,785	5.5	2,391	0.8	9,523	3.3	19,424	6.7	105,677	36.6	33,282	11.5	3,931	1.4	7,968	2.8	12,606	4.4	41,770	14.5	288,447
Rukwa	202,719	89.6	31,210	13.8	12,242	5.4	1,369	0.6	8,940	4	6,288	2.8	70,993	31.4	14,126	6.2	5,420	2.4	7,574	3.3	10,658	4.7	47,002	20.8	226,250
Kigoma	160,701	71.4	99,305	44.1	54,638	24.3	11,360	5	28,303	12.6	2,223	1	74,535	33.1	2,607	1.2	4,954	2.2	3,080	1.4	7,132	3.2	32,937	14.6	225,171
Shinyanga	442,673	91.2	205,170	42.3	13,977	2.9	2,873	0.6	12,650	2.6	70,832	14.6	64,057	13.2	18,566	3.8	6,451	1.3	24,866	5.1	19,793	4.1	45,023	9.3	485,212
Kagera	171,010	42.1	195,632	48.2	69,052	17	124,764	30.7	174,057	42.9	14,865	3.7	73,441	18.1	13,114	3.2	27,767	6.8	7,223	1.8	17,414	4.3	49,110	12.1	405,910
Mwanza	293,400	73.5	212,383	53.2	24,366	6.1	13,590	3.4	66,937	16.8	21,993	5.5	71,331	17.9	8,215	2.1	8,924	2.2	15,687	3.9	12,819	3.2	31,349	7.9	398,993
Mara	191,726	84.6	56,691	25	17,674	7.8	2,031	0.9	12,498	5.5	11,222	4.9	60,500	26.7	6,708	3	4,462	2	6,761	3	11,225	5	26,931	11.9	226,731
Manyara	88,806	44.7	114,332	57.6	7,261	3.7	2,317	1.2	23,629	11.9	36,803	18.5	16,260	8.2	8,241	4.2	4,536	2.3	7,854	4	4,620	2.3	8,345	4.2	198,513
Mainland	**3,995,327**	**70**	**2,071,059**	**36.3**	**794,088**	**13.9**	**483,718**	**8.5**	**694,337**	**12.2**	**292,830**	**5.1**	**1,066,666**	**18.7**	**184,328**	**3.2**	**186,480**	**3.3**	**161,505**	**2.8**	**180,463**	**3.2**	**581,993**	**10.2**	**5,706,329**
North Unguja	21,460	70.7	5,425	17.9	17,134	56.4	6,106	20.1	5,197	17.1	88	0.3	1,435	4.7	25	0.1	177	0.6	82	0.3	25	0.1	291	1	30,354
South Unguja	9,066	44.8	3,116	15.4	7,834	38.7	7,217	35.6	6,830	33.7	154	0.8	1,105	5.5	170	0.8	177	0.9	0	0	95	0.5	708	3.5	20,259
Urban West	6,782	36.4	1,319	7.1	7,504	40.2	5,087	27.3	4,051	21.7	157	0.8	1,319	7.1	0	0	31	0.2	157	0.8	188	1	502	2.7	18,651
North Pemba	26,242	79.8	2,733	8.3	22,690	69	7,124	21.7	6,202	18.9	154	0.5	1,824	5.5	205	0.6	223	0.7	26	0.1	223	0.7	1,261	3.8	32,895
South Pemba	24,173	80.5	1,418	4.7	20,838	69.4	8,690	28.9	1,249	4.2	58	0.2	935	3.1	27	0.1	62	0.2	81	0.3	80	0.3	530	1.8	30,034
Zanzibar	**87,723**	**66.4**	**14,011**	**10.6**	**76,001**	**57.5**	**34,224**	**25.9**	**23,529**	**17.8**	**611**	**0.5**	**6,618**	**5**	**428**	**0.3**	**670**	**0.5**	**346**	**0.3**	**612**	**0.5**	**3,292**	**2.5**	**132,193**
National Total	**4,083,050**	**69.9**	**2,085,069**	**35.7**	**870,089**	**14.9**	**517,942**	**8.9**	**717,866**	**12.3**	**293,441**	**5**	**1,073,284**	**18.4**	**184,756**	**3.2**	**187,150**	**3.2**	**161,851**	**2.8**	**181,075**	**3.1**	**585,285**	**10**	**5,838,523**

4.7 LAND USE: Area of Land (ha) by land use and Region for the 2007/08 agriculture year

Regions	Land use area												
	Area under Temporary Mono Crops	Area under Temporary Mixed Crops	Area under Permanent Mono Crops	Area under Permanent Mixed Crops	Area under Permanent / Annual Mix	Area under Pasture	Area under Fallow	Area under Natural Bush	Area under Planted Trees	Area Rented to Others	Area Unusable	Area of Uncultivated Usable Land	Total area (ha)
Dodoma	596,791	180,884	4,092	1,259	3,449	10,742	73,233	9,264	141	19,102	9,283	39,105	947,344
Arusha	71,604	115,400	5,147	7,959	3,001	46,701	17,802	725	959	1,712	3,999	8,211	283,220
Kilimanjaro	69,157	62,497	14,300	37,403	24,860	5,464	15,687	1,466	1,206	2,182	1,207	3,921	239,350
Tanga	264,887	82,540	43,526	30,045	39,643	11,631	66,870	12,587	2,272	8,053	7,647	127,923	697,623
Morogoro	370,762	57,793	30,394	10,043	22,715	39,489	61,141	5,039	2,581	13,434	9,941	42,079	665,412
Pwani	82,901	33,410	53,425	63,218	37,580	8,897	28,941	1,853	650	1,627	1,700	44,875	359,077
Dar es Salaam	12,667	3,977	3,766	7,524	6,959	2,024	4,726	244	204	248	1,038	1,913	45,291
Lindi	75,227	66,728	71,408	14,773	71,875	480	31,259	4,611	31	1,522	780	13,584	352,278
Mtwara	92,225	84,282	94,074	13,811	104,451	107	62,464	6,723	618	1,960	597	33,630	494,943
Ruvuma	238,811	64,836	86,718	16,678	58,819	12,309	146,436	83,841	7,701	8,182	10,536	48,847	783,713
Iringa	276,382	143,085	9,430	1,882	10,077	20,501	123,097	21,959	71,631	18,414	24,899	48,857	770,214
Mbeya	454,074	100,445	59,173	30,397	14,034	7,345	92,454	18,155	11,732	20,537	10,676	54,009	873,030
Singida	336,891	127,821	2,281	566	7,659	57,827	49,788	18,869	1,192	10,327	2,521	26,777	642,520
Tabora	512,607	192,069	8,235	1,181	15,931	90,832	216,541	101,315	5,246	14,671	10,926	93,014	1,262,568
Rukwa	411,078	35,291	8,502	634	8,943	20,162	139,616	45,692	3,898	10,945	11,006	117,620	813,386
Kigoma	138,073	71,375	29,930	6,423	18,816	1,637	83,838	5,641	2,981	2,503	5,469	42,362	409,049
Shinyanga	1,108,335	353,922	16,716	2,584	26,068	350,225	122,381	52,634	7,576	57,542	22,079	138,517	2,258,580
Kagera	105,636	125,909	29,672	68,954	135,433	50,661	57,882	14,860	13,015	5,986	8,249	39,698	655,956
Mwanza	410,253	253,078	18,944	7,901	77,583	44,805	78,887	25,076	6,594	21,235	10,767	53,585	1,008,709
Mara	266,108	59,415	11,452	1,579	14,693	24,835	79,050	7,041	3,252	7,310	6,819	32,816	514,370
Manyara	188,587	202,029	5,396	2,178	32,223	69,344	45,487	12,053	2,140	17,001	7,689	23,961	608,088
Mainland	**6,083,056**	**2,416,786**	**606,583**	**326,992**	**734,812**	**876,018**	**1,597,580**	**449,650**	**145,619**	**244,492**	**167,828**	**1,035,304**	**14,684,721**
%	**41**	**16**	**4**	**2**	**5**	**6**	**11**	**3**	**1**	**2**	**1**	**7**	**100**
North Unguja	10,513	2,643	7,325	3,234	2,812	82	1,048	2	136	37	3	106	27,940
South Unguja	4,472	1,518	4,086	5,530	4,002	27	534	213	327	.	44	243	20,996
Urban West	2,524	544	2,822	2,928	2,598	44	472	.	32	137	73	106	12,280
North Pemba	10,187	1,291	11,984	4,934	3,786	29	827	202	68	10	104	545	33,967
South Pemba	10,609	651	12,250	5,068	971	36	523	11	19	62	33	233	30,465
Zanzibar	**38,305**	**6,647**	**38,468**	**21,693**	**14,169**	**218**	**3,403**	**428**	**581**	**246**	**256**	**1,234**	**125,647**
%	**30**	**5**	**31**	**17**	**11**	**0**	**3**	**0**	**0**	**0**	**0**	**1**	**100**
National Total	**6,121,360**	**2,423,433**	**645,051**	**348,685**	**748,981**	**876,236**	**1,600,984**	**450,078**	**146,199**	**244,738**	**168,084**	**1,036,538**	**14,810,368**
%	**41**	**16**	**4**	**2**	**5**	**6**	**11**	**3**	**1**	**2**	**1**	**7**	**100**

CROP OWNERSHIP

5.1 Number of Household members owning most of the crop by Sex of the Main Owner and Crop for the agriculture year 2007/08 Short and Long Season - MAINLAND

	SHORT RAINY						LONG RAINY					
	Male		Female		Total		Male		Female		Total	
Crop	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %
Maize	1,176,727	73	432,207	27	1,608,934	100	2,666,176	77	813,207	23	3,479,383	100
Paddy	189,240	80	47,761	20	237,002	100	672,046	79	181,370	21	853,416	100
Sorghum	112,535	78	31,943	22	144,478	100	497,941	75	164,386	25	662,327	100
Bulrush Millet	2,525	69	1,134	31	3,660	100	131,769	72	51,956	28	183,725	100
Finger Millet	16,104	65	8,788	35	24,892	100	97,949	75	33,314	25	131,263	100
Wheat	2,472	75	803	25	3,275	100	43,045	61	27,803	39	70,847	100
Barley	89	47	102	53	191	100	267	75	89	25	356	100
CEREALS	**1,499,693**	**74**	**522,738**	**26**	**2,022,431**	**100**	**4,109,193**	**76**	**1,272,124**	**24**	**5,381,317**	**100**
Cassava	8,114	8,114	8,114	8,114	8,114	8,114	8,114	8,114	8,114	8,114	8,114	8,114
Sweet Potato	133,599	49	141,404	51	275,003	100	221,171	47	245,918	53	467,089	100
Irish potatoes	26,256	71	10,809	29	37,065	100	50,609	69	22,995	31	73,604	100
Yams	6,863	41	9,738	59	16,601	100	5,550	48	5,980	52	11,531	100
Coco Yam	25,179	42	34,140	58	59,319	100	14,987	52	13,647	48	28,634	100
ROOTS & TUBERS	**200,011**	**50**	**198,848**	**50**	**398,859**	**100**	**303,442**	**51**	**292,013**	**49**	**595,454**	**100**
Mung Bean	4,555	64	2,591	36	7,146	100	8,500	76	2,730	24	11,230	100
Beans	489,106	61	314,591	39	803,698	100	819,915	67	402,306	33	1,222,221	100
Cowpeas	63,306	60	41,729	40	105,034	100	126,511	59	88,449	41	214,960	100
Green gram	20,156	51	19,507	49	39,664	100	41,030	56	32,388	44	73,418	100
Chick peas	980	64	550	36	1,530	100	39,382	87	5,937	13	45,319	100
Bambaranuts	6,638	42	9,273	58	15,911	100	82,584	59	57,458	41	140,042	100
Field Peas	4,017	43	5,251	57	9,268	100	24,395	53	21,633	47	46,028	100
PULSES	**588,758**	**60**	**393,493**	**40**	**982,251**	**100**	**1,142,317**	**65**	**610,901**	**35**	**1,753,218**	**100**
Sunflower	10,749	68	5,078	32	15,827	100	384,250	80	98,251	20	482,501	100
Simsim	12,344	78	3,477	22	15,821	100	172,838	80	43,701	20	216,539	100
Groundnut	100,171	59	68,534	41	168,705	100	572,137	66	296,308	34	868,444	100
Soya Beans	1,372	87	204	13	1,576	100	13,272	84	2,561	16	15,833	100
Castor Fung	371	100	-	-	371	100	365	59	249	41	614	100
OIL SEEDS & OIL NUTS	**125,006**	**62**	**77,294**	**38**	**202,300**	**100**	**1,142,861**	**72**	**441,070**	**28**	**1,583,931**	**100**

Cont. Table 5.1 Number of Household members owning most of the crop by Sex of the Main Owner and Crop for the agriculture year 2007/08 Short and Long Season - MAINLAND

	SHORT RAINY						LONG RAINY					
	Male		Female		Total		Male		Female		Total	
Crop	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %
Okra	8,468	72	3,316	28	11,783	100	10,212	70	4,440	30	14,652	100
Radish	799	81	187	19	985	100	1,101	65	597	35	1,698	100
Turmeric	162	100	-	-	162	100	1,189	84	226	16	1,415	100
Bitteer Aubergine	6,777	71	2,820	29	9,597	100	8,765	59	6,107	41	14,871	100
Kothmir	-	-	-	-	-	-	-	-	-	-	-	-
Onion	7,664	77	2,308	23	9,973	100	23,140	92	2,132	8	25,273	100
Ginger	2,761	87	412	13	3,174	100	1,543	82	341	18	1,884	100
Zukkin	-	-	-	-	-	-	-	-	-	-	-	-
Star Fruit	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage	12,977	80	3,221	20	16,199	100	17,596	72	6,714	28	24,310	100
Tomatoes	38,377	82	8,155	18	46,532	100	66,229	81	15,610	19	81,838	100
Spinach	5,068	73	1,868	27	6,935	100	13,735	66	7,009	34	20,743	100
Carrot	1,739	81	418	19	2,157	100	2,209	85	402	15	2,611	100
Chillies	6,696	67	3,339	33	10,035	100	6,460	71	2,578	29	9,038	100
Amaranths	8,444	53	7,451	47	15,895	100	8,999	53	7,950	47	16,949	100
Pumpkins	3,186	43	4,229	57	7,415	100	4,779	50	4,772	50	9,550	100
Cucumber	3,159	74	1,086	26	4,245	100	3,036	76	943	24	3,979	100
Egg Plant	1,099	67	534	33	1,633	100	1,542	72	586	28	2,128	100
Water Mellon	3,655	91	365	9	4,020	100	2,954	95	169	5	3,123	100
Malay	-	-	-	-	-	-	71	100	-	-	71	100
FRUITS & VEGETABLES	**111,031**	**74**	**39,708**	**26**	**150,740**	**100**	**173,559**	**74**	**60,575**	**26**	**234,135**	**100**
Cotton	107,220	86	17,404	14	124,625	100	241,749	86	37,757	14	279,506	100
Tobacco	6,255	91	639	9	6,894	100	61,511	91	6,386	9	67,897	100
Pyrethrum	955	75	318	25	1,273	100	5,253	70	2,295	30	7,548	100
Jute	-	-	37	100	37	100	45	100	-	-	45	100
Seaweeds	121	23	395	77	517	100	29	6	466	94	495	100
CASH CROPS	**114,551**	**86**	**18,794**	**14**	**133,346**		**308,588**	**87**	**46,904**	**13**	**355,492**	**100**
Total	**2,639,051**	**68**	**1,250,875**	**32**	**3,889,926**	**100**	**7,179,960**	**72**	**2,723,587**	**28**	**9,903,547**	**100**

5.2 Number of Household members owning most of the crop by Sex of the Main Owner and Crop for the agriculture year 2007/08 Short and Long Season - ZANZIBAR

Crop	SHORT RAINY						LONG RAINY					
	Male		Female		Total		Male		Female		Total	
	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %
Maize	4,287	66	2,251	34	6,537	100	7,857	63	4,554	37	12,410	100
Paddy	5,309	60	3,467	40	8,776	100	37,139	59	25,719	41	62,857	100
Sorghum	1,256	64	696	36	1,951	100	3,361	50	3,413	50	6,775	100
Bulrush Millet	2,187	59	1,517	41	3,704	100	207	22	730	78	937	100
Finger Millet	-	-	-	-	-	-	-	-	29	100	29	100
Wheat	-	-	-	-	-	-	26	45	32	55	57	100
Barley	-	-	-	-	-	-	-	-	-	-	-	-
CEREALS	**13,038**	**62**	**7,930**	**38**	**20,968**	**100**	**48,589**	**58**	**34,476**	**42**	**83,065**	**100**
Cassava	150	86	25	14	176	100	397	74	136	26	534	100
Sweet Potato	8,290	68	3,951	32	12,241	100	11,981	71	4,943	29	16,924	100
Irish potatoes	114	100	-	-	114	100	152	83	30	17	183	100
Yams	6,918	76	2,232	24	9,150	100	2,763	78	770	22	3,533	100
Coco Yam	2,082	89	269	11	2,351	100	2,191	81	530	19	2,721	100
ROOTS & TUBERS	**17,554**	**73**	**6,478**	**27**	**24,032**	**100**	**17,485**	**73**	**6,409**	**27**	**23,894**	**100**
Mung Bean	-	-	-	-	-	-	-	-	-	-	-	-
Beans	42	42	57	58	99	100	219	78	63	22	282	100
Cowpeas	2,409	56	1,873	44	4,283	100	1,181	45	1,465	55	2,646	100
Green gram	978	60	655	40	1,633	100	441	25	1,321	75	1,761	100
Chick peas	-	-	-	-	-	-	-	-	-	-	-	-
Bambaranuts	58	51	57	49	115	100	-	-	-	-	-	-
Field Peas	-	-	-	-	-	-	-	-	-	-	-	-
PULSES	**3,487**	**57**	**2,642**	**43**	**6,130**	**100**	**1,841**	**39**	**2,848**	**61**	**4,689**	**100**
Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
Simsim	-	-	-	-	-	-	-	-	-	-	-	-
Groundnut	748	63	446	37	1,194	100	1,128	69	512	31	1,640	100
Soya Beans	-	-	-	-	-	-	-	-	-	-	-	-
Castor bean	-	-	-	-	-	-	-	-	-	-	-	-
OIL SEEDS & OIL NUTS	**748**	**63**	**446**	**37**	**1,194**	**100**	**1,128**	**69**	**512**	**31**	**1,640**	**100**
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Cont. Table 5.2 Number of Household members owning most of the crop by Sex of the Main Owner and Crop for the agriculture year 2007/08 Short and Long Season - ZANZIBAR

Crop	SHORT RAINY						LONG RAINY					
	Male		Female		Total		Male		Female		Total	
	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %
Okra	772	69	352	31	1,125	100	1,040	72	404	28	1,444	100
Radish	61	66	32	34	92	100	156	83	32	17	188	100
Turmeric	246	66	126	34	372	100	287	70	126	30	413	100
Bitteer Aubergine	346	75	114	25	460	100	289	70	123	30	411	100
Kothmir	-	-	31	100	31	100	-	-	-	-	-	-
Onion	63	100	-	-	63	100	-	-	-	-	-	-
Ginger	-	-	-	-	-	-	-	-	-	-	-	-
Zukkin	25	100	-	-	25	100	30	100	-	-	30	100
Star Fruit	-	-	16	100	16	100	-	-	-	-	-	-
Cabbage	92	100	-	-	92	100	16	100	-	-	16	100
Tomatoes	2,637	77	803	23	3,440	100	2,752	71	1,125	29	3,877	100
Spinach	56	100	-	-	56	100	29	100	-	-	29	100
Carrot	31	55	25	45	57	100	-	-	-	-	-	-
Chillies	355	67	177	33	531	100	363	80	92	20	455	100
Amaranths	1,233	72	480	28	1,713	100	705	87	109	13	814	100
Pumpkins	1,156	73	434	27	1,590	100	970	64	535	36	1,505	100
Cucumber	916	84	169	16	1,085	100	335	70	144	30	479	100
Egg Plant	1,906	80	463	20	2,368	100	1,806	79	495	21	2,301	100
Water Melon	119	82	25	18	144	100	92	78	25	22	117	100
Malay	-	-	-	-	-	-	-	-	-	-	-	-
FRUITS & VEGETABLES	**10,014**	**76**	**3,247**	**24**	**13,262**	**100**	**8,870**	**73**	**3,210**	**27**	**12,081**	**100**
Cotton	-	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-	-
Pyrethrum	-	-	-	-	-	-	-	-	-	-	-	-
Jute	-	-	-	-	-	-	-	-	-	-	-	-
Seaweed	155	20	607	80	762	100	377	29	931	71	1,308	100
CASH CROPS	**155**	**20**	**607**	**80**	**762**	**100**	**377**	**29**	**931**	**71**	**1,308**	**100**
Total	**44,996**	**68**	**21,351**	**32**	**66,347**	**100**	**78,289**	**62**	**48,388**	**38**	**126,677**	**100**

5.3 Number of Household members owning most of the crop by Sex of the Main Owner and Crop for the agriculture year 2007/08 Short and Long Season - NATIONAL

	SHORT RAINY						LONG RAINY					
	Male		Female		Total		Male		Female		Total	
Crop	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %
Maize	1,181,013	73	434,458	27	1,615,471	100	2,674,032	77	817,761	23	3,491,793	100
Paddy	194,549	79	51,228	21	245,777	100	709,185	77	207,088	23	916,273	100
Sorghum	113,791	78	32,639	22	146,429	100	501,302	75	167,799	25	669,102	100
Bulrush Millet	4,712	64	2,652	36	7,364	100	131,975	71	52,686	29	184,661	100
Finger Millet	16,104	65	8,788	35	24,892	100	97,949	75	33,343	25	131,292	100
Wheat	2,472	75	803	25	3,275	100	43,070	61	27,834	39	70,905	100
Barley	89	47	102	53	191	100	267	75	89	25	356	100
CEREALS	**1,512,731**	**74**	**530,669**	**26**	**2,043,399**	**100**	**4,157,781**	**76**	**1,306,601**	**24**	**5,464,382**	**100**
Cassava	8,265	75	2,782	25	11,047	100	11,522	76	3,608	24	15,131	100
Sweet Potato	141,889	49	145,355	51	287,244	100	233,152	48	250,861	52	484,013	100
Irish potatoes	26,370	71	10,809	29	37,179	100	50,761	69	23,025	31	73,786	100
Yams	13,781	54	11,971	46	25,751	100	8,313	55	6,750	45	15,063	100
Coco Yam	27,261	44	34,409	56	61,670	100	17,178	55	14,177	45	31,355	100
ROOTS & TUBERS	**217,565**	**51**	**205,326**	**49**	**422,891**	**100**	**320,927**	**52**	**298,421**	**48**	**619,348**	**100**
Mung Bean	4,555	64	2,591	36	7,146	100	8,500	76	2,730	24	11,230	100
Beans	489,148	61	314,648	39	803,797	100	820,134	67	402,369	33	1,222,504	100
Cowpeas	65,715	60	43,602	40	109,317	100	127,692	59	89,914	41	217,606	100
Green gram	21,134	51	20,163	49	41,297	100	41,470	55	33,709	45	75,180	100
Chick peas	980	64	550	36	1,530	100	39,382	87	5,937	13	45,319	100
Bambaranuts	6,696	42	9,330	58	16,026	100	82,584	59	57,458	41	140,042	100
Field Peas	4,017	43	5,251	57	9,268	100	24,395	53	21,633	47	46,028	100
PULSES	**592,246**	**60**	**396,135**	**40**	**988,381**	**100**	**1,144,158**	**65**	**613,750**	**35**	**1,757,908**	**100**
Sunflower	10,749	68	5,078	32	15,827	100	384,250	80	98,251	20	482,501	100
Simsim	12,344	78	3,477	22	15,821	100	172,838	80	43,701	20	216,539	100
Groundnut	100,918	59	68,980	41	169,898	100	573,264	66	296,820	34	870,084	100
Soya Beans	1,372	87	204	13	1,576	100	13,272	84	2,561	16	15,833	100
Castor Fung	371	100	-	-	371	100	365	59	249	41	614	100
OIL SEEDS & OIL NUTS	**125,754**	**62**	**77,740**	**38**	**203,493**	**100**	**1,143,989**	**72**	**441,582**	**28**	**1,585,571**	**100**

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Cont. Table 5.3 Number of Household members owning most of the crop by Sex of the Main Owner and Crop for the agriculture year 2007/08 Short and Long Season - NATIONAL

	SHORT RAINY						LONG RAINY					
	Male		Female		Total		Male		Female		Total	
Crop	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %	Number	Row N %
Okra	9,240	72	3,668	28	12,908	100	11,252	70	4,844	30	16,096	100
Radish	859	80	218	20	1,078	100	1,257	67	628	33	1,886	100
Turmeric	408	76	126	24	534	100	1,476	81	352	19	1,828	100
Bitteer	7,123	71	2,933	29	10,056	100	9,053	59	6,229	41	15,283	100
Aubergine Kothmir	-	-	31	100	31	100	-	-	-	-	-	-
Onion	7,727	77	2,308	23	10,035	100	23,140	92	2,132	8	25,273	100
Ginger	2,761	87	412	13	3,174	100	1,543	82	341	18	1,884	100
Zukkin	25	100	-	-	25	100	30	100	-	-	30	100
Star Fruit	-	-	16	100	16	100	-	-	-	-	-	-
Cabbage	13,070	80	3,221	20	16,291	100	17,612	72	6,714	28	24,326	100
Tomatoes	41,015	82	8,958	18	49,972	100	68,980	80	16,735	20	85,715	100
Spinach	5,124	73	1,868	27	6,991	100	13,764	66	7,009	34	20,773	100
Carrot	1,771	80	443	20	2,214	100	2,209	85	402	15	2,611	100
Chillies	7,051	67	3,515	33	10,566	100	6,823	72	2,671	28	9,494	100
Amaranths	9,677	55	7,931	45	17,608	100	9,704	55	8,060	45	17,763	100
Pumpkins	4,341	48	4,663	52	9,005	100	5,749	52	5,307	48	11,056	100
Cucumber	4,075	76	1,255	24	5,330	100	3,371	76	1,087	24	4,459	100
Egg Plant	3,005	75	997	25	4,002	100	3,348	76	1,081	24	4,429	100
Water Mellon	3,774	91	390	9	4,164	100	3,045	94	194	6	3,240	100
Malay	-	-	-	-	-	-	71	100	-	-	71	100
FRUITS & VEGETABLES	**121,046**	**74**	**42,956**	**26**	**164,001**	**100**	**182,429**	**74**	**63,786**	**26**	**246,215**	**100**
Cotton	107,220	86	17,404	14	124,625	100	241,749	86	37,757	14	279,506	100
Tobacco	6,255	91	639	9	6,894	100	61,511	91	6,386	9	67,897	100
Pyrethrum	955	75	318	25	1,273	100	5,253	70	2,295	30	7,548	100
Jute	-	-	37	100	37	100	45	100	-	-	45	100
Seaweed	276	22	1,002	78	1,278	100	406	23	1,397	77	1,803	100
CASH CROPS	**114,707**	**86**	**19,401**	**14**	**134,107**	**100**	**308,965**	**87**	**47,835**	**13**	**356,800**	**100**
Total	**2,684,047**	**68**	**1,272,226**	**32**	**3,956,273**	**100**	**7,258,249**	**72**	**2,771,975**	**28**	**10,030,224**	**100**

5.4 Number of Household members owning most of the crop by Sex of the Main Owner, Season and Region for the agriculture year 2007/08

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Region	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	222	61	142	39	364	100	261,640	68	122,523	32	384,162	100
Arusha	31,559	70	13,334	30	44,893	100	111,186	72	43,298	28	154,483	100
Kilimanjaro	95,671	62	57,493	38	153,164	100	110,462	66	56,637	34	167,099	100
Tanga	153,130	73	57,097	27	210,228	100	174,291	72	68,169	28	242,460	100
Morogoro	145,811	75	47,360	25	193,171	100	149,229	75	50,727	25	199,956	100
Pwani	64,678	72	25,330	28	90,008	100	65,974	70	27,927	30	93,901	100
Dar es Salaam	9,705	69	4,426	31	14,131	100	15,821	69	7,024	31	22,845	100
Lindi	1,710	72	656	28	2,366	100	113,039	67	54,915	33	167,954	100
Mtwara	582	79	153	21	735	100	150,060	67	73,701	33	223,762	100
Ruvuma	432	84	81	16	513	100	165,660	73	60,092	27	225,752	100
Iringa	1,010	73	378	27	1,388	100	202,300	63	118,218	37	320,518	100
Mbeya	61,538	60	40,940	40	102,477	100	302,928	63	174,808	37	477,736	100
Singida	-	-	-	-	-	-	178,208	78	49,245	22	227,454	100
Tabora	393	100	-	-	393	100	244,236	76	76,448	24	320,684	100
Rukwa	1,845	64	1,028	36	2,874	100	183,993	81	44,119	19	228,112	100
Kigoma	143,921	76	45,549	24	189,470	100	61,456	79	16,518	21	77,974	100
Shinyanga	6,849	65	3,634	35	10,483	100	408,546	67	202,148	33	610,694	100
Kagera	231,143	54	200,670	46	431,813	100	113,634	55	93,942	45	207,576	100
Mwanza	284,069	69	124,698	31	408,767	100	120,288	70	50,424	30	170,712	100
Mara	133,559	74	47,868	26	181,428	100	108,411	73	39,203	27	147,614	100
Manyara	12,924	87	1,977	13	14,901	100	159,071	82	35,779	18	194,850	100
MAINLAND	**1,380,754**	**67**	**672,814**	**33**	**2,053,567**	**100**	**3,400,432**	**70**	**1,465,866**	**30**	**4,866,298**	**100**
North Unguja	9,771	68	4,626	32	14,398	100	13,050	63	7,778	37	20,828	100
South Unguja	8,157	67	4,064	33	12,221	100	5,279	67	2,654	33	7,932	100
Urban West	4,019	67	1,947	33	5,966	100	5,495	68	2,543	32	8,038	100
North Pemba	4,084	59	2,890	41	6,974	100	16,070	55	13,088	45	29,158	100
South Pemba	1,972	66	999	34	2,971	100	15,461	61	9,827	39	25,288	100
ZANZIBAR	**28,003**	**66**	**14,526**	**34**	**42,529**	**100**	**55,355**	**61**	**35,890**	**39**	**91,245**	**100**
NATIONAL	**1,408,757**	**67**	**687,340**	**33**	**2,096,096**	**100**	**3,455,787**	**70**	**1,501,757**	**30**	**4,957,544**	**100**

5.5 Planted Area by Region, season and Sex of Household members owning most of the crop for the agriculture year 2007/08

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Region	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Dodoma	180	61	634	39	814	100	592,165	68	154,931	32	747,096	100
Arusha	26,299	70	7,698	30	33,997	100	131,242	72	35,740	28	166,983	100
Kilimanjaro	55,371	62	23,467	38	78,839	100	75,841	66	25,507	34	101,347	100
Tanga	137,736	73	40,818	27	178,554	100	202,524	72	55,681	28	258,205	100
Morogoro	195,890	75	40,957	25	236,848	100	195,754	75	42,733	25	238,487	100
Pwani	45,997	72	13,674	28	59,671	100	65,125	70	17,783	30	82,908	100
Dar es Salaam	5,030	69	1,262	31	6,292	100	10,390	69	2,892	31	13,282	100
Lindi	790	72	504	28	1,294	100	123,163	67	43,500	33	166,663	100
Mtwara	604	79	62	21	666	100	135,647	67	49,149	33	184,795	100
Ruvuma	476	84	25	16	501	100	244,995	73	55,977	27	300,972	100
Iringa	877	73	238	27	1,116	100	298,344	63	120,407	37	418,750	100
Mbeya	35,047	60	17,526	40	52,573	100	393,896	63	121,914	37	515,810	100
Singida	.	-	.	-	.	-	412,188	78	52,397	22	464,584	100
Tabora	601	100	.	-	601	100	602,789	76	85,535	24	688,324	100
Rukwa	1,944	64	1,106	36	3,050	100	382,665	81	43,693	19	426,358	100
Kigoma	124,331	76	26,200	24	150,530	100	36,430	79	6,932	21	43,362	100
Shinyanga	15,784	65	3,080	35	18,864	100	1,206,483	67	218,902	33	1,425,384	100
Kagera	152,367	54	92,826	46	245,193	100	54,654	55	29,141	45	83,795	100
Mwanza	416,393	69	95,965	31	512,358	100	122,455	70	31,057	30	153,512	100
Mara	138,566	74	31,651	26	170,217	100	104,282	73	22,975	27	127,258	100
Manyara	9,884	87	1,290	13	11,175	100	334,784	82	50,501	18	385,285	100
MAINLAND	**1,364,168**	**67**	**398,983**	**33**	**1,763,152**	**100**	**5,725,816**	**70**	**1,267,347**	**30**	**6,993,162**	**100**
North Unguja	4,142	68	1,581	32	5,724	100	6,283	63	3,038	37	9,321	100
South Unguja	3,009	67	1,319	33	4,328	100	2,672	67	829	33	3,500	100
Urban West	1,209	67	525	33	1,734	100	1,901	68	923	32	2,825	100
North Pemba	1,269	59	790	41	2,060	100	6,718	55	4,632	45	11,350	100
South Pemba	677	66	283	34	960	100	6,918	61	3,740	39	10,658	100
ZANZIBAR	**10,307**	**66**	**4,498**	**34**	**14,805**	**100**	**24,491**	**61**	**13,161**	**39**	**37,653**	**100**
Total	**1,374,475**	**67**	**403,481**	**33**	**1,777,956**	**100**	**5,750,307**	**70**	**1,280,508**	**30**	**7,030,815**	**100**

CROP PRODUCTION BY REGION

5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Maize				Paddy				Sorghum				Bulrush Millet (REPEATED ON NEXT TABLE)			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0.0	0	0	0	0.0	142	115	58	0.5	0	0	0	0.0
Arusha	34,059	17,689	29,656	1.7	673	308	572	1.9	0	0	0	0.0	0	0	0	0.0
Kilimanjaro	117,547	44,532	51,920	1.2	7,622	4,183	7,175	1.7	140	46	9	0.2	0	0	0	0.0
Tanga	192,686	128,181	161,850	1.3	1,563	660	2,498	3.8	232	56	46	0.8	0	0	0	0.0
Morogoro	149,020	120,206	121,209	1.0	77,066	87,716	160,938	1.8	7,869	4,004	2,668	0.7	208	253	31	0.0
Pwani	65,631	35,579	30,980	0.9	16,623	8,968	13,957	1.6	2,388	774	554	0.7	0	0	0	0.0
Dar es Salaam	5,974	2,200	1,319	0.6	433	81	41	0.5	0	0	0	0.0	0	0	0	0.0
Lindi	523	587	226	0.4	248	201	273	1.4	181	48	32	0.7	0	0	0	0.0
Mtwara	458	314	458	1.5	124	50	43	0.9	0	0	0	0.0	0	0	0	0.0
Ruvuma	432	207	554	2.7	345	176	97	0.6	132	21	9	0.4	0	0	0	0.0
Iringa	921	750	1,238	1.7	139	56	222	4.0	0	0	0	0.0	0	0	0	0.0
Mbeya	90,759	41,790	56,543	1.4	3,265	1,262	561	0.4	0	0	0	0.0	0	0	0	0.0
Singida	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0
Tabora	393	213	205	1.0	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0
Rukwa	1,669	1,237	1,724	1.4	402	507	564	1.1	0	0	0	0.0	0	0	0	0.0
Kigoma	169,628	80,541	98,382	1.2	9,532	5,065	5,916	1.2	19,514	6,704	6,320	0.9	0	0	0	0.0
Shinyanga	7,431	6,018	6,940	1.2	4,887	4,710	6,276	1.3	685	403	211	0.5	44	267	439	1.6
Kagera	321,045	88,082	108,856	1.2	9,997	8,017	18,351	2.3	14,608	4,051	4,927	1.2	408	413	553	1.3
Mwanza	311,850	226,939	208,491	0.9	99,004	75,603	109,158	1.4	21,760	12,142	9,820	0.8	2,903	3,466	2,135	0.6
Mara	127,938	81,917	139,568	1.7	4,908	2,946	3,674	1.2	76,770	40,647	51,642	1.3	97	39	44	
Manyara	10,971	6,150	13,815	2.2	171	266	677	2.5	57	46	160	3.5	0	0	0	0.0
MAINLAND	**1,608,934**	**883,130**	**1,033,934**	1.2	**237,002**	**200,775**	**330,995**	**1.6**	**144,478**	**69,058**	**76,457**	**1.1**	**3,660**	**4,438**	**3,202**	**0.7**
North Unguja	2,764	614	762	1.2	4,319	1,549	1,813	1.2	922	223	152	0.7	316	36	17	0.5
South Unguja	2,079	370	628	1.7	2,389	993	1,358	1.4	213	28	13	0.5	0	0	0	0.0
Urban West	1,068	164	409	2.5	1,319	328	491	1.5	0	0	0	0.0	0	0	0	0.0
North Pemba	128	51	136	2.7	446	165	269	1.6	639	135	84	0.6	2,986	719	648	0.9
South Pemba	499	95	109	1.1	303	90	101	1.1	178	28	21	0.7	402	117	57	0.5
ZANZIBAR	**6,537**	**1,295**	**2,045**	1.6	**8,776**	**3,125**	**4,032**	**1.3**	**1,951**	**414**	**270**	**0.7**	**3,704**	**871**	**721**	**0.8**
NATIONAL	**1,615,471**	**884,425**	**1,035,979**	1.2	**245,777**	**203,900**	**335,027**	**1.6**	**146,429**	**69,472**	**76,727**	**1.1**	**7,364**	**5,309**	**3,923**	**0.7**

5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Bulrush Millet				Finger Millet				Wheat			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0.0	0	0	0	0	0	0	0	0
Arusha	0	0	0	0.0	119	73	71.66	.99	433	597	5.78	.01
Kilimanjaro	0	0	0	0.0	2,131	435	124.69	.29	0	0	0	0
Tanga	0	0	0	0.0	0	0	0	0	232	66	34.84	.53
Morogoro	208	253	31	0.0	0	0	0	0	0	0	0	0
Pwani	0	0	0	0.0	0	0	0	0	0	0	0	0
Dar es Salaam	0	0	0	0.0	37	8	18.63	2.47	0	0	0	0
Lindi	0	0	0	0.0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0.0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0.0	81	8	13.03	1.58	0	0	0	0
Iringa	0	0	0	0.0	0	0	0	0	159	32	15.58	.48
Mbeya	0	0	0	0.0	1,509	344	530.10	1.54	0	0	0	0
Singida	0	0	0	0.0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0.0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0.0	112	362	379.88	1.05	0	0	0	0
Kigoma	0	0	0	0.0	1,944	601	421.41	.70	425	86	65.83	.77
Shinyanga	44	267	439	1.6	0	0	0	0	0	0	0	0
Kagera	408	413	553	1.3	4,910	1,045	489.39	.47	0	0	0	0
Mwanza	2,903	3,466	2,135	0.6	1,043	666	244.17	.37	159	64	63.43	.99
Mara	97	39	44		13,005	5,114	4,465.65	.87	0	0	0	0
Manyara	0	0	0	0.0	0	0	0	0	1,758	314	290.12	.92
MAINLAND	**3,660**	**4,438**	**3,202**	**0.7**	**24,892**	**8,655**	**6,758.62**	**.78**	**3,275**	**1,225**	**521.58**	**.43**
North Unguja	316	36	17	0.5	0	0	0	0	0	0	0	0
South Unguja	0	0	0	0.0	0	0	0	0	0	0	0	0
Urban West	0	0	0	0.0	0	0	0	0	0	0	0	0
North Pemba	2,986	719	648	0.9	0	0	0	0	0	0	0	0
South Pemba	402	117	57	0.5	0	0	0	0	0	0	0	0
ZANZIBAR	**3,704**	**871**	**721**	**0.8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
NATIONAL	**7,364**	**5,309**	**3,923**	**0.7**	**24,892**	**8,655**	**6,758.62**	**.78**	**3,275**	**1,225**	**521.58**	**.43**

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Cont Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Barley				Seaweed				Sweet Potato			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	222	13	3.33	.02
Arusha	89	36	13.37	.37	0	0	0	0	807	318	914.67	1.13
Kilimanjaro	0	0	0	0	0	0	0	0	3,070	409	497.35	.16
Tanga	0	0	0	0	0	0	0	0	4,620	858	1,391.11	.30
Morogoro	0	0	0	0	0	0	.00	.00	3,007	1,169	2,624.63	.87
Pwani	0	0	0	0	407	124	555.89	4.50	1,571	440	873.86	.56
Dar es Salaam	0	0	0	0	0	0	0	0	1,155	298	509.14	.44
Lindi	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	81	16	32.58	.40
Iringa	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	0	0	0	0	0	0	0	0	2,152	489	892.81	.41
Singida	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	0	0	0	0	0	0	0	0
Kigoma	0	0	0	0	0	0	0	0	9,505	1,459	1,918.97	.20
Shinyanga	0	0	0	0	0	0	0	0	2,724	1,879	2,158.42	.79
Kagera	102	17	29.66	1.80	0	0	0	0	80,917	10,506	24,634.56	.30
Mwanza	0	0	0	0	0	0	0	0	120,793	33,333	61,276.87	.51
Mara	0	0	0	0	0	0	0	0	43,489	12,266	26,633.03	.61
Manyara	0	0	0	0	0	0	0	0	888	142	435.69	.49
MAINLAND	**191**	**53**	**43.03**	**.82**	**517**	**237**	**564.31**	**2.38**	**275,003**	**63,595**	**124,797.00**	**.45**
North Unguja	0	0	0	0	158	19	30.56	1.60	5,209	1,393	2,581.59	.50
South Unguja	0	0	0	0	578	142	138.07	.98	3,117	789	1,891.86	.61
Urban West	0	0	0	0	0	0	0	0	2,167	453	896.77	.41
North Pemba	0	0	0	0	0	0	0	0	1,552	411	844.88	.54
South Pemba	0	0	0	0	27	5	16.07	2.96	196	53	53.86	.27
ZANZIBAR	**0**	**0**	**0**	**0**	**762**	**166**	**184.69**	**1.11**	**12,241**	**3,100**	**6,268.96**	**.51**
NATIONAL	**191**	**53**	**43.03**	**.00**	**1,278**	**404**	**749.00**	**1.86**	**287,244**	**66,695**	**131,065.96**	**.46**

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Con. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Irish potatoes				Yams				Coco Yam			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	1,634	834	2,338.44	1.43	0	0	0	0	0	0	0	0
Kilimanjaro	1,952	511	418.63	.21	665	31	34.67	.05	6,076	395	362.77	.92
Tanga	26,900	7,345	10,377.66	.39	84	34	3.69	.04	568	143	74.06	.52
Morogoro	279	71	209.33	.75	18	1	1.65	.09	472	100	108.50	1.08
Pwani	0	0	0	0	175	140	87.34	.50	29	1	.44	.37
Dar es Salaam	0	0	0	0	85	133	106.04	1.25	0	0	0	0
Lindi	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	1,090	356	1,418.22	1.30	0	0	0	0	3,626	390	294.02	.75
Singida	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	0	0	0	0	0	0	0	0
Kigoma	359	39	191.98	.54	270	8	22.59	.08	709	130	125.24	.97
Shinyanga	0	0	0	0	0	0	0	0	0	0	0	0
Kagera	3,295	402	582.62	.18	14,182	1,300	1,951.14	.14	47,745	5,399	4,656.18	.86
Mwanza	0	0	0	0	607	227	544.00	.90	94	38	7.51	.20
Mara	560	113	267.40	.48	516	135	341.07	.66	0	0	0	0
Manyara	997	185	1,119.25	1.12	0	0	0	0	0	0	0	0
MAINLAND	**37,065**	**9,857**	**16,923.54**	**.46**	**16,601**	**2,009**	**3,092.17**	**.19**	**59,319**	**6,596**	**5,628.71**	**.85**
North Unguja	51	6	14.00	.28	3,452	757	1,163.71	.34	761	128	115.12	.90
South Unguja	0	0	0	0	4,705	783	1,539.48	.33	1,042	201	209.12	1.04
Urban West	63	4	10.52	0	911	197	341.88	.38	377	40	47.66	1.19
North Pemba	0	0	0	0	29	6	7.80	.27	29	3	3.36	1.14
South Pemba	0	0	0	0	54	14	30.79	.58	111	21	21.41	1.02
ZANZIBAR	**114**	**11**	**24.52**	**.22**	**9,150**	**1,757**	**3,083.66**	**.34**	**2,320**	**392**	**396.67**	**1.01**
NATIONAL	**37,179**	**9,867**	**16,948.05**	**.46**	**25,751**	**3,766**	**6,175.84**	**.24**	**61,639**	**6,988**	**6,025.38**	**.86**

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Cont. Table5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested

(tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Mung Bean				Beans				Cowpeas			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	220	129	66.87	.52	24,513	10,644	12,591.57	1.18	367	83	26.65	.32
Kilimanjaro	399	62	22.20	.36	84,811	20,682	9,579.76	.46	5,885	955	172.01	.18
Tanga	892	356	306.28	.86	71,492	23,384	20,489.99	.88	21,779	10,415	3,710.06	.36
Morogoro	947	854	681.63	.80	16,240	7,224	4,360.44	.60	6,911	2,170	1,047.62	.48
Pwani	428	153	105.28	.69	1,936	503	317.95	.63	33,223	9,043	2,670.17	.30
Dar es Salaam	80	10	31.67	3.13	0	0	0	0	5,511	869	261.32	.30
Lindi	0	0	0	0	0	0	0	0	29	1	.58	.55
Mtwara	0	0	0	0	0	0	0	0	153	31	12.22	.40
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	0	0	0	0	394	140	105.22	.75	0	0	0	0
Mbeya	367	182	2,464.33	13.56	9,273	3,575	2,745.26	.77	0	0	0	0
Singida	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	1,042	549	599.43	1.09	0	0	0	0
Kigoma	1,089	334	261.92	.78	131,002	40,079	25,643.72	.64	2,172	441	214.36	0
Shinyanga	0	0	0	0	3,831	1,272	746.27	.59	539	123	115.47	.94
Kagera	1,628	291	321.33	1.10	323,009	101,401	79,738.77	.79	1,705	210	131.61	.63
Mwanza	590	85	350.88	4.13	94,065	28,590	16,567.71	.58	25,031	3,473	1,633.77	.47
Mara	506	244	1,058.60	4.34	31,529	8,511	11,432.66	1.34	1,572	483	439.78	.91
Manyara	0	0	0	0	10,559	3,839	2,999.72	.78	158	32	55.92	1.75
MAINLAND	**7,146**	**2,700**	**5,670.97**	**2.10**	**803,698**	**250,392**	**187,918.48**	**.75**	**105,034**	**28,328**	**10,491.54**	**.37**
North Unguja	0	0	0	0	57	17	6.96	.42	860	175	52.87	.30
South Unguja	0	0	0	0	16	2	1.14	.58	254	44	18.52	.42
Urban West	0	0	0	0	0	0	0	0	188	74	43.17	.00
North Pemba	0	0	0	0	26	5	1.54	.30	1,558	378	240.89	.00
South Pemba	0	0	0	0	0	0	0	0	1,422	381	211.14	.00
ZANZIBAR	**0**	**0**	**0**	0	**99**	**24**	**9.63**	**.40**	**4,283**	**1,052**	**566.58**	**.00**
NATIONAL	**7,146**	**2,700**	**5,670.97**	**2.10**	**803,797**	**250,416**	**187,928.11**	**.75**	**109,317**	**29,379**	**11,058.12**	**.00**

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Cont. Table5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Green gram				Chick peas				Bambaranuts			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	725	187	434.74	2.33	398	122	109.95	.90	0	0	0	0
Kilimanjaro	1,972	286	32.40	.11	0	0	0	0	0	0	0	0
Tanga	4,037	1,382	517.94	.37	130	105	.00	.00	0	0	0	0
Morogoro	1,347	343	225.18	.66	0	0	0	0	998	236	101.73	.43
Pwani	2,474	715	234.90	.33	0	0	0	0	0	0	0	0
Dar es Salaam	75	5	.60	.13	0	0	0	0	0	0	0	0
Lindi	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	153	55	122.19	2.22	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	0	0	0	0	0	0	0	0	0	0	0	0
Singida	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	126	25	12.58	.49
Rukwa	0	0	0	0	0	0	0	0	0	0	0	0
Kigoma	187	23	56.02	2.47	0	0	0	0	439	59	58.47	.99
Shinyanga	0	0	0	0	0	0	0	0	0	0	0	0
Kagera	204	21	12.24	.59	0	0	0	0	8,598	1,062	521.83	.49
Mwanza	28,301	6,167	4,877.21	.79	820	338	265.56	.79	5,178	831	498.38	.60
Mara	189	38	13.06	.34	182	96	20.82	.22	415	71	88.47	1.25
Manyara	0	0	0	0	0	0	0	0	158	32	15.32	.48
MAINLAND	**39,664**	**9,221**	**6,526.46**	**.71**	**1,530**	**661**	**396.33**	**.60**	**15,911**	**2,316**	**1,296.77**	**.56**
North Unguja	675	142	163.26	1.15	0	0	0	0	25	10	3.31	.32
South Unguja	664	83	55.25	.67	0	0	0	0	0	0	0	0
Urban West	31	3	.47	.15	0	0	0	0	31	6	6.28	.99
North Pemba	205	48	98.83	2.04	0	0	0	0	58	9	7.88	.89
South Pemba	58	7	20.47	3.00	0	0	0	0	0	0	0	0
ZANZIBAR	**1,633**	**283**	**338.28**	**1.19**	**0**	**0**	**0**	0	**115**	**26**	**17.47**	**.68**
NATIONAL	**41,297**	**9,504**	**6,864.74**	**.72**	**1,530**	**661**	**396.33**	**.60**	**16,026**	**2,341**	**1,314.25**	**.56**

Cont..

Region	Field Peas			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0
Arusha	0	0	0	0
Kilimanjaro	1,104	56	31.39	.56
Tanga	232	56	84.55	1.50
Morogoro	1,116	212	213.80	1.01
Pwani	0	0	0	0
Dar es Salaam	0	0	0	0
Lindi	0	0	0	0
Mtwara	0	0	0	0
Ruvuma	0	0	0	0
Iringa	159	16	11.93	.74
Mbeya	318	81	28.64	.36
Singida	0	0	0	0
Tabora	0	0	0	0
Rukwa	0	0	0	0
Kigoma	204	49	8.47	.17
Shinyanga	0	0	0	0
Kagera	5,908	859	458.54	.53
Mwanza	0	0	0	0
Mara	226	98	111.21	1.14
Manyara	0	0	0	0
MAINLAND	**9,268**	**1,428**	**948.53**	**.66**
North Unguja	0	0	0	0
South Unguja	0	0	0	0
Urban West	0	0	0	0
North Pemba	0	0	0	0
South Pemba	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	0
NATIONAL	**9,268**	**1,428**	**948.53**	**.66**

Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Sunflower				Simsim				Groundnut				Soya Beans			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	142	173	51.96	.30	0	0	0	0	142	346	207.57	.60	0	0	0	0
Arusha	72	26	26.79	1.02	0	0	0	0	0	0	0	0	478	97	97.94	1.01
Kilimanjaro	11,026	2,570	574.15	.22	108	7	.22	.03	3,667	663	72.33	.11	0	0	0	0
Tanga	336	189	29.36	.16	1,545	908	374.54	.41	4,287	1,002	978.09	.98	0	0	0	0
Morogoro	2,523	2,855	1,474.89	.52	10,228	4,932	1,817.02	.37	3,733	1,859	815.24	.44	0	0	0	0
Pwani	58	12	.58	.05	2,037	748	267.18	.36	419	135	47.80	.36	0	0	0	0
Dar es Salaam	68	8	6.82	.82	42	2	1.19	.53	937	282	76.88	.27	0	0	0	0
Lindi	0	0	0	0	105	34	14.66	.43	76	15	3.42	.22	0	0	0	0
Mtwara	0	0	0	0	153	93	61.09	.66	153	62	30.55	.49	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0	87	71	.00	.00
Iringa	66	40	12.66	.32	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	0	0	0	0	0	0	0	0	12,480	3,128	1,347.93	.43	0	0	0	0
Singida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	126	51	30.18	.59	0	0	0	0
Rukwa	225	91	67.53	.74	0	0	0	0	176	54	70.56	1.32	0	0	0	0
Kigoma	373	125	203.15	1.63	0	0	0	0	33,162	10,744	7,852.23	.73	0	0	0	0
Shinyanga	433	351	359.41	1.02	0	0	0	0	2,093	623	301.96	.48	0	0	0	0
Kagera	78	16	26.98	1.70	102	4	2.55	.62	56,455	10,253	8,005.14	.78	425	52	17.74	.34
Mwanza	0	0	0	0	1,246	219	71.61	.33	47,835	15,955	8,692.26	.54	361	145	324.58	2.24
Mara	426	457	242.14	.53	254	77	9.91	.13	2,965	825	1,019.03	1.24	225	63	121.67	1.94
Manyara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINLAND	**15,827**	**6,913**	**3,076.43**	**.45**	**15,821**	**7,025**	**2,619.97**	**.37**	**168,705**	**45,995**	**29,551.16**	**.64**	**1,576**	**427**	**561.94**	**1.32**
North Unguja	0	0	0	0	0	0	0	0	343	69	53.43	.78	0	0	0	0
South Unguja	0	0	0	0	0	0	0	0	91	40	23.71	.59	0	0	0	0
Urban West	0	0	0	0	0	0	0	0	283	40	13.41	.33	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	175	25	16.73	.66	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	302	91	72.39	.80	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	0	**0**	**0**	**0**	0	**1,194**	**265**	**179.68**	**.68**	**0**	**0**	**0**	0
NATIONAL	**15,827**	**6,913**	**3,076.43**	**.45**	**15,821**	**7,025**	**2,619.97**	**.00**	**169,898**	**46,260**	**29,730.84**	**.00**	**1,576**	**427**	**561.94**	**1.32**

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Castor Fung				Okra				Radish				Turmeric			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	0	0	0	0	287	70	50.93	.72	239	94	83.61	.89	119	77	11.94	.15
Kilimanjaro	0	0	0	0	806	190	678.86	3.57	0	0	0	0	0	0	0	0
Tanga	0	0	0	0	868	235	128.31	.55	0	0	0	0	0	0	0	0
Morogoro	0	0	0	0	1,783	531	591.35	1.11	18	2	5.31	2.96	0	0	0	0
Pwani	0	0	0	0	1,894	435	546.36	1.26	0	0	0	0	0	0	0	0
Dar es Salaam	0	0	0	0	2,767	650	1,388.46	2.14	0	0	0	0	42	9	2.12	.25
Lindi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	153	62	12.22	.20	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	0	0	0	0	125	15	3.75	.25	0	0	0	0	0	0	0	0
Singida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kigoma	0	0	0	0	643	168	120.44	.72	333	114	54.92	.48	0	0	0	0
Shinyanga	0	0	0	0	100	20	50.08	2.47	0	0	0	0	0	0	0	0
Kagera	0	0	0	0	689	154	155.41	1.01	0	0	0	0	0	0	0	0
Mwanza	371	51	35.13	.69	1,188	148	407.22	2.75	256	129	319.73	2.47	0	0	0	0
Mara	0	0	0	0	323	216	362.23	1.68	140	28	140.00	4.94	0	0	0	0
Manyara	0	0	0	0	158	4	3.95	1.03	0	0	0	0	0	0	0	0
MAINLAND	**371**	**51**	**35.13**	**.69**	**11,783**	**2,898**	**4,499.59**	**1.55**	**985**	**368**	**603.57**	**1.64**	**162**	**86**	**14.06**	**.16**
North Unguja	0	0	0	0	361	46	246.14	5.36	32	6	4.73	.74	315	42	42.37	1.00
South Unguja	0	0	0	0	331	33	34.78	1.06	61	26	15.96	.61	30	6	10.64	1.73
Urban West	0	0	0	0	377	40	41.82	1.03	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	29	2	.09	.06	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	27	1	.16	.30	0	0	0	0	27	11	40.16	3.71
ZANZIBAR	**0**	**0**	**0**	0	**1,125**	**121**	**323.00**	**2.67**	**92**	**32**	**20.68**	**.64**	**372**	**59**	**93.17**	**1.57**
NATIONAL	**371**	**51**	**35.13**	**.69**	**12,908**	**3,019**	**4,822.59**	**1.60**	**1,078**	**400**	**624.25**	**.00**	**534**	**145**	**107.23**	**.74**

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Bitter Aubergine				Kothmir				Onion				Ginger			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	222	90	337.60	3.75	0	0	0	0.00
Arusha	735	156	484.59	3.10	0	0	0	0	1,838	537	1,194.95	2.23	0	0	0	0.00
Kilimanjaro	365	85	279.67	3.30	0	0	0	0	2,063	480	1,219.00	2.54	2,113	634	2,368.39	3.73
Tanga	1,002	132	255.24	1.93	0	0	0	0	1,357	207	651.70	3.15	872	381	965.17	2.53
Morogoro	951	211	1,097.86	5.20	0	0	0	0	636	119	234.32	1.96	0	0	0	0.00
Pwani	325	18	162.72	9.26	0	0	0	0	87	9	.70	.08	0	0	0	0.00
Dar es Salaam	185	36	96.15	2.65	0	0	0	0	68	8	.00	.00	0	0	0	0.00
Lindi	0	0	0	.00	0	0	0	0	1,215	315	834.75	2.65	0	0	0	0.00
Mtwara	0	0	0	.00	0	0	0	0	0	0	0	.00	0	0	0	0.00
Ruvuma	0	0	0	.00	0	0	0	0	0	0	0	.00	0	0	0	0.00
Iringa	0	0	0	.00	0	0	0	0	109	33	218.66	6.59	0	0	0	0.00
Mbeya	0	0	0	.00	0	0	0	0	157	33	225.09	6.87	0	0	0	0.00
Singida	0	0	0	.00	0	0	0	0	0	0	0	.00	0	0	0	0.00
Tabora	0	0	0	.00	0	0	0	0	0	0	0	.00	0	0	0	0.00
Rukwa	0	0	0	.00	0	0	0	0	0	0	0	.00	0	0	0	0.00
Kigoma	408	70	303.40	4.32	0	0	0	0	0	0	0	.00	0	0	0	0.00
Shinyanga	0	0	0	.00	0	0	0	0	100	41	283.85	7.00	0	0	0	0.00
Kagera	4,748	262	587.81	2.24	0	0	0	0	567	67	91.36	1.37	92	7	.00	0.00
Mwanza	780	108	859.57	7.98	0	0	0	0	710	176	493.46	2.80	0	0	0	0.00
Mara	97	20	38.73	1.98	0	0	0	0	685	112	440.40	3.94	97	24	4.65	0.20
Manyara	0	0	0	.00	0	0	0	0	158	32	31.59	.99	0	0	0	0.00
MAINLAND	**9,597**	**1,098**	**4,165.74**	**3.79**	**0**	**0**	**0**	**0**	**9,973**	**2,258**	**6,257.44**	**2.77**	**3,174**	**1,046**	**3,338.21**	**3.19**
North Unguja	133	6	9.67	1.61	0	0	0	0	0	0	0	.00	0	0	0	0.00
South Unguja	138	44	357.29	8.04	0	0	0	0	0	0	0	.00	0	0	0	0.00
Urban West	188	17	64.62	3.91	31	2	1.88	1.14	63	6	9.73	1.53	0	0	0	0.00
North Pemba	0	0	0	.00	0	0	0	0	0	0	0	.00	0	0	0	0.00
South Pemba	0	0	0	.00	0	0	0	0	0	0	0	.00	0	0	0	0.00
ZANZIBAR	**460**	**67**	**431.58**	**6.45**	**31**	**2**	**1.88**	**1.14**	**63**	**6**	**9.73**	**1.53**	**0**	**0**	**0**	**0.00**
NATIONAL	**10,056**	**1,165**	**4,597.32**	**3.95**	**31**	**2**	**1.88**	**.00**	**10,035**	**2,265**	**6,267.18**	**2.77**	**3,174**	**1,046**	**3,338.21**	**3.19**

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	zucchini				Star Fruit				Cabbage				Tomatoes			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0	222	34	107	3.12
Arusha	0	0	0	0	0	0	0	0	1,844	286	2,479.97	8.68	3,307	937	12,345	13.17
Kilimanjaro	0	0	0	0	0	0	0	0	775	103	322.85	3.12	2,718	522	3,890	7.46
Tanga	0	0	0	0	0	0	0	0	2,927	594	3,268.20	5.50	6,609	1,101	24,721	22.46
Morogoro	0	0	0	0	0	0	0	0	508	126	740.83	5.88	2,477	614	4,770	7.77
Pwani	0	0	0	0	0	0	0	0	0	0	0	0	1,367	338	1,991	5.90
Dar es Salaam	0	0	0	0	0	0	0	0	42	4	31.77	7.41	867	128	498	3.87
Lindi	0	0	0	0	0	0	0	0	0	0	0	0	380	92	1,019	11.05
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	0	0	0	0	0	0	0	0	159	16	214.69	13.34	159	16	557	34.58
Mbeya	0	0	0	0	0	0	0	0	633	144	527.88	3.65	927	138	2,725	19.71
Singida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	0	0	0	0	402	27	186.15	6.90	803	153	5,945	38.84
Kigoma	0	0	0	0	0	0	0	0	449	44	400.50	9.05	3,493	865	11,478	13.27
Shinyanga	0	0	0	0	0	0	0	0	0	0	0	0	100	61	315	5.19
Kagera	0	0	0	0	0	0	0	0	6,372	619	1,903.38	3.07	12,991	1,280	11,810	9.22
Mwanza	0	0	0	0	0	0	0	0	1,060	132	485.38	3.68	6,520	1,267	14,274	11.27
Mara	0	0	0	0	0	0	0	0	1,028	274	1,338.95	4.89	3,432	585	11,332	19.37
Manyara	0	0	0	0	0	0	0	0	0	0	0	0	158	32	569	17.78
MAINLAND	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16,199**	**2,370**	**11,900.56**	5.02	**46,532**	**8,163**	**108,346**	13.27
North Unguja	25	5	5.09	.99	0	0	0	0	0	0	0	0	961	168	713	4.25
South Unguja	0	0	0	0	16	1	.05	.06	61	9	3.04	.33	1,357	264	669	2.53
Urban West	0	0	0	0	0	0	0	0	31	3	18.84	5.93	722	99	574	5.81
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0	289	56	686	12.22
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0	111	25	157	6.39
ZANZIBAR	**25**	**5**	**5.09**	**.99**	**16**	**1**	**.05**	**.06**	**92**	**12**	**21.88**	1.76	**3,440**	**612**	**2,798**	4.58
NATIONAL	**25**	**5**	**5.09**	**.99**	**16**	**1**	**.05**	**.06**	**16,291**	**2,383**	**11,922.44**	5.00	**49,972**	**8,775**	**111,145**	12.67

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Spinach				Carrot				Chillies				Amaranths			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	222	16	100.84	6.23	0	0	0	0	0	0	0	0	222	27	5.55	.21
Arusha	1,025	113	225.52	1.99	836	121	528.42	4.35	616	58	273.41	4.68	775	48	150.76	3.16
Kilimanjaro	1,330	108	270.35	2.50	497	87	489.11	5.64	1,584	191	583.76	3.06	1,729	136	311.53	2.29
Tanga	587	71	361.28	5.11	232	24	46.46	1.98	1,469	209	558.57	2.68	901	117	643.27	5.50
Morogoro	657	68	366.37	5.36	193	50	591.85	11.90	928	163	446.33	2.74	1,103	204	430.95	2.12
Pwani	416	49	244.73	4.99	0	0	0	0	550	169	316.98	1.88	756	78	774.72	9.98
Dar es Salaam	602	91	423.97	4.64	0	0	0	0	816	123	385.30	3.13	2,148	324	1,816.12	5.60
Lindi	0	0	0	.00	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	.00	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	.00	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	0	0	0	.00	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	314	17	69.16	4.10	0	0	0	0	0	0	0	0	1,099	66	14.29	.22
Singida	0	0	0	.00	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	.00	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	225	18	33.77	1.85	0	0	0	0	0	0	0	0	176	36	1,428.34	40.00
Kigoma	0	0	0	.00	0	0	0	0	174	46	97.24	2.10	749	131	612.12	4.68
Shinyanga	200	30	45.07	1.48	0	0	0	0	0	0	0	0	100	20	10.02	.49
Kagera	186	13	35.54	2.80	207	15	14.86	1.01	2,219	188	124.93	.66	4,390	399	702.96	1.76
Mwanza	994	103	723.35	7.01	53	5	15.91	2.96	1,117	222	390.71	1.76	1,588	85	770.42	9.02
Mara	17	2	11.88	6.92	140	28	92.40	3.26	247	30	45.78	1.53	157	58	111.79	1.91
Manyara	158	4	31.59	7.06	0	0	0	0	316	36	414.65	11.58	0	0	0	0
MAINLAND	**6,935**	**705**	**2,943.41**	**4.18**	**2,157**	**330**	**1,779.01**	**5.40**	**10,035**	**1,434**	**3,637.66**	**2.54**	**15,895**	**1,729**	**7,782.82**	**4.50**
North Unguja	0	0	0	0	25	0	5.88	19.02	76	5	22.65	4.15	578	62	76.09	1.24
South Unguja	30	2	6.08	3.80	0	0	0	0	235	21	16.58	.80	434	44	160.50	3.67
Urban West	0	0	0	0	31	3	10.36	3.26	220	21	23.08	1.08	377	36	304.86	8.36
North Pemba	26	5	71.75	13.83	0	0	0	0	0	0	0	0	187	20	139.21	6.94
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0	138	15	42.74	2.84
ZANZIBAR	**56**	**7**	**77.83**	**11.47**	**57**	**3**	**16.24**	**4.66**	**531**	**48**	**62.31**	**1.31**	**1,713**	**177**	**723.41**	**4.09**
NATIONAL	**6,991**	**711**	**3,021.24**	**4.25**	**2,214**	**333**	**1,795.25**	**5.39**	**10,566**	**1,482**	**3,699.96**	**2.50**	**17,608**	**1,906**	**8,506.23**	**4.46**

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Pumpkins				Cucumber				Egg Plant				Water Mellon			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	0	0	0	0	244	74	390.43	5.27	165	58	516.70	8.90	0	0	0	0
Kilimanjaro	212	21	25.38	1.19	521	78	350.67	4.52	0	0	0	0	176	71	65.14	.91
Tanga	56	0	.84	3.71	0	0	0	0	140	14	29.50	2.07	36	15	182.25	12.35
Morogoro	1,150	214	931.97	4.35	35	7	42.66	5.95	469	49	70.09	1.42	162	33	31.97	.97
Pwani	819	111	355.47	3.21	976	145	391.60	2.70	58	4	1.89	.54	875	489	3,098.35	6.34
Dar es Salaam	933	92	125.45	1.36	651	261	1,007.30	3.86	380	67	216.73	3.24	1,199	590	3,729.27	6.32
Lindi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	159	16	39.76	2.47	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	439	16	16.81	1.04	0	0	0	0	0	0	0	0	0	0	0	0
Singida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kigoma	0	0	0	0	116	18	75.25	4.28	0	0	0	0	436	113	1,405.20	12.43
Shinyanga	100	20	50.08	2.47	0	0	0	0	0	0	0	0	0	0	0	0
Kagera	3,295	205	948.32	4.63	1,154	89	179.62	2.02	92	0	5.52	14.82	147	15	132.59	8.89
Mwanza	251	33	31.51	.96	0	0	0	0	92	19	124.34	6.67	159	32	317.13	9.88
Mara	0	0	0	0	548	55	133.67	2.43	237	66	205.68	3.09	673	452	1,430.04	3.16
Manyara	0	0	0	0	0	0	0	0	0	0	0	0	158	16	78.98	4.94
MAINLAND	**7,415**	**729**	**2,525.59**	**3.47**	**4,245**	**726**	**2,571.19**	**3.54**	**1,633**	**277**	**1,170.46**	**4.22**	**4,020**	**1,826**	**10,470.92**	**5.73**
North Unguja	285	42	435.81	10.29	331	53	96.79	1.84	721	110	496.07	4.51	51	21	64.64	3.12
South Unguja	1,148	190	1,701.41	8.96	387	65	249.92	3.84	1,037	135	287.90	2.13	30	12	12.16	.99
Urban West	157	29	532.10	18.60	314	59	200.61	3.41	502	90	669.25	7.41	63	6	37.68	5.93
North Pemba	0	0	0	0	26	10	23.06	2.22	55	4	86.14	20.86	0	0	0	0
South Pemba	0	0	0	0	27	4	1.87	.49	54	3	2.14	.66	0	0	0	0
ZANZIBAR	**1,590**	**261**	**2,669.31**	**10.23**	**1,085**	**191**	**572.25**	**3.00**	**2,368**	**343**	**1,541.50**	**4.49**	**144**	**39**	**114.48**	**2.91**
NATIONAL	**9,005**	**990**	**5,194.90**	**5.25**	**5,330**	**917**	**3,143.45**	**3.43**	**4,002**	**620**	**2,711.96**	**4.37**	**4,164**	**1,865**	**10,585.40**	**5.67**

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Pumpkins				Cucumber				Egg Plant				Water Mellon			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	0	0	0	0	244	74	390.43	5.27	165	58	516.70	8.90	0	0	0	0
Kilimanjaro	212	21	25.38	1.19	521	78	350.67	4.52	0	0	0	0	176	71	65.14	.91
Tanga	56	0	.84	3.71	0	0	0	0	140	14	29.50	2.07	36	15	182.25	12.35
Morogoro	1,150	214	931.97	4.35	35	7	42.66	5.95	469	49	70.09	1.42	162	33	31.97	.97
Pwani	819	111	355.47	3.21	976	145	391.60	2.70	58	4	1.89	.54	875	489	3,098.35	6.34
Dar es Salaam	933	92	125.45	1.36	651	261	1,007.30	3.86	380	67	216.73	3.24	1,199	590	3,729.27	6.32
Lindi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	159	16	39.76	2.47	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	439	16	16.81	1.04	0	0	0	0	0	0	0	0	0	0	0	0
Singida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kigoma	0	0	0	0	116	18	75.25	4.28	0	0	0	0	436	113	1,405.20	12.43
Shinyanga	100	20	50.08	2.47	0	0	0	0	0	0	0	0	0	0	0	0
Kagera	3,295	205	948.32	4.63	1,154	89	179.62	2.02	92	0	5.52	14.82	147	15	132.59	8.89
Mwanza	251	33	31.51	.96	0	0	0	0	92	19	124.34	6.67	159	32	317.13	9.88
Mara	0	0	0	0	548	55	133.67	2.43	237	66	205.68	3.09	673	452	1,430.04	3.16
Manyara	0	0	0	0	0	0	0	0	0	0	0	0	158	16	78.98	4.94
MAINLAND	**7,415**	**729**	**2,525.59**	**3.47**	**4,245**	**726**	**2,571.19**	**3.54**	**1,633**	**277**	**1,170.46**	**4.22**	**4,020**	**1,826**	**10,470.92**	**5.73**
North Unguja	285	42	435.81	10.29	331	53	96.79	1.84	721	110	496.07	4.51	51	21	64.64	3.12
South Unguja	1,148	190	1,701.41	8.96	387	65	249.92	3.84	1,037	135	287.90	2.13	30	12	12.16	.99
Urban West	157	29	532.10	18.60	314	59	200.61	3.41	502	90	669.25	7.41	63	6	37.68	5.93
North Pemba	0	0	0	0	26	10	23.06	2.22	55	4	86.14	20.86	0	0	0	0
South Pemba	0	0	0	0	27	4	1.87	.49	54	3	2.14	.66	0	0	0	0
ZANZIBAR	**1,590**	**261**	**2,669.31**	**10.23**	**1,085**	**191**	**572.25**	**3.00**	**2,368**	**343**	**1,541.50**	**4.49**	**144**	**39**	**114.48**	**2.91**
NATIONAL	**9,005**	**990**	**5,194.90**	**5.25**	**5,330**	**917**	**3,143.45**	**3.43**	**4,002**	**620**	**2,711.96**	**.00**	**4,164**	**1,865**	**10,585.40**	**5.67**

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Cotton				Tobacco				Pyrethrum				Jute			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	119	145	217.50	1.50	151	80	92.66	1.16	0	0	0	0	0	0	0	0
Kilimanjaro	0	0	0	0	52	10	12.90	1.24	0	0	0	0	0	0	0	0
Tanga	0	0	0	0	232	94	34.84	.37	0	0	0	0	0	0	0	0
Morogoro	0	0	0	0	208	84	22.91	.27	0	0	0	0	0	0	0	0
Pwani	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dar es Salaam	0	0	0	0	0	0	0	0	0	0	0	0	37	2	3.73	2.47
Lindi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iringa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mbeya	0	0	0	0	0	0	0	0	1,273	548	286.43	.52	0	0	0	0
Singida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	142	287	354.33	1.24	0	0	0	0	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	176	16	23.46	1.49	0	0	0	0	0	0	0	0
Kigoma	373	378	149.37	.40	3,021	1,950	1,987.71	1.02	0	0	0	0	0	0	0	0
Shinyanga	2,977	3,027	2,957.57	.98	0	0	0	0	0	0	0	0	0	0	0	0
Kagera	8,326	6,856	6,472.95	.94	596	289	319.04	1.10	0	0	0	0	0	0	0	0
Mwanza	97,811	100,204	87,989.76	.88	465	426	325.14	.76	0	0	0	0	0	0	0	0
Mara	14,876	12,869	12,655.22	.98	1,890	851	742.05	.87	0	0	0	0	0	0	0	0
Manyara	0	0	0	0	103	13	10.34	.82	0	0	0	0	0	0	0	0
MAINLAND	**124,625**	**123,766**	**110,796.71**	**.90**	**6,894**	**3,812**	**3,571.06**	**.94**	**1,273**	**548**	**286.43**	**.52**	**37**	**2**	**3.73**	**2.47**
North Unguja	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Unguja	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urban West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
NATIONAL	**124,625**	**123,766**	**110,796.71**	**.90**	**6,894**	**3,812**	**3,571.06**	**.00**	**1,273**	**548**	**286.43**	**.52**	**37**	**2**	**3.73**	**.00**

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Cont. Table 5.6 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Malay			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0
Arusha	0	0	0	0
Kilimanjaro	0	0	0	0
Tanga	0	0	0	0
Morogoro	0	0	0	0
Pwani	0	0	0	0
Dar es Salaam	0	0	0	0
Lindi	0	0	0	0
Mtwara	0	0	0	0
Ruvuma	0	0	0	0
Iringa	0	0	0	0
Mbeya	0	0	0	0
Singida	0	0	0	0
Tabora	0	0	0	0
Rukwa	0	0	0	0
Kigoma	0	0	0	0
Shinyanga	0	0	0	0
Kagera	0	0	0	0
Mwanza	0	0	0	0
Mara	0	0	0	0
Manyara	0	0	0	0
MAINLAND	**0**	**0**	**0**	**0**
North Unguja	0	0	0	0
South Unguja	0	0	0	0
Urban West	0	0	0	0
North Pemba	0	0	0	0
South Pemba	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	**0**
NATIONAL	**0**	**0**	**0**	**0**

5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Long Rainy SEASON Agricultural Year 2007/08

Region	Maize				Paddy				Sorghum			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	260,043	338,865	350,979	1	5,579	2,818	1,983	0.7	115,694	96,032	68,682	0.7
Arusha	144,048	106,233	180,022	1.7	1,635	579	1,699	2.9	4,157	1,658	1,825	1.1
Kilimanjaro	125,244	63,414	98,219	1.5	2,225	783	1,655	2.1	635	86	37	0.4
Tanga	199,305	187,759	272,896	1.5	13,183	5,561	10,824	1.9	364	536	834	1.6
Morogoro	123,575	111,986	117,226	1.0	77,067	81,997	133,777	1.6	15,150	7,526	6,513	0.9
Pwani	53,476	43,644	39,285	0.9	35,581	19,527	19,249	1.0	8,062	3,678	2,114	0.6
Dar es Salaam	9,942	3,599	2,732	0.8	9,648	4,333	3,287	0.8	37	3	4	1.1
Lindi	120,701	75,637	62,345	0.8	35,819	18,293	16,541	0.9	71,946	37,975	26,675	0.7
Mtwara	164,259	77,718	63,012	0.8	42,766	21,369	22,377	1.0	60,428	19,610	9,035	0.5
Ruvuma	189,743	149,282	236,048	1.6	82,901	48,273	55,577	1.2	7,988	2,069	1,191	0.6
Iringa	295,191	246,197	383,035	1.6	9,698	6,471	17,488	2.7	6,733	4,365	4,169	1.0
Mbeya	310,612	229,612	438,266	1.9	99,257	80,006	163,504	2.0	24,308	19,646	21,480	1.1
Singida	144,016	150,053	190,491	1.3	11,425	13,066	15,051	1.2	108,206	97,513	111,959	1.1
Tabora	281,925	291,586	376,136	1.3	111,527	99,268	131,507	1.3	34,390	45,837	47,994	1.0
Rukwa	194,015	224,314	349,289	1.6	34,366	45,979	126,679	2.8	9,031	8,784	8,079	0.9
Kigoma	33,595	14,748	14,669	1.0	1,553	713	455	0.6	4,093	1,672	1,615	1.0
Shinyanga	435,661	515,759	671,806	1.3	185,532	170,482	251,668	1.5	82,569	97,742	99,558	1.0
Kagera	51,273	11,711	12,292	1.0	9,937	6,088	12,454	2.0	24,263	9,171	12,074	1.3
Mwanza	56,567	36,342	41,536	1.1	74,417	48,814	69,284	1.4	5,404	2,488	1,690	0.7
Mara	104,065	64,747	116,984	1.8	6,473	2,720	5,944	2.2	63,242	32,968	41,052	1.2
Manyara	182,128	256,163	387,573	1.5	2,826	2,192	7,683	3.5	15,627	8,313	7,619	0.9
MAINLAND	**3,479,383**	**3,199,370**	**4,404,841**	**1.4**	**853,416**	**679,333**	**1,068,686**	**1.6**	**662,327**	**497,670**	**474,198**	**1.0**
North Unguja	6,683	1,621	1,401	0.9	10,237	4,040	3,986	1.0	1,962	431	297	0.7
South Unguja	1,650	308	525	1.7	2,144	820	1,342	1.6	30	5	2	0.4
Urban West	973	191	516	2.7	4,804	1,745	2,234	1.3	31	3	1	0.2
North Pemba	2,019	434	669	1.5	21,911	7,380	9,703	1.3	4,551	1,040	1,099	1.1
South Pemba	1,084	206	246	1.2	23,761	9,490	10,968	1.2	200	30	30	1.0
ZANZIBAR	**12,410**	**2,760**	**3,358**	**1.2**	**62,857**	**23,475**	**28,233**	**1.2**	**6,775**	**1,508**	**1,429**	**0.9**
NATIONAL	**3,491,793**	**3,202,130**	**4,408,199**	**1.4**	**916,273**	**702,808**	**1,096,919**	**1.6**	**669,102**	**499,178**	**475,627**	**1.0**

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Cont…5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Long Rainy SEASON Agricultural Year 2007/08

Region	Bulrush Millet				Finger Millet				Wheat			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	106,449	80,956	47,738	0.6	13,448	9,705	6,231.68	0.6	0	0	0	0
Arusha	0	0	0	0.0	1,378	550	406.79	0.7	4,162	4,002	5,386.34	1.3
Kilimanjaro	0	0	0	0.0	7,234	1,702	297.55	0.2	0	0	0	0
Tanga	0	0	0	0.0	0	0	0	0.0	0	0	0	0
Morogoro	0	0	0	0.0	0	0	0	0.0	140	28	20.93	0.7
Pwani	108	26	14	0.5	0	0	0	0.0	0	0	0	0
Dar es Salaam	0	0	0	0.0	136	21	8.87	0.4	0	0	0	0
Lindi	315	326	93	0.3	182	38	28.36	0.8	0	0	0	0
Mtwara	255	27	9	0.3	1,285	288	119.70	0.4	0	0	0	0
Ruvuma	87	71	35	0.5	21,225	7,278	5,541.88	0.8	7,546	2,737	1,673.36	0.6
Iringa	169	17	51	3.0	17,363	6,072	3,465.86	0.6	40,590	17,530	12,646.26	0.7
Mbeya	2,679	1,544	837	0.5	18,795	7,265	3,846.04	0.5	12,149	5,419	4,152.82	0.8
Singida	58,960	48,891	36,903	0.8	9,070	6,830	6,227.11	0.9	180	73	64.73	0.9
Tabora	1,443	1,208	912	0.8	2,283	760	849.53	1.1	0	0	0	0
Rukwa	47	5	1	0.2	13,212	10,637	10,390.48	1.0	2,378	1,939	3,766.72	1.9
Kigoma	1,120	643	515	0.8	0	0	0	0	0	0	0	0
Shinyanga	9,156	14,595	14,798	1.0	1,576	811	666.55	0.8	0	0	0	0
Kagera	0	0	0	0.0	3,860	584	375.54	0.6	129	13	5.15	0.4
Mwanza	1,502	1,721	900	0.5	145	14	18.21	1.3	0	0	0	0
Mara	85	274	169	0.6	15,154	5,722	5,996.94	1.0	0	0	0	0
Manyara	1,348	968	796	0.8	4,918	1,898	1,574.00	0.8	3,575	10,194	15,123.99	1.5
MAINLAND	**183,725**	**151,273**	**103,772**	**0.7**	**131,263**	**60,174**	**46,045.09**	**0.8**	**70,847**	**41,935**	**42,840.29**	**1.0**
North Unguja	32	3	4	1.2	0	0	0	0	32	6	3.94	0.6
South Unguja	0	0	0	0.0	0	0	0	0	0	0	0	0
Urban West	0	0	0	0.0	0	0	0	0	0	0	0	0
North Pemba	905	212	115	0.5	29	18	13.14	0.7	26	16	13.32	0.9
South Pemba	0	0	0	0.0	0	0	0	0	0	0	0	0
ZANZIBAR	**937**	**215**	**119**	**0.6**	**29**	**18**	**13.14**	**0.7**	**57**	**22**	**17.26**	**0.8**
NATIONAL	**184,661**	**151,488**	**103,891**	**0.7**	**131,292**	**60,192**	**46,058.23**	**0.8**	**70,905**	**41,957**	**42,857.56**	**1.0**

Cont.Table 5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Barley				Seaweed				Sweet Potato			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	2,033	863	914.88	1.1
Arusha	356	180	245.79	1.4	0	0	0	0	838	123	413.14	3.4
Kilimanjaro	0	0	0	0	0	0	0	0	574	75	103.40	1.4
Tanga	0	0	0	0	0	0	0	0	963	250	351.93	1.4
Morogoro	0	0	0	0	0	0	0	0	9,568	3,925	13,659.33	3.5
Pwani	0	0	0	0	291	100	426.12	4.3	4,707	1,645	2,725.89	1.7
Dar es Salaam	0	0	0	0	0	0	0	0	7,002	3,094	6,662.78	2.2
Lindi	0	0	0	0	0	0	0	0	269	56	59.35	1.1
Mtwara	0	0	0	0	0	0	0	0	1,405	308	1,064.56	3.5
Ruvuma	0	0	0	0	0	0	0	0	18,497	3,974	7,455.01	1.9
Iringa	0	0	0	0	0	0	0	0	8,431	1,135	2,974.63	2.6
Mbeya	0	0	0	0	0	0	0	0	16,791	4,831	9,015.88	1.9
Singida	0	0	0	0	0	0	0	0	9,812	3,591	9,694.98	2.7
Tabora	0	0	0	0	0	0	0	0	52,772	18,613	33,323.40	1.8
Rukwa	0	0	0	0	0	0	0	0	13,713	5,438	13,966.91	2.6
Kigoma	0	0	0	0	0	0	0	0	4,553	1,068	2,721.63	2.5
Shinyanga	0	0	0	0	0	0	0	0	187,591	67,266	134,740.99	2.0
Kagera	0	0	0	0	0	0	0	0	45,927	6,564	16,521.83	2.5
Mwanza	0	0	0	0	0	0	0	0	58,389	17,402	28,857.01	1.7
Mara	0	0	0	0	0	0	0	0	20,710	5,861	17,944.70	3.1
Manyara	0	0	0	0	0	0	0	0	2,542	647	932.12	1.4
MAINLAND	**356**	**180**	**245.79**	**1.4**	**291**	**100**	**426.12**	**4.3**	**467,089**	**146,732**	**304,104.33**	**2.1**
North Unguja	0	0	0	0	151	23	25.65	1.1	4,771	1,284	2,439.15	1.9
South Unguja	0	0	0	0	638	154	153.72	1.0	2,598	1,166	3,522.69	3.0
Urban West	0	0	0	0	31	2	7.22	4.4	1,915	356	810.36	2.3
North Pemba	0	0	0	0	58	12	13.84	1.2	7,146	1,909	3,652.67	1.9
South Pemba	0	0	0	0	428	97	229.17	2.4	493	109	174.91	1.6
ZANZIBAR	**0**	**0**	**0**	**0**	**1,308**	**287**	**429.61**	**1.5**	**16,924**	**4,824**	**10,599.77**	**2.2**
NATIONAL	**356**	**180**	**245.79**	**1.4**	**1,803**	**470**	**884.30**	**1.9**	**484,013**	**151,556**	**314,704.10**	**2.1**

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Cont.Table 5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Irish potatoes				Yams				Coco Yam			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	126	26	115.24	4.5	0	0	0	0
Arusha	1,595	546	1657.6	3.0	0	0	0	0	0	0	0	0
Kilimanjaro	1,850	516	1347.7	2.6	304	17	14.47	0.8	2,228	147	90.55	0.6
Tanga	9,396	3,625	6215.4	1.7	0	0	0	0	347	122	69.36	0.6
Morogoro	1,832	586	1502.4	2.6	18	6	8.25	1.3	999	501	326.59	0.7
Pwani	0	0	0.0	0	74	12	1.89	0.2	0	0	0	0
Dar es Salaam	68	15	4.4	0.3	85	10	2.67	0.3	0	0	0	0
Lindi	0	0	0.0	0	124	20	18.60	0.9	0	0	0	0
Mtwara	102	83	61.2	0.7	592	101	112.14	1.1	0	0	0	0
Ruvuma	914	342	328.4	1.0	263	229	146.21	0.6	4,035	525	515.23	1.0
Iringa	40,905	17,394	80958.3	4.7	181	28	22.15	0.8	562	124	175.60	1.4
Mbeya	11,084	4,428	16967.3	3.8	283	99	60.01	0.6	6,020	764	1,059.73	1.4
Singida	0	0	0.0	0	0	0	0	0	0	0	0	0
Tabora	323	156	102.8	0.7	515	110	251.94	2.3	0	0	0	0
Rukwa	1,498	422	1009.7	2.4	225	46	.00	0.0	224	81	51.73	0.6
Kigoma	0	0	0.0	0	0	0	0	0	212	21	6.37	0.3
Shinyanga	463	183	212.6	1.2	2,624	565	675.59	1.2	119	24	15.49	0.6
Kagera	2,502	224	809.2	3.6	5,805	574	745.88	1.3	13,889	1,197	1,311.06	1.1
Mwanza	371	262	298.5	1.1	0	0	0	0	0	0	0	0
Mara	603	110	544.4	5.0	516	135	150.01	1.1	0	0	0	0
Manyara	98	20	136.5	6.9	0	0	0	0	0	0	0	0
MAINLAND	**73,604**	**28,911**	**112156.5**	**3.9**	**11,735**	**1,977**	**2,325.04**	**1.2**	**28,634**	**3,507**	**3,621.72**	**1.0**
North Unguja	0	0	0.0	0	2,143	436	566.28	1.3	418	73	49.71	0.7
South Unguja	91	26	21.7	0.8	921	174	300.07	1.7	884	157	93.40	0.6
Urban West	31	3	18.8	5.9	408	52	83.05	1.6	471	75	70.96	0.9
North Pemba	29	4	3.5	0.9	29	9	14.60	1.6	406	52	83.24	1.6
South Pemba	31	3	3.1	1.0	31	3	5.89	1.9	543	88	92.03	1.0
ZANZIBAR	**183**	**36**	**47.2**	**1.3**	**3,533**	**674**	**969.90**	**1.4**	**2,721**	**445**	**389**	**1**
NATIONAL	**73,786**	**28,947**	**112,203.7**	**3.9**	**15,063**	**2,569**	**3,266.36**	**1.3**	**31,355**	**3,952**	**4,011**	**1**

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Cont.Table 5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Green gram				Chick peas				Bambaranuts			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	1,353	805	186.76	0.2	0	0	0	0	23,594	7,381	3,517.44	0.5
Arusha	7,961	3,884	1,854.23	0.5	4,094	2,246	1,602.16	0.7	0	0	0	0
Kilimanjaro	1,598	397	159.51	0.4	0	0	0	0	0	0	0	0
Tanga	2,665	789	731.48	0.9	0	0	0	0	232	24	93.84	4.0
Morogoro	964	458	238.27	0.5	140	28	14.04	0.5	88	4	5.26	1.5
Pwani	652	235	149.31	0.6	0	0	0	0	0	0	0	0
Dar es Salaam	149	22	37.37	1.7	0	0	0	0	37	4	1.30	0.3
Lindi	455	67	37.97	0.6	0	0	0	0	3,362	971	375.66	0.4
Mtwara	12,124	2,919	2,049.30	0.7	574	105	49.27	0.5	44,991	11,439	6,156.85	0.5
Ruvuma	790	116	40.80	0.4	0	0	0	0	11,066	1,881	928.94	0.5
Iringa	139	28	70.34	2.5	0	0	0	0	1,997	608	450.51	0.7
Mbeya	125	13	5.00	0.4	0	0	0	0	4,171	837	956.20	1.1
Singida	2,171	1,527	1,589.17	1.0	4,168	5,949	3,270.42	0.5	3,780	1,401	1,775.77	1.3
Tabora	6,601	3,145	6,772.46	2.2	2,195	1,279	741.21	0.6	28,392	8,110	7,653.48	0.9
Rukwa	0	0	0	0	0	0	0	0	236	33	30.17	0.9
Kigoma	212	86	50.97	0.6	0	0	0	0	187	57	60.50	1.1
Shinyanga	21,762	6,907	6,032.77	0.9	14,486	22,112	11,496.17	0.5	10,869	4,215	4,963.76	1.2
Kagera	204	43	35.77	0.8	102	83	35.67	0.4	5,073	672	299.69	0.4
Mwanza	10,983	2,895	3,172.70	1.1	15,173	26,214	14,645.33	0.6	910	112	155.92	1.4
Mara	882	189	267.57	1.4	484	529	492.87	0.9	591	74	93.60	1.3
Manyara	1,629	1,662	476.43	0.3	3,901	4,000	3,412.86	0.9	465	278	357.95	1.3
MAINLAND	**73,418**	**26,187**	**23,958.17**	**0.9**	**45,319**	**62,546**	**35,759.99**	**0.6**	**140,042**	**38,100**	**27,876.86**	**0.7**
North Unguja	1,349	274	109.66	0.4	0	0	0	0	0	0	0	0
South Unguja	382	49	21.59	0.4	0	0	0	0	0	0	0	0
Urban West	31	3	.16	0.0	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**1,761**	**326**	**131.41**	**0.4**	**0**	**0**	**0**	0	**0**	**0**	**0**	0
NATIONAL	**75,180**	**26,512**	**24,089.58**	**0.9**	**45,319**	**62,546**	**35,759.99**	**.00**	**140,042**	**38,100**	**27,876.86**	**0.7**
Cont…..												

Cont.Table 5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Field Peas				Sunflower				Simsim			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	410	527	72.55	0.1	108,563	83,212	56,016.45	0.7	36,578	26,617	9,388.41	0.4
Arusha	119	48	4.78	0.1	7,853	2,191	1,159.76	0.5	143	376	300.05	0.8
Kilimanjaro	212	32	6.15	0.2	21,591	3,951	2,015.76	0.5	87	9	.00	0.0
Tanga	0	0	0	0	726	661	307.48	0.5	5,570	3,898	1,163.02	0.3
Morogoro	2,093	402	287.62	0.7	4,503	2,405	1,627.81	0.7	25,085	12,662	4,853.89	0.4
Pwani	111	22	22.16	1.0	423	131	80.13	0.6	13,436	8,341	2,598.87	0.3
Dar es Salaam	0	0	0	0	0	0	0	0	111	96	11.64	0.1
Lindi	188	87	7.52	0.1	188	59	15.05	0.3	48,803	23,225	10,995.22	0.5
Mtwara	0	0	0	0	0	0	0	0	23,586	9,528	4,292.91	0.5
Ruvuma	1,183	252	165.56	0.7	11,003	4,367	2,841.26	0.7	25,642	11,716	4,651.65	0.4
Iringa	24,891	8,102	5,711.23	0.7	77,729	32,230	21,148.26	0.7	1,757	1,044	424.84	0.4
Mbeya	9,352	2,277	1,358.06	0.6	33,399	14,963	10,131.46	0.7	16,416	18,453	9,841.67	0.5
Singida	0	0	0	0	89,975	99,154	68,297.02	0.7	6,996	5,498	2,789.05	0.5
Tabora	197	60	89.41	1.5	28,153	15,415	11,802.33	0.8	2,050	1,420	551.43	0.4
Rukwa	424	337	313.30	0.9	48,238	36,683	27,357.66	0.7	4,796	6,647	3,194.12	0.5
Kigoma	146	6	8.77	1.5	425	86	61.58	0.7	0	0	0	0
Shinyanga	0	0	0	0	9,210	5,096	2,930.40	0.6	2,905	1,453	534.96	0.4
Kagera	6,074	1,017	390.80	0.4	92	0	.55	1.5	102	21	15.29	0.7
Mwanza	0	0	0	0	202	820	485.80	0.6	0	0	0	0
Mara	0	0	0	0	85	69	63.54	0.9	254	98	33.04	0.3
Manyara	628	624	118.72	0.2	40,144	39,074	29,244.09	0.7	2,225	1,784	842.77	0.5
MAINLAND	**46,028**	**13,793**	**8,556.63**	**0.6**	**482,501**	**340,565**	**235,586.43**	**0.7**	**216,539**	**132,885**	**56,482.82**	**0.4**
North Unguja	0	0	0	0	0	0	0	0	0	0	0	0
South Unguja	0	0	0	0	0	0	0	0	0	0	0	0
Urban West	0	0	0	0	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	0	**0**	**0**	0	0	**0**	**0**	**0**	**0**
NATIONAL	**46,028**	**13,793**	**8,556.63**	**0.6**	**482,501**	**340,565**	**235,586.43**	**0.7**	**216,539**	**132,885**	**56,482.82**	**0.4**

Cont.Table 5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Mung Bean				Beans				Cowpeas			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	142	58	64.06	1.1	20,406	9,713	6,830.54	0.7	13,941	6,397	2,051.18	0.3
Arusha	122	49	878.47	17.8	92,331	40,082	39,069.31	1.0	6,557	2,608	1,221.40	0.5
Kilimanjaro	88	36	44.01	1.2	99,394	25,616	14,573.49	0.6	5,902	1,399	252.13	0.2
Tanga	0	0	0	0	76,839	47,351	46,656.68	1.0	7,805	2,925	1,322.68	0.5
Morogoro	348	225	129.68	0.6	18,953	8,245	5,047.90	0.6	10,761	3,385	2,215.92	0.7
Pwani	0	0	0	0	758	193	94.54	0.5	12,278	3,572	1,368.49	0.4
Dar es Salaam	0	0	0	0	0	0	0	0	4,294	599	169.08	0.3
Lindi	0	0	0	0	2,711	878	401.37	0.5	18,083	5,887	3,412.71	0.6
Mtwara	0	0	0	0	4,247	1,329	681.37	0.5	42,019	9,905	4,758.19	0.5
Ruvuma	554	136	74.81	0.6	83,194	38,407	26,501.97	0.7	18,691	3,644	1,304.67	0.4
Iringa	1,025	294	710.32	2.4	160,815	56,012	37,413.28	0.7	24,146	6,147	3,036.85	0.5
Mbeya	1,947	571	405.34	0.7	235,840	82,752	55,535.20	0.7	1,817	478	364.36	0.8
Singida	0	0	0	0	14,084	6,420	8,965.46	1.4	5,069	1,264	555.17	0.4
Tabora	460	296	174.30	0.6	27,238	9,797	5,923.34	0.6	8,673	2,689	1,320.28	0.5
Rukwa	0	0	0	0	60,359	37,596	27,062.65	0.7	2,185	221	91.65	0.4
Kigoma	4,884	2,018	885.53	0.4	51,847	18,831	13,033.81	0.7	245	42	29.83	0.7
Shinyanga	100	20	25.04	1.2	44,034	19,803	16,620.34	0.8	20,778	6,222	3,938.46	0.6
Kagera	0	0	0	0	117,080	38,192	27,724.32	0.7	609	98	28.15	0.3
Mwanza	0	0	0	0	6,388	2,647	613.06	0.2	8,106	1,067	685.78	0.6
Mara	269	84	24.59	0.3	19,084	5,203	8,727.74	1.7	570	100	154.14	1.5
Manyara	1,290	1,731	756.76	0.4	86,620	50,225	41,350.62	0.8	2,430	1,479	589.19	0.4
MAINLAND	**11,230**	**5,519**	**4,172.92**	**0.8**	**1,222,221**	**499,293**	**382,826.97**	**0.8**	**214,960**	**60,127**	**28,870.31**	**0.5**
North Unguja	0	0	0	0	252	54	13.96	0.3	1,531	242	105.40	0.4
South Unguja	0	0	0	0	30	3	.00	0.0	138	20	6.59	0.3
Urban West	0	0	0	0	0	0	0	0	157	28	15.48	0.5
North Pemba	0	0	0	0	0	0	0	0	248	56	21.62	0.4
South Pemba	0	0	0	0	0	0	0	0	571	96	42.12	0.4
ZANZIBAR	**0**	**0**	**0**	0	**282**	**57**	**14**	**0**	**2,646**	**443**	**191**	**0**
NATIONAL	**11,230**	**5,519**	**4,173**	**1**	**1,222,504**	**499,350**	**382,841**	**1**	**217,606**	**60,570**	**29,062**	**0**

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Cont.Table 5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Green gram				Chick peas				Bambaranuts			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	1,353	805	186.76	0.2	0	0	0	0	23,594	7,381	3,517.44	0.5
Arusha	7,961	3,884	1,854.23	0.5	4,094	2,246	1,602.16	0.7	0	0	0	0
Kilimanjaro	1,598	397	159.51	0.4	0	0	0	0	0	0	0	0
Tanga	2,665	789	731.48	0.9	0	0	0	0	232	24	93.84	4.0
Morogoro	964	458	238.27	0.5	140	28	14.04	0.5	88	4	5.26	1.5
Pwani	652	235	149.31	0.6	0	0	0	0	0	0	0	0
Dar es Salaam	149	22	37.37	1.7	0	0	0	0	37	4	1.30	0.3
Lindi	455	67	37.97	0.6	0	0	0	0	3,362	971	375.66	0.4
Mtwara	12,124	2,919	2,049.30	0.7	574	105	49.27	0.5	44,991	11,439	6,156.85	0.5
Ruvuma	790	116	40.80	0.4	0	0	0	0	11,066	1,881	928.94	0.5
Iringa	139	28	70.34	2.5	0	0	0	0	1,997	608	450.51	0.7
Mbeya	125	13	5.00	0.4	0	0	0	0	4,171	837	956.20	1.1
Singida	2,171	1,527	1,589.17	1.0	4,168	5,949	3,270.42	0.5	3,780	1,401	1,775.77	1.3
Tabora	6,601	3,145	6,772.46	2.2	2,195	1,279	741.21	0.6	28,392	8,110	7,653.48	0.9
Rukwa	0	0	0	0	0	0	0	0	236	33	30.17	0.9
Kigoma	212	86	50.97	0.6	0	0	0	0	187	57	60.50	1.1
Shinyanga	21,762	6,907	6,032.77	0.9	14,486	22,112	11,496.17	0.5	10,869	4,215	4,963.76	1.2
Kagera	204	43	35.77	0.8	102	83	35.67	0.4	5,073	672	299.69	0.4
Mwanza	10,983	2,895	3,172.70	1.1	15,173	26,214	14,645.33	0.6	910	112	155.92	1.4
Mara	882	189	267.57	1.4	484	529	492.87	0.9	591	74	93.60	1.3
Manyara	1,629	1,662	476.43	0.3	3,901	4,000	3,412.86	0.9	465	278	357.95	1.3
MAINLAND	**73,418**	**26,187**	**23,958.17**	**0.9**	**45,319**	**62,546**	**35,759.99**	**0.6**	**140,042**	**38,100**	**27,876.86**	**0.7**
North Unguja	1,349	274	109.66	0.4	0	0	0	0	0	0	0	0
South Unguja	382	49	21.59	0.4	0	0	0	0	0	0	0	0
Urban West	31	3	.16	0.0	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**1,761**	**326**	**131.41**	**0.4**	**0**	**0**	**0**	0	**0**	**0**	**0**	0
NATIONAL	**75,180**	**26,512**	**24,089.58**	**0.9**	**45,319**	**62,546**	**35,759.99**	**.00**	**140,042**	**38,100**	**27,876.86**	**0.7**

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Cont.Table 5.7 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Field Peas				Sunflower				Simsim			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	410	527	72.55	0.1	108,563	83,212	56,016.45	0.7	36,578	26,617	9,388.41	0.4
Arusha	119	48	4.78	0.1	7,853	2,191	1,159.76	0.5	143	376	300.05	0.8
Kilimanjaro	212	32	6.15	0.2	21,591	3,951	2,015.76	0.5	87	9	.00	0.0
Tanga	0	0	0	0	726	661	307.48	0.5	5,570	3,898	1,163.02	0.3
Morogoro	2,093	402	287.62	0.7	4,503	2,405	1,627.81	0.7	25,085	12,662	4,853.89	0.4
Pwani	111	22	22.16	1.0	423	131	80.13	0.6	13,436	8,341	2,598.87	0.3
Dar es Salaam	0	0	0	0	0	0	0	0	111	96	11.64	0.1
Lindi	188	87	7.52	0.1	188	59	15.05	0.3	48,803	23,225	10,995.22	0.5
Mtwara	0	0	0	0	0	0	0	0	23,586	9,528	4,292.91	0.5
Ruvuma	1,183	252	165.56	0.7	11,003	4,367	2,841.26	0.7	25,642	11,716	4,651.65	0.4
Iringa	24,891	8,102	5,711.23	0.7	77,729	32,230	21,148.26	0.7	1,757	1,044	424.84	0.4
Mbeya	9,352	2,277	1,358.06	0.6	33,399	14,963	10,131.46	0.7	16,416	18,453	9,841.67	0.5
Singida	0	0	0	0	89,975	99,154	68,297.02	0.7	6,996	5,498	2,789.05	0.5
Tabora	197	60	89.41	1.5	28,153	15,415	11,802.33	0.8	2,050	1,420	551.43	0.4
Rukwa	424	337	313.30	0.9	48,238	36,683	27,357.66	0.7	4,796	6,647	3,194.12	0.5
Kigoma	146	6	8.77	1.5	425	86	61.58	0.7	0	0	0	0
Shinyanga	0	0	0	0	9,210	5,096	2,930.40	0.6	2,905	1,453	534.96	0.4
Kagera	6,074	1,017	390.80	0.4	92	0	.55	1.5	102	21	15.29	0.7
Mwanza	0	0	0	0	202	820	485.80	0.6	0	0	0	0
Mara	0	0	0	0	85	69	63.54	0.9	254	98	33.04	0.3
Manyara	628	624	118.72	0.2	40,144	39,074	29,244.09	0.7	2,225	1,784	842.77	0.5
MAINLAND	**46,028**	**13,793**	**8,556.63**	**0.6**	**482,501**	**340,565**	**235,586.43**	**0.7**	**216,539**	**132,885**	**56,482.82**	**0.4**
North Unguja	0	0	0	0	0	0	0	0	0	0	0	0
South Unguja	0	0	0	0	0	0	0	0	0	0	0	0
Urban West	0	0	0	0	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	0	**0**	**0**	0	0	**0**	**0**	**0**	**0**
NATIONAL	**46,028**	**13,793**	**8,556.63**	**0.6**	**482,501**	**340,565**	**235,586.43**	**0.7**	**216,539**	**132,885**	**56,482.82**	**0.4**

5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short & Long Rainy SEASON Agricultural Year 2007/08

Region	Maize				Paddy				Sorghum			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	260,043	338,865	350,979	1.04	5,579	2,818	1,983	0.70	115,836	96,147	68,739	0.71
Arusha	178,107	123,922	209,678	1.69	2,308	887	2,271	2.56	4,157	1,658	1,825	1.10
Kilimanjaro	242,791	107,946	150,138	1.39	9,847	4,966	8,831	1.78	774	132	46	0.35
Tanga	391,991	315,940	434,747	1.38	14,746	6,222	13,322	2.14	596	593	880	1.49
Morogoro	272,594	232,192	238,435	1.03	154,132	169,713	294,715	1.74	23,019	11,530	9,181	0.80
Pwani	119,107	79,223	70,265	0.89	52,203	28,495	33,207	1.17	10,450	4,451	2,669	0.60
Dar es Salaam	15,916	5,799	4,051	0.70	10,081	4,414	3,328	0.75	37	3	4	1.07
Lindi	121,224	76,224	62,571	0.82	36,067	18,494	16,814	0.91	72,128	38,023	26,707	0.70
Mtwara	164,717	78,032	63,470	0.81	42,890	21,419	22,420	1.05	60,428	19,610	9,035	0.46
Ruvuma	190,175	149,490	236,602	1.58	83,246	48,449	55,675	1.15	8,119	2,090	1,201	0.57
Iringa	296,112	246,947	384,273	1.56	9,837	6,527	17,711	2.71	6,733	4,365	4,169	0.96
Mbeya	401,372	271,402	494,810	1.82	102,522	81,267	164,065	2.02	24,308	19,646	21,480	1.09
Singida	144,016	150,053	190,491	1.27	11,425	13,066	15,051	1.15	108,206	97,513	111,959	1.15
Tabora	282,318	291,798	376,341	1.29	111,527	99,268	131,507	1.32	34,390	45,837	47,994	1.05
Rukwa	195,684	225,551	351,013	1.56	34,768	46,486	127,244	2.74	9,031	8,784	8,079	0.92
Kigoma	203,223	95,289	113,051	1.19	11,085	5,779	6,370	1.10	23,607	8,376	7,934	0.95
Shinyanga	443,092	521,777	678,746	1.30	190,419	175,192	257,944	1.47	83,253	98,145	99,770	1.02
Kagera	372,318	99,793	121,148	1.21	19,933	14,105	30,805	2.18	38,870	13,223	17,001	1.29
Mwanza	368,417	263,281	250,027	0.95	173,421	124,417	178,442	1.43	27,164	14,630	11,510	0.79
Mara	232,003	146,664	256,552	1.75	11,381	5,666	9,618	1.70	140,012	73,615	92,695	1.26
Manyara	193,098	262,313	401,389	1.53	2,997	2,458	8,360	3.40	15,684	8,359	7,779	0.93
MAINLAND	**5,088,317**	**4,082,500**	**5,438,776**	**1.33**	**1,090,417**	**880,108**	**1,399,681**	**1.59**	**806,805**	**566,728**	**550,654**	**0.97**
North Unguja	9,447	2,235	2,163	0.97	14,556	5,589	5,799	1.04	2,884	653	449	0.69
South Unguja	3,729	679	1,154	1.70	4,533	1,813	2,700	1.49	243	33	15	0.45
Urban West	2,041	355	926	2.61	6,123	2,073	2,725	1.31	31	3	1	0.25
North Pemba	2,147	485	805	1.66	22,357	7,544	9,972	1.32	5,190	1,175	1,183	1.01
South Pemba	1,583	302	355	1.18	24,064	9,581	11,069	1.16	378	58	51	0.88
ZANZIBAR	**18,947**	**4,055**	**5,402**	**1.33**	**71,633**	**26,600**	**32,265**	**1.21**	**8,726**	**1,922**	**1,699**	**0.88**
NATIONAL	**5,107,264**	**4,086,555**	**5,444,178**	**1.33**	**1,162,050**	**906,708**	**1,431,946**	**1.58**	**815,531**	**568,650**	**552,353**	**0.97**
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5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short & Long Rainy SEASON Agricultural Year 2007/08

Region	Bulrush Millet				Finger Millet				Wheat			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	106,449	80,956	47,738	0.59	13,448	9,705	6,232	0.64	0	0	0	0
Arusha	0	0	0	0	1,498	622	478	0.77	4,595	4,599	5,392	1.17
Kilimanjaro	0	0	0	0	9,365	2,137	422	0.20	0	0	0	0
Tanga	0	0	0	0	0	0	0	0	232	66	35	0.53
Morogoro	208	253	31	0.12	0	0	0	0	140	28	21	0.74
Pwani	108	26	14	0.51	0	0	0	0	108	66	46	0.70
Dar es Salaam	0	0	0	0	174	28	27	0.97	0	0	0	0
Lindi	315	326	93	0.28	182	38	28	0.75	0	0	0	0
Mtwara	255	27	9	0.32	1,285	288	120	0.42	0	0	0	0
Ruvuma	87	71	35	0.49	21,306	7,287	5,555	0.76	7,546	2,737	1,673	0.61
Iringa	169	17	51	2.99	17,363	6,072	3,466	0.57	40,749	17,562	12,662	0.72
Mbeya	2,679	1,544	837	0.54	20,303	7,608	4,376	0.58	12,149	5,419	4,153	0.77
Singida	58,960	48,891	36,903	0.75	9,070	6,830	6,227	0.91	180	73	65	0.89
Tabora	1,443	1,208	912	0.76	2,283	760	850	1.12	0	0	0	0
Rukwa	47	5	1	0.25	13,324	10,999	10,770	0.98	2,378	1,939	3,767	1.94
Kigoma	1,120	643	515	0.80	1,944	601	421	0.70	425	86	66	0.77
Shinyanga	9,200	14,862	15,238	1.03	1,576	811	667	0.82	0	0	0	0
Kagera	408	413	553	1.34	8,770	1,629	865	0.53	129	13	5	0.40
Mwanza	4,405	5,187	3,035	0.59	1,188	680	262	0.39	159	64	63	0.99
Mara	182	314	213	0.68	28,158	10,836	10,463	0.97	0	0	0	0
Manyara	1,348	968	796	0.82	4,918	1,898	1,574	0.83	5,333	10,508	15,414	1.47
MAINLAND	**187,384**	**155,710**	**106,974**	**0.69**	**156,155**	**68,829**	**52,804**	**0.77**	**74,122**	**43,160**	**43,362**	**1.00**
North Unguja	348	39	21	0.53	0	0	0	0	32	6	4	0.62
South Unguja	0	0	0	0	0	0	0	0	0	0	0	0
Urban West	0	0	0	0	0	0	0	0	0	0	0	0
North Pemba	3,891	931	763	0.82	29	18	13	0.74	26	16	13	0.86
South Pemba	402	117	57	0.49	0	0	0	0	0	0	0	0
ZANZIBAR	**4,641**	**1,087**	**840**	**0.77**	**29**	**18**	**13**	**0.74**	**57**	**22**	**17**	**0.79**
NATIONAL	**192,025**	**156,797**	**107,814**	**0.69**	**156,184**	**68,847**	**52,817**	**0.77**	**74,179**	**43,182**	**43,379**	**1.00**

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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Barley				Seaweed				Cassava			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	6,376	3,694	3,941	1.07
Arusha	446	216	259	1.20	0	0	0	0	1,788	454	1,404	3.09
Kilimanjaro	0	0	0	0	0	0	0	0	9,168	2,064	3,083	1.49
Tanga	0	0	0	0	0	0	0	0	66,356	36,953	71,193	1.93
Morogoro	0	0	0	0	0	0	0	0	28,535	10,646	23,804	2.24
Pwani	0	0	0	0	697	224	982	4.39	85,834	56,948	136,087	2.39
Dar es Salaam	0	0	0	0	0	0	0	0	13,176	5,020	11,183	2.23
Lindi	0	0	0	0	0	0	0	0	31,559	16,841	22,453	1.33
Mtwara	0	0	0	0	0	0	0	0	115,374	60,055	68,355	1.14
Ruvuma	0	0	0	0	0	0	0	0	104,917	56,863	100,116	1.76
Iringa	0	0	0	0	0	0	0	0	8,325	3,897	7,532	1.93
Mbeya	0	0	0	0	0	0	0	0	23,966	9,274	13,119	1.41
Singida	0	0	0	0	0	0	0	0	1,782	3,235	1,399	0.43
Tabora	0	0	0	0	0	0	0	0	42,256	22,387	28,947	1.29
Rukwa	0	0	0	0	0	0	0	0	35,643	22,534	50,149	2.23
Kigoma	0	0	0	0	0	0	0	0	112,201	51,842	91,413	1.76
Shinyanga	0	0	0	0	0	0	0	0	31,919	18,233	23,229	1.27
Kagera	102	17	30	1.80	0	0	0	0	158,543	45,788	114,644	2.50
Mwanza	0	0	0	0	0	0	0	0	186,445	106,241	164,999	1.55
Mara	0	0	0	0	0	0	0	0	128,383	96,281	177,408	1.84
Manyara	0	0	0	0	0	0	0	0	2,322	1,220	824	0.68
MAINLAND	**548**	**233**	**289**	**1.24**	**1,011**	**420**	**1,019**	**2.43**	1,194,870	630,472	1,115,283	1.77
North Unguja	0	0	0	0	309	42	56	1.33	22,480	7,262	16,676	2.30
South Unguja	0	0	0	0	1,216	295	292	0.99	14,933	4,248	10,647	2.51
Urban West	0	0	0	0	31	2	7	4.37	13,313	3,693	10,944	2.96
North Pemba	0	0	0	0	58	12	14	1.17	30,234	12,686	43,016	3.39
South Pemba	0	0	0	0	455	102	245	2.39	27,920	10,774	39,629	3.68
ZANZIBAR	**0**	**0**	**0**	0	**2,070**	**453**	**614**	**1.35**	108,879	38,663	120,911	3.13
NATIONAL	**548**	**233**	**289**	**1.24**	**3,081**	**874**	**1,633**	**1.87**	1,303,749	669,134	1,236,194	1.85

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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Sweet Potato				Irish potatoes				Yams			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	2,255	876	918	1.05	0	0	0	0	126	26	115	4.50
Arusha	1,645	441	1,328	3.01	3,229	1,380	3,996	2.90	0	0	0	0
Kilimanjaro	3,644	483	601	1.24	3,802	1,028	1,766	1.72	969	48	49	1.03
Tanga	5,583	1,108	1,743	1.57	36,296	10,970	16,593	1.51	84	34	4	0.11
Morogoro	12,575	5,094	16,284	3.20	2,111	657	1,712	2.61	53	10	12	1.19
Pwani	6,278	2,085	3,600	1.73	0	0	0	0	249	152	89	0.59
Dar es Salaam	8,157	3,392	7,172	2.11	68	15	4	0.29	169	143	109	0.76
Lindi	269	56	59	1.05	0	0	0	0	124	20	19	0.93
Mtwara	1,405	308	1,065	3.45	102	83	61	0.74	592	101	112	1.11
Ruvuma	18,579	3,990	7,488	1.88	914	342	328	0.96	263	229	146	0.64
Iringa	8,431	1,135	2,975	2.62	40,905	17,394	80,958	4.65	181	28	22	0.79
Mbeya	18,943	5,320	9,909	1.86	12,174	4,784	18,386	3.84	283	99	60	0.61
Singida	9,812	3,591	9,695	2.70	0	0	0	0	0	0	0	0
Tabora	52,772	18,613	33,323	1.79	323	156	103	0.66	515	110	252	2.29
Rukwa	13,713	5,438	13,967	2.57	1,498	422	1,010	2.39	225	46	0	0.00
Kigoma	14,059	2,527	4,641	1.84	359	39	192	4.89	270	8	23	2.89
Shinyanga	190,315	69,145	136,899	1.98	463	183	213	1.16	2,624	565	676	1.20
Kagera	126,844	17,070	41,156	2.41	5,797	626	1,392	2.22	20,079	1,987	2,703	1.36
Mwanza	179,181	50,736	90,134	1.78	371	262	299	1.14	607	227	544	2.40
Mara	64,200	18,127	44,578	2.46	1,163	223	812	3.64	1,033	270	491	1.82
Manyara	3,430	789	1,368	1.73	1,094	205	1,256	6.13	0	0	0	0
MAINLAND	**742,091**	**210,327**	**428,901**	**2.04**	**110,668**	**38,767**	**129,080**	**3.33**	**28,446**	**4,100**	**5,426**	**1.32**
North Unguja	9,980	2,677	5,021	1.88	51	6	14	2.26	5,595	1,193	1,730	1.45
South Unguja	5,716	1,955	5,415	2.77	91	26	22	0.84	5,626	957	1,840	1.92
Urban West	4,082	809	1,707	2.11	94	8	29	3.85	1,319	249	425	1.71
North Pemba	8,699	2,321	4,498	1.94	29	4	4	0.90	58	15	22	1.52
South Pemba	689	162	229	1.41	31	3	3	0.99	85	17	37	2.13
ZANZIBAR	**29,166**	**7,924**	**16,869**	**2.13**	**296**	**47**	**72**	**1.54**	**12,683**	**2,431**	**4,054**	**1.67**
NATIONAL	**771,257**	**218,251**	**445,770**	**2.04**	**110,965**	**38,814**	**129,152**	**3.33**	**40,814**	**6,335**	**9,442**	**1.49**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Coco Yam				Mung Bean				Beans			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	142	58	64	1.11	20,406	9,713	6,831	0.70
Arusha	0	0	0	0	342	178	945	5.31	116,844	50,726	51,661	1.02
Kilimanjaro	8,304	542	453	0.84	487	98	66	0.68	184,205	46,298	24,153	0.52
Tanga	915	265	143	0.54	892	356	306	0.86	148,331	70,735	67,147	0.95
Morogoro	1,471	602	435	0.72	1,295	1,079	811	0.75	35,194	15,469	9,408	0.61
Pwani	29	1	0	0.37	428	153	105	0.69	2,694	696	412	0.59
Dar es Salaam	0	0	0	0	80	10	32	3.13	0	0	0	0
Lindi	0	0	0	0	0	0	0	0	2,711	878	401	0.46
Mtwara	0	0	0	0	0	0	0	0	4,247	1,329	681	0.51
Ruvuma	4,035	525	515	0.98	554	136	75	0.55	83,194	38,407	26,502	0.69
Iringa	562	124	176	1.41	1,025	294	710	2.42	161,209	56,152	37,518	0.67
Mbeya	9,647	1,154	1,354	1.17	2,314	753	2,870	3.81	245,113	86,326	58,280	0.68
Singida	0	0	0	0	0	0	0	0	14,084	6,420	8,965	1.40
Tabora	0	0	0	0	460	296	174	0.59	27,238	9,797	5,923	0.60
Rukwa	224	81	52	0.64	0	0	0	0	61,402	38,146	27,662	0.73
Kigoma	921	151	132	0.87	5,974	2,352	1,147	0.49	182,849	58,910	38,678	0.66
Shinyanga	119	24	15	0.64	100	20	25	1.24	47,865	21,075	17,367	0.82
Kagera	61,634	6,595	5,967	0.90	1,628	291	321	1.10	440,089	139,594	107,463	0.77
Mwanza	94	38	8	0.20	590	85	351	4.13	100,453	31,238	17,181	0.55
Mara	0	0	0	0	775	328	1,083	3.30	50,612	13,715	20,160	1.47
Manyara	0	0	0	0	1,290	1,731	757	0.44	97,179	54,064	44,350	0.82
MAINLAND	**87,953**	**10,103**	**9,250**	**0.92**	**18,376**	**8,219**	**9,844**	**1.20**	**2,025,919**	**749,685**	**570,745**	**0.76**
North Unguja	1,179	201	165	0.82	0	0	0	0	309	71	21	0.29
South Unguja	1,926	357	303	0.85	0	0	0	0	47	5	1	0.23
Urban West	848	115	119	1.03	0	0	0	0	0	0	0	0
North Pemba	435	55	87	1.57	0	0	0	0	26	5	2	0.30
South Pemba	654	109	113	1.04	0	0	0	0	0	0	0	0
ZANZIBAR	**5,041**	**838**	**786**	**0.94**	**0**	**0**	**0**	0	**381**	**81**	**24**	**0.29**
NATIONAL	**92,995**	**10,941**	**10,036**	**0.92**	**18,376**	**8,219**	**9,844**	**1.20**	**2,026,300**	**749,766**	**570,769**	**0.76**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Cowpeas				Green gram				Chick peas			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	13,941	6,397	2,051	0.32	1,353	805	187	0.23	0	0	0	0
Arusha	6,924	2,691	1,248	0.46	8,686	4,071	2,289	0.56	4,493	2,368	1,712	0.72
Kilimanjaro	11,787	2,354	424	0.18	3,570	683	192	0.28	0	0	0	0
Tanga	29,584	13,340	5,033	0.38	6,702	2,171	1,249	0.58	130	105	0	0.00
Morogoro	17,672	5,554	3,264	0.59	2,311	801	463	0.58	140	28	14	0.49
Pwani	45,501	12,614	4,039	0.32	3,126	951	384	0.40	0	0	0	0
Dar es Salaam	9,805	1,468	430	0.29	224	27	38	1.41	0	0	0	0
Lindi	18,112	5,888	3,413	0.58	455	67	38	0.56	0	0	0	0
Mtwara	42,172	9,936	4,770	0.48	12,277	2,974	2,171	0.73	574	105	49	0.47
Ruvuma	18,691	3,644	1,305	0.36	790	116	41	0.35	0	0	0	0
Iringa	24,146	6,147	3,037	0.49	139	28	70	2.50	0	0	0	0
Mbeya	1,817	478	364	0.76	125	13	5	0.40	0	0	0	0
Singida	5,069	1,264	555	0.44	2,171	1,527	1,589	1.04	4,168	5,949	3,270	0.55
Tabora	8,673	2,689	1,320	0.49	6,601	3,145	6,772	2.15	2,195	1,279	741	0.58
Rukwa	2,185	221	92	0.41	0	0	0	0	0	0	0	0
Kigoma	2,417	483	244	0.51	399	109	107	0.98	0	0	0	0
Shinyanga	21,317	6,345	4,054	0.64	21,762	6,907	6,033	0.87	14,486	22,112	11,496	0.52
Kagera	2,314	308	160	0.52	408	64	48	0.75	102	83	36	0.43
Mwanza	33,137	4,540	2,320	0.51	39,284	9,062	8,050	0.89	15,993	26,552	14,911	0.56
Mara	2,142	584	594	1.02	1,071	227	281	1.24	666	625	514	0.82
Manyara	2,588	1,511	645	0.43	1,629	1,662	476	0.29	3,901	4,000	3,413	0.85
MAINLAND	**319,994**	**88,455**	**39,362**	**0.44**	**113,082**	**35,407**	**30,485**	**0.86**	**46,849**	**63,207**	**36,156**	**0.57**
North Unguja	2,392	417	158	0.38	2,023	416	273	0.66	0	0	0	0
South Unguja	391	63	25	0.40	1,046	131	77	0.59	0	0	0	0
Urban West	345	103	59	0.57	63	6	1	0.10	0	0	0	0
North Pemba	1,807	434	263	0.60	205	48	99	2.04	0	0	0	0
South Pemba	1,993	477	253	0.53	58	7	20	3.00	0	0	0	0
ZANZIBAR	**6,928**	**1,494**	**758**	**0.51**	**3,395**	**609**	**470**	**0.77**	**0**	**0**	**0**	0
NATIONAL	**326,923**	**89,949**	**40,120**	**0.45**	**116,476**	**36,016**	**30,954**	**0.86**	**46,849**	**63,207**	**36,156**	**0.57**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Bambaranuts				Field Peas				Sunflower			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	23,594	7,381	3,517	0.48	410	527	73	0.14	108,705	83,385	56,068	0.67
Arusha	0	0	0	0	119	48	5	0.10	7,925	2,217	1,187	0.54
Kilimanjaro	0	0	0	0	1,316	89	38	0.42	32,618	6,521	2,590	0.40
Tanga	232	24	94	3.99	232	56	85	1.50	1,062	850	337	0.40
Morogoro	1,086	239	107	0.45	3,210	614	501	0.82	7,026	5,260	3,103	0.59
Pwani	0	0	0	0	111	22	22	0.99	480	143	81	0.57
Dar es Salaam	37	4	1	0.35	0	0	0	0	68	8	7	0.82
Lindi	3,362	971	376	0.39	188	87	8	0.09	188	59	15	0.26
Mtwara	44,991	11,439	6,157	0.54	0	0	0	0	0	0	0	0
Ruvuma	11,066	1,881	929	0.49	1,183	252	166	0.66	11,003	4,367	2,841	0.65
Iringa	1,997	608	451	0.74	25,050	8,118	5,723	0.70	77,795	32,270	21,161	0.66
Mbeya	4,171	837	956	1.14	9,670	2,357	1,387	0.59	33,399	14,963	10,131	0.68
Singida	3,780	1,401	1,776	1.27	0	0	0	0	89,975	99,154	68,297	0.69
Tabora	28,518	8,135	7,666	0.94	197	60	89	1.50	28,153	15,415	11,802	0.77
Rukwa	236	33	30	0.90	424	337	313	0.93	48,463	36,774	27,425	0.75
Kigoma	625	116	119	1.03	350	55	17	0.31	798	211	265	1.26
Shinyanga	10,869	4,215	4,964	1.18	0	0	0	0	9,643	5,447	3,290	0.60
Kagera	13,671	1,734	822	0.47	11,982	1,876	849	0.45	170	16	28	1.69
Mwanza	6,088	943	654	0.69	0	0	0	0	202	820	486	0.59
Mara	1,006	145	182	1.26	226	98	111	1.14	511	526	306	0.58
Manyara	623	310	373	1.20	628	624	119	0.19	40,144	39,074	29,244	0.75
MAINLAND	**155,953**	**40,416**	**29,174**	**0.72**	**55,296**	**15,220**	**9,505**	**0.62**	**498,328**	**347,478**	**238,663**	**0.69**
North Unguja	25	10	3	0.32	0	0	0	0	0	0	0	0
South Unguja	0	0	0	0	0	0	0	0	0	0	0	0
Urban West	31	6	6	0.99	0	0	0	0	0	0	0	0
North Pemba	58	9	8	0.89	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**115**	**26**	**17**	**0.68**	**0**	**0**	**0**	0	**0**	**0**	**0**	**0**
NATIONAL	**156,068**	**40,441**	**29,191**	**0.72**	**55,296**	**15,220**	**9,505**	**0.62**	**498,328**	**347,478**	**238,663**	**0.69**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Simsim				Groundnut				Soya Beans			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	36,578	26,617	9,388	0.35	123,790	79,024	44,906	0.57	142	58	43	0.74
Arusha	143	376	300	0.80	122	12	5	0.40	1,075	206	153	0.75
Kilimanjaro	195	15	0	0.01	7,963	1,587	406	0.26	0	0	0	0
Tanga	7,114	4,807	1,538	0.32	7,558	1,984	1,859	0.94	0	0	0	0
Morogoro	35,313	17,594	6,671	0.38	6,332	2,478	1,168	0.47	0	0	0	0
Pwani	15,474	9,089	2,866	0.32	623	194	84	0.43	0	0	0	0
Dar es Salaam	153	98	13	0.13	2,412	525	163	0.31	0	0	0	0
Lindi	48,908	23,259	11,010	0.47	6,318	2,418	1,256	0.52	0	0	0	0
Mtwara	23,739	9,621	4,354	0.45	75,272	28,258	18,309	0.65	0	0	0	0
Ruvuma	25,642	11,716	4,652	0.40	34,829	11,231	7,561	0.67	13,264	6,345	4,311	0.68
Iringa	1,757	1,044	425	0.41	16,662	7,660	5,928	0.77	0	0	0	0
Mbeya	16,416	18,453	9,842	0.53	104,418	33,412	20,897	0.63	929	160	37	0.23
Singida	6,996	5,498	2,789	0.51	30,892	15,376	9,614	0.63	0	0	0	0
Tabora	2,050	1,420	551	0.39	179,945	97,089	91,162	0.94	197	80	71	0.89
Rukwa	4,796	6,647	3,194	0.48	62,283	34,248	30,042	0.88	0	0	0	0
Kigoma	0	0	0	0	43,131	13,524	9,832	0.73	0	0	0	0
Shinyanga	2,905	1,453	535	0.37	188,726	105,754	72,861	0.69	163	264	171	0.65
Kagera	204	25	18	0.72	82,980	14,904	11,004	0.74	646	75	19	0.25
Mwanza	1,246	219	72	0.33	55,849	18,328	10,885	0.59	414	156	334	2.15
Mara	508	175	43	0.25	4,930	1,343	1,511	1.13	505	119	220	1.84
Manyara	2,225	1,784	843	0.47	2,116	1,247	1,319	1.06	75	60	30	0.49
MAINLAND	**232,360**	**139,910**	**59,103**	**0.42**	**1,037,149**	**470,597**	**340,773**	**0.72**	**17,409**	**7,522**	**5,390**	**0.72**
North Unguja	0	0	0	0	527	116	92	0.80	0	0	0	0
South Unguja	0	0	0	0	168	67	29	0.44	0	0	0	0
Urban West	0	0	0	0	440	84	91	1.09	0	0	0	0
North Pemba	0	0	0	0	285	42	38	0.90	0	0	0	0
South Pemba	0	0	0	0	1,413	390	435	1.11	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	**0**	**2,833**	**699**	**685**	**0.98**	**0**	**0**	**0**	**0**
NATIONAL	**232,360**	**139,910**	**59,103**	**0.42**	**1,039,983**	**471,296**	**341,459**	**0.72**	**17,409**	**7,522**	**5,390**	**0.72**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Castor Fung				Okra				Radish			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	1,240	534	402	0.75	507	599	661	1.10
Arusha	0	0	0	0	648	150	94	0.63	472	122	110	0.90
Kilimanjaro	0	0	0	0	1,306	312	1,367	4.39	63	25	16	0.62
Tanga	0	0	0	0	1,944	537	1,172	2.18	140	28	43	1.51
Morogoro	0	0	0	0	2,203	609	681	1.12	18	2	5	2.96
Pwani	0	0	0	0	3,834	874	1,349	1.54	0	0	0	0
Dar es Salaam	0	0	0	0	4,941	1,372	2,664	1.94	0	0	0	0
Lindi	0	0	0	0	479	110	416	3.78	74	16	21	1.33
Mtwara	0	0	0	0	1,114	328	223	0.68	0	0	0	0
Ruvuma	81	33	0	0.00	405	95	76	0.80	161	73	58	0.79
Iringa	0	0	0	0	913	258	332	1.29	383	112	35	0.31
Mbeya	0	0	0	0	767	236	381	1.61	0	0	0	0
Singida	0	0	0	0	543	1,329	644	0.48	0	0	0	0
Tabora	56	45	27	0.59	40	1	1	0.99	40	4	2	0.60
Rukwa	0	0	0	0	674	818	847	1.04	0	0	0	0
Kigoma	0	0	0	0	643	168	120	0.72	333	114	55	0.48
Shinyanga	349	222	143	0.64	1,355	758	681	0.90	0	0	0	0
Kagera	0	0	0	0	781	157	156	0.99	0	0	0	0
Mwanza	499	77	54	0.71	1,388	197	525	2.67	256	129	320	2.47
Mara	0	0	0	0	601	381	523	1.37	237	146	271	1.85
Manyara	0	0	0	0	617	386	308	0.80	0	0	0	0
MAINLAND	**985**	**377**	**224**	**0.59**	**26,435**	**9,609**	**12,963**	**1.35**	**2,683**	**1,370**	**1,596**	**1.16**
North Unguja	0	0	0	0	985	222	300	1.35	189	52	15	0.30
South Unguja	0	0	0	0	742	57	66	1.16	91	28	17	0.63
Urban West	0	0	0	0	785	91	111	1.21	0	0	0	0
North Pemba	0	0	0	0	29	2	0	0.06	0	0	0	0
South Pemba	0	0	0	0	27	1	0	0.30	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	0	**2,568**	**373**	**477**	**1.28**	**280**	**79**	**33**	**0.41**
NATIONAL	**985**	**377**	**224**	**0.59**	**29,003**	**9,982**	**13,440**	**1.35**	**2,963**	**1,450**	**1,629**	**1.12**
Cont…..												

Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Turmeric				Bitter Aubergine				Kothmir			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	222	180	89	0.49	702	403	562	1.40	0	0	0	0
Arusha	241	127	27	0.21	1,218	263	751	2.85	0	0	0	0
Kilimanjaro	63	6	4	0.69	714	124	422	3.42	0	0	0	0
Tanga	0	0	0	0	3,205	473	1,116	2.36	0	0	0	0
Morogoro	0	0	0	0	2,264	493	2,308	4.69	0	0	0	0
Pwani	58	23	17	0.74	479	71	188	2.67	0	0	0	0
Dar es Salaam	42	9	2	0.25	392	59	250	4.20	0	0	0	0
Lindi	29	9	6	0.62	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	141	17	62	3.58	0	0	0	0
Iringa	199	298	487	1.63	546	114	1,311	11.54	0	0	0	0
Mbeya	0	0	0	0	0	0	0	0	0	0	0	0
Singida	216	175	130	0.74	180	36	65	1.78	0	0	0	0
Tabora	0	0	0	0	395	52	167	3.20	0	0	0	0
Rukwa	0	0	0	0	283	33	180	5.49	0	0	0	0
Kigoma	0	0	0	0	701	144	417	2.90	0	0	0	0
Shinyanga	413	175	245	1.40	270	27	270	9.88	0	0	0	0
Kagera	0	0	0	0	11,781	671	1,965	2.93	0	0	0	0
Mwanza	94	38	23	0.59	1,099	152	1,276	8.41	0	0	0	0
Mara	0	0	0	0	97	20	39	1.98	0	0	0	0
Manyara	0	0	0	0	0	0	0	0	0	0	0	0
MAINLAND	**1,577**	**1,040**	**1,029**	**0.99**	**24,468**	**3,151**	**11,351**	**3.60**	**0**	**0**	**0**	0
North Unguja	536	123	64	0.52	330	40	81	2.02	0	0	0	0
South Unguja	30	6	11	1.73	290	68	507	7.41	0	0	0	0
Urban West	31	6	2	0.25	251	20	121	5.96	31	2	2	1.14
North Pemba	77	31	0	0.00	0	0	0	0	0	0	0	0
South Pemba	111	24	62	2.62	0	0	0	0	0	0	0	0
ZANZIBAR	**786**	**191**	**139**	**0.73**	**871**	**129**	**709**	**5.51**	**31**	**2**	**2**	**1.14**
NATIONAL	**2,362**	**1,230**	**1,167**	**0.95**	**25,339**	**3,280**	**12,060**	**3.68**	**31**	**2**	**2**	**1.14**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Onion				Ginger				Zukkin			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	1,158	445	2,028	4.55	0	0	0	0	0	0	0	0
Arusha	2,513	754	1,925	2.55	0	0	0	0	0	0	0	0
Kilimanjaro	2,239	497	1,231	2.48	2,516	809	2,488	3.08	0	0	0	0
Tanga	1,580	251	790	3.15	1,105	452	1,197	2.65	0	0	0	0
Morogoro	2,153	439	1,706	3.88	88	36	18	0.49	0	0	0	0
Pwani	190	25	44	1.76	0	0	0	0	0	0	0	0
Dar es Salaam	136	22	14	0.62	0	0	0	0	0	0	0	0
Lindi	1,396	367	929	2.53	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	3,718	650	2,012	3.09	175	71	205	2.90	0	0	0	0
Iringa	2,678	737	3,267	4.43	72	7	4	0.59	0	0	0	0
Mbeya	3,417	907	1,456	1.61	284	57	459	8.00	0	0	0	0
Singida	3,455	1,564	2,760	1.76	0	0	0	0	0	0	0	0
Tabora	1,342	365	1,299	3.56	126	102	66	0.65	0	0	0	0
Rukwa	1,730	452	1,516	3.35	0	0	0	0	0	0	0	0
Kigoma	333	11	73	6.93	0	0	0	0	0	0	0	0
Shinyanga	1,191	313	859	2.74	412	83	137	1.64	0	0	0	0
Kagera	2,165	171	665	3.88	184	8	5	0.62	0	0	0	0
Mwanza	1,654	354	672	1.90	0	0	0	0	0	0	0	0
Mara	1,388	206	743	3.61	97	24	5	0.20	0	0	0	0
Manyara	809	244	658	2.70	0	0	0	0	0	0	0	0
MAINLAND	**35,245**	**8,776**	**24,646**	**2.81**	**5,058**	**1,648**	**4,585**	**2.78**	**0**	**0**	**0**	0
North Unguja	0	0	0	0	0	0	0	0	25	5	5	0.99
South Unguja	0	0	0	0	0	0	0	0	30	12	8	0.67
Urban West	63	6	10	1.53	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**63**	**6**	**10**	**1.53**	**0**	**0**	**0**	0	**56**	**17**	**13**	**0.76**
NATIONAL	**35,308**	**8,782**	**24,655**	**2.81**	**5,058**	**1,648**	**4,585**	**2.78**	**56**	**17**	**13**	**0.76**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Zukkin				Star Fruit				Cabbage			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	222	13	44	3.29
Arusha	0	0	0	0	0	0	0	0	2,396	434	4,649	10.72
Kilimanjaro	0	0	0	0	0	0	0	0	1,456	213	1,489	6.98
Tanga	0	0	0	0	0	0	0	0	4,516	964	9,523	9.88
Morogoro	0	0	0	0	0	0	0	0	1,819	310	1,422	4.59
Pwani	0	0	0	0	0	0	0	0	103	7	190	25.80
Dar es Salaam	0	0	0	0	0	0	0	0	85	8	83	10.79
Lindi	0	0	0	0	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0	2,937	305	904	2.97
Iringa	0	0	0	0	0	0	0	0	4,783	790	7,222	9.15
Mbeya	0	0	0	0	0	0	0	0	1,869	383	1,731	4.52
Singida	0	0	0	0	0	0	0	0	167	42	866	20.47
Tabora	0	0	0	0	0	0	0	0	704	152	1,350	8.90
Rukwa	0	0	0	0	0	0	0	0	1,381	130	1,072	8.27
Kigoma	0	0	0	0	0	0	0	0	782	81	2,101	25.81
Shinyanga	0	0	0	0	0	0	0	0	1,054	120	1,815	15.15
Kagera	0	0	0	0	0	0	0	0	12,338	1,094	5,690	5.20
Mwanza	0	0	0	0	0	0	0	0	1,906	298	2,174	7.30
Mara	0	0	0	0	0	0	0	0	1,517	323	1,680	5.19
Manyara	0	0	0	0	0	0	0	0	474	72	2,383	32.98
MAINLAND	**0**	**0**	**0**	0	**0**	**0**	**0**	0	**40,508**	**5,738**	**46,389**	**8.08**
North Unguja	25	5	5	0.99	0	0	0	0	0	0	0	0
South Unguja	30	12	8	0.67	16	1	0	0.06	77	11	4	0.32
Urban West	0	0	0	0	0	0	0	0	31	3	19	5.93
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**56**	**17**	**13**	**0.76**	**16**	**1**	**0**	**0.06**	**108**	**14**	**22**	**1.59**
NATIONAL	**56**	**17**	**13**	**0.76**	**16**	**1**	**0**	**0.06**	**40,617**	**5,752**	**46,412**	**0**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Tomatoes				Spinach				Carrot			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	3,484	1,034	11,249	10.87	1,487	129	960	7.45	0	0	0	0
Arusha	4,606	1,351	18,866	13.97	1,636	173	566	3.26	1,029	176	993	5.65
Kilimanjaro	7,393	1,245	17,557	14.11	2,549	322	387	1.20	798	122	634	5.18
Tanga	12,725	2,326	44,804	19.26	1,183	123	558	4.55	232	24	46	1.98
Morogoro	7,280	2,442	14,381	5.89	833	72	376	5.25	822	190	1,453	7.66
Pwani	2,692	727	6,401	8.80	518	61	272	4.45	45	5	88	19.33
Dar es Salaam	1,259	214	673	3.14	1,035	121	670	5.52	0	0	0	0
Lindi	1,629	395	3,507	8.87	0	0	0	0	0	0	0	0
Mtwara	3,845	962	6,378	6.63	181	25	5	0.22	0	0	0	0
Ruvuma	7,163	1,111	13,372	12.04	7,496	849	1,884	2.22	207	84	10	0.12
Iringa	7,288	2,223	32,132	14.45	3,748	529	3,454	6.52	132	13	123	9.24
Mbeya	8,355	1,786	19,191	10.75	1,834	226	1,151	5.10	428	78	792	10.21
Singida	749	112	2,596	23.13	56	6	22	3.95	0	0	0	0
Tabora	5,476	976	9,721	9.96	0	0	0	0	40	2	4	2.22
Rukwa	4,139	791	17,941	22.68	1,571	319	628	1.97	189	29	139	4.86
Kigoma	4,468	1,047	17,950	17.15	0	0	0	0	0	0	0	0
Shinyanga	4,635	921	14,093	15.31	335	44	59	1.33	0	0	0	0
Kagera	23,548	2,386	18,246	7.65	435	76	88	1.16	357	21	20	0.93
Mwanza	11,329	2,235	24,232	10.84	1,895	213	1,158	5.44	53	5	16	2.96
Mara	5,418	983	20,914	21.29	157	16	26	1.63	280	57	216	3.80
Manyara	887	125	782	6.27	729	69	96	1.40	158	3	3	0.89
MAINLAND	**128,370**	**25,391**	**314,986**	**12.41**	**27,679**	**3,372**	**12,359**	**3.67**	**4,768**	**807**	**4,537**	**5.62**
North Unguja	1,985	313	1,009	3.22	0	0	0	0	25	0	6	19.02
South Unguja	2,563	451	1,315	2.92	30	2	6	3.80	0	0	0	0
Urban West	1,287	185	1,017	5.48	0	0	0	0	31	3	10	3.26
North Pemba	822	126	1,375	10.89	55	7	92	13.96	0	0	0	0
South Pemba	660	144	1,426	9.87	0	0	0	0	0	0	0	0
ZANZIBAR	**7,317**	**1,221**	**6,141**	**5.03**	**85**	**8**	**98**	**11.98**	**57**	**3**	**16**	**4.66**
NATIONAL	**135,687**	**26,612**	**321,128**	**12.07**	**27,764**	**3,380**	**12,458**	**0**	**4,825**	**810**	**4,553**	**5.62**
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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Chillies				Amaranths				Pumpkins			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	253	16	51	3.09	444	40	94	2.33	0	0	0	0
Arusha	701	69	276	3.99	1,580	120	309	2.57	0	0	0	0
Kilimanjaro	2,843	345	1,322	3.84	3,226	520	591	1.14	212	21	25	1.19
Tanga	2,438	431	1,923	4.46	1,350	217	844	3.89	262	14	420	30.94
Morogoro	1,504	308	916	2.97	1,349	216	538	2.50	1,537	238	1,100	4.62
Pwani	806	201	400	1.99	1,062	119	1,164	9.78	1,096	151	669	4.44
Dar es Salaam	1,272	168	568	3.38	2,577	356	2,175	6.11	1,326	126	420	3.32
Lindi	124	13	7	0.55	312	38	334	8.68	29	2	2	0.86
Mtwara	0	0	0	0	181	46	6	0.14	480	51	75	1.49
Ruvuma	367	181	430	2.37	2,288	217	1,412	6.52	369	39	76	1.95
Iringa	556	270	772	2.86	1,461	310	773	2.49	3,505	309	736	2.38
Mbeya	38	7	26	3.53	2,077	170	761	4.48	847	33	25	0.76
Singida	317	258	2,187	8.47	56	11	28	2.47	0	0	0	0
Tabora	236	23	10	0.43	807	112	195	1.73	334	56	26	0.47
Rukwa	141	6	11	1.77	843	194	1,925	9.93	0	0	0	0
Kigoma	174	46	97	2.10	749	131	612	4.68	212	26	42	1.65
Shinyanga	379	41	94	2.30	1,028	232	1,464	6.30	876	258	2,300	8.92
Kagera	4,470	333	183	0.55	8,817	615	841	1.37	5,210	300	1,113	3.72
Mwanza	1,892	322	891	2.77	2,480	149	1,101	7.36	251	33	32	0.96
Mara	247	30	46	1.53	157	58	112	1.91	320	32	427	13.20
Manyara	316	36	415	11.58	0	0	0	0	98	4	0	0.00
MAINLAND	**19,073**	**3,106**	**10,625**	**3.42**	**32,844**	**3,872**	**15,278**	**3.95**	**16,965**	**1,692**	**7,489**	**4.43**
North Unguja	108	6	27	4.79	737	89	132	1.49	915	134	633	4.74
South Unguja	539	55	61	1.11	681	61	215	3.55	1,844	310	2,974	9.59
Urban West	314	36	36	1.01	597	61	430	7.06	220	48	542	11.37
North Pemba	26	1	1	0.38	344	34	246	7.15	55	8	46	6.06
South Pemba	0	0	0	0	169	26	235	9.18	62	7	248	34.67
ZANZIBAR	**987**	**98**	**125**	**1.28**	**2,528**	**271**	**1,258**	**4.65**	**3,095**	**506**	**4,443**	**8.78**
NATIONAL	**20,060**	**3,204**	**10,750**	**3.35**	**35,371**	**4,142**	**16,536**	**3.99**	**20,060**	**2,199**	**11,932**	**5.43**

Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Cucumber				Egg Plant				Water Mellon			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	126	13	126	9.88
Arusha	488	272	1,464	5.39	207	75	519	6.89	0	0	0	0
Kilimanjaro	1,080	158	525	3.32	260	38	3	0.09	263	89	152	1.71
Tanga	0	0	0	0	353	30	113	3.79	213	44	315	7.22
Morogoro	193	37	186	4.99	644	60	85	1.41	373	161	691	4.29
Pwani	1,238	246	597	2.42	148	22	178	8.16	1,137	647	3,841	5.93
Dar es Salaam	1,089	336	1,182	3.52	629	98	338	3.45	1,522	718	4,381	6.10
Lindi	94	8	24	2.94	94	10	9	0.91	0	0	0	0
Mtwara	611	170	65	0.38	344	47	406	8.71	153	15	37	2.37
Ruvuma	0	0	0	0	30	1	24	24.70	0	0	0	0
Iringa	278	59	200	3.39	0	0	0	0	0	0	0	0
Mbeya	0	0	0	0	0	0	0	0	126	26	505	19.76
Singida	0	0	0	0	0	0	0	0	0	0	0	0
Tabora	79	7	52	7.18	0	0	0	0	198	72	368	5.10
Rukwa	0	0	0	0	0	0	0	0	0	0	0	0
Kigoma	116	18	75	4.28	0	0	0	0	436	113	1,405	12.43
Shinyanga	314	59	550	9.28	129	4	252	59.99	675	301	1,735	5.77
Kagera	1,707	126	181	1.43	495	40	65	1.64	249	25	339	13.43
Mwanza	305	33	79	2.41	92	19	124	6.67	370	59	667	11.32
Mara	633	63	168	2.64	334	76	244	3.20	1,145	782	2,835	3.63
Manyara	0	0	0	0	0	0	0	0	158	16	79	4.94
MAINLAND	**8,224**	**1,593**	**5,346**	**3.36**	**3,761**	**520**	**2,361**	**4.54**	**7,143**	**3,080**	**17,475**	**5.67**
North Unguja	464	90	152	1.69	1,487	216	821	3.79	76	26	77	2.96
South Unguja	525	86	317	3.70	1,815	273	1,898	6.95	91	23	49	2.10
Urban West	471	94	317	3.39	911	157	967	6.17	63	6	38	5.93
North Pemba	77	13	31	2.48	315	23	232	10.19	0	0	0	0
South Pemba	27	4	2	0.49	142	13	242	18.08	31	4	40	11.07
ZANZIBAR	**1,564**	**286**	**819**	**2.87**	**4,669**	**683**	**4,160**	**6.10**	**261**	**59**	**204**	**3.44**
NATIONAL	**9,788**	**1,878**	**6,165**	**3.28**	**8,431**	**1,202**	**6,521**	**5.42**	**7,404**	**3,139**	**17,679**	**5.63**

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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Cotton				Tobacco				Pyrethrum			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0	0	0	0	0
Arusha	119	145	217	1.50	151	80	93	1.16	0	0	0	0
Kilimanjaro	0	0	0	0	277	31	18	0.58	0	0	0	0
Tanga	130	53	79	1.50	316	128	58	0.46	281	823	35	0.04
Morogoro	88	36	44	1.24	977	311	108	0.35	0	0	0	0
Pwani	332	314	108	0.35	0	0	0	0	0	0	0	0
Dar es Salaam	0	0	0	0	0	0	0	0	0	0	0	0
Lindi	94	46	9	0.21	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	232	118	35	0.30	0	0	0	0
Ruvuma	81	16	10	0.59	5,832	4,183	4,192	1.00	0	0	0	0
Iringa	0	0	0	0	328	75	59	0.79	2,696	1,031	610	0.59
Mbeya	79	16	2	0.15	5,983	6,328	6,646	1.05	5,719	1,575	688	0.44
Singida	2,185	2,122	1,603	0.76	1,929	2,303	2,279	0.99	0	0	0	0
Tabora	25,514	57,901	40,504	0.70	33,987	31,431	36,056	1.15	126	102	377	3.71
Rukwa	675	365	437	1.20	11,339	9,572	10,661	1.11	0	0	0	0
Kigoma	373	378	149	0.40	3,021	1,950	1,988	1.02	0	0	0	0
Shinyanga	235,946	378,666	307,077	0.81	6,269	5,949	6,402	1.08	0	0	0	0
Kagera	8,326	6,856	6,473	0.94	822	336	363	1.08	0	0	0	0
Mwanza	108,405	108,329	94,725	0.87	869	589	372	0.63	0	0	0	0
Mara	21,151	18,634	19,257	1.03	2,253	1,167	1,177	1.01	0	0	0	0
Manyara	632	959	1,438	1.50	207	23	21	0.91	0	0	0	0
MAINLAND	**404,131**	**574,836**	**472,133**	**0.82**	**74,791**	**64,572**	**70,527**	**1.09**	**8,821**	**3,531**	**1,710**	**0.48**
North Unguja	0	0	0	0	0	0	0	0	0	0	0	0
South Unguja	0	0	0	0	0	0	0	0	0	0	0	0
Urban West	0	0	0	0	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0	0	0	0	0
ZANZIBAR	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
NATIONAL	**404,131**	**574,836**	**472,133**	**0.82**	**74,791**	**64,572**	**70,527**	**1.09**	**8,821**	**3,531**	**1,710**	**0.48**

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Cont. Table 5.8 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

Region	Malay				Jute			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Dodoma	0	0	0	0	0	0	0	0
Arusha	71	29	11	0.40	0	0	0	0
Kilimanjaro	0	0	0	0	0	0	0	0
Tanga	0	0	0	0	0	0	0	0
Morogoro	0	0	0	0	0	0	0	0
Pwani	0	0	0	0	45	18	64	3.50
Dar es Salaam	0	0	0	0	37	2	4	2.47
Lindi	0	0	0	0	0	0	0	0
Mtwara	0	0	0	0	0	0	0	0
Ruvuma	0	0	0	0	0	0	0	0
Iringa	0	0	0	0	0	0	0	0
Mbeya	0	0	0	0	0	0	0	0
Singida	0	0	0	0	0	0	0	0
Tabora	0	0	0	0	0	0	0	0
Rukwa	0	0	0	0	0	0	0	0
Kigoma	0	0	0	0	0	0	0	0
Shinyanga	0	0	0	0	0	0	0	0
Kagera	0	0	0	0	0	0	0	0
Mwanza	0	0	0	0	0	0	0	0
Mara	0	0	0	0	0	0	0	0
Manyara	0	0	0	0	0	0	0	0
MAINLAND	71	29	11	0.40	**82**	**20**	**68**	**3.42**
North Unguja	0	0	0	0	0	0	0	0
South Unguja	0	0	0	0	0	0	0	0
Urban West	0	0	0	0	0	0	0	0
North Pemba	0	0	0	0	0	0	0	0
South Pemba	0	0	0	0	0	0	0	0
ZANZIBAR	0	0	0	0	**0**	**0**	**0**	**0**
NATIONAL	71	29	11	0.40	**82**	**20**	**68**	**3.42**

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5.9 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Crop Growing Households and Area Planted (ha) by Season and Region

Region	Short Rainy Season		Long Rainy Season		Total area planted (hectare)	% Area planted in short rainy season
	Number of Household	Planted Area (hectare)	Number of Household	Planted Area (hectare)		
Dodoma	364	814	357,968	747,096	747,910	0.11
Arusha	44,381	33,997	150,275	166,983	200,979	16.92
Kilimanjaro	139,948	78,839	152,220	101,347	180,186	43.75
Tanga	207,455	178,554	238,161	258,205	436,760	40.88
Morogoro	182,663	236,848	193,658	238,487	475,335	49.83
Pwani	84,527	59,671	89,906	82,908	142,579	41.85
Dar es Salaam	13,469	6,292	22,139	13,282	19,574	32.14
Lindi	2,366	1,294	159,430	166,663	167,957	0.77
Mtwara	735	666	216,131	184,795	185,461	0.36
Ruvuma	432	501	201,568	300,972	301,472	0.17
Iringa	1,388	1,116	303,718	418,750	419,866	0.27
Mbeya	97,639	52,573	431,213	515,810	568,383	9.25
Singida	0	.	215,908	464,584	464,584	.
Tabora	393	601	287,648	688,324	688,925	0.09
Rukwa	2,521	3,050	216,005	426,358	429,408	0.71
Kigoma	183,006	150,530	76,540	43,362	193,892	77.64
Shinyanga	7,487	18,864	478,170	1,425,384	1,444,248	1.31
Kagera	370,296	245,193	191,349	83,795	328,989	74.53
Mwanza	347,861	512,358	156,839	153,512	665,870	76.95
Mara	168,765	170,217	137,108	127,258	297,475	57.22
Manyara	14,536	11,175	186,427	385,285	396,459	2.82
Mainland	**1,870,233**	**1,763,152**	**4,462,382**	**6,993,162**	**8,756,314**	**20.14**
North Unguja	14,264	5,724	20,359	9,321	15,044	38.05
South Unguja	11,609	4,328	7,642	3,500	7,828	55.29
Urban West	5,840	1,734	7,944	2,825	4,558	38.03
North Pemba	6,894	2,060	27,540	11,350	13,409	15.36
South Pemba	2,913	960	24,878	10,658	11,617	8.26
Zanzibar	**41,520**	**14,805**	**88,364**	**37,653**	**52,457**	**28.22**
National	**1,911,753**	**1,777,956**	**4,550,745**	**7,030,815**	**8,808,771**	**20.18**

5.10 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Number of crop growing Households Planting Crops by Season and Region

Region	Short Rainy Season		Long Rainy Season		Total Number of Crop Growing households
	Number of households Growing Crops	Number of households NOT Growing Crops	Number of households Growing Crops	Number of households NOT Growing Crops	
Dodoma	364	358,142	357,968	538	358,506
Arusha	44,381	129,291	150,275	23,398	173,673
Kilimanjaro	139,948	101,060	152,220	88,788	241,008
Tanga	207,455	119,960	238,161	89,254	327,415
Morogoro	182,663	114,301	193,658	103,305	296,963
Pwani	84,527	88,165	89,906	82,787	172,692
Dar es Salaam	13,469	18,637	22,139	9,967	32,106
Lindi	2,366	164,453	159,430	7,389	166,819
Mtwara	735	248,321	216,131	32,926	249,056
Ruvuma	432	209,789	201,568	8,654	210,221
Iringa	1,388	304,963	303,718	2,633	306,351
Mbeya	97,639	355,727	431,213	22,153	453,366
Singida	0	216,169	215,908	261	216,169
Tabora	393	287,770	287,648	516	288,163
Rukwa	2,521	223,457	216,005	9,972	225,977
Kigoma	183,006	41,701	76,540	148,168	224,708
Shinyanga	7,487	477,202	478,170	6,519	484,689
Kagera	370,296	31,307	191,349	210,254	401,603
Mwanza	347,861	49,920	156,839	240,942	397,781
Mara	168,765	57,162	137,108	88,818	225,926
Manyara	14,536	178,752	186,427	6,861	193,288
Mainland	**1,870,233**	**3,776,250**	**4,462,382**	**1,184,101**	**5,646,483**
North Unguja	14,264	15,810	20,359	9,716	30,075
South Unguja	11,609	8,527	7,642	12,493	20,135
Urban West	5,840	11,681	7,944	9,577	17,521
North Pemba	6,894	25,778	27,540	5,132	32,672
South Pemba	2,913	27,037	24,878	5,072	29,950
Zanzibar	**41,520**	**88,833**	**88,364**	**41,989**	**130,353**
National	**1,911,753**	**3,865,083**	**4,550,745**	**1,226,090**	**5,776,836**

5.11 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households by Area Planted (ha) and crop for the agriculture year 2007/08 Short and Long Season - Mainland

	SHORT RAINY		LONG RAINY		SHORT & LONG SEASON	
Crop	Number of Household	Planted Area (hectare)	Number of Household	Planted Area (hectare)	Number of Household	Planted Area (hectare)
Maize	1,608,934	883,130	3,479,383	3,199,370	5,088,317	4,082,500
Paddy	237,002	200,775	853,416	679,333	1,090,417	880,108
Sorghum	144,478	69,058	662,327	497,670	806,805	566,728
Bulrush Millet	3,660	4,438	183,725	151,273	187,384	155,710
Finger Millet	24,892	8,655	131,263	60,174	156,155	68,829
Wheat	3,275	1,225	70,847	41,935	74,122	43,160
Barley	191	53	356	180	548	233
CEREALS		**1,167,333**		**4,629,936**		**5,797,269**
Sweet Potato	275,003	63,595	467,089	146,732	742,091	210,327
Irish potatoes	37,065	9,857	73,604	28,911	110,668	38,767
Yam	16,601	2,009	11,531	1,894	28,132	3,904
Coco Yam	59,319	6,596	28,634	3,507	87,953	10,103
ROOTS & TUBERS		**82,057**		**181,044**		**263,100**
Mung Bean	7,146	2,700	11,230	5,519	18,376	8,219
Beans	803,698	250,392	1,222,221	499,293	2,025,919	749,685
Cowpeas	105,034	28,328	214,960	60,127	319,994	88,455
Green gram	39,664	9,221	73,418	26,187	113,082	35,407
Chick peas	1,530	661	45,319	62,546	46,849	63,207
Bambaranuts	15,911	2,316	140,042	38,100	155,953	40,416
Field Peas	9,268	1,428	46,028	13,793	55,296	15,220
PULSES		**295,045**		**705,564**		**1,000,609**
Sunflower	15,827	6,913	482,501	340,565	498,328	347,478
Simsim	15,821	7,025	216,539	132,885	232,360	139,910
Groundnut	168,705	45,995	868,444	424,602	1,037,149	470,597
Soya Beans	1,576	427	15,833	7,095	17,409	7,522
Castor Fung	371	51	614	326	985	377
OIL SEEDS & OIL NUTS		**60,411**		**905,473**		**965,884**
Okra	11,783	2,898	14,652	6,711	26,435	9,609
Radish	985	368	1,698	1,002	2,683	1,370
Turmeric	162	86	1,415	954	1,577	1,040
Bitteer Aubergine	9,597	1,098	14,871	2,053	24,468	3,151
Onion	9,973	2,258	25,273	6,517	35,245	8,776
Ginger	3,174	1,046	1,884	602	5,058	1,648
Cabbage	16,199	2,370	24,310	3,368	40,508	5,738
Tomatoes	46,532	8,163	81,838	17,228	128,370	25,391
Spinach	6,935	705	20,743	2,667	27,679	3,372
Carrot	2,157	330	2,611	477	4,768	807
Chillies	10,035	1,434	9,038	1,672	19,073	3,106
Amaranths	15,895	1,729	16,949	2,143	32,844	3,872
Pumpkins	7,415	729	9,550	964	16,965	1,692
Cucumber	4,245	726	3,979	866	8,224	1,593
Egg Plant	1,633	277	2,128	242	3,761	520
Water Mellon	4,020	1,826	3,123	1,254	7,143	3,080
FRUITS & VEGETABLES		**26,044**		**48,721**		**74,765**
Cotton	124,625	123,766	279,506	451,070	404,131	574,836
Tobacco	6,894	3,812	67,897	60,760	74,791	64,572
Pyrethrum	1,273	548	7,548	2,983	8,821	3,531
Jute	37	2	45	18	82	20
Seaweed	517	237	495	183	1,011	420
CASH CROPS		**128,365**		**515,014**		**643,378**
Malay	-	.	71	29	71	29
Total		**1,763,152**		**6,993,162**		**8,756,314**

5.12 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households by Area Planted (ha) and crop for the agriculture year 2007/08 Short and Long Season - ZANZIBAR

	SHORT RAINY		LONG RAINY		SHORT & LONG SEASON	
Crop	Number of Household	Planted Area (hectare)	Number of Household	Planted Area (hectare)	Number of Household	Planted Area (hectare)
Maize	6,537	1,295	12,410	2,760	18,947	4,055
Paddy	8,776	3,125	62,857	23,475	71,633	26,600
Sorghum	1,951	414	6,775	1,508	8,726	1,922
Bulrush Millet	3,704	871	937	215	4,641	1,087
Finger Millet	-	.	29	18	29	18
Wheat	-	.	57	22	57	22
CEREALS		**5,706**		**27,998**		**33,704**
Cassava	176	37	534	168	709	206
Sweet Potato	12,241	3,100	16,924	4,824	29,166	7,924
Irish potatoes	114	11	183	36	296	47
Yams	9,150	1,757	3,533	674	12,683	2,431
Coco Yam	2,320	392	2,721	445	5,041	838
ROOTS & TUBERS		**5,297**		**6,148**		**11,445**
Beans	99	24	282	57	381	81
Cowpeas	4,283	1,052	2,646	443	6,928	1,494
Green gram	1,633	283	1,761	326	3,395	609
Chick peas	-	.	-	.	-	.
Bambaranuts	115	26	-	.	115	26
Field Peas	-	.	-	.	-	.
PULSES		**1,384**		**825**		**2,210**
Sunflower	-	.	-	.	-	.
Simsim	-	.	-	.	-	.
Groundnut	1,194	265	1,640	434	2,833	699
OIL SEEDS & OIL NUTS		**265**		**434**		**699**
Okra	1,125	121	1,444	252	2,568	373
Radish	92	32	188	47	280	79
Turmeric	372	59	413	131	786	191
Bitteer Aubergine	460	67	411	62	871	129
Kothmir	31	2	-	.	31	2
Onion	63	6	-	.	63	6
Zukkin	25	5	30	12	56	17
Star Fruit	16	1	-	.	16	1
Cabbage	92	12	16	2	108	14
Tomatoes	3,440	612	3,877	609	7,317	1,221
Spinach	56	7	29	1	85	8
Carrot	57	3	-	.	57	3
Chillies	531	48	455	50	987	98
Amaranths	1,713	177	814	94	2,528	271
Pumpkins	1,590	261	1,505	245	3,095	506
Cucumber	1,085	191	479	95	1,564	286
Egg Plant	2,368	343	2,301	340	4,669	683
Water Mellon	144	39	117	20	261	59
FRUITS & VEGETABLES		**1,987**		**1,960**		**3,946**
Cotton	-	.	-	.	-	.
Tobacco	-	.	-	.	-	.
Pyrethrum	-	.	-	.	-	.
Jute	-	.	-	.	-	.
Sea weed	762	166	1,308	287	2,070	453
CASH CROPS		**166**		**287**		**453**
Malay	-	.	-	.	-	.
Total		**14,805**		**37,653**		**52,457**

5.13 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households by Area Planted (ha) and crop for the agriculture year 2007/08 Short and Long Season - NATIONAL

Crop	SHORT RAINY		LONG RAINY		SHORT & LONG SEASON	
	Number of Household	Planted Area (hectare)	Number of Household	Planted Area (hectare)	Number of Household	Planted Area (hectare)
Maize	1,615,471	884,425	3,491,793	3,202,130	5,107,264	4,086,555
Paddy	245,777	203,900	916,273	702,808	1,162,050	906,708
Sorghum	146,429	69,472	669,102	499,178	815,531	568,650
Bulrush Millet	7,364	5,309	184,661	151,488	192,025	156,797
Finger Millet	24,892	8,655	131,292	60,192	156,184	68,847
Wheat	3,275	1,225	70,905	41,957	74,179	43,182
Barley	191	53	356	180	548	233
CEREALS		**1,173,039**		**4,657,934**		**5,830,972**
Sweet Potato	287,244	66,695	484,013	151,556	771,257	218,251
Irish potatoes	37,179	9,867	73,786	28,947	110,965	38,814
Yams	25,751	3,766	15,063	2,569	40,814	6,335
Coco Yam	61,639	6,988	31,355	3,952	92,995	10,941
ROOTS & TUBERS		**91,251**		**194,574**		**285,825**
Mung Bean	7,146	2,700	11,230	5,519	18,376	8,219
Beans	803,797	250,416	1,222,504	499,350	2,026,300	749,766
Cowpeas	109,317	29,379	217,606	60,570	326,923	89,949
Green gram	41,297	9,504	75,180	26,512	116,476	36,016
Chick peas	1,530	661	45,319	62,546	46,849	63,207
Bambaranuts	16,026	2,341	140,042	38,100	156,068	40,441
Field Peas	9,268	1,428	46,028	13,793	55,296	15,220
PULSES		**296,429**		**706,389**		**1,002,819**
Sunflower	15,827	6,913	482,501	340,565	498,328	347,478
Simsim	15,821	7,025	216,539	132,885	232,360	139,910
Groundnut	169,898	46,260	870,084	425,036	1,039,983	471,296
Soya Beans	1,576	427	15,833	7,095	17,409	7,522
Castor Fung	371	51	614	326	985	377
OIL SEEDS & OIL NUTS		**60,676**		**905,907**		**966,583**
Okra	12,908	3,019	16,096	6,964	29,003	9,982
Radish	1,078	400	1,886	1,049	2,963	1,450
Turmeric	534	145	1,828	1,085	2,362	1,230
Bitteer Aubergine	10,056	1,165	15,283	2,115	25,339	3,280
Kothmir	31	2	-	.	31	2
Onion	10,035	2,265	25,273	6,517	35,308	8,782
Ginger	3,174	1,046	1,884	602	5,058	1,648
Zukkin	25	5	30	12	56	17
Star Fruit	16	1	-	.	16	1
Cabbage	16,291	2,383	24,326	3,369	40,617	5,752
Tomatoes	49,972	8,775	85,715	17,837	135,687	26,612
Spinach	6,991	711	20,773	2,669	27,764	3,380
Carrot	2,214	333	2,611	477	4,825	810
Chillies	10,566	1,482	9,494	1,722	20,060	3,204
Amaranths	17,608	1,906	17,763	2,236	35,371	4,142
Pumpkins	9,005	990	11,056	1,209	20,060	2,199
Cucumber	5,330	917	4,459	961	9,788	1,878
Egg Plant	4,002	620	4,429	582	8,431	1,202
Water Mellon	4,164	1,865	3,240	1,274	7,404	3,139
Malay	-	.	71	29	71	29
FRUITS & VEGETABLES		**28,030**		**50,710**		**78,711**
Cotton	124,625	123,766	279,506	451,070	404,131	574,836
Tobacco	6,894	3,812	67,897	60,760	74,791	64,572
Pyrethrum	1,273	548	7,548	2,983	8,821	3,531
Jute	37	2	45	18	82	20
Sea weed	1,278	404	1,803	470	3,081	874
CASH CROPS		**128,531**		**515,272**		**643,803**
Total		**1,777,956**		**7,030,815**		**8,808,771**

5.14 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Area planted (ha) and Quantity Harvested by Season and Crop for the 2007/08 agriculture year - MAINLAND

	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
Crop	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Maize	883,130	1,033,934	1.2	3,199,370	4,404,841	1.4	4,082,500	5,438,776	1.3
Paddy	200,775	330,995	1.6	679,333	1,068,686	1.6	880,108	1,399,681	1.6
Sorghum	69,058	76,457	1.1	497,670	474,198	1.0	566,728	550,654	1.0
Bulrush Millet	4,438	3,202	0.7	151,273	103,772	0.7	155,710	106,974	0.7
Finger Millet	8,655	6,759	0.8	60,174	46,045	0.8	68,829	52,804	0.8
Wheat	1,225	522	0.4	41,935	42,840	1.0	43,160	43,362	1.0
Barley	53	43	0.8	180	246	1.4	233	289	1.2
CEREALS	**1,167,333**	**1,451,911**	**1.2**	**4,629,936**	**6,140,629**	**1.3**	**5,797,269**	**7,592,540**	**1.3**
Seeweed	237	564	2.4	183	455	2.5	420	1,019	2.4
~~Cassava~~	~~.~~	~~.~~	~~-~~	~~.~~	~~.~~	~~-~~	~~669,134~~	~~1,236,194~~	~~2~~
Sweet Potato	63,595	124,797	2.0	146,732	304,104	2.1	210,327	428,901	2.0
Irish potatoes	9,857	16,924	1.7	28,911	112,156	3.9	38,767	129,080	3.3
Yam	2,009	3,092	1.5	1,894	2,296	1.2	3,904	5,389	1.4
Coco Yam	6,596	5,629	0.9	3,507	3,622	1.0	10,103	9,250	0.9
ROOTS & TUBERS	**86,192**	**156,142**	**1.8**	**188,608**	**434,028**	**2.3**	**274,800**	**590,170**	**2.1**
Mung Bean	2,700	5,671	2.1	5,519	4,173	0.8	8,219	9,844	1.2
Beans	250,392	187,918	0.8	499,293	382,827	0.8	749,685	570,745	0.8
Cowpeas	28,328	10,492	0.4	60,127	28,870	0.5	88,455	39,362	0.4
Green gram	9,221	6,526	0.7	26,187	23,958	0.9	35,407	30,485	0.9
Chick peas	661	396	0.6	62,546	35,760	0.6	63,207	36,156	0.6
Bambaranuts	2,316	1,297	0.6	38,100	27,877	0.7	40,416	29,174	0.7
Field Peas	1,428	949	0.7	13,793	8,557	0.6	15,220	9,505	0.6
PULSES	**295,045**	**213,249**	**0.7**	**705,564**	**512,022**	**0.7**	**1,000,609**	**725,271**	**0.7**
Sunflower	6,913	3,076	0.4	340,565	235,586	0.7	347,478	238,663	0.7
Simsim	7,025	2,620	0.4	132,885	56,483	0.4	139,910	59,103	0.4
Groundnut	45,995	29,551	0.6	424,602	311,222	0.7	470,597	340,773	0.7
Soya Beans	427	562	1.3	7,095	4,828	0.7	7,522	5,390	0.7
Castor Fung	51	35	0.7	326	189	0.6	377	224	0.6
OIL SEEDS & OIL NUTS	**60,411**	**35,845**	**0.6**	**905,473**	**608,308**	**0.7**	**965,884**	**644,153**	**0.7**
Okra	2,898	4,500	1.6	6,711	8,463	1.3	9,609	12,963	1.3
Radish	368	604	1.6	1,002	993	1.0	1,370	1,596	1.2
Turmeric	86	14	0.2	954	1,015	1.1	1,040	1,029	1.0
Bitteer Aubergine	1,098	4,166	3.8	2,053	7,185	3.5	3,151	11,351	3.6

5.14 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Area planted (ha) and Quantity Harvested by Season and Crop for the 2007/08 agriculture year - MAINLAND

	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
Crop	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Kothmir	.	.	-	.	.	-	.	.	-
Onion	2,258	6,257	2.8	6,517	18,388	2.8	8,776	24,646	2.8
Ginger	1,046	3,338	3.2	602	1,246	2.1	1,648	4,585	2.8
Zukkin	.	.	-	.	.	-	.	.	-
Star Fruit	.	.	-	.	.	-	.	.	-
Cabbage	2,370	11,901	5.0	3,368	34,489	10.2	5,738	46,389	8.1
Tomatoes	8,163	108,346	13.3	17,228	206,640	12.0	25,391	314,986	12.4
Spinach	705	2,943	4.2	2,667	9,416	3.5	3,372	12,359	3.7
Carrot	330	1,779	5.4	477	2,758	5.8	807	4,537	5.6
Chillies	1,434	3,638	2.5	1,672	6,987	4.2	3,106	10,625	3.4
Amaranths	1,729	7,783	4.5	2,143	7,495	3.5	3,872	15,278	3.9
Pumpkins	729	2,526	3.5	964	4,964	5.2	1,692	7,489	4.4
Cucumber	726	2,571	3.5	866	2,775	3.2	1,593	5,346	3.4
Egg Plant	277	1,170	4.2	242	1,190	4.9	520	2,361	4.5
Water Mellon	1,826	10,471	5.7	1,254	7,004	5.6	3,080	17,475	5.7
FRUITS & VEGETABLES	**26,044**	**172,006**	**6.6**	**48,721**	**321,008**	**6.6**	**74,765**	**493,015**	**6.6**
Cotton	123,766	110,797	0.9	451,070	361,336	0.8	574,836	472,133	0.8
Tobacco	3,812	3,571	0.9	60,760	66,956	1.1	64,572	70,527	1.1
Pyrethrum	548	286	0.5	2,983	1,424	0.5	3,531	1,710	0.5
Jute	2	4	2.5	18	64	3.5	20	68	3.4
CASH CROPS	**128,127**	**114,658**	**0.9**	**514,831**	**429,780**	**0.8**	**642,958**	**544,438**	**0.8**
Malay	.	.	-	29	11	0.4	29	11	0.4
Total	**1,763,152**	**2,143,811**	**1**	**6,993,162**	**8,445,787**	**1.2**	**8,756,314**	**10,589,597**	**1.2**

5.15 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Area planted (ha) and Quantity Harvested by Season and Crop for the 2007/08 agriculture year - ZANZIBAR

	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
Crop	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Maize	1,295	2,045	1.6	2,760	3,358	1.2	4,055	5,402	1.3
Paddy	3,125	4,032	1.3	23,475	28,233	1.2	26,600	32,265	1.2
Sorghum	414	270	0.7	1,508	1,429	0.9	1,922	1,699	0.9
Bulrush Millet	871	721	0.8	215	119	0.6	1,087	840	0.8
Finger Millet	.	.	-	18	13	0.7	18	13	0.7
Wheat	.	.	-	22	17	0.8	22	17	0.8
Barley	.	.	-	.	.	-	.	.	-
CEREALS	**5,706**	**7,068**	**1.2**	**27,998**	**33,168**	**1.2**	**33,704**	**40,236**	**1.2**
Seeweed	166	185	1.1	287	430	1.5	453	614	1.4
Cassava	37	95	3	168	279	2	206	373	2
Sweet Potato	3,100	6,269	2.0	4,824	10,600	2.2	7,924	16,869	2.1
Irish potatoes	11	25	2.3	36	47	1.3	47	72	1.5
Yam	1,757	3,084	1.8	674	970	1.4	2,431	4,054	1.7
Coco Yam	392	397	1.0	445	389	0.9	838	786	0.9
ROOTS & TUBERS	**5,463**	**10,053**	**1.8**	**6,436**	**12,715**	**2.0**	**11,899**	**22,768**	**1.9**
Mung Bean	.	.	-	.	.	-	.	.	-
Beans	24	10	0.4	57	14	0.2	81	24	0.3
Cowpeas	1,052	567	0.5	443	191	0.4	1,494	758	0.5
Green gram	283	338	1.2	326	131	0.4	609	470	0.8
Chick peas	.	.	-	.	.	-	.	.	-
Bambaranuts	26	17	0.7	.	.	-	26	17	0.7
Field Peas	.	.	-	.	.	-	.	.	-
PULSES	**1,384**	**932**	**0.7**	**825**	**337**	**0.4**	**2,210**	**1,269**	**0.6**
Sunflower	.	.	-	.	.	-	.	.	-
Simsim	.		-	.	.	-	.	.	-
Groundnut	265	180	0.7	434	506	1.2	699	685	1.0
Soya Beans	.	.	-	.	.	-	.	.	-
Castor Fung	.	.	-	.	.	-	.	.	-
OIL SEEDS & OIL NUTS	**265**	**180**	**0.7**	**434**	**506**	**1.2**	**699**	**685**	**1.0**
Okra	121	323	2.7	252	154	0.6	373	477	1.3
Radish	32	21	0.6	47	12	0.3	79	33	0.4
Turmeric	59	93	1.6	131	45	0.3	191	139	0.7
Bitteer	67	432	6.4	62	277	4.5	129	709	5.5
Aubergine Kothmir	2	2	1.1	.	.	-	2	2	1.1
Onion	6	10	1.5	.	.	-	6	10	1.5
Ginger	.	.	-	.	.	-	.	.	-
Zukkin	5	5	1.0	12	8	0.7	17	13	0.8
Star Fruit	1	0	0.1	.	.	-	1	0	0.1
Cabbage	12	22	1.8	2	0	0.3	14	22	1.6
Tomatoes	612	2,798	4.6	609	3,343	5.5	1,221	6,141	5.0
Spinach	7	78	11.5	1	20	14.4	8	98	12.0
Carrot	3	16	4.7	.	.	-	3	16	4.7
Chillies	48	62	1.3	50	63	1.2	98	125	1.3
Amaranths	177	723	4.1	94	535	5.7	271	1,258	4.7
Pumpkins	261	2,669	10.2	245	1,774	7.2	506	4,443	8.8
Cucumber	191	572	3.0	95	247	2.6	286	819	2.9
Egg Plant	343	1,542	4.5	340	2,619	7.7	683	4,160	6.1
Water Mellon	39	114	2.9	20	89	4.5	59	204	3.4
FRUITS &	**1,987**	**9,483**	**4.8**	**1,960**	**9,187**	**4.7**	**3,946**	**18,670**	**4.7**

5.15 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Area planted (ha) and Quantity Harvested by Season and Crop for the 2007/08 agriculture year - ZANZIBAR

	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
Crop	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
VEGETABLES									
Cotton	.	.	.	.	.	-	.	.	-
Tobacco	.	.	.	.	.	-	.	.	-
Pyrethrum	.	.	.	.	.	-	.	.	-
Jute	.	.	.	.	.	-	.	.	-
CASH CROPS	**.**	**.**	**.**	**.**	**.**	-	**.**	**.**	-
Malay	.	.	.	.	.	-	.	.	-
Total	**14,805**	**27,716**	**-**	**37,653**	**55,912**	**1.5**	**52,457**	**83,628**	**1.6**

5.16 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Area planted (ha) and Quantity Harvested by Season and Crop for the 2007/08 agriculture year - NATIONAL

	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
Crop	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Maize	884,425	1,035,979	1.2	3,202,130	4,408,199	1.4	4,086,555	5,444,178	1.3
Paddy	203,900	335,027	1.6	702,808	1,096,919	1.6	906,708	1,431,946	1.6
Sorghum	69,472	76,727	1.1	499,178	475,627	1.0	568,650	552,353	1.0
Bulrush Millet	5,309	3,923	0.7	151,488	103,891	0.7	156,797	107,814	0.7
Finger Millet	8,655	6,759	0.8	60,192	46,058	0.8	68,847	52,817	0.8
Wheat	1,225	522	0.4	41,957	42,858	1.0	43,182	43,379	1.0
Barley	53	43	0.8	180	246	1.4	233	289	1.2
CEREALS	**1,173,039**	**1,458,979**	**1.2**	**4,657,934**	**6,173,797**	**1.3**	**5,830,972**	**7,632,776**	**1.3**
Seeweed	404	749	1.9	470	884	1.9	874	1,633	1.9
Cassava	3,935	5,230	1	7,550	11,673	2	11,485	16,904	1
Sweet Potato	66,695	131,066	2.0	151,556	314,704	2.1	218,251	445,770	2.0
Irish potatoes	9,867	16,948	1.7	28,947	112,204	3.9	38,814	129,152	3.3
Yam	3,766	6,176	1.6	2,569	3,266	1.3	6,335	9,442	1.5
Coco Yam	6,988	6,025	0.9	3,952	4,011	1.0	10,941	10,036	0.9
ROOTS & TUBERS	**91,655**	**166,195**	**1.8**	**195,044**	**446,743**	**2.3**	**286,698**	**612,938**	**2.1**
Mung Bean	2,700	5,671	2.1	5,519	4,173	0.8	8,219	9,844	1.2
Beans	250,416	187,928	0.8	499,350	382,841	0.8	749,766	570,769	0.8
Cowpeas	29,379	11,058	0.4	60,570	29,062	0.5	89,949	40,120	0.4
Green gram	9,504	6,865	0.7	26,512	24,090	0.9	36,016	30,954	0.9
Chick peas	661	396	0.6	62,546	35,760	0.6	63,207	36,156	0.6
Bambaranuts	2,341	1,314	0.6	38,100	27,877	0.7	40,441	29,191	0.7
Field Peas	1,428	949	0.7	13,793	8,557	0.6	15,220	9,505	0.6
PULSES	**296,429**	**214,181**	**0.7**	**706,389**	**512,358**	**0.7**	**1,002,819**	**726,539**	**0.7**
Sunflower	6,913	3,076	0.4	340,565	235,586	0.7	347,478	238,663	0.7
Simsim	7,025	2,620	0.4	132,885	56,483	0.4	139,910	59,103	0.4
Groundnut	46,260	29,731	0.6	425,036	311,728	0.7	471,296	341,459	0.7
Soya Beans	427	562	1.3	7,095	4,828	0.7	7,522	5,390	0.7
Castor Fung	51	35	0.7	326	189	0.6	377	224	0.6
OIL SEEDS & OIL NUTS	**60,676**	**36,024**	**0.6**	**905,907**	**608,814**	**0.7**	**966,583**	**644,838**	**0.7**
Okra	3,019	4,823	1.6	6,964	8,618	1.2	9,982	13,440	1.3
Radish	400	624	1.6	1,049	1,005	1.0	1,450	1,629	1.1
Turmeric	145	107	0.7	1,085	1,060	1.0	1,230	1,167	0.9
Bitteer Aubergine	1,165	4,597	3.9	2,115	7,463	3.5	3,280	12,060	3.7
Kothmir	2	2	1.1	.	.	0.0	2	2	1.1
Onion	2,265	6,267	2.8	6,517	18,388	2.8	8,782	24,655	2.8
Ginger	1,046	3,338	3.2	602	1,246	2.1	1,648	4,585	2.8
Zukkin	5	5	1.0	12	8	0.7	17	13	0.8
Star Fruit	1	0	0.1	.	.	0.0	1	0	0.1
Cabbage	2,383	11,922	5.0	3,369	34,489	10.2	5,752	46,412	8.1
Tomatoes	8,775	111,145	12.7	17,837	209,983	11.8	26,612	321,128	12.1
Spinach	711	3,021	4.2	2,669	9,436	3.5	3,380	12,458	3.7
Carrot	333	1,795	5.4	477	2,758	5.8	810	4,553	5.6
Chillies	1,482	3,700	2.5	1,722	7,050	4.1	3,204	10,750	3.4

5.16 TOTAL ANNUAL CROP AND VEGETABLE PRODUCTION: Area planted (ha) and Quantity Harvested by Season and Crop for the 2007/08 agriculture year - NATIONAL

	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
Crop	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Amaranths	1,906	8,506	4.5	2,236	8,030	3.6	4,142	16,536	4.0
Pumpkins	990	5,195	5.2	1,209	6,738	5.6	2,199	11,932	5.4
Cucumber	917	3,143	3.4	961	3,021	3.1	1,878	6,165	3.3
Egg Plant	620	2,712	4.4	582	3,809	6.5	1,202	6,521	5.4
Water Mellon	1,865	10,585	5.7	1,274	7,093	5.6	3,139	17,679	5.6
Malay	.	.	-	29	11	0.4	29	11	0.4
FRUITS & VEGETABLES	**28,030**	**181,489**	**6.5**	**50,710**	**330,207**	**6.5**	**78,740**	**511,696**	**6.5**
Cotton	123,766	110,797	0.9	451,070	361,336	0.8	574,836	472,133	0.8
Tobacco	3,812	3,571	0.9	60,760	66,956	1.1	64,572	70,527	1.1
Pyrethrum	548	286	0.5	2,983	1,424	0.5	3,531	1,710	0.5
Jute	2	4	2.5	18	64	3.5	20	68	3.4
CASH CROPS	**128,127**	**114,658**	**0.9**	**514,831**	**429,780**	**0.8**	**642,958**	**544,438**	**0.8**
Total	**1,777,956**	**2,171,527**	**1.2**	**7,030,815**	**8,501,699**	**1.2**	**8,808,771**	**10,673,225**	**1.2**

CROP STORAGE

5.17 CROP STORAGE: Number of households Storing Crops Season and Region

	SHORT RAINY SEASON					LONG RAINY SEASON					SHORT & LONG SEASON				
Region	Number of households storing crops	%	Number of households not storing crops	%	Total	Number of households storing crops	%	Number of households not storing crops	%	Total	Number of households storing crops	%	Number of households not storing crops	%	Total
Dodoma	364	100	0	0	364	348,760	97	9,208	3	357,968	349,125	97	9,208	3	358,333
Arusha	34,466	78	9,915	22	44,381	139,013	93	11,262	7	150,275	173,479	89	21,177	11	194,657
Kilimanjaro	119,274	85	20,674	15	139,948	135,127	89	17,093	11	152,220	254,401	87	37,767	13	292,168
Tanga	185,484	89	21,971	11	207,455	226,106	95	12,055	5	238,161	411,590	92	34,026	8	445,616
Morogoro	169,542	93	13,120	7	182,663	178,430	92	15,229	8	193,658	347,972	92	28,349	8	376,321
Pwani	73,016	86	11,511	14	84,527	80,746	90	9,160	10	89,906	153,762	88	20,671	12	174,433
Dar es Salaam	7,900	59	5,569	41	13,469	18,105	82	4,034	18	22,139	26,005	73	9,603	27	35,608
Lindi	999	42	1,367	58	2,366	152,857	96	6,573	4	159,430	153,856	95	7,940	5	161,796
Mtwara	582	79	153	21	735	202,520	94	13,611	6	216,131	203,102	94	13,764	6	216,866
Ruvuma	345	80	87	20	432	197,677	98	3,891	2	201,568	198,021	98	3,978	2	202,000
Iringa	1,278	92	109	8	1,388	301,679	99	2,039	1	303,718	302,957	99	2,148	1	305,106
Mbeya	96,870	99	769	1	97,639	422,584	98	8,629	2	431,213	519,454	98	9,398	2	528,853
Singida	0	0	0	0	0	212,912	99	2,996	1	215,908	212,912	99	2,996	1	215,908
Tabora	268	68	126	32	393	285,518	99	2,129	1	287,648	285,786	99	2,255	1	288,041
Sumbawanga	1,444	57	1,077	43	2,521	212,072	98	3,933	2	216,005	213,516	98	5,010	2	218,526
Kigoma	178,774	98	4,232	2	183,006	73,716	96	2,824	4	76,540	252,491	97	7,056	3	259,546
Shinyanga	7,280	97	207	3	7,487	465,663	97	12,506	3	478,170	472,943	97	12,713	3	485,657
Kagera	357,041	96	13,255	4	370,296	166,761	87	24,588	13	191,349	523,803	93	37,843	7	561,645
Mwanza	336,448	97	11,413	3	347,861	143,749	92	13,090	8	156,839	480,196	95	24,504	5	504,700
Mara	155,278	92	13,486	8	168,765	128,384	94	8,724	6	137,108	283,663	93	22,210	7	305,873
Manyara	14,019	96	517	4	14,536	183,621	98	2,807	2	186,427	197,640	98	3,324	2	200,964
MAINLAND	**1,740,674**	**93**	**129,559**	**7**	**1,870,233**	**4,276,000**	**96**	**186,382**	**4**	**4,462,382**	**6,016,674**	**95**	**315,940**	**5**	**6,332,615**
North Unguja	13,308	93	956	7	14,264	19,878	98	481	2	20,359	33,187	96	1,437	4	34,624
South Unguja	10,826	93	782	7	11,609	6,546	86	1,096	14	7,642	17,372	90	1,879	10	19,251
Urban West	5,212	89	628	11	5,840	7,630	96	314	4	7,944	12,842	93	942	7	13,784
North Pemba	6,587	96	307	4	6,894	27,401	99	139	1	27,540	33,988	99	446	1	34,434
South Pemba	2,682	92	231	8	2,913	24,767	100	111	0	24,878	27,449	99	342	1	27,791
ZANZIBAR	**38,616**	**93**	**2,905**	**7**	**41,520**	**86,222**	**98**	**2,142**	**2**	**88,364**	**124,838**	**96**	**5,046**	**4**	**129,884**
NATIONAL	**1,779,290**	**93**	**132,463**	**7**	**1,911,753**	**4,362,222**	**96**	**188,523**	**4**	**4,550,745**	**6,141,512**	**95**	**320,987**	**5**	**6,462,498**

5.18 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season - MAINLAND

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	611,039	38.0	34,645	2.2	2,332	0.1	779,994	48.5	47,327	2.9	10,005	0.6	122,106	7.6	1,486	0.1	1,608,934	100
Paddy	43,558	18.4	4,616	1.9	411	0.2	169,528	71.5	615	0.3	1,116	0.5	17,070	7.2	88	0.0	237,002	100
Sorghum	76,272	52.8	1,843	1.3	318	0.2	49,052	34.0	501	0.3	115	0.1	16,144	11.2	232	0.2	144,478	100
Bulrush Millet	1,359	37.1	0	0.0	0	0.0	1,926	52.6	0	0.0	0	0.0	375	10.3	0	0.0	3,660	100
Finger Millet	10,827	43.5	352	1.4	0	0.0	8,214	33.0	416	1.7	287	1.2	4,636	18.6	159	0.6	24,892	100
Wheat	1,758	53.7	232	7.1	0	0.0	771	23.5	0	0.0	0	0.0	513	15.7	0	0.0	3,275	100
Barley	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	191	100.0	0	0.0	191	100
CEREALS	**744,813**	**36.8**	**41,688**	**2.1**	**3,060**	**0.2**	**1,009,486**	**49.9**	**48,859**	**2.4**	**11,524**	**0.6**	**161,036**	**8.0**	**1,965**	**0.1**	**2,022,431**	**100**
Cassava	3,108	28.6	548	5.0	0	0.0	4,041	37.2	389	3.6	0	0.0	2,627	24.2	159	1.5	10,871	100
Sweet Potato	71,761	26.1	7,123	2.6	1,889	0.7	84,950	30.9	289	0.1	11,669	4.2	90,686	33.0	6,637	2.4	275,003	100
Irish potatoes	9,637	26.0	2,731	7.4	0	0.0	2,535	6.8	0	0.0	2,990	8.1	19,084	51.5	88	0.2	37,065	100
Yams	5,642	34.0	1,044	6.3	0	0.0	3,018	18.2	42	0.3	387	2.3	6,468	39.0	0	0.0	16,601	100
Coco Yam	15,288	25.8	3,793	6.4	1,235	2.1	15,059	25.4	0	0.0	2,923	4.9	19,094	32.2	1,927	3.2	59,319	100
ROOTS & TUBERS	**105,436**	**26.4**	**15,239**	**3.8**	**3,124**	**0.8**	**109,603**	**27.5**	**720**	**0.2**	**17,968**	**4.5**	**137,958**	**34.6**	**8,811**	**2.2**	**398,859**	**100**
Mung Bean	2,369	33.1	334	4.7	0	0.0	3,214	45.0	271	3.8	128	1.8	830	11.6	0	0.0	7,146	100
Beans	246,536	30.7	16,003	2.0	1,593	0.2	443,862	55.2	29,884	3.7	2,442	0.3	60,956	7.6	2,423	0.3	803,698	100
Cowpeas	34,064	32.4	2,364	2.3	616	0.6	42,904	40.8	2,369	2.3	592	0.6	21,177	20.2	948	0.9	105,034	100
Green gram	8,831	22.3	108	0.3	56	0.1	21,231	53.5	220	0.6	380	1.0	8,838	22.3	0	0.0	39,664	100
Chick peas	29	1.9	159	10.4	0	0.0	526	34.4	0	0.0	0	0.0	817	53.4	0	0.0	1,530	100
Bambaranuts	7,783	48.9	0	0.0	0	0.0	6,885	43.3	0	0.0	276	1.7	875	5.5	92	0.6	15,911	100
Field Peas	1,726	18.6	0	0.0	0	0.0	5,191	56.0	260	2.8	0	0.0	2,091	22.6	0	0.0	9,268	100
PULSES	**301,338**	**30.7**	**18,968**	**1.9**	**2,264**	**0.2**	**523,813**	**53.3**	**33,004**	**3.4**	**3,818**	**0.4**	**95,583**	**9.7**	**3,462**	**0.4**	**982,251**	**100**
Sunflower	2,322	14.7	557	3.5	58	0.4	5,914	37.4	2,271	14.3	0	0.0	4,654	29.4	52	0.3	15,827	100
Simsim	2,520	15.9	87	0.6	0	0.0	2,685	17.0	245	1.5	42	0.3	10,242	64.7	0	0.0	15,821	100
Groundnut	54,097	32.1	2,573	1.5	92	0.1	95,301	56.5	759	0.5	368	0.2	15,255	9.0	259	0.2	168,705	100
Soya Beans	248	15.8	0	0.0	0	0.0	1,015	64.4	0	0.0	0	0.0	312	19.8	0	0.0	1,576	100
Castor Fung	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	371	100.0	0	0.0	371	100
OIL SEEDS & OIL NUTS	**59,188**	**29.3**	**3,218**	**1.6**	**150**	**0.1**	**104,916**	**51.9**	**3,275**	**1.6**	**411**	**0.2**	**30,833**	**15.2**	**310**	**0.2**	**202,300**	**100**

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Cont. Table 5.18 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season - MAINLAND

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	1,568	13.3	160	1.4	0	0.0	2,082	17.7	52	0.4	45	0.4	7,768	65.9	108	0.9	11,783	100
Radish	327	33.2	0	0.0	0	0.0	402	40.8	0	0.0	0	0.0	257	26.0	0	0.0	985	100
Turmeric	119	73.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	42	26.2	0	0.0	162	100
Bitteer Aubergine	1,456	15.2	0	0.0	0	0.0	625	6.5	0	0.0	0	0.0	7,423	77.4	92	1.0	9,597	100
Kothmir	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Onion	1,040	10.4	0	0.0	0	0.0	649	6.5	88	0.9	206	2.1	7,990	80.1	0	0.0	9,973	100
Ginger	880	27.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,294	72.3	0	0.0	3,174	100
Zukkin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Star Fruit	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	2,291	14.1	199	1.2	0	0.0	1,014	6.3	174	1.1	232	1.4	12,012	74.2	276	1.7	16,199	100
Tomatoes	4,953	10.6	478	1.0	0	0.0	1,831	3.9	0	0.0	383	0.8	38,263	82.2	624	1.3	46,532	100
Spinach	898	13.0	0	0.0	0	0.0	476	6.9	87	1.3	0	0.0	5,474	78.9	0	0.0	6,935	100
Carrot	260	12.1	0	0.0	0	0.0	87	4.0	122	5.7	0	0.0	1,688	78.3	0	0.0	2,157	100
Chillies	1,755	17.5	0	0.0	0	0.0	354	3.5	144	1.4	150	1.5	7,632	76.1	0	0.0	10,035	100
Amaranths	2,775	17.5	1,242	7.8	42	0.3	670	4.2	43	0.3	0	0.0	11,123	70.0	0	0.0	15,895	100
Pumpkins	1,776	24.0	0	0.0	58	0.8	203	2.7	140	1.9	179	2.4	5,059	68.2	0	0.0	7,415	100
Cucumber	335	7.9	0	0.0	0	0.0	58	1.4	0	0.0	37	0.9	3,815	89.9	0	0.0	4,245	100
Egg Plant	71	4.4	0	0.0	0	0.0	42	2.6	0	0.0	0	0.0	1,520	93.0	0	0.0	1,633	100
Malay	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	85	2.1	0	0.0	0	0.0	94	2.3	0	0.0	0	0.0	3,756	93.4	85	2.1	4,020	100
FRUITS & VEGETABLES	**20,588**	**13.7**	**2,078**	**1.4**	**100**	**0.1**	**8,589**	**5.7**	**849**	**0.6**	**1,233**	**0.8**	**116,117**	**77.0**	**1,185**	**0.8**	**150,740**	**100**
Cotton	2,666	2.1	2,405	1.9	182	0.1	4,363	3.5	159	0.1	4,705	3.8	109,994	88.3	150	0.1	124,625	100
Tobacco	505	7.3	0	0.0	0	0.0	522	7.6	52	0.7	0	0.0	5,816	84.4	0	0.0	6,894	100
Pyrethrum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,273	100.0	0	0.0	1,273	100
Jute	37	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	37	100
Seaweed	499	96.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	18	3.4	0	0.0	517	100
CASH CROPS	**3,708**	**2.8**	**2,405**	**1.8**	**182**	**0.1**	**4,885**	**3.7**	**210**	**0.2**	**4,705**	**3.5**	**117,101**	**87.8**	**150**	**0.1**	**133,346**	**100**
Total	**1,235,071**	**31.8**	**83,596**	**2.1**	**8,881**	**0.2**	**1,761,292**	**45.3**	**86,917**	**2.2**	**39,657**	**1.0**	**658,629**	**16.9**	**15,884**	**0.4**	**3,889,926**	**100**

5.19 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season - MAINLAND

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	1,426,080	41.0	81,234	2.3	8,748	0.3	1,700,652	48.9	76,064	2.2	24,337	0.7	147,245	4.2	15,022	0.4	3,479,383	100
Paddy	274,622	32.2	19,262	2.3	1,361	0.2	488,813	57.3	4,070	0.5	5,764	0.7	54,077	6.3	5,446	0.6	853,416	100
Sorghum	387,003	58.4	6,309	1.0	920	0.1	208,253	31.4	1,524	0.2	6,275	0.9	45,549	6.9	6,493	1.0	662,327	100
Bulrush Millet	85,143	46.3	1,068	0.6	222	0.1	84,184	45.8	216	0.1	2,385	1.3	9,354	5.1	1,152	0.6	183,725	100
Finger Millet	44,844	34.2	1,354	1.0	163	0.1	52,159	39.7	545	0.4	369	0.3	30,944	23.6	884	0.7	131,263	100
Wheat	16,639	23.5	400	0.6	169	0.2	44,903	63.4	40	0.1	277	0.4	8,174	11.5	246	0.3	70,847	100
Barley	0	0.0	0	0.0	0	0.0	178	50.0	0	0.0	0	0.0	178	50.0	0	0.0	356	100
CEREALS	**2,234,330**	**41.5**	**109,628**	**2.0**	**11,583**	**0.2**	**2,579,142**	**47.9**	**82,459**	**1.5**	**39,409**	**0.7**	**295,522**	**5.5**	**29,244**	**0.5**	**5,381,317**	**100**
Cassava	2,882	19.7	314	2.2	176	1.2	7,521	51.5	212	1.4	0	0.0	3,366	23.1	126	0.9	14,597	100
Sweet Potato	175,730	37.6	7,361	1.6	2,035	0.4	147,767	31.6	1,154	0.2	12,542	2.7	107,580	23.0	12,920	2.8	467,089	100
Irish potatoes	16,583	22.5	2,191	3.0	119	0.2	10,968	14.9	229	0.3	5,466	7.4	32,752	44.5	5,295	7.2	73,604	100
Yams	5,333	46.3	387	3.4	0	0.0	1,680	14.6	0	0.0	460	4.0	3,579	31.0	92	0.8	11,531	100
Coco Yam	6,596	23.0	1,380	4.8	0	0.0	5,139	17.9	340	1.2	440	1.5	14,582	50.9	157	0.5	28,634	100
ROOTS & TUBERS	**207,415**	**34.8**	**11,633**	**2.0**	**2,331**	**0.4**	**173,075**	**29.0**	**1,935**	**0.3**	**18,908**	**3.2**	**162,063**	**27.2**	**18,590**	**3.1**	**595,949**	**100**
Mung Bean	5,978	53.2	0	0.0	140	1.2	3,665	32.6	0	0.0	88	0.8	1,359	12.1	0	0.0	11,230	100
Beans	341,914	28.0	22,608	1.8	2,969	0.2	702,225	57.5	42,941	3.5	2,814	0.2	98,447	8.1	8,303	0.7	1,222,221	100
Cowpeas	84,885	39.5	5,301	2.5	744	0.3	85,370	39.7	1,999	0.9	773	0.4	33,334	15.5	2,555	1.2	214,960	100
Green gram	25,603	34.9	1,372	1.9	0	0.0	27,756	37.8	536	0.7	234	0.3	16,864	23.0	1,053	1.4	73,418	100
Chick peas	13,996	30.9	873	1.9	197	0.4	22,377	49.4	205	0.5	277	0.6	7,323	16.2	71	0.2	45,319	100
Bambaranuts	60,511	43.2	1,880	1.3	509	0.4	63,285	45.2	712	0.5	765	0.5	11,198	8.0	1,181	0.8	140,042	100
Field Peas	8,090	17.6	149	0.3	40	0.1	23,522	51.1	272	0.6	295	0.6	13,134	28.5	526	1.1	46,028	100
PULSES	**540,978**	**30.9**	**32,183**	**1.8**	**4,598**	**0.3**	**928,201**	**52.9**	**46,665**	**2.7**	**5,247**	**0.3**	**181,657**	**10.4**	**13,690**	**0.8**	**1,753,218**	**100**
Sunflower	58,959	12.2	5,505	1.1	1,012	0.2	195,039	40.4	5,401	1.1	2,090	0.4	211,421	43.8	3,072	0.6	482,501	100
Simsim	37,677	17.4	1,492	0.7	641	0.3	39,108	18.1	1,356	0.6	992	0.5	133,430	61.6	1,842	0.9	216,539	100
Groundnut	277,127	31.9	16,927	1.9	2,234	0.3	467,271	53.8	6,318	0.7	4,666	0.5	89,080	10.3	4,823	0.6	868,444	100
Soya Beans	4,169	26.3	30	0.2	0	0.0	3,699	23.4	201	1.3	0	0.0	7,654	48.3	81	0.5	15,833	100
Castor Fung	477	77.7	0	0.0	0	0.0	56	9.0	0	0.0	0	0.0	81	13.3	0	0.0	614	100
OIL SEEDS & OIL NUTS	**378,409**	**23.9**	**23,953**	**1.5**	**3,887**	**0.2**	**705,172**	**44.5**	**13,276**	**0.8**	**7,748**	**0.5**	**441,666**	**27.9**	**9,819**	**0.6**	**1,583,931**	**100**

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Cont. Table 5.19 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season - MAINLAND

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	1,777	12.1	169	1.2	30	0.2	3,322	22.7	0	0.0	87	0.6	9,021	61.6	247	1.7	14,652	100
Radish	435	25.6	45	2.7	0	0.0	886	52.2	0	0.0	0	0.0	332	19.6	0	0.0	1,698	100
Turmeric	353	24.9	0	0.0	0	0.0	806	56.9	0	0.0	0	0.0	256	18.1	0	0.0	1,415	100
Bitteer Aubergine	1,639	11.0	92	0.6	0	0.0	417	2.8	0	0.0	30	0.2	12,606	84.8	88	0.6	14,871	100
Kothmir	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Onion	3,370	13.3	385	1.5	0	0.0	2,283	9.0	0	0.0	1,023	4.0	17,701	70.0	510	2.0	25,273	100
Ginger	604	32.1	0	0.0	0	0.0	235	12.5	0	0.0	0	0.0	1,045	55.5	0	0.0	1,884	100
Zukkin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Star Fruit	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	2,569	10.6	159	0.7	92	0.4	1,789	7.4	102	0.4	80	0.3	19,097	78.6	423	1.7	24,310	100
Tomatoes	8,115	9.9	319	0.4	0	0.0	2,659	3.2	0	0.0	665	0.8	68,748	84.0	1,333	1.6	81,838	100
Spinach	2,780	13.4	69	0.3	30	0.1	1,317	6.3	0	0.0	267	1.3	15,535	74.9	745	3.6	20,743	100
Carrot	88	3.4	0	0.0	0	0.0	345	13.2	0	0.0	0	0.0	2,178	83.4	0	0.0	2,611	100
Chillies	267	3.0	0	0.0	0	0.0	135	1.5	0	0.0	0	0.0	8,497	94.0	140	1.5	9,038	100
Amaranths	1,167	6.9	56	0.3	0	0.0	811	4.8	87	0.5	143	0.8	14,208	83.8	477	2.8	16,949	100
Pumpkins	1,510	15.8	561	5.9	100	1.0	1,491	15.6	0	0.0	0	0.0	5,603	58.7	286	3.0	9,550	100
Cucumber	75	1.9	0	0.0	0	0.0	855	21.5	0	0.0	0	0.0	3,049	76.6	0	0.0	3,979	100
Egg Plant	213	10.0	30	1.4	0	0.0	0	0.0	0	0.0	0	0.0	1,798	84.5	88	4.1	2,128	100
Water Mellon	169	5.4	0	0.0	0	0.0	0	0.0	0	0.0	309	9.9	2,645	84.7	0	0.0	3,123	100
Malay	0	0.0	0	0.0	0	0.0	71	100.0	0	0.0	0	0.0	0	0.0	0	0.0	71	100
FRUITS & VEGETABLES	**25,130**	**10.7**	**1,884**	**0.8**	**252**	**0.1**	**17,421**	**7.4**	**189**	**0.1**	**2,603**	**1.1**	**182,320**	**77.9**	**4,336**	**1.9**	**234,135**	**100**
Cotton	8,874	3.2	7,844	2.8	358	0.1	5,515	2.0	129	0.0	9,206	3.3	247,438	88.5	142	0.1	279,506	100
Tobacco	2,911	4.3	583	0.9	129	0.2	4,969	7.3	0	0.0	81	0.1	59,137	87.1	87	0.1	67,897	100
Pyrethrum	0	0.0	0	0.0	0	0.0	619	8.2	0	0.0	0	0.0	6,863	90.9	66	0.9	7,548	100
Jute	0	0.0	45	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100
Seaweed	291	58.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	204	41.3	0	0.0	495	100
CASH CROPS	**11,784**	**3.3**	**8,472**	**2.4**	**487**	**0.1**	**11,104**	**3.1**	**129**	**0.0**	**9,288**	**2.6**	**313,438**	**88.3**	**294**	**0.1**	**354,997**	**100**
Total	**3,398,047**	**34.3**	**187,752**	**1.9**	**23,138**	**0.2**	**4,414,116**	**44.6**	**144,653**	**1.5**	**83,202**	**0.8**	**1,576,666**	**15.9**	**75,973**	**0.8**	**9,903,547**	**100**

5.20 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, ZANZIBAR

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	4,323	66.1	433	6.6	32	.5	941	14.4	74	1.1	95	1.4	613	9.4	27	.4	6,537	100.0
Paddy	5,980	68.1	457	5.2	0	.0	1,328	15.1	189	2.2	57	.6	261	3.0	504	5.7	8,776	100.0
Sorghum	1,015	52.0	88	4.5	0	.0	669	34.3	0	.0	0	.0	147	7.5	32	1.6	1,951	100.0
Bulrush Millet	2,991	80.7	80	2.2	0	.0	321	8.7	0	.0	0	.0	256	6.9	56	1.5	3,704	100.0
Finger Millet	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Wheat	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Barley	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
CEREALS	**14,309**	**68.2**	**1,058**	**5.0**	**32**	**.2**	**3,259**	**15.5**	**263**	**1.3**	**151**	**.7**	**1,276**	**6.1**	**618**	**2.9**	**20,968**	**100.0**
Cassava	113	64.2	0	.0	0	.0	31	17.9	32	17.9	0	.0	0	.0	0	.0	176	100.0
Sweet Potato	9,781	79.9	581	4.7	79	.6	369	3.0	32	.3	57	.5	1,191	9.7	153	1.2	12,241	100.0
Irish potatoes	114	100.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	114	100.0
Yams	6,837	74.7	803	8.8	16	.2	156	1.7	32	.4	677	7.4	565	6.2	62	.7	9,150	100.0
Coco Yam	1,470	62.5	240	10.2	0	.0	91	3.9	32	1.3	78	3.3	440	18.7	0	.0	2,351	100.0
ROOTS & TUBERS	**18,315**	**76.2**	**1,624**	**6.8**	**95**	**.4**	**647**	**2.7**	**127**	**.5**	**812**	**3.4**	**2,196**	**9.1**	**214**	**.9**	**24,032**	**100.0**
Mung Bean	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Beans	99	100.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	99	100.0
Cowpeas	3,242	75.7	171	4.0	0	.0	605	14.1	16	.4	23	.5	198	4.6	27	.6	4,283	100.0
Green gram	1,072	65.6	16	1.0	0	.0	437	26.8	0	.0	0	.0	81	5.0	27	1.6	1,633	100.0
Chick peas	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Bambaranuts	90	77.9	0	.0	0	.0	25	22.1	0	.0	0	.0	0	.0	0	.0	115	100.0
Field Peas	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
PULSES	**4,503**	**73.5**	**188**	**3.1**	**0**	**.0**	**1,067**	**17.4**	**16**	**.3**	**23**	**.4**	**279**	**4.6**	**54**	**.9**	**6,130**	**100.0**
Sunflower	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Simsim	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Groundnut	748	62.7	61	5.1	0	.0	172	14.4	0	.0	25	2.1	187	15.7	0	.0	1,194	100.0
Soya Beans	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Castor Fung	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
OIL SEEDS & OIL NUTS	**748**	**62.7**	**61**	**5.1**	**0**	**.0**	**172**	**14.4**	**0**	**.0**	**25**	**2.1**	**187**	**15.7**	**0**	**.0**	**1,194**	**100.0**
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Cont. 5.20 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, ZANZIBAR

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	608	54.1	30	2.7	0	.0	0	.0	0	.0	0	.0	454	40.4	32	2.8	1,125	100.0
Radish	0	.0	30	32.9	0	.0	32	34.1	0	.0	0	.0	30	32.9	0	.0	92	100.0
Turmeric	158	42.3	30	8.2	0	.0	95	25.4	0	.0	32	8.5	58	15.7	0	.0	372	100.0
Bitteer Aubergine	248	53.9	30	6.6	0	.0	0	.0	0	.0	0	.0	182	39.5	0	.0	460	100.0
Kothmir	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	31	100.0	0	.0	31	100.0
Onion	31	50.0	0	.0	0	.0	0	.0	0	.0	0	.0	31	50.0	0	.0	63	100.0
Ginger	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Zukkin	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	25	100.0	0	.0	25	100.0
Star Fruit	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	16	100.0	0	.0	16	100.0
Cabbage	62	67.0	0	.0	0	.0	0	.0	0	.0	0	.0	30	33.0	0	.0	92	100.0
Tomatoes	2,112	61.4	287	8.4	16	.5	0	.0	32	.9	0	.0	961	27.9	32	.9	3,440	100.0
Spinach	26	45.7	30	54.3	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	56	100.0
Carrot	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	57	100.0	0	.0	57	100.0
Chillies	269	50.6	30	5.7	0	.0	0	.0	0	.0	0	.0	232	43.7	0	.0	531	100.0
Amaranths	1,160	67.7	91	5.3	0	.0	32	1.9	0	.0	0	.0	371	21.7	58	3.4	1,713	100.0
Pumpkins	1,060	66.7	186	11.7	16	1.0	78	4.9	0	.0	0	.0	250	15.7	0	.0	1,590	100.0
Cucumber	555	51.2	30	2.8	0	.0	32	3.0	0	.0	0	.0	467	43.0	0	.0	1,085	100.0
Egg Plant	1,354	57.2	123	5.2	16	.7	80	3.4	0	.0	0	.0	611	25.8	184	7.8	2,368	100.0
Water Mellon	87	60.5	0	.0	0	.0	0	.0	0	.0	0	.0	57	39.5	0	.0	144	100.0
Malay	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
FRUITS & VEGETABLES	**7,730**	**58.3**	**900**	**6.8**	**49**	**.4**	**349**	**2.6**	**32**	**.2**	**32**	**.2**	**3,866**	**29.1**	**306**	**2.3**	**13,262**	**100.0**
Cotton	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Tobacco	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Pyrethrum	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Jute	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Seaweed	6,837	74.7	803	8.8	16	.2	156	1.7	32	.4	677	7.4	565	6.2	62	.7	9,150	100.0
CASH CROPS	**6,837**	**74.7**	**803**	**8.8**	**16**	**.2**	**156**	**1.7**	**32**	**.4**	**677**	**7.4**	**565**	**6.2**	**62**	**.7**	**9,150**	**100.0**
Total	**45,667**	**68.8**	**3,862**	**5.8**	**177**	**.3**	**5,769**	**8.7**	**438**	**.7**	**1,044**	**1.6**	**8,198**	**12.4**	**1,192**	**1.8**	**66,347**	**100.0**

5.21 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season, ZANZIBAR

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	9,310	75.0	450	3.6	0	.0	1,573	12.7	25	.2	61	.5	867	7.0	124	1.0	12,410	100.0
Paddy	43,350	69.0	1,106	1.8	0	.0	17,132	27.3	57	.1	218	.3	755	1.2	240	.4	62,857	100.0
Sorghum	5,753	84.9	32	.5	0	.0	537	7.9	0	.0	26	.4	248	3.7	180	2.7	6,775	100.0
Bulrush Millet	908	96.9	0	.0	0	.0	29	3.1	0	.0	0	.0	0	.0	0	.0	937	100.0
Finger Millet	29	100.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	29	100.0
Wheat	26	44.9	0	.0	0	.0	0	.0	0	.0	0	.0	32	55.1	0	.0	57	100.0
Barley	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
CEREALS	**59,375**	**71.5**	**1,588**	**1.9**	**0**	**.0**	**19,270**	**23.2**	**82**	**.1**	**304**	**.4**	**1,903**	**2.3**	**543**	**.7**	**83,065**	**100.0**
Cassava	342	64.0	52	9.8	0	.0	108	20.3	0	.0	31	5.9	0	.0	0	.0	534	100.0
Sweet Potato	13,721	81.1	765	4.5	29	.2	206	1.2	0	.0	465	2.7	1,675	9.9	63	.4	16,924	100.0
Irish potatoes	152	83.4	0	.0	0	.0	0	.0	0	.0	0	.0	30	16.6	0	.0	183	100.0
Yams	2,612	73.9	314	8.9	0	.0	48	1.4	0	.0	129	3.6	273	7.7	157	4.5	3,533	100.0
Coco Yam	2,011	73.9	122	4.5	0	.0	29	1.1	0	.0	0	.0	559	20.6	0	.0	2,721	100.0
ROOTS & TUBERS	**18,838**	**78.8**	**1,253**	**5.2**	**29**	**.1**	**391**	**1.6**	**0**	**.0**	**625**	**2.6**	**2,538**	**10.6**	**220**	**.9**	**23,894**	**100.0**
Mung Bean	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Beans	95	33.5	0	.0	0	.0	158	55.8	0	.0	0	.0	30	10.8	0	.0	282	100.0
Cowpeas	2,391	90.4	57	2.2	0	.0	154	5.8	16	.6	27	1.0	0	.0	0	.0	2,646	100.0
Green gram	1,364	77.4	0	.0	0	.0	285	16.2	32	1.8	0	.0	16	.9	63	3.6	1,761	100.0
Chick peas	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Bambaranuts	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Field Peas	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
PULSES	**3,850**	**82.1**	**57**	**1.2**	**0**	**.0**	**597**	**12.7**	**49**	**1.0**	**27**	**.6**	**47**	**1.0**	**63**	**1.3**	**4,689**	**100.0**
Sunflower	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Simsim	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Groundnut	879	53.6	61	3.7	0	.0	372	22.7	0	.0	0	.0	327	20.0	0	.0	1,640	100.0
Soya Beans	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Castor Fung	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
OIL SEEDS & OIL NUTS	**879**	**53.6**	**61**	**3.7**	**0**	**.0**	**372**	**22.7**	**0**	**.0**	**0**	**.0**	**327**	**20.0**	**0**	**.0**	**1,640**	**100.0**
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Cont. 5.21 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season, ZANZIBAR

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	801	55.5	243	16.8	31	2.2	126	8.7	0	.0	0	.0	179	12.4	63	4.4	1,444	100.0
Radish	95	50.3	30	16.2	0	.0	63	33.5	0	.0	0	.0	0	.0	0	.0	188	100.0
Turmeric	211	50.9	0	.0	0	.0	0	.0	0	.0	32	7.6	171	41.4	0	.0	413	100.0
Bitteer Aubergine	292	71.1	0	.0	0	.0	0	.0	0	.0	0	.0	119	28.9	0	.0	411	100.0
Kothmir	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Onion	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Ginger	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Zukkin	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	30	100.0	0	.0	30	100.0
Star Fruit	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Cabbage	16	100.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	16	100.0
Tomatoes	2,588	66.7	513	13.2	0	.0	31	.8	30	.8	27	.7	598	15.4	90	2.3	3,877	100.0
Spinach	29	100.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	29	100.0
Carrot	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Chillies	119	26.1	152	33.4	0	.0	0	.0	30	6.7	0	.0	123	26.9	32	6.9	455	100.0
Amaranths	430	52.8	138	16.9	0	.0	16	2.0	0	.0	0	.0	199	24.4	31	3.9	814	100.0
Pumpkins	1,106	73.5	152	10.1	0	.0	0	.0	0	.0	16	1.1	200	13.3	32	2.1	1,505	100.0
Cucumber	244	50.9	61	12.7	0	.0	0	.0	0	.0	0	.0	174	36.4	0	.0	479	100.0
Egg Plant	1,567	68.1	329	14.3	0	.0	0	.0	0	.0	0	.0	341	14.8	63	2.7	2,301	100.0
Water Mellon	56	48.1	30	25.9	0	.0	0	.0	0	.0	0	.0	30	25.9	0	.0	117	100.0
Malay	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
FRUITS & VEGETABLES	**7,553**	**62.5**	**1,649**	**13.7**	**31**	**.3**	**236**	**2.0**	**61**	**.5**	**75**	**.6**	**2,165**	**17.9**	**310**	**2.6**	**12,081**	**100.0**
Cotton	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Tobacco	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Pyrethrum	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Jute	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Seaweed	281	21.5	27	2.0	0	.0	388	29.7	0	.0	0	.0	613	46.8	0	.0	1,308	100.0
CASH CROPS	**281**	**21.5**	**27**	**2.0**	**0**	**.0**	**388**	**29.7**	**0**	**.0**	**0**	**.0**	**613**	**46.8**	**0**	**.0**	**1,308**	**100.0**
Total	**90,776**	**71.7**	**4,635**	**3.7**	**61**	**.0**	**21,254**	**16.8**	**192**	**.2**	**1,031**	**.8**	**7,592**	**6.0**	**1,137**	**.9**	**126,677**	**100.0**

5.22 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, NATIONAL

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	615,362	38.1	35,078	2.2	2,364	.1	780,935	48.3	47,401	2.9	10,100	.6	122,718	7.6	1,513	.1	1,615,471	100.0
Paddy	49,538	20.2	5,073	2.1	411	.2	170,856	69.5	804	.3	1,173	.5	17,331	7.1	592	.2	245,777	100.0
Sorghum	77,287	52.8	1,931	1.3	318	.2	49,722	34.0	501	.3	115	.1	16,291	11.1	264	.2	146,429	100.0
Bulrush Millet	4,350	59.1	80	1.1	0	.0	2,247	30.5	0	.0	0	.0	631	8.6	56	.8	7,364	100.0
Finger Millet	10,827	43.5	352	1.4	0	.0	8,214	33.0	416	1.7	287	1.2	4,636	18.6	159	.6	24,892	100.0
Wheat	1,758	53.7	232	7.1	0	.0	771	23.5	0	.0	0	.0	513	15.7	0	.0	3,275	100.0
Barley	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	191	100.0	0	.0	191	100.0
CEREALS	**759,122**	**37.1**	**42,746**	**2.1**	**3,093**	**.2**	**1,012,745**	**49.6**	**49,123**	**2.4**	**11,675**	**.6**	**162,312**	**7.9**	**2,584**	**.1**	**2,043,399**	**100.0**
Cassava	3,221	29.2	548	5.0	0	.0	4,072	36.9	420	3.8	0	.0	2,627	23.8	159	1.4	11,047	100.0
Sweet Potato	81,541	28.4	7,704	2.7	1,968	.7	85,318	29.7	320	.1	11,726	4.1	91,877	32.0	6,790	2.4	287,244	100.0
Irish potatoes	9,751	26.2	2,731	7.3	0	.0	2,535	6.8	0	.0	2,990	8.0	19,084	51.3	88	.2	37,179	100.0
Yams	12,480	48.5	1,847	7.2	16	.1	3,174	12.3	75	.3	1,064	4.1	7,033	27.3	62	.2	25,751	100.0
Coco Yam	16,758	27.2	4,033	6.5	1,235	2.0	15,151	24.6	32	.1	3,001	4.9	19,534	31.7	1,927	3.1	61,670	100.0
ROOTS & TUBERS	**123,751**	**29.3**	**16,863**	**4.0**	**3,220**	**.8**	**110,251**	**26.1**	**847**	**.2**	**18,780**	**4.4**	**140,155**	**33.1**	**9,025**	**2.1**	**422,891**	**100.0**
Mung Bean	2,369	33.1	334	4.7	0	.0	3,214	45.0	271	3.8	128	1.8	830	11.6	0	.0	7,146	100.0
Beans	246,635	30.7	16,003	2.0	1,593	.2	443,862	55.2	29,884	3.7	2,442	.3	60,956	7.6	2,423	.3	803,797	100.0
Cowpeas	37,306	34.1	2,535	2.3	616	.6	43,509	39.8	2,386	2.2	615	.6	21,375	19.6	974	.9	109,317	100.0
Green gram	9,903	24.0	124	.3	56	.1	21,668	52.5	220	.5	380	.9	8,919	21.6	27	.1	41,297	100.0
Chick peas	29	1.9	159	10.4	0	.0	526	34.4	0	.0	0	.0	817	53.4	0	.0	1,530	100.0
Bambaranuts	7,873	49.1	0	.0	0	.0	6,910	43.1	0	.0	276	1.7	875	5.5	92	.6	16,026	100.0
Field Peas	1,726	18.6	0	.0	0	.0	5,191	56.0	260	2.8	0	.0	2,091	22.6	0	.0	9,268	100.0
PULSES	**305,841**	**30.9**	**19,156**	**1.9**	**2,264**	**.2**	**524,880**	**53.1**	**33,020**	**3.3**	**3,841**	**.4**	**95,863**	**9.7**	**3,516**	**.4**	**988,381**	**100.0**
Sunflower	2,322	14.7	557	3.5	58	.4	5,914	37.4	2,271	14.3	0	.0	4,654	29.4	52	.3	15,827	100.0
Simsim	2,520	15.9	87	.6	0	.0	2,685	17.0	245	1.5	42	.3	10,242	64.7	0	.0	15,821	100.0
Groundnut	54,845	32.3	2,634	1.6	92	.1	95,474	56.2	759	.4	394	.2	15,442	9.1	259	.2	169,898	100.0
Soya Beans	248	15.8	0	.0	0	.0	1,015	64.4	0	.0	0	.0	312	19.8	0	.0	1,576	100.0
Castor Fung	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	371	100.0	0	.0	371	100.0
OIL SEEDS & OIL NUTS	**59,936**	**29.5**	**3,278**	**1.6**	**150**	**.1**	**105,088**	**51.6**	**3,275**	**1.6**	**436**	**.2**	**31,020**	**15.2**	**310**	**.2**	**203,493**	**100.0**

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Cont. 5.22 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, NATIONAL

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	2,177	16.9	190	1.5	0	.0	2,082	16.1	52	.4	45	.3	8,223	63.7	140	1.1	12,908	100.0
Radish	327	30.3	30	2.8	0	.0	433	40.2	0	.0	0	.0	287	26.6	0	.0	1,078	100.0
Turmeric	277	51.9	30	5.7	0	.0	95	17.7	0	.0	32	5.9	101	18.8	0	.0	534	100.0
Bitteer Aubergine	1,703	16.9	30	.3	0	.0	625	6.2	0	.0	0	.0	7,605	75.6	92	.9	10,056	100.0
Kothmir	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	31	100.0	0	.0	31	100.0
Onion	1,071	10.7	0	.0	0	.0	649	6.5	88	.9	206	2.1	8,021	79.9	0	.0	10,035	100.0
Ginger	880	27.7	0	.0	0	.0	0	.0	0	.0	0	.0	2,294	72.3	0	.0	3,174	100.0
Zukkin	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	25	100.0	0	.0	25	100.0
Star Fruit	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	16	100.0	0	.0	16	100.0
Cabbage	2,353	14.4	199	1.2	0	.0	1,014	6.2	174	1.1	232	1.4	12,042	73.9	276	1.7	16,291	100.0
Tomatoes	7,066	14.1	765	1.5	16	.0	1,831	3.7	32	.1	383	.8	39,224	78.5	655	1.3	49,972	100.0
Spinach	924	13.2	30	.4	0	.0	476	6.8	87	1.2	0	.0	5,474	78.3	0	.0	6,991	100.0
Carrot	260	11.7	0	.0	0	.0	87	3.9	122	5.5	0	.0	1,745	78.8	0	.0	2,214	100.0
Chillies	2,023	19.1	30	.3	0	.0	354	3.3	144	1.4	150	1.4	7,864	74.4	0	.0	10,566	100.0
Amaranths	3,935	22.3	1,333	7.6	42	.2	702	4.0	43	.2	0	.0	11,494	65.3	58	.3	17,608	100.0
Pumpkins	2,836	31.5	186	2.1	74	.8	282	3.1	140	1.5	179	2.0	5,309	59.0	0	.0	9,005	100.0
Cucumber	889	16.7	30	.6	0	.0	90	1.7	0	.0	37	.7	4,282	80.3	0	.0	5,330	100.0
Egg Plant	1,425	35.6	123	3.1	16	.4	123	3.1	0	.0	0	.0	2,131	53.2	184	4.6	4,002	100.0
Water Mellon	172	4.1	0	.0	0	.0	94	2.3	0	.0	0	.0	3,813	91.6	85	2.0	4,164	100.0
Malay	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
FRUITS & VEGETABLES	**28,318**	**17.3**	**2,978**	**1.8**	**149**	**.1**	**8,938**	**5.5**	**881**	**.5**	**1,264**	**.8**	**119,983**	**73.2**	**1,491**	**.9**	**164,001**	**100.0**
Cotton	2,666	2.1	2,405	1.9	182	.1	4,363	3.5	159	.1	4,705	3.8	109,994	88.3	150	.1	124,625	100.0
Tobacco	505	7.3	0	.0	0	.0	522	7.6	52	.7	0	.0	5,816	84.4	0	.0	6,894	100.0
Pyrethrum	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	1,273	100.0	0	.0	1,273	100.0
Jute	37	100.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	37	100.0
Seaweed	562	44.0	32	2.5	0	.0	274	21.4	0	.0	0	.0	411	32.2	0	.0	1,278	100.0
CASH CROPS	**3,771**	**2.8**	**2,437**	**1.8**	**182**	**.1**	**5,159**	**3.8**	**210**	**.2**	**4,705**	**3.5**	**117,495**	**87.6**	**150**	**.1**	**134,107**	**100.0**
Total	**1280738**	**32.4**	**87,458**	**2.2**	**9,057**	**.2**	**1767061**	**44.7**	**87,355**	**2.2**	**40,701**	**1.0**	**666,826**	**16.9**	**17,076**	**.4**	**3956273**	**100.0**

5.23 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season, NATIONAL

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	1,435,391	41.1	81,684	2.3	8,748	.3	2.E+06	48.7	76,090	2.2	24,398	.7	148,113	4.2	15,145	.4	3,491,793	100.0
Paddy	317,972	34.7	20,367	2.2	1,361	.1	505,945	55.2	4,127	.5	5,981	.7	54,833	6.0	5,686	.6	916,273	100.0
Sorghum	392,756	58.7	6,341	.9	920	.1	208,790	31.2	1,524	.2	6,301	.9	45,797	6.8	6,673	1.0	669,102	100.0
Bulrush Millet	86,050	46.6	1,068	.6	222	.1	84,213	45.6	216	.1	2,385	1.3	9,354	5.1	1,152	.6	184,661	100.0
Finger Millet	44,873	34.2	1,354	1.0	163	.1	52,159	39.7	545	.4	369	.3	30,944	23.6	884	.7	131,292	100.0
Wheat	16,665	23.5	400	.6	169	.2	44,903	63.3	40	.1	277	.4	8,205	11.6	246	.3	70,905	100.0
Barley	0	.0	0	.0	0	.0	178	50.0	0	.0	0	.0	178	50.0	0	.0	356	100.0
CEREALS	**2,293,706**	**42.0**	**111,215**	**2.0**	**11,583**	**.2**	**2,598,412**	**47.6**	**82,541**	**1.5**	**39,712**	**.7**	**297,424**	**5.4**	**29,787**	**.5**	**5,464,382**	**100.0**
Cassava	3,224	21.3	366	2.4	176	1.2	7,630	50.4	212	1.4	31	.2	3,366	22.2	126	.8	15,131	100.0
Sweet Potato	189,451	39.1	8,126	1.7	2,064	.4	147,973	30.6	1,154	.2	13,007	2.7	109,255	22.6	12,982	2.7	484,013	100.0
Irish potatoes	16,736	22.7	2,191	3.0	119	.2	10,968	14.9	229	.3	5,466	7.4	32,782	44.4	5,295	7.2	73,786	100.0
Yams	7,945	52.7	700	4.6	0	.0	1,727	11.5	0	.0	589	3.9	3,852	25.6	249	1.7	15,063	100.0
Coco Yam	8,607	27.4	1,502	4.8	0	.0	5,168	16.5	340	1.1	440	1.4	15,142	48.3	157	.5	31,355	100.0
ROOTS & TUBERS	**225,962**	**36.5**	**12,886**	**2.1**	**2,360**	**.4**	**173,466**	**28.0**	**1,935**	**.3**	**19,533**	**3.2**	**164,396**	**26.5**	**18,810**	**3.0**	**619,348**	**100.0**
Mung Bean	5,978	53.2	0	.0	140	1.2	3,665	32.6	0	.0	88	.8	1,359	12.1	0	.0	11,230	100.0
Beans	342,008	28.0	22,608	1.8	2,969	.2	702,383	57.5	42,941	3.5	2,814	.2	98,477	8.1	8,303	.7	1,222,504	100.0
Cowpeas	87,276	40.1	5,358	2.5	744	.3	85,524	39.3	2,015	.9	799	.4	33,334	15.3	2,555	1.2	217,606	100.0
Green gram	26,967	35.9	1,372	1.8	0	.0	28,042	37.3	569	.8	234	.3	16,880	22.5	1,116	1.5	75,180	100.0
Chick peas	13,996	30.9	873	1.9	197	.4	22,377	49.4	205	.5	277	.6	7,323	16.2	71	.2	45,319	100.0
Bambaranuts	60,511	43.2	1,880	1.3	509	.4	63,285	45.2	712	.5	765	.5	11,198	8.0	1,181	.8	140,042	100.0
Field Peas	8,090	17.6	149	.3	40	.1	23,522	51.1	272	.6	295	.6	13,134	28.5	526	1.1	46,028	100.0
PULSES	**544,828**	**31.0**	**32,240**	**1.8**	**4,598**	**.3**	**928,798**	**52.8**	**46,714**	**2.7**	**5,273**	**.3**	**181,704**	**10.3**	**13,753**	**.8**	**1,757,908**	**100.0**
Sunflower	58,959	12.2	5,505	1.1	1,012	.2	195,039	40.4	5,401	1.1	2,090	.4	211,421	43.8	3,072	.6	482,501	100.0
Simsim	37,677	17.4	1,492	.7	641	.3	39,108	18.1	1,356	.6	992	.5	133,430	61.6	1,842	.9	216,539	100.0
Groundnut	278,006	32.0	16,987	2.0	2,234	.3	467,643	53.7	6,318	.7	4,666	.5	89,407	10.3	4,823	.6	870,084	100.0
Soya Beans	4,169	26.3	30	.2	0	.0	3,699	23.4	201	1.3	0	.0	7,654	48.3	81	.5	15,833	100.0
Castor Fung	477	77.7	0	.0	0	.0	56	9.0	0	.0	0	.0	81	13.3	0	.0	614	100.0
OIL SEEDS & OIL NUTS	**379,289**	**23.9**	**24,014**	**1.5**	**3,887**	**.2**	**705,545**	**44.5**	**13,276**	**.8**	**7,748**	**.5**	**441,994**	**27.9**	**9,819**	**.6**	**1,585,571**	**100.0**

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Cont. 5.23 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season, NATIONAL

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	2,578	16.0	412	2.6	61	.4	3,448	21.4	0	.0	87	.5	9,200	57.2	310	1.9	16,096	100.0
Radish	529	28.1	76	4.0	0	.0	949	50.3	0	.0	0	.0	332	17.6	0	.0	1,886	100.0
Turmeric	563	30.8	0	.0	0	.0	806	44.1	0	.0	32	1.7	428	23.4	0	.0	1,828	100.0
Bitteer Aubergine	1,931	12.6	92	.6	0	.0	417	2.7	0	.0	30	.2	12,725	83.3	88	.6	15,283	100.0
Kothmir	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Onion	3,370	13.3	385	1.5	0	.0	2,283	9.0	0	.0	1,023	4.0	17,701	70.0	510	2.0	25,273	100.0
Ginger	604	32.1	0	.0	0	.0	235	12.5	0	.0	0	.0	1,045	55.5	0	.0	1,884	100.0
Zukkin	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	30	100.0	0	.0	30	100.0
Star Fruit	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Cabbage	2,585	10.6	159	.7	92	.4	1,789	7.4	102	.4	80	.3	19,097	78.5	423	1.7	24,326	100.0
Tomatoes	10,703	12.5	832	1.0	0	.0	2,690	3.1	30	.0	691	.8	69,346	80.9	1,423	1.7	85,715	100.0
Spinach	2,809	13.5	69	.3	30	.1	1,317	6.3	0	.0	267	1.3	15,535	74.8	745	3.6	20,773	100.0
Carrot	88	3.4	0	.0	0	.0	345	13.2	0	.0	0	.0	2,178	83.4	0	.0	2,611	100.0
Chillies	386	4.1	152	1.6	0	.0	135	1.4	30	.3	0	.0	8,620	90.8	171	1.8	9,494	100.0
Amaranths	1,597	9.0	193	1.1	0	.0	828	4.7	87	.5	143	.8	14,407	81.1	508	2.9	17,763	100.0
Pumpkins	2,616	23.7	713	6.4	100	.9	1,491	13.5	0	.0	16	.1	5,803	52.5	317	2.9	11,056	100.0
Cucumber	319	7.1	61	1.4	0	.0	855	19.2	0	.0	0	.0	3,224	72.3	0	.0	4,459	100.0
Egg Plant	1,780	40.2	359	8.1	0	.0	0	.0	0	.0	0	.0	2,139	48.3	151	3.4	4,429	100.0
Water Mellon	225	7.0	30	.9	0	.0	0	.0	0	.0	309	9.5	2,675	82.6	0	.0	3,240	100.0
Malay	0	.0	0	.0	0	.0	71	100.0	0	.0	0	.0	0	.0	0	.0	71	100.0
FRUITS & VEGETABLES	**32,683**	**1.0**	**3,533**	**.1**	**283**	**.0**	**1,428,747**	**41.8**	**250**	**.0**	**2,678**	**.1**	**184,485**	**5.4**	**4,646**	**.1**	**3,417,358**	**100.0**
Cotton	8,874	3.2	7,844	2.8	358	.1	5,515	2.0	129	.0	9,206	3.3	247,438	88.5	142	.1	279,506	100.0
Tobacco	2,911	4.3	583	.9	129	.2	4,969	7.3	0	.0	81	.1	59,137	87.1	87	.1	67,897	100.0
Pyrethrum	0	.0	0	.0	0	.0	619	8.2	0	.0	0	.0	6,863	90.9	66	.9	7,548	100.0
Jute	0	.0	45	100.0	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0	45	100.0
Seaweed	571	31.7	27	1.5	0	.0	388	21.5	0	.0	0	.0	817	45.3	0	.0	1,803	100.0
CASH CROPS	**12,356**	**3.5**	**8,499**	**2.4**	**487**	**.1**	**11,492**	**3.2**	**129**	**.0**	**9,288**	**2.6**	**314,254**	**88.1**	**294**	**.1**	**356,800**	**100.0**
Total	**3,488,823**	**34.8**	**192,386**	**1.9**	**23,199**	**.2**	**4,435,371**	**44.2**	**144,845**	**1.4**	**84,233**	**.8**	**1,584,258**	**15.8**	**77,110**	**.8**	**10,030,224**	**100.0**

INPUT USE 2007/08 AGRICULTURE SAMPLE CENSUS

5.24: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Organic Fertiliser Use and Region - SHORT RAINY SEASON

Regions	Organic Fertlizer Use						% of Planted area using Organic Fertlizer
	Number of Households using Organic Fertlizer	Planted Area Applied with Organic Fertlizer	Number of Households NOT using Organic Fertlizer	Planted Area NOT Applied with Organic Fertlizer	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	0	0	364	814	364	814	-
Arusha	9,249	4,996	35,133	29,001	44,381	33,997	14.7
Kilimanjaro	46,552	14,228	93,396	64,596	139,948	78,824	18.1
Tanga	14,895	6,459	192,560	172,069	207,455	178,527	3.6
Morogoro	3,587	3,145	179,076	234,030	182,663	237,174	1.3
Pwani	3,058	1,375	81,470	58,291	84,527	59,666	2.3
Dar es Salaam	5,603	2,219	7,866	4,054	13,469	6,273	35.4
Lindi	0	0	2,366	1,294	2,366	1,294	-
Mtwara	0	0	735	666	735	666	-
Ruvuma	0	0	432	501	432	501	-
Iringa	0	0	1,388	1,116	1,388	1,116	-
Mbeya	11,878	5,401	85,762	47,172	97,639	52,573	10.3
Singida	0	0	0	0	0	0	0.0
Tabora	0	0	393	601	393	601	-
Rukwa	225	46	2,296	3,004	2,521	3,050	1.5
Kigoma	8,743	3,556	174,264	146,826	183,006	150,382	2.4
Shinyanga	2,856	3,594	4,631	15,270	7,487	18,864	19.1
Kagera	28,241	10,649	342,055	234,678	370,296	245,327	4.3
Mwanza	48,328	35,894	299,533	476,464	347,861	512,358	7.0
Mara	15,108	11,421	153,657	158,796	168,765	170,217	6.7
Manyara	5,560	4,577	8,976	6,598	14,536	11,175	41.0
MAINLAND	**203,883**	**107,710**	**1,666,350**	**1,655,441**	**1,870,233**	**1,763,152**	**6.1**
North Unguja	1,956	740	12,309	4,984	14,264	5,724	12.9
South Unguja	3,062	1,086	8,546	3,242	11,609	4,328	25.1
Urban West	1,507	484	4,333	1,250	5,840	1,734	27.9
North Pemba	803	341	6,090	1,719	6,894	2,060	16.6
South Pemba	173	45	2,740	914	2,913	960	4.7
ZANZIBAR	**7,502**	**2,696**	**34,018**	**12,109**	**41,520**	**14,805**	**18.2**
NATIONAL	**211,385**	**110,406**	**1,700,369**	**1,667,550**	**1,911,753**	**1,777,956**	**6.2**

5.25: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Organic Fertiliser Use and Region - LONG RAINY SEASON

Regions	Organic Fertlizer Use						% of Planted area using Organic Fertlizer
	Number of Households using Organic Fertlizer	Planted Area Applied with Organic Fertlizer	Number of Households NOT using Organic Fertlizer	Planted Area NOT Applied with Organic Fertlizer	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Dodoma	43,446	48,843	314,523	698,172	357,968	747,014	6.5
Arusha	23,751	16,205	126,524	150,756	150,275	166,961	9.7
Kilimanjaro	25,258	8,618	126,962	92,729	152,220	101,347	8.5
Tanga	9,199	4,679	228,962	253,519	238,161	258,198	1.8
Morogoro	2,941	928	190,718	237,464	193,658	238,392	0.4
Pwani	2,870	1,253	87,036	81,822	89,906	83,076	1.5
Dar es Salaam	6,761	3,507	15,378	9,775	22,139	13,282	26.4
Lindi	633	588	158,797	166,002	159,430	166,590	0.4
Mtwara	2,856	1,818	213,275	182,983	216,131	184,800	1.0
Ruvuma	14,790	8,948	186,778	291,897	201,568	300,845	3.0
Iringa	45,317	32,199	258,401	386,481	303,718	418,681	7.7
Mbeya	26,805	17,448	404,409	498,363	431,213	515,810	3.4
Singida	53,838	54,586	162,070	410,322	215,908	464,907	11.7
Tabora	46,099	53,339	241,549	634,962	287,648	688,301	7.7
Rukwa	10,885	11,411	205,120	414,929	216,005	426,340	2.7
Kigoma	1,076	220	75,464	43,039	76,540	43,259	0.5
Shinyanga	51,173	63,845	426,996	1,361,539	478,170	1,425,384	4.5
Kagera	11,214	2,556	180,136	81,272	191,349	83,828	3.0
Mwanza	15,953	7,786	140,886	145,726	156,839	153,512	5.1
Mara	12,916	8,888	124,193	118,370	137,108	127,258	7.0
Manyara	35,574	27,699	150,853	357,586	186,427	385,285	7.2
MAINLAND	**443,353**	**375,364**	**4,019,029**	**6,617,707**	**4,462,382**	**6,993,071**	**5.4**
North Unguja	2,254	925	18,105	8,396	20,359	9,321	9.9
South Unguja	1,474	751	6,169	2,750	7,642	3,500	21.5
Urban West	1,162	388	6,782	2,436	7,944	2,825	13.7
North Pemba	1,444	587	26,096	10,762	27,540	11,350	5.2
South Pemba	473	275	24,405	10,382	24,878	10,658	2.6
ZANZIBAR	**6,806**	**2,926**	**81,558**	**34,727**	**88,364**	**37,653**	**7.8**
NATIONAL	**450,159**	**378,290**	**4,100,586**	**6,652,434**	**4,550,745**	**7,030,724**	**5.4**

5.26: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Inorganic Fertiliser Use and Region - SHORT RAINY SEASON

Regions	Inorganic Fertilizer Use						% of Planted area using Inorganic Fertilizer
	Number of Households using Inorganic Fertilizer	Planted Area Applied with Inorganic Fertilizer	Number of Households NOT using Inorganic Fertilizer	Planted Area NOT Applied with Inorganic Fertilizer	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	167	142	647	364	814	20.6
Arusha	8,553	5,158	35,828	28,839	44,381	33,997	15.2
Kilimanjaro	35,996	14,707	103,951	64,117	139,948	78,824	18.7
Tanga	8,580	2,710	198,875	175,817	207,455	178,527	1.5
Morogoro	18,451	17,482	164,211	219,692	182,663	237,174	7.4
Pwani	1,618	800	82,909	58,866	84,527	59,666	1.3
Dar es Salaam	1,245	431	12,224	5,843	13,469	6,273	6.9
Lindi	1,567	444	799	850	2,366	1,294	34.3
Mtwara	0	0	735	666	735	666	0.0
Ruvuma	81	25	351	476	432	501	4.9
Iringa	553	288	835	827	1,388	1,116	25.8
Mbeya	21,115	9,707	76,524	42,866	97,639	52,573	18.5
Singida	0	0	0	0	0	0	0.0
Tabora	0	0	393	601	393	601	0.0
Rukwa	0	0	2,521	3,050	2,521	3,050	0.0
Kigoma	14,828	7,034	168,179	143,349	183,006	150,382	4.7
Shinyanga	1,757	2,051	5,730	16,812	7,487	18,864	10.9
Kagera	3,021	1,180	367,275	244,147	370,296	245,327	0.5
Mwanza	11,012	4,300	336,849	508,058	347,861	512,358	0.8
Mara	5,673	3,392	163,091	166,825	168,765	170,217	2.0
Manyara	729	501	13,807	10,674	14,536	11,175	4.5
MAINLAND	**892**	**70,376**	**1,869,341**	**1,693,023**	**1,870,233**	**1,763,399**	**4.0**
North Unguja	975	379	13,290	5,345	14,264	5,724	6.6
South Unguja	785	348	10,824	3,980	11,609	4,328	8.0
Urban West	110	214	5,731	1,520	5,840	1,734	12.3
North Pemba	138	33	6,756	2,026	6,894	2,060	1.6
South Pemba	2,899	42	14	917	2,913	960	4.4
ZANZIBAR	**137,901**	**1,016**	**-96,381**	**13,788**	**41,520**	**14,805**	**6.9**
NATIONAL	**211,385**	**71,393**	**1,700,369**	**1,706,811**	**1,911,753**	**1,778,204**	**4.0**

5.27: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Inorganic Fertiliser Use and Region - LONG RAINY SEASON

Regions	Inorganic Fertilizer Fertlizer Use						% of Planted area using Inorganic Fertilizer
	Number of Households using Inorganic Fertilizer	Planted Area Applied with Inorganic Fertilizer	Number of Households NOT using Inorganic Fertilizer	Planted Area NOT Applied with Inorganic Fertilizer	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Dodoma	1,569	1,011	356,400	746,003	357,968	747,014	0.1
Arusha	16,456	9,433	133,819	157,528	150,275	166,961	5.7
Kilimanjaro	61,464	28,577	90,756	72,771	152,220	101,347	28.2
Tanga	5,227	2,159	232,934	256,040	238,161	258,198	0.8
Morogoro	25,167	20,217	168,491	218,175	193,658	238,392	8.5
Pwani	820	357	89,085	82,719	89,906	83,076	0.4
Dar es Salaam	3,090	1,823	19,049	11,459	22,139	13,282	13.7
Lindi	1,018	554	158,412	166,036	159,430	166,590	0.3
Mtwara	6,193	5,910	209,938	178,890	216,131	184,800	3.2
Ruvuma	82,760	83,157	118,808	217,688	201,568	300,845	27.6
Iringa	114,260	103,409	189,458	315,272	303,718	418,681	24.7
Mbeya	152,562	121,502	278,651	394,308	431,213	515,810	23.6
Singida	3,476	6,661	212,432	458,247	215,908	464,907	1.4
Tabora	57,489	73,080	230,158	615,221	287,648	688,301	10.6
Rukwa	20,028	27,723	195,978	398,617	216,005	426,340	6.5
Kigoma	2,667	1,012	73,873	42,247	76,540	43,259	2.3
Shinyanga	13,274	13,070	464,896	1,412,314	478,170	1,425,384	0.9
Kagera	1,685	238	189,664	83,590	191,349	83,828	0.3
Mwanza	4,265	895	152,574	152,617	156,839	153,512	0.6
Mara	4,134	2,282	132,974	124,976	137,108	127,258	1.8
Manyara	2,408	1,312	184,020	383,973	186,427	385,285	0.3
MAINLAND	**580,012**	**504,381**	**3,882,370**	**6,488,690**	**4,462,382**	**6,993,071**	**7.2**
North Unguja	1,898	843	18,462	8,477	20,359	9,321	9.0
South Unguja	1,064	454	6,578	3,046	7,642	3,500	13.0
Urban West	1,099	317	6,845	2,508	7,944	2,825	11.2
North Pemba	1,010	371	26,530	10,978	27,540	11,350	3.3
South Pemba	1,709	622	23,169	10,036	24,878	10,658	5.8
ZANZIBAR	**6,779**	**2,608**	**81,584**	**35,045**	**88,364**	**37,653**	**6.9**
NATIONAL	**586,791**	**506,989**	**3,963,954**	**6,523,735**	**4,550,745**	**7,030,724**	**7.2**

5.28: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Fungicide Use and Region - Short Rainy Season

Regions	Fungicide Use						% of Planted area using Fungicide
	Number of Households using Fungicide	Planted Area Applied with Fungicide	Number of Households NOT using Fungicide	Planted Area NOT Applied with Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	34	142	780	364	814	4.2
Arusha	6,549	3,432	37,833	30,565	44,381	33,997	10.1
Kilimanjaro	8,107	3,333	131,841	75,490	139,948	78,824	4.2
Tanga	6,665	1,665	200,790	176,862	207,455	178,527	0.9
Morogoro	3,471	3,011	179,192	234,164	182,663	237,174	1.3
Pwani	2,175	1,055	82,353	58,611	84,527	59,666	1.8
Dar es Salaam	2,402	1,106	11,067	5,205	13,469	6,311	17.5
Lindi	456	146	1,910	1,148	2,366	1,294	11.3
Mtwara	0	0	735	666	735	666	.
Ruvuma	0	0	432	501	432	501	.
Iringa	0	0	1,388	1,116	1,388	1,116	.
Mbeya	1,192	944	96,448	51,629	97,639	52,573	1.8
Singida	0	0	0	0	0	0	-
Tabora	142	287	252	315	393	601	47.7
Rukwa	402	152	2,119	2,898	2,521	3,050	5.0
Kigoma	2,768	995	180,238	149,388	183,006	150,382	0.7
Shinyanga	0	0	7,487	18,864	7,487	18,864	.
Kagera	5,155	953	365,141	244,374	370,296	245,327	0.4
Mwanza	6,454	1,771	341,407	510,587	347,861	512,358	0.3
Mara	4,345	1,498	164,420	168,720	168,765	170,217	0.9
Manyara	961	329	13,575	10,846	14,536	11,175	2.9
MAINLAND	**51,465**	**20,711**	**1,818,768**	**1,742,726**	**1,870,233**	**1,763,437**	**1.2**
North Unguja	82	45	14,182	5,679	14,264	5,724	0.8
South Unguja	274	222	11,335	4,106	11,609	4,328	5.1
Urban West	126	73	5,715	1,661	5,840	1,734	4.2
North Pemba	0	0	6,894	2,060	6,894	2,060	.
South Pemba	27	22	2,886	938	2,913	960	2.3
ZANZIBAR	**508**	**362**	**41,012**	**14,443**	**41,520**	**14,805**	**2.4**
NATIONAL	**51,973**	**21,072**	**1,859,780**	**1,757,169**	**1,911,753**	**1,778,241**	**1.2**

5.28: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Fungicide Use and Region - Short Rainy Season

Regions	Fungicide Use						% of Planted area using Fungicide
	Number of Households using Fungicide	Planted Area Applied with Fungicide	Number of Households NOT using Fungicide	Planted Area NOT Applied with Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	34	142	780	364	814	4.2
Arusha	6,549	3,432	37,833	30,565	44,381	33,997	10.1
Kilimanjaro	8,107	3,333	131,841	75,490	139,948	78,824	4.2
Tanga	6,665	1,665	200,790	176,862	207,455	178,527	0.9
Morogoro	3,471	3,011	179,192	234,164	182,663	237,174	1.3
Pwani	2,175	1,055	82,353	58,611	84,527	59,666	1.8
Dar es Salaam	2,402	1,106	11,067	5,205	13,469	6,311	17.5
Lindi	456	146	1,910	1,148	2,366	1,294	11.3
Mtwara	0	0	735	666	735	666	.
Ruvuma	0	0	432	501	432	501	.
Iringa	0	0	1,388	1,116	1,388	1,116	.
Mbeya	1,192	944	96,448	51,629	97,639	52,573	1.8
Singida	0	0	0	0	0	0	-
Tabora	142	287	252	315	393	601	47.7
Rukwa	402	152	2,119	2,898	2,521	3,050	5.0
Kigoma	2,768	995	180,238	149,388	183,006	150,382	0.7
Shinyanga	0	0	7,487	18,864	7,487	18,864	.
Kagera	5,155	953	365,141	244,374	370,296	245,327	0.4
Mwanza	6,454	1,771	341,407	510,587	347,861	512,358	0.3
Mara	4,345	1,498	164,420	168,720	168,765	170,217	0.9
Manyara	961	329	13,575	10,846	14,536	11,175	2.9
MAINLAND	**51,465**	**20,711**	**1,818,768**	**1,742,726**	**1,870,233**	**1,763,437**	**1.2**
North Unguja	82	45	14,182	5,679	14,264	5,724	0.8
South Unguja	274	222	11,335	4,106	11,609	4,328	5.1
Urban West	126	73	5,715	1,661	5,840	1,734	4.2
North Pemba	0	0	6,894	2,060	6,894	2,060	.
South Pemba	27	22	2,886	938	2,913	960	2.3
ZANZIBAR	**508**	**362**	**41,012**	**14,443**	**41,520**	**14,805**	**2.4**
NATIONAL	**51,973**	**21,072**	**1,859,780**	**1,757,169**	**1,911,753**	**1,778,241**	**1.2**

5.29: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Fungicide Use and Region - Long Rainy Season

Regions	Fungicide Use						% of Planted area using Fungicide
	Number of Households using Fungicide	Planted Area Applied with Fungicide	Number of Households NOT using Fungicide	Planted Area NOT Applied with Fungicide	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Dodoma	4,563	8,522	353,406	738,492	357,968	747,014	1.1
Arusha	6,488	3,813	143,788	163,149	150,275	166,961	2.3
Kilimanjaro	7,205	2,437	145,015	98,910	152,220	101,347	2.4
Tanga	5,694	1,411	232,468	256,787	238,161	258,198	0.5
Morogoro	6,972	3,026	186,686	235,366	193,658	238,392	1.3
Pwani	894	296	89,012	82,780	89,906	83,076	0.4
Dar es Salaam	1,535	590	20,603	12,692	22,139	13,282	4.4
Lindi	2,076	2,321	157,354	164,269	159,430	166,590	1.4
Mtwara	2,330	1,345	213,801	183,455	216,131	184,800	0.7
Ruvuma	4,689	2,842	196,878	298,003	201,568	300,845	0.9
Iringa	29,622	17,338	274,096	401,343	303,718	418,681	4.1
Mbeya	15,195	6,226	416,018	509,584	431,213	515,810	1.2
Singida	2,451	1,975	213,457	462,932	215,908	464,907	0.4
Tabora	8,882	8,831	278,766	679,470	287,648	688,301	1.3
Rukwa	5,581	3,839	210,424	422,501	216,005	426,340	0.9
Kigoma	1,023	160	75,516	43,099	76,540	43,259	0.4
Shinyanga	8,574	9,546	469,596	1,415,839	478,170	1,425,384	0.7
Kagera	4,241	735	187,108	83,094	191,349	83,828	0.9
Mwanza	5,107	1,294	151,732	152,218	156,839	153,512	0.8
Mara	2,472	1,256	134,636	126,002	137,108	127,258	1.0
Manyara	3,792	6,064	182,636	379,221	186,427	385,285	1.6
MAINLAND	**129,387**	**83,866**	**4,332,995**	**6,909,205**	**4,462,382**	**6,993,071**	**1.2**
North Unguja	114	33	20,245	9,288	20,359	9,321	0.4
South Unguja	213	94	7,430	3,407	7,642	3,500	2.7
Urban West	31	19	7,913	2,805	7,944	2,825	0.7
North Pemba	29	4	27,511	11,345	27,540	11,350	.
South Pemba	80	26	24,798	10,632	24,878	10,658	0.2
ZANZIBAR	**468**	**176**	**87,896**	**37,477**	**88,364**	**37,653**	**0.5**
NATIONAL	**129,854**	**84,042**	**4,420,891**	**6,946,682**	**4,550,745**	**7,030,724**	**1.2**

5.30 : ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Herbicide Use and Region - Short Rainy Season

Regions	Herbicide Use						% of Planted area using Herbicide
	Number of Households using Herbicide	Planted Area Applied with Herbicide	Number of Households NOT using Herbicides	Planted Area NOT Applied with Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	106	142	708	364	814	13.0
Arusha	4,631	3,521	39,751	30,476	44,381	33,997	10.4
Kilimanjaro	11,021	8,273	128,927	70,551	139,948	78,824	10.5
Tanga	1,797	618	205,658	177,909	207,455	178,527	0.3
Morogoro	35,982	48,539	146,681	188,635	182,663	237,174	20.5
Pwani	548	335	83,979	59,331	84,527	59,666	0.6
Dar es Salaam	333	105	13,136	6,169	13,469	6,273	1.7
Lindi	0	0	2,366	1,294	2,366	1,294	0.0
Mtwara	0	0	735	666	735	666	0.0
Ruvuma	0	0	432	501	432	501	0.0
Iringa	0	0	1,388	1,116	1,388	1,116	0.0
Mbeya	204	165	97,435	52,407	97,639	52,573	0.3
Singida	0	0	0	0	0	0	0.0
Tabora	0	0	393	601	393	601	0.0
Rukwa	0	0	2,521	3,050	2,521	3,050	0.0
Kigoma	302	42	182,704	150,340	183,006	150,382	0.0
Shinyanga	270	82	7,216	18,782	7,487	18,864	0.4
Kagera	601	70	369,695	245,257	370,296	245,327	0.0
Mwanza	799	601	347,062	511,757	347,861	512,358	0.1
Mara	394	314	168,370	169,904	168,765	170,217	0.2
Manyara	944	686	13,592	10,488	14,536	11,175	6.1
MAINLAND	**58,048**	**63,458**	**1,812,185**	**1,699,941**	**1,870,233**	**1,763,399**	**3.6**
North Unguja	267	123	13,998	5,601	14,264	5,724	2.1
South Unguja	669	414	10,940	3,914	11,609	4,328	9.6
Urban West	0	0	5,840	1,734	5,840	1,734	0.0
North Pemba	26	10	6,868	2,049	6,894	2,060	0.5
South Pemba	27	11	2,886	949	2,913	960	1.1
ZANZIBAR	**988**	**558**	**40,532**	**14,247**	**41,520**	**14,805**	**3.8**
NATIONAL	**59,035**	**64,016**	**1,852,718**	**1,714,188**	**1,911,753**	**1,778,204**	**3.6**

5.31: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Herbicide Use and Region - Long Rainy Season

Regions	Herbicide Use						% of Planted area using Herbicide
	Number of Households using Herbicide	Planted Area Applied with Herbicide	Number of Households NOT using Herbicides	Planted Area NOT Applied with Herbicide	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Dodoma	1,222	5,787	356,747	741,228	357,968	747,014	0.8
Arusha	9,028	8,386	141,248	158,575	150,275	166,961	5.0
Kilimanjaro	12,147	9,211	140,073	92,136	152,220	101,347	9.1
Tanga	2,407	987	235,755	257,211	238,161	258,198	0.4
Morogoro	24,258	30,595	169,400	207,797	193,658	238,392	12.8
Pwani	386	332	89,520	82,744	89,906	83,076	0.4
Dar es Salaam	529	266	21,610	13,016	22,139	13,282	2.0
Lindi	726	1,126	158,704	165,463	159,430	166,590	0.7
Mtwara	542	191	215,589	184,609	216,131	184,800	0.1
Ruvuma	2,284	1,810	199,283	299,035	201,568	300,845	0.6
Iringa	2,959	2,648	300,759	416,032	303,718	418,681	0.6
Mbeya	57,645	56,438	373,569	459,372	431,213	515,810	10.9
Singida	1,013	859	214,895	464,049	215,908	464,907	0.2
Tabora	5,797	7,782	281,851	680,519	287,648	688,301	1.1
Rukwa	4,146	3,036	211,859	423,304	216,005	426,340	0.7
Kigoma	146	3	76,394	43,256	76,540	43,259	0.0
Shinyanga	2,488	1,939	475,681	1,423,446	478,170	1,425,384	0.1
Kagera	921	108	190,428	83,720	191,349	83,828	0.1
Mwanza	627	269	156,213	153,243	156,839	153,512	0.2
Mara	301	198	136,808	127,060	137,108	127,258	0.2
Manyara	3,343	5,935	183,084	379,350	186,427	385,285	1.5
MAINLAND	**132,914**	**137,907**	**4,329,468**	**6,855,164**	**4,462,382**	**6,993,071**	**2.0**
North Unguja	1,051	498	19,309	8,823	20,359	9,321	5.3
South Unguja	608	311	7,034	3,190	7,642	3,500	8.9
Urban West	314	131	7,630	2,693	7,944	2,825	4.6
North Pemba	77	34	27,463	11,316	27,540	11,350	0.3
South Pemba	763	314	24,115	10,344	24,878	10,658	2.9
ZANZIBAR	**2,813**	**1,287**	**85,551**	**36,366**	**88,364**	**37,653**	**3.4**
NATIONAL	135,726	**139,194**	**4,415,019**	**6,891,530**	**4,550,745**	**7,030,815**	**2.0**

5.32: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Improved Seed Use and Region - Short Rainy Season

Regions	Improved Seed						% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	140	142	674	364	814	17.2
Arusha	23,263	13,195	21,119	20,802	44,381	33,997	38.8
Kilimanjaro	75,172	28,548	64,776	50,275	139,948	78,824	36.2
Tanga	24,444	14,293	183,011	164,235	207,455	178,527	8.0
Morogoro	28,580	26,962	154,083	210,213	182,663	237,174	11.4
Pwani	16,079	9,887	68,448	49,779	84,527	59,666	16.6
Dar es Salaam	8,916	3,618	4,553	2,655	13,469	6,273	57.7
Lindi	731	298	1,634	997	2,366	1,294	23.0
Mtwara	0	0	735	666	735	666	0.0
Ruvuma	81	25	351	476	432	501	4.9
Iringa	487	254	901	862	1,388	1,116	22.7
Mbeya	19,864	9,064	77,775	43,509	97,639	52,573	17.2
Singida	0	0	0	0	0	0	0.0
Tabora	142	287	252	315	393	601	47.7
Rukwa	931	617	1,590	2,433	2,521	3,050	20.2
Kigoma	12,874	6,161	170,132	144,221	183,006	150,382	4.1
Shinyanga	5,641	8,092	1,845	10,772	7,487	18,864	42.9
Kagera	29,434	13,589	340,862	231,738	370,296	245,327	5.5
Mwanza	151,162	144,723	196,699	367,635	347,861	512,358	28.2
Mara	39,595	27,927	129,169	142,291	168,765	170,217	16.4
Manyara	5,533	3,919	9,004	7,256	14,536	11,175	35.1
MAINLAND	**443,154**	**311,597**	**1,427,079**	**1,451,802**	**1,870,233**	**1,763,399**	**17.7**
North Unguja	1,808	574	12,457	5,149	14,264	5,724	10.0
South Unguja	2,566	832	9,043	3,496	11,609	4,328	19.2
Urban West	1,664	384	4,176	1,350	5,840	1,734	22.1
North Pemba	223	58	6,671	2,002	6,894	2,060	2.8
South Pemba	240	59	2,673	901	2,913	960	6.1
ZANZIBAR	**6,500**	**1,907**	**35,020**	**12,898**	**41,520**	**14,805**	**12.9**
NATIONAL	**449,654**	**313,504**	**1,462,099**	**1,464,700**	**1,911,753**	**1,778,204**	**17.6**

5.32: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Improved Seed Use and Region - Short Rainy Season

Regions	Improved Seed						% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	140	142	674	364	814	17.2
Arusha	23,263	13,195	21,119	20,802	44,381	33,997	38.8
Kilimanjaro	75,172	28,548	64,776	50,275	139,948	78,824	36.2
Tanga	24,444	14,293	183,011	164,235	207,455	178,527	8.0
Morogoro	28,580	26,962	154,083	210,213	182,663	237,174	11.4
Pwani	16,079	9,887	68,448	49,779	84,527	59,666	16.6
Dar es Salaam	8,916	3,618	4,553	2,655	13,469	6,273	57.7
Lindi	731	298	1,634	997	2,366	1,294	23.0
Mtwara	0	0	735	666	735	666	0.0
Ruvuma	81	25	351	476	432	501	4.9
Iringa	487	254	901	862	1,388	1,116	22.7
Mbeya	19,864	9,064	77,775	43,509	97,639	52,573	17.2
Singida	0	0	0	0	0	0	0.0
Tabora	142	287	252	315	393	601	47.7
Rukwa	931	617	1,590	2,433	2,521	3,050	20.2
Kigoma	12,874	6,161	170,132	144,221	183,006	150,382	4.1
Shinyanga	5,641	8,092	1,845	10,772	7,487	18,864	42.9
Kagera	29,434	13,589	340,862	231,738	370,296	245,327	5.5
Mwanza	151,162	144,723	196,699	367,635	347,861	512,358	28.2
Mara	39,595	27,927	129,169	142,291	168,765	170,217	16.4
Manyara	5,533	3,919	9,004	7,256	14,536	11,175	35.1
MAINLAND	**443,154**	**311,597**	**1,427,079**	**1,451,802**	**1,870,233**	**1,763,399**	**17.7**
North Unguja	1,808	574	12,457	5,149	14,264	5,724	10.0
South Unguja	2,566	832	9,043	3,496	11,609	4,328	19.2
Urban West	1,664	384	4,176	1,350	5,840	1,734	22.1
North Pemba	223	58	6,671	2,002	6,894	2,060	2.8
South Pemba	240	59	2,673	901	2,913	960	6.1
ZANZIBAR	**6,500**	**1,907**	**35,020**	**12,898**	**41,520**	**14,805**	**12.9**
NATIONAL	**449,654**	**313,504**	**1,462,099**	**1,464,700**	**1,911,753**	**1,778,204**	**17.6**

5.33: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Improved Seed Use and Region - Long Rainy Season

Regions	Improved Seed						% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Dodoma	77,345	108,183	280,624	638,831	357,968	747,014	14.5
Arusha	65,778	48,570	84,497	118,392	150,275	166,961	29.1
Kilimanjaro	89,032	43,612	63,188	57,736	152,220	101,347	43.0
Tanga	32,455	24,017	205,706	234,181	238,161	258,198	9.3
Morogoro	31,255	33,190	162,403	205,202	193,658	238,392	13.9
Pwani	12,707	8,463	77,198	74,613	89,906	83,076	10.2
Dar es Salaam	10,908	4,622	11,231	8,660	22,139	13,282	34.8
Lindi	19,590	15,454	139,840	151,136	159,430	166,590	9.3
Mtwara	25,603	12,247	190,527	172,554	216,131	184,800	6.6
Ruvuma	26,008	19,402	175,560	281,443	201,568	300,845	6.4
Iringa	69,462	59,356	234,256	359,325	303,718	418,681	14.2
Mbeya	108,987	102,018	322,226	413,793	431,213	515,810	19.8
Singida	34,316	51,368	181,591	413,540	215,908	464,907	11.0
Tabora	79,464	105,836	208,184	582,465	287,648	688,301	15.4
Rukwa	28,772	35,288	187,233	391,051	216,005	426,340	8.3
Kigoma	4,852	1,823	71,688	41,436	76,540	43,259	4.2
Shinyanga	243,495	390,525	234,675	1,034,860	478,170	1,425,384	27.4
Kagera	13,268	2,446	178,081	81,382	191,349	83,828	2.9
Mwanza	32,445	21,164	124,395	132,348	156,839	153,512	13.8
Mara	28,333	21,373	108,776	105,885	137,108	127,258	16.8
Manyara	50,603	64,552	135,824	320,733	186,427	385,285	16.8
MAINLAND	**1,084,679**	**1,173,506**	**3,377,703**	**5,819,565**	**4,462,382**	**6,993,071**	**16.8**
North Unguja	2,543	910	17,816	8,410	20,359	9,321	9.8
South Unguja	1,889	560	5,754	2,940	7,642	3,500	16.0
Urban West	1,256	349	6,688	2,476	7,944	2,825	12.4
North Pemba	392	117	27,148	11,233	27,540	11,350	1.0
South Pemba	151	31	24,727	10,627	24,878	10,658	0.3
ZANZIBAR	**6,230**	**1,967**	**82,133**	**35,686**	**88,364**	**37,653**	**5.2**
NATIONAL	**1,090,909**	**1,175,473**	**3,459,836**	**5,855,250**	**4,550,745**	**7,030,724**	**16.7**

5.34 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of crop Growing Households and Planted Area (hectare) by Local Seed Use and Region; 2007/08 Agriculture Year - SHORT Rainy Season

Regions	Using Local seed		Not using Local seed		TOTAL		% of Planted Area Using Local seeds
	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	
Dodoma	364	674	0	140	364	814	82.8
Arusha	30,915	19,227	13,467	14,776	44,381	34,003	56.5
Kilimanjaro	109,655	49,041	30,293	29,891	139,948	78,932	62.1
Tanga	195,006	160,608	12,449	17,920	207,455	178,527	90.0
Morogoro	166,707	206,538	15,956	30,637	182,663	237,174	87.1
Pwani	76,825	47,390	7,702	12,276	84,527	59,666	79.4
Dar es Salaam	7,475	2,489	5,994	3,784	13,469	6,273	39.7
Lindi	1,634	950	731	345	2,366	1,294	73.4
Mtwara	735	666	0	0	735	666	100.0
Ruvuma	432	365	0	135	432	501	72.9
Iringa	1,060	756	328	360	1,388	1,116	67.7
Mbeya	81,298	41,850	16,341	10,877	97,639	52,728	79.4
Singida	0	0	0	0	0	0	0.0
Tabora	393	315	0	287	393	601	52.3
Rukwa	1,943	2,433	578	617	2,521	3,050	79.8
Kigoma	180,655	142,035	2,352	8,347	183,006	150,382	94.4
Shinyanga	6,712	10,645	775	8,218	7,487	18,864	56.4
Kagera	363,833	227,043	6,463	18,345	370,296	245,388	92.5
Mwanza	322,398	358,817	25,463	154,627	347,861	513,445	69.9
Mara	151,745	136,299	17,020	33,974	168,765	170,273	80.0
Manyara	11,990	6,913	2,546	4,262	14,536	11,175	61.9
MAINLAND	**1,711,776**	**1,415,054**	**158,457**	**349,818**	**1,870,233**	**1,764,872**	**80.2**
North Unguja	13,335	4,842	929	882	14,264	5,724	84.6
South Unguja	10,255	3,382	1,354	946	11,609	4,328	78.1
Urban West	4,804	1,286	1,036	448	5,840	1,734	74.2
North Pemba	6,726	1,989	168	70	6,894	2,060	96.6
South Pemba	2,758	887	155	73	2,913	960	92.4
ZANZIBAR	**37,878**	**12,386**	**3,642**	**2,419**	**41,520**	**14,805**	**83.7**
NATIONAL	**1,749,653**	**1,427,440**	**162,100**	**352,237**	**1,911,753**	**1,779,677**	**80.2**

5.35 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of crop Growing Households and Planted Area (hectare) by Local Seed Use and Region; 2007/08 Agriculture Year - LONG Rainy Season

Regions	Using Local seed		Not using Local seed		TOTAL		% of Planted Area Using Local seeds
	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	
Dodoma	332,469	616,448	25,499	131,150	357,968	747,597	82
Arusha	122,662	113,199	27,613	54,180	150,275	167,379	68
Kilimanjaro	116,001	51,953	36,219	49,428	152,220	101,380	51
Tanga	221,501	229,931	16,660	28,267	238,161	258,198	89
Morogoro	176,165	192,150	17,494	46,242	193,658	238,392	81
Pwani	82,628	73,390	7,278	9,686	89,906	83,076	88
Dar es Salaam	16,396	8,410	5,743	4,872	22,139	13,282	63
Lindi	153,071	141,495	6,359	25,095	159,430	166,590	85
Mtwara	210,512	162,663	5,619	22,137	216,131	184,800	88
Ruvuma	199,480	272,811	2,088	28,034	201,568	300,845	91
Iringa	290,813	351,778	12,905	67,261	303,718	419,039	84
Mbeya	408,760	405,809	22,454	110,001	431,213	515,810	79
Singida	206,803	403,669	9,105	61,293	215,908	464,962	87
Tabora	281,025	577,578	6,622	110,951	287,648	688,530	84
Rukwa	212,250	380,646	3,756	45,694	216,005	426,340	89
Kigoma	75,768	40,253	771	3,006	76,540	43,259	93
Shinyanga	460,340	1,001,597	17,829	424,330	478,170	1,425,927	70
Kagera	186,052	80,129	5,297	3,726	191,349	83,854	96
Mwanza	145,496	130,041	11,344	23,471	156,839	153,512	85
Mara	121,675	102,270	15,433	24,988	137,108	127,258	80
Manyara	171,310	310,171	15,118	75,336	186,427	385,507	80
MAINLAND	**4,191,176**	**5,646,390**	**271,205**	**1,349,147**	**4,462,382**	**6,995,538**	**81**
North Unguja	18,579	8,126	1,780	1,195	20,359	9,321	87
South Unguja	6,362	2,897	1,281	603	7,642	3,500	83
Urban West	7,096	2,401	848	423	7,944	2,825	85
North Pemba	27,408	11,181	132	168	27,540	11,350	99
South Pemba	24,816	10,591	62	66	24,878	10,658	99
ZANZIBAR	**84,261**	**35,197**	**4,102**	**2,455**	**88,364**	**37,653**	**93**
NATIONAL	**4,275,438**	**5,681,588**	**275,308**	**1,351,603**	**4,550,745**	**7,033,190**	**81**

5.36: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Insecticides Use by Region - SHORT RAINY SEASON

Regions	Insecticide Use						% of Planted area using Insecticides
	Number of Households using Insecticides	Planted Area Applied with Insecticides	Number of Households NOT using Insecticides	Planted Area Without Insecticides	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	50	142	763	364	814	6.2
Arusha	10,523	7,016	33,858	26,981	44,381	33,997	20.6
Kilimanjaro	36,813	17,040	103,135	61,783	139,948	78,824	21.6
Tanga	5,810	1,790	201,645	176,737	207,455	178,527	1.0
Morogoro	11,033	5,777	171,630	231,397	182,663	237,174	2.4
Pwani	3,272	1,673	81,256	57,993	84,527	59,666	2.8
Dar es	4,869	2,135	8,600	4,139	13,469	6,273	34.0
Lindi	607	184	1,758	1,110	2,366	1,294	14.3
Mtwara	0	0	735	666	735	666	0.0
Ruvuma	0	0	432	501	432	501	0.0
Iringa	553	233	835	883	1,388	1,116	20.9
Mbeya	2,079	1,369	95,561	51,203	97,639	52,573	2.6
Singida	0	0	0	0	0	0	0.0
Tabora	142	287	252	315	393	601	47.7
Rukwa	627	387	1,894	2,663	2,521	3,050	12.7
Kigoma	5,446	3,308	177,560	147,074	183,006	150,382	2.2
Shinyanga	2,139	2,743	5,348	16,121	7,487	18,864	14.5
Kagera	17,199	8,358	353,097	236,969	370,296	245,327	3.4
Mwanza	73,377	75,667	274,484	436,691	347,861	512,358	14.8
Mara	14,681	11,367	154,084	158,851	168,765	170,217	6.7
Manyara	2,262	1,426	12,274	9,749	14,536	11,175	12.8
MAINLAND	**191,653**	**140,810**	**1,678,580**	**1,622,589**	**1,870,233**	**1,763,399**	**8.0**
North Unguja	451	193	13,814	5,531	14,264	5,724	3.4
South Unguja	1,067	546	10,542	3,782	11,609	4,328	12.6
Urban West	659	284	5,181	1,449	5,840	1,734	16.4
North Pemba	55	17	6,839	2,043	6,894	2,060	0.8
South Pemba	134	26	2,779	933	2,913	960	2.7
ZANZIBAR	**2,365**	**1,066**	**39,155**	**13,738**	**41,520**	**14,805**	**7.2**
NATIONAL	**194,019**	**141,876**	**1,717,734**	**1,636,328**	**1,911,753**	**1,778,204**	**8.0**

5.37: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Fungicide Use and Region - Long Rainy Season

Regions	Insecticide Use						% of Planted area using Insecticides
	Number of Households using Insecticides	Planted Area Applied with Insecticides	Number of Households NOT using Insecticides	Planted Area Without Insecticides	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Dodoma	6,256	3,607	351,712	743,408	357,968	747,014	0.5
Arusha	14,037	12,114	136,238	154,847	150,275	166,961	7.3
Kilimanjaro	42,165	27,286	110,056	74,061	152,220	101,347	26.9
Tanga	5,767	1,675	232,395	256,524	238,161	258,198	0.6
Morogoro	16,237	7,586	177,421	230,806	193,658	238,392	3.2
Pwani	3,165	2,820	86,741	80,255	89,906	83,076	3.4
Dar es Salaam	4,349	2,076	17,789	11,206	22,139	13,282	15.6
Lindi	5,848	2,732	153,582	163,858	159,430	166,590	1.6
Mtwara	6,311	3,434	209,819	181,366	216,131	184,800	1.9
Ruvuma	23,364	15,994	178,203	284,851	201,568	300,845	5.3
Iringa	140,830	124,001	162,888	294,680	303,718	418,681	29.6
Mbeya	51,551	44,762	379,662	471,048	431,213	515,810	8.7
Singida	6,773	6,868	209,134	458,039	215,908	464,907	1.5
Tabora	46,624	60,379	241,023	627,922	287,648	688,301	8.8
Rukwa	18,774	16,510	197,231	409,829	216,005	426,340	3.9
Kigoma	2,617	1,392	73,922	41,867	76,540	43,259	3.2
Shinyanga	159,819	259,677	318,351	1,165,707	478,170	1,425,384	18.2
Kagera	6,144	1,280	185,205	82,548	191,349	83,828	1.5
Mwanza	10,239	7,000	146,600	146,512	156,839	153,512	4.6
Mara	8,533	6,968	128,576	120,289	137,108	127,258	5.5
Manyara	12,367	19,146	174,060	366,139	186,427	385,285	5.0
MAINLAND	**591,773**	**627,309**	**3,870,609**	**6,365,762**	**4,462,382**	**6,993,071**	**9.0**
North Unguja	493	199	19,866	9,122	20,359	9,321	2.1
South Unguja	876	296	6,767	3,205	7,642	3,500	8.4
Urban West	440	188	7,504	2,636	7,944	2,825	6.7
North Pemba	29	12	27,511	11,338	27,540	11,350	0.1
South Pemba	187	72	24,691	10,586	24,878	10,658	0.7
ZANZIBAR	**2,025**	**766**	**86,339**	**36,886**	**88,364**	**37,653**	**2.0**
NATIONAL	**593,798**	**628,075**	**3,956,948**	**6,402,648**	**4,550,745**	**7,030,724**	**8.9**

5.38: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Irrigation Use and Region -SHORT RAINY SEASON

Region	Irrigation use						% of area planted under irrigation in Short rainy season
	Number of Households using Irrigation	Planted Area with Irrigation	Number of Households NOT using Irrigation	Planted Area with no Irrigation	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Dodoma	222	164	142	650	364	814	20.1
Arusha	13,846	10,531	30,536	23,466	44,381	33,997	31.0
Kilimanjaro	45,041	20,402	94,907	58,422	139,948	78,824	25.9
Tanga	11,820	4,068	195,635	174,459	207,455	178,527	2.3
Morogoro	13,110	10,419	169,553	226,755	182,663	237,174	4.4
Pwani	3,249	1,455	81,279	58,211	84,527	59,666	2.4
Dar es Salaam	4,832	2,087	8,637	4,186	13,469	6,273	33.3
Lindi	1,891	578	475	717	2,366	1,294	44.6
Mtwara	0	0	735	666	735	666	0.0
Ruvuma	0	0	432	501	432	501	0.0
Iringa	1,014	565	374	550	1,388	1,116	50.7
Mbeya	3,264	1,568	94,375	51,005	97,639	52,573	3.0
Singida	0	0	0	0	0	0	0.0
Tabora	0	0	393	601	393	601	0.0
Rukwa	225	46	2,296	3,004	2,521	3,050	1.5
Kigoma	6,024	3,065	176,983	147,317	183,006	150,382	2.0
Shinyanga	3,508	5,505	3,979	13,359	7,487	18,864	29.2
Kagera	7,773	1,842	362,522	243,485	370,296	245,327	0.8
Mwanza	17,389	15,387	330,472	496,971	347,861	512,358	3.0
Mara	5,627	3,420	163,137	166,798	168,765	170,217	2.0
Manyara	2,831	1,971	11,706	9,203	14,536	11,175	17.6
MAINLAND	141,667	**83,072**	**1,728,566**	**1,680,328**	**1,870,233**	**1,763,399**	4.7
North Unguja	933	290	13,331	5,433	14,264	5,724	5.1
South Unguja	1,583	538	10,025	3,790	11,609	4,328	12.4
Urban West	1,507	448	4,333	1,286	5,840	1,734	25.8
North Pemba	493	143	6,400	1,916	6,894	2,060	7.0
South Pemba	218	41	2,694	919	2,913	960	4.3
Zanzibar	**4,735**	**1,460**	**36,785**	**13,344**	**41,520**	**14,805**	**9.9**
NATIONAL	**146,402**	**84,532**	**1,765,351**	**1,693,672**	**1,911,753**	**1,778,204**	**4.8**

5.39: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Irrigation Use and Region -LONG RAINY SEASON

Region	Irrigation use						% of area planted under irrigation in long rainy season
	Number of Households using Irrigation	Planted Area with Irrigation	Number of Households NOT using Irrigation	Planted Area with no Irrigation	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Dodoma	12,432	7,392	345,537	739,622	357,968	747,014	1.0
Arusha	17,178	13,266	133,097	153,696	150,275	166,961	7.9
Kilimanjaro	30,695	16,205	121,525	85,143	152,220	101,347	16.0
Tanga	13,092	5,371	225,069	252,827	238,161	258,198	2.1
Morogoro	13,655	8,236	180,003	230,156	193,658	238,392	3.5
Pwani	3,369	1,658	86,537	81,418	89,906	83,076	2.0
Dar es Salaam	4,320	1,812	17,819	11,470	22,139	13,282	13.6
Lindi	2,836	1,945	156,594	164,644	159,430	166,590	1.2
Mtwara	3,988	2,717	212,142	182,084	216,131	184,800	1.5
Ruvuma	20,354	9,541	181,214	291,304	201,568	300,845	3.2
Iringa	31,675	19,496	272,043	399,185	303,718	418,681	4.7
Mbeya	44,304	31,850	386,910	483,960	431,213	515,810	6.2
Singida	9,285	8,402	206,622	456,505	215,908	464,907	1.8
Tabora	25,601	22,721	262,046	665,580	287,648	688,301	3.3
Rukwa	9,283	8,270	206,722	418,069	216,005	426,340	1.9
Kigoma	1,276	194	75,264	43,064	76,540	43,259	0.4
Shinyanga	23,035	24,278	455,135	1,401,107	478,170	1,425,384	1.7
Kagera	5,552	998	185,797	82,830	191,349	83,828	1.2
Mwanza	7,827	2,844	149,012	150,668	156,839	153,512	1.9
Mara	4,438	2,108	132,671	125,150	137,108	127,258	1.7
Manyara	7,105	5,375	179,322	379,909	186,427	385,285	1.4
MAINLAND	**291,300**	**194,679**	**4,171,082**	**6,798,392**	**4,462,382**	**6,993,071**	**2.8**
North Unguja	766	244	19,593	9,077	20,359	9,321	2.6
South Unguja	975	262	6,668	3,238	7,642	3,500	7.5
Urban West	1,696	479	6,248	2,345	7,944	2,825	17.0
North Pemba	541	189	26,999	11,160	27,540	11,350	1.7
South Pemba	295	142	24,584	10,516	24,878	10,658	1.3
ZANZIBAR	**4,272**	**1,316**	**84,092**	**36,336**	**88,364**	**37,653**	**3.5**
NATIONAL	**295,572**	**195,996**	**4,255,173**	**6,834,728**	**4,550,745**	**7,030,724**	**2.8**

MARKETING

Region	SHORT RAINY SEASON					LONG RAINY SEASON				
	Number of households that sold	%	Number of households that did not sold	%	Total number of households	Number of households that sold	%	Number of households that did not sold	%	Total number of households
Dodoma	364	100	0	0	364	264,556	74	93,413	26	357,968
Arusha	23,881	54	20,500	46	44,381	88,230	59	62,045	41	150,275
Kilimanja	60,893	44	79,055	56	139,948	75,626	50	76,595	50	152,220
Tanga	135,189	65	72,266	35	207,455	176,671	74	61,491	26	238,161
Morogoro	132,321	72	50,342	28	182,663	153,409	79	40,249	21	193,658
Pwani	47,280	56	37,248	44	84,527	54,429	61	35,476	39	89,906
Dar es Sa	8,628	64	4,841	36	13,469	11,130	50	11,009	50	22,139
Lindi	2,148	91	218	9	2,366	99,250	62	60,180	38	159,430
Mtwara	582	79	153	21	735	154,632	72	61,498	28	216,131
Ruvuma	345	80	87	20	432	168,790	84	32,778	16	201,568
Iringa	1,348	97	40	3	1,388	246,218	81	57,499	19	303,718
Mbeya	55,014	56	42,625	44	97,639	349,497	81	81,716	19	431,213
Singida	0	0	0	0	0	148,882	69	67,025	31	215,908
Tabora	268	68	126	32	393	229,738	80	57,910	20	287,648
Rukwa	2,296	91	225	9	2,521	179,723	83	36,282	17	216,005
Kigoma	141,841	78	41,165	22	183,006	62,078	81	14,462	19	76,540
Shinyanga	4,991	67	2,496	33	7,487	378,823	79	99,346	21	478,170
Kagera	266,364	72	103,932	28	370,296	147,085	77	44,264	23	191,349
Mwanza	248,058	71	99,803	29	347,861	105,688	67	51,151	33	156,839
Mara	122,023	72	46,742	28	168,765	102,780	75	34,328	25	137,108
Manyara	11,623	80	2,914	20	14,536	144,867	78	41,561	22	186,427
Mainland	**1,265,456**	**68**	**604,777**	32	**1,870,233**	**3,342,103**	75	**1,120,278**	25	**4,462,382**
North Unguja	7,644	54	6,621	46	14,264	6,093	30	14,267	70	20,359
South Unguja	7,492	65	4,117	35	11,609	4,875	64	2,767	36	7,642
Urban West	3,485	60	2,355	40	5,840	2,983	38	4,961	62	7,944
North Pemba	1,513	22	5,381	78	6,894	5,445	20	22,095	80	27,540
South Pemba	1,319	45	1,594	55	2,913	4,164	17	20,714	83	24,878
Zanzibar	**21,453**	**52**	**20,067**	**48**	**41,520**	**23,560**	**27**	**64,804**	**73**	**88,364**
National Total	**1,286,909**	**67**	**624,844**	**33**	**1,911,753**	**3,365,663**	**74**	**1,185,082**	**26**	**4,550,745**

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MAINLAND, SHORT RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Maize	509,926	31,552	39,966	3,647	41,521	1,498	5,651	1,497	5,371	17,737	136,700	3,967	809,901
Paddy	97,096	4,256	12,648	475	9,177	102	1,317	796	673	5,993	38,158	88	66,223
Sorghum	56,715	3,225	3,972	1,254	4,596	0	387	58	0	1,750	10,835	208	61,478
Bulrush Millet	681	94	94	0	94	0	0	94	0	188	660	0	1,755
Finger Millet	10,206	971	689	409	870	86	0	0	159	372	2,072	0	9,058
Wheat	108	0	0	0	159	0	0	0	0	0	1,710	0	1,297
Barley	0	0	0	0	89	0	0	0	0	102	0	0	0
CEREALS	**674,733**	**40,098**	**57,369**	**5,785**	**56,506**	**1,686**	**7,355**	**2,445**	**6,202**	**26,141**	**190,135**	**4,263**	**949,712**
Cassava	4,984	0	108	0	166	0	0	0	0	0	597	0	5,016
Sweet Potato	81,216	5,602	5,498	3,182	7,938	211	92	261	703	2,251	22,944	384	144,722
Irish potatoes	20,589	726	1,450	361	1,253	140	0	0	0	2,584	1,469	119	8,373
Yams	4,688	92	0	295	184	0	0	92	92	147	1,699	147	9,164
Coco Yam	12,799	1,483	291	775	58	0	0	0	0	718	5,877	0	37,319
ROOTS & TUBERS	**124,275**	**7,903**	**7,348**	**4,613**	**9,599**	**351**	**92**	**353**	**795**	**5,700**	**32,586**	**650**	**204,594**
Mung Bean	3,127	140	344	0	235	0	0	0	0	0	260	0	3,041
Beans	313,392	17,953	19,640	2,155	25,127	405	2,161	1,011	2,152	13,539	68,056	1,395	336,711
Cowpeas	30,761	2,141	1,748	410	1,343	45	320	94	335	1,141	7,138	199	59,361
Green gram	11,942	924	396	308	1,463	0	0	159	0	534	3,743	112	20,083
Chick peas	620	29	0	0	159	0	0	0	0	159	182	0	383
Bambaranuts	2,627	184	0	336	371	204	0	0	92	92	1,890	0	10,115
Field Peas	3,504	0	537	273	366	0	0	140	0	140	1,515	0	2,794
PULSES	**365,973**	**21,371**	**22,665**	**3,482**	**29,063**	**654**	**2,481**	**1,403**	**2,579**	**15,603**	**82,783**	**1,706**	**432,487**
Sunflower	2,656	340	246	687	151	225	0	0	0	163	799	0	10,561
Simsim	9,739	88	493	87	959	76	0	0	0	548	1,481	111	2,241
Groundnut	56,049	4,780	5,082	1,352	6,283	102	517	102	1,200	1,948	19,466	255	71,569
Soya Beans	675	0	0	0	0	0	0	0	0	0	119	0	781
Castor Fung	94	277	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	**69,213**	**5,485**	**5,820**	**2,127**	**7,392**	**403**	**517**	**102**	**1,200**	**2,659**	**21,865**	**366**	**85,151**
Okra	6,609	421	510	18	777	0	0	0	0	484	1,165	0	1,800
Radish	259	128	204	0	0	0	0	0	0	0	119	0	274
Turmeric	0	0	0	0	42	0	0	0	0	0	0	0	119

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MAINLAND, SHORT RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Bitteer Aubergine	6,517	122	1,042	146	162	0	0	0	0	321	502	0	785
Kothmir	0	0	0	0	0	0	0	0	0	0	0	0	0
Onion	4,965	573	264	0	1,727	0	0	88	89	683	291	0	1,293
Ginger	1,826	232	320	0	0	0	0	0	0	0	88	88	620
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	8,874	1,284	680	92	1,640	0	0	87	0	506	1,093	140	1,803
Tomatoes	25,068	2,414	3,845	71	3,923	29	0	0	0	2,222	5,402	71	3,486
Spinach	3,625	553	515	312	229	0	0	0	0	195	932	0	573
Carrot	578	71	296	115	671	0	0	0	0	0	241	0	185
Chillies	5,453	279	462	0	506	0	140	87	0	605	913	0	1,589
Amaranths	6,955	794	638	132	531	122	0	0	192	551	2,258	0	3,721
Pumpkins	2,454	527	271	404	292	0	0	0	92	251	1,190	0	1,934
Cucumber	1,808	87	559	204	361	0	0	0	0	0	112	0	1,114
Egg Plant	1,401	140	0	0	0	0	0	0	0	18	75	0	0
Water Mellon	2,366	351	311	0	535	0	0	0	0	0	225	88	143
Malay	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**78,759**	**7,977**	**9,918**	**1,494**	**11,398**	**151**	**140**	**262**	**373**	**5,835**	**14,606**	**387**	**19,439**
Cotton	104,698	1,411	1,703	159	1,530	497	2,654	1,098	396	1,185	4,541	0	4,754
Tobacco	3,976	52	248	85	479	176	292	157	0	0	1,050	187	192
Pyrethrum	1,273	0	0	0	0	0	0	0	0	0	0	0	0
Jute	0	0	0	0	0	0	0	0	0	0	0	0	37
Seaweed	499	18	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	**110,446**	**1,480**	**1,951**	**243**	**2,009**	**673**	**2,946**	**1,255**	**396**	**1,185**	**5,591**	**187**	**4,983**
Total	**1,423,398**	**84,315**	**105,071**	**17,743**	**115,968**	**3,918**	**13,532**	**5,820**	**11,546**	**57,123**	**347,567**	**7,558**	**1,696,367**

5.42 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MAINLAND, LONG RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Maize	1,240,055	69,076	100,085	11,186	103,156	7,739	13,399	4,654	15,922	38,910	282,026	6,380	1,586,794
Paddy	371,442	20,922	34,172	3,039	29,252	1,614	9,481	2,381	3,310	10,139	93,887	1,416	272,360
Sorghum	175,058	10,733	11,671	8,085	13,138	974	1,751	553	5,003	7,262	44,271	2,270	381,557
Bulrush Millet	51,846	1,727	1,569	626	888	0	432	0	1,491	558	6,285	232	118,070
Finger Millet	64,125	3,383	4,651	1,037	5,060	328	690	358	81	2,254	15,282	0	34,014
Wheat	38,013	1,361	3,060	271	2,868	0	155	199	215	403	7,256	159	16,886
Barley	0	0	0	0	178	0	0	0	0	89	0	0	89
CEREALS	**1,940,540**	**107,202**	**155,209**	**24,244**	**154,542**	**10,654**	**25,908**	**8,145**	**26,023**	**59,615**	**449,007**	**10,458**	**2,409,769**
Cassava	3,350	644	1,062	176	481	0	0	81	103	92	1,706	0	6,900
Sweet Potato	130,088	11,166	12,313	8,013	15,711	782	478	132	1,294	4,477	35,393	2,371	244,872
Irish potatoes	39,662	2,182	4,455	303	3,815	0	92	169	72	1,375	8,639	0	12,839
Yams	2,911	134	132	92	299	0	0	124	0	92	956	0	6,790
Coco Yam	10,289	584	1,857	1,050	677	0	0	0	147	127	2,824	0	11,079
ROOTS & TUBERS	**186,300**	**14,710**	**19,819**	**9,634**	**20,984**	**782**	**570**	**506**	**1,616**	**6,163**	**49,518**	**2,371**	**282,480**
Mung Bean	6,758	0	265	0	378	98	0	0	0	0	334	0	3,397
Beans	509,935	29,511	32,509	3,562	47,093	1,202	2,057	673	4,121	17,732	126,209	2,788	444,830
Cowpeas	73,265	3,591	3,878	1,613	3,815	714	1,587	153	598	1,440	20,517	384	103,405
Green gram	25,870	1,178	949	247	4,362	727	765	100	0	1,203	8,874	0	29,143
Chick peas	23,001	1,334	1,835	336	1,745	287	197	128	0	638	6,129	0	9,690
Bambaranuts	42,114	1,176	1,464	1,203	2,202	0	526	0	1,154	800	10,182	232	78,988
Field Peas	24,933	955	731	613	1,431	0	0	199	151	222	5,039	458	11,297
PULSES	**705,877**	**37,745**	**41,630**	**7,574**	**61,026**	**3,028**	**5,133**	**1,252**	**6,024**	**22,034**	**177,283**	**3,862**	**680,749**
Sunflower	286,861	10,492	14,933	2,756	22,533	614	2,041	1,878	1,008	10,495	46,172	725	81,992
Simsim	124,891	2,375	6,715	278	8,320	1,251	4,929	320	277	5,440	43,791	644	17,308
Groundnut	379,560	16,057	24,421	5,520	29,118	1,518	4,655	1,202	2,225	9,994	86,859	755	306,557
Soya Beans	9,886	0	524	0	864	0	0	81	0	524	1,985	0	1,969
Castor Fung	183	0	249	0	0	0	0	0	0	0	0	0	182
OIL SEEDS & OIL NUTS	**801,382**	**28,924**	**46,842**	**8,555**	**60,835**	**3,383**	**11,626**	**3,482**	**3,510**	**26,453**	**178,807**	**2,125**	**408,007**
Okra	8,769	348	242	0	412	152	0	111	37	204	2,381	37	1,958
Radish	613	45	0	66	208	0	132	0	0	0	212	0	422
Turmeric	578	0	0	0	0	0	0	0	0	0	58	0	779

5.42 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MAINLAND, LONG RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Bitteer Aubergine	9,205	452	1,232	109	880	81	0	232	0	47	1,532	0	1,101
Kothmir	0	0	0	0	0	0	0	0	0	0	0	0	0
Onion	13,879	1,174	2,094	218	1,757	109	0	0	0	1,119	3,376	109	1,438
Ginger	1,208	0	0	0	139	0	0	0	0	0	126	0	411
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	12,044	1,723	1,927	252	2,299	0	99	0	0	735	3,576	0	1,655
Tomatoes	46,180	3,417	6,863	882	5,898	281	0	342	129	2,869	9,001	109	5,866
Spinach	11,453	653	708	87	917	0	0	0	0	121	4,984	43	1,778
Carrot	1,434	55	686	92	205	0	0	0	0	0	83	0	55
Chillies	3,849	308	727	0	569	0	0	42	0	372	1,102	92	1,977
Amaranths	6,827	341	1,101	151	562	0	38	47	0	540	3,494	92	3,757
Pumpkins	2,483	30	429	461	310	0	0	0	0	92	1,694	0	4,052
Cucumber	1,878	176	193	122	516	0	0	0	0	0	171	0	923
Egg Plant	656	0	362	0	94	0	0	0	0	0	763	0	253
Water Mellon	1,506	126	404	37	489	0	0	126	0	79	173	0	182
Malay	71	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**122,633**	**8,849**	**16,968**	**2,477**	**15,257**	**624**	**268**	**901**	**166**	**6,178**	**32,726**	**482**	**26,605**
Cotton	216,739	3,154	3,924	460	1,458	1,297	8,598	4,847	413	2,270	24,698	1,234	10,415
Tobacco	37,836	312	1,993	343	1,555	1,417	4,428	394	328	395	14,933	818	3,146
Pyrethrum	4,454	699	66	159	231	109	0	0	0	0	1,093	159	578
Jute	45	0	0	0	0	0	0	0	0	0	0	0	0
Seaweed	262	0	0	0	0	0	0	0	0	29	0	0	204
CASH CROPS	**259,335**	**4,165**	**5,983**	**962**	**3,244**	**2,824**	**13,025**	**5,240**	**741**	**2,694**	**40,723**	**2,212**	**14,342**
Total	**4,016,067**	**201,594**	**286,452**	**53,447**	**315,889**	**21,295**	**56,530**	**19,528**	**38,081**	**123,138**	**928,065**	**21,509**	**3,821,953**

5.43 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - ZANZIBAR, SHORT RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Maize	2,562	111	342	124	342	25	0	0	0	61	724	0	2,246
Paddy	239	0	0	30	47	0	0	0	0	0	240	0	8,220
Sorghum	531	0	0	0	0	25	0	0	0	0	158	0	1,237
Bulrush Millet	482	0	0	58	0	0	0	0	0	0	294	0	2,870
Finger Millet	0	0	0	0	0	0	0	0	0	0	0	0	0
Wheat	0	0	0	0	0	0	0	0	0	0	0	0	0
Barley	0	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**3,814**	**111**	**342**	**212**	**389**	**51**	**0**	**0**	**0**	**61**	**1,415**	**0**	**14,573**
Cassava	0	0	0	0	30	0	0	0	0	0	32	0	114
Sweet Potato	4,368	48	521	184	364	25	0	0	0	210	1,491	0	5,030
Irish potatoes	0	0	0	0	25	0	0	0	0	0	0	0	88
Yams	2,232	64	684	48	594	0	0	16	0	176	1,101	111	4,124
Coco Yam	519	57	256	0	200	0	0	0	0	0	269	0	1,050
ROOTS & TUBERS	**7,119**	**169**	**1,462**	**232**	**1,214**	**25**	**0**	**16**	**0**	**386**	**2,893**	**111**	**10,405**
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	16	0	0	0	0	0	0	0	0	0	26	0	57
Cowpeas	537	27	0	0	52	0	0	54	0	0	430	0	3,184
Green gram	361	16	0	30	42	0	0	16	0	0	192	0	976
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	31	0	0	0	0	0	0	0	0	0	29	0	55
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**945**	**43**	**0**	**30**	**94**	**0**	**0**	**70**	**0**	**0**	**676**	**0**	**4,271**
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	399	32	0	0	62	25	0	0	0	0	213	0	462
Soya Beans	0	0	0	0	0	0	0	0	0	0	0	0	0
Castor Fung	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	**399**	**32**	**0**	**0**	**62**	**25**	**0**	**0**	**0**	**0**	**213**	**0**	**462**
Okra	538	0	0	25	30	0	0	0	0	47	152	0	332
Radish	0	0	0	0	30	0	0	0	0	0	30	0	32
Turmeric	126	0	0	0	30	0	0	0	0	0	216	0	0
Bitteer Aubergine	211	0	0	0	56	0	0	0	0	0	79	0	114

5.43 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - ZANZIBAR, SHORT RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Kothmir	0	0	0	0	0	0	0	0	0	0	31	0	0
Onion	63	0	0	0	0	0	0	0	0	0	0	0	0
Ginger	0	0	0	0	0	0	0	0	0	0	0	0	0
Zukkin	25	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	16	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	30	0	0	0	0	0	0	0	0	0	31	0	30
Tomatoes	1,928	61	163	91	429	0	0	56	0	30	373	0	308
Spinach	56	0	0	0	0	0	0	0	0	0	0	0	0
Carrot	57	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	340	0	0	0	72	0	0	0	0	0	63	0	57
Amaranths	689	0	0	140	143	32	0	51	0	72	404	0	183
Pumpkins	596	32	47	16	58	0	0	0	0	0	219	48	574
Cucumber	705	0	25	0	62	0	0	25	0	0	167	0	100
Egg Plant	1,194	30	63	72	196	0	0	25	0	30	405	0	352
Water Mellon	87	0	25	0	0	0	0	0	0	0	31	0	0
Malay	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**6,663**	**123**	**323**	**345**	**1,107**	**32**	**0**	**158**	**0**	**180**	**2,203**	**48**	**2,082**
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
Jute	0	0	0	0	0	0	0	0	0	0	0	0	0
Seaweed	730	0	0	0	0	0	0	0	0	0	0	0	32
CASH CROPS	**730**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**32**
Total	**19,671**	**477**	**2,127**	**820**	**2,865**	**133**	**0**	**244**	**0**	**626**	**7,401**	**158**	**31,826**

5.44 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - ZANZIBAR, LONG RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Maize	3,088	139	211	55	395	0	0	25	32	26	1,075	0	7,365
Paddy	3,055	27	121	54	56	0	0	27	334	31	1,446	56	57,650
Sorghum	1,120	0	0	27	55	0	0	0	29	0	546	0	4,997
Bulrush Millet	29	0	0	0	0	0	0	0	0	0	32	0	876
Finger Millet	0	0	0	0	0	0	0	0	0	0	0	0	29
Wheat	0	0	0	32	0	0	0	0	0	0	0	0	26
Barley	0	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**7,293**	**166**	**332**	**166**	**506**	**0**	**0**	**52**	**395**	**57**	**3,099**	**56**	**70,943**
Cassava	63	0	0	0	0	0	0	0	0	0	0	0	471
Sweet Potato	5,746	77	567	117	298	0	51	0	89	0	1,276	30	8,673
Irish potatoes	123	0	0	0	0	0	0	0	0	0	0	0	60
Yams	852	16	182	0	93	0	0	0	0	0	272	0	2,117
Coco Yam	677	0	61	0	30	0	0	0	0	0	312	27	1,614
ROOTS & TUBERS	**7,461**	**93**	**809**	**117**	**422**	**0**	**51**	**0**	**89**	**0**	**1,861**	**57**	**12,934**
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	0	0	0	0	0	0	0	0	0	0	0	0	282
Cowpeas	137	0	27	0	27	0	0	0	0	0	161	0	2,294
Green gram	79	91	0	0	0	0	0	0	0	25	97	0	1,468
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**217**	**91**	**27**	**0**	**27**	**0**	**0**	**0**	**0**	**25**	**258**	**0**	**4,045**
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	955	25	51	0	236	0	0	0	0	0	167	0	205
Soya Beans	0	0	0	0	0	0	0	0	0	0	0	0	0
Castor Fung	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	**955**	**25**	**51**	**0**	**236**	**0**	**0**	**0**	**0**	**0**	**167**	**0**	**205**
Okra	570	0	31	0	30	0	0	0	0	0	93	0	719
Radish	0	0	30	0	0	0	0	0	0	0	0	0	158
Turmeric	94	0	27	26	27	0	0	0	0	0	95	26	120
Bitteer Aubergine	255	0	31	0	0	0	0	0	0	32	32	0	62

5.44 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - ZANZIBAR, LONG RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Kothmir	0	0	0	0	0	0	0	0	0	0	0	0	0
Onion	0	0	0	0	0	0	0	0	0	0	0	0	0
Ginger	0	0	0	0	0	0	0	0	0	0	0	0	0
Zukkin	30	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	16
Tomatoes	2,202	87	225	63	270	0	0	25	0	0	391	0	613
Spinach	29	0	0	0	0	0	0	0	0	0	0	0	0
Carrot	0	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	272	0	30	0	0	0	0	0	0	0	122	0	32
Amaranths	371	25	62	0	0	0	0	0	0	0	151	0	205
Pumpkins	427	0	154	61	94	0	0	0	0	0	158	0	610
Cucumber	349	0	25	0	0	0	0	0	0	25	31	0	48
Egg Plant	1,347	61	92	32	51	0	0	0	0	0	405	0	313
Water Mellon	87	0	0	0	0	0	0	0	0	0	30	0	0
Malay	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**6,034**	**174**	**709**	**181**	**473**	**0**	**0**	**25**	**0**	**57**	**1,507**	**26**	**2,895**
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
Jute	0	0	0	0	0	0	0	0	0	0	0	0	0
Seaweed	1,112	0	0	0	0	0	0	0	25	0	0	0	170
CASH CROPS	**1,112**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**25**	**0**	**0**	**0**	**170**
Total	**23,072**	**549**	**1,928**	**465**	**1,663**	**0**	**51**	**78**	**509**	**139**	**6,892**	**139**	**91,192**

5.45 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - NATIONAL, SHORT RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Maize	512,488	31,663	40,308	3,771	41,863	1,524	5,651	1,497	5,371	17,797	137,424	3,967	812,147
Paddy	97,335	4,256	12,648	505	9,224	102	1,317	796	673	5,993	38,397	88	74,443
Sorghum	57,246	3,225	3,972	1,254	4,596	25	387	58	0	1,750	10,992	208	62,715
Bulrush Millet	1,163	94	94	58	94	0	0	94	0	188	954	0	4,625
Finger Millet	10,206	971	689	409	870	86	0	0	159	372	2,072	0	9,058
Wheat	108	0	0	0	159	0	0	0	0	0	1,710	0	1,297
Barley	0	0	0	0	89	0	0	0	0	102	0	0	0
CEREALS	**678,548**	**40,209**	**57,711**	**5,997**	**56,895**	**1,737**	**7,355**	**2,445**	**6,202**	**26,201**	**191,551**	**4,263**	**964,286**
Cassava	4,984	0	108	0	197	0	0	0	0	0	628	0	5,130
Sweet Potato	85,584	5,649	6,019	3,366	8,302	236	92	261	703	2,461	24,435	384	149,751
Irish potatoes	20,589	726	1,450	361	1,278	140	0	0	0	2,584	1,469	119	8,462
Yams	6,920	156	684	342	778	0	0	108	92	323	2,801	258	13,288
Coco Yam	13,318	1,540	547	775	258	0	0	0	0	718	6,146	0	38,368
ROOTS & TUBERS	**131,394**	**8,072**	**8,810**	**4,845**	**10,813**	**376**	**92**	**370**	**795**	**6,086**	**35,479**	**761**	**214,999**
Mung Bean	3,127	140	344	0	235	0	0	0	0	0	260	0	3,041
Beans	313,408	17,953	19,640	2,155	25,127	405	2,161	1,011	2,152	13,539	68,082	1,395	336,768
Cowpeas	31,297	2,168	1,748	410	1,395	45	320	147	335	1,141	7,568	199	62,545
Green gram	12,303	941	396	338	1,505	0	0	175	0	534	3,935	112	21,058
Chick peas	620	29	0	0	159	0	0	0	0	159	182	0	383
Bambaranuts	2,658	184	0	336	371	204	0	0	92	92	1,919	0	10,170
Field Peas	3,504	0	537	273	366	0	0	140	0	140	1,515	0	2,794
PULSES	**366,918**	**21,414**	**22,665**	**3,512**	**29,157**	**654**	**2,481**	**1,473**	**2,579**	**15,603**	**83,460**	**1,706**	**436,758**
Sunflower	2,656	340	246	687	151	225	0	0	0	163	799	0	10,561
Simsim	9,739	88	493	87	959	76	0	0	0	548	1,481	111	2,241
Groundnut	56,448	4,811	5,082	1,352	6,344	127	517	102	1,200	1,948	19,679	255	72,032
Soya Beans	675	0	0	0	0	0	0	0	0	0	119	0	781
Castor Fung	94	277	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	**69,612**	**5,516**	**5,820**	**2,127**	**7,454**	**428**	**517**	**102**	**1,200**	**2,659**	**22,078**	**366**	**85,614**
Okra	7,147	421	510	43	808	0	0	0	0	530	1,317	0	2,132
Radish	259	128	204	0	30	0	0	0	0	0	150	0	306

5.45 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - NATIONAL, SHORT RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Turmeric	126	0	0	0	73	0	0	0	0	0	216	0	119
Bitteer Aubergine	6,728	122	1,042	146	217	0	0	0	0	321	581	0	899
Kothmir	0	0	0	0	0	0	0	0	0	0	31	0	0
Onion	5,027	573	264	0	1,727	0	0	88	89	683	291	0	1,293
Ginger	1,826	232	320	0	0	0	0	0	0	0	88	88	620
Zukkin	25	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	16	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	8,904	1,284	680	92	1,640	0	0	87	0	506	1,124	140	1,833
Tomatoes	26,996	2,475	4,007	163	4,352	29	0	56	0	2,252	5,776	71	3,795
Spinach	3,681	553	515	312	229	0	0	0	0	195	932	0	573
Carrot	635	71	296	115	671	0	0	0	0	0	241	0	185
Chillies	5,792	279	462	0	579	0	140	87	0	605	976	0	1,645
Amaranths	7,644	794	638	272	675	154	0	51	192	623	2,662	0	3,904
Pumpkins	3,051	559	318	420	350	0	0	0	92	251	1,409	48	2,509
Cucumber	2,513	87	585	204	423	0	0	25	0	0	279	0	1,214
Egg Plant	2,595	170	63	72	196	0	0	25	0	48	479	0	352
Water Mellon	2,453	351	337	0	535	0	0	0	0	0	257	88	143
Malay	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**85,421**	**8,100**	**10,241**	**1,839**	**12,505**	**182**	**140**	**419**	**373**	**6,015**	**16,808**	**435**	**21,522**
Cotton	104,698	1,411	1,703	159	1,530	497	2,654	1,098	396	1,185	4,541	0	4,754
Tobacco	3,976	52	248	85	479	176	292	157	0	0	1,050	187	192
Pyrethrum	1,273	0	0	0	0	0	0	0	0	0	0	0	0
Jute	0	0	0	0	0	0	0	0	0	0	0	0	37
Seaweed	1,229	18	0	0	0	0	0	0	0	0	0	0	32
CASH CROPS	**111,176**	**1,480**	**1,951**	**243**	**2,009**	**673**	**2,946**	**1,255**	**396**	**1,185**	**5,591**	**187**	**5,014**
Total	**1,443,069**	**84,792**	**107,198**	**18,563**	**118,833**	**4,051**	**13,532**	**6,064**	**11,546**	**57,749**	**354,968**	**7,716**	**1,728,193**

5.46 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop NATIONAL, LONG RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Maize	1,243,143	69,215	100,296	11,241	103,551	7,739	13,399	4,680	15,954	38,935	283,101	6,380	1,594,158
Paddy	374,498	20,949	34,293	3,093	29,308	1,614	9,481	2,408	3,645	10,170	95,333	1,472	330,010
Sorghum	176,179	10,733	11,671	8,112	13,193	974	1,751	553	5,032	7,262	44,817	2,270	386,554
Bulrush Millet	51,875	1,727	1,569	626	888	0	432	0	1,491	558	6,316	232	118,946
Finger Millet	64,125	3,383	4,651	1,037	5,060	328	690	358	81	2,254	15,282	0	34,043
Wheat	38,013	1,361	3,060	302	2,868	0	155	199	215	403	7,256	159	16,912
Barley	0	0	0	0	178	0	0	0	0	89	0	0	89
CEREALS	**1,947,833**	**107,367**	**155,541**	**24,411**	**155,047**	**10,654**	**25,908**	**8,197**	**26,419**	**59,672**	**452,106**	**10,514**	**2,480,712**
Cassava	3,413	644	1,062	176	481	0	0	81	103	92	1,706	0	7,371
Sweet Potato	135,834	11,242	12,880	8,131	16,009	782	529	132	1,382	4,477	36,669	2,401	253,544
Irish potatoes	39,785	2,182	4,455	303	3,815	0	92	169	72	1,375	8,639	0	12,899
Yams	3,763	150	313	92	393	0	0	124	0	92	1,228	0	8,908
Coco Yam	10,966	584	1,918	1,050	708	0	0	0	147	127	3,136	27	12,693
ROOTS & TUBERS	**193,761**	**14,803**	**20,629**	**9,751**	**21,405**	**782**	**621**	**506**	**1,705**	**6,163**	**51,379**	**2,428**	**295,414**
Mung Bean	6,758	0	265	0	378	98	0	0	0	0	334	0	3,397
Beans	509,935	29,511	32,509	3,562	47,093	1,202	2,057	673	4,121	17,732	126,209	2,788	445,112
Cowpeas	73,403	3,591	3,905	1,613	3,842	714	1,587	153	598	1,440	20,678	384	105,699
Green gram	25,949	1,269	949	247	4,362	727	765	100	0	1,228	8,971	0	30,612
Chick peas	23,001	1,334	1,835	336	1,745	287	197	128	0	638	6,129	0	9,690
Bambaranuts	42,114	1,176	1,464	1,203	2,202	0	526	0	1,154	800	10,182	232	78,988
Field Peas	24,933	955	731	613	1,431	0	0	199	151	222	5,039	458	11,297
PULSES	**706,094**	**37,836**	**41,657**	**7,574**	**61,053**	**3,028**	**5,133**	**1,252**	**6,024**	**22,060**	**177,542**	**3,862**	**684,794**
Sunflower	286,861	10,492	14,933	2,756	22,533	614	2,041	1,878	1,008	10,495	46,172	725	81,992
Simsim	124,891	2,375	6,715	278	8,320	1,251	4,929	320	277	5,440	43,791	644	17,308
Groundnut	380,515	16,083	24,472	5,520	29,355	1,518	4,655	1,202	2,225	9,994	87,027	755	306,762
Soya Beans	9,886	0	524	0	864	0	0	81	0	524	1,985	0	1,969
Castor Fung	183	0	249	0	0	0	0	0	0	0	0	0	182
OIL SEEDS & OIL NUTS	**802,336**	**28,949**	**46,893**	**8,555**	**61,072**	**3,383**	**11,626**	**3,482**	**3,510**	**26,453**	**178,975**	**2,125**	**408,212**
Okra	9,339	348	274	0	442	152	0	111	37	204	2,474	37	2,677
Radish	613	45	30	66	208	0	132	0	0	0	212	0	579

5.46 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop NATIONAL, LONG RAINY SEASON

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Turmeric	672	0	27	26	27	0	0	0	0	0	152	26	899
Bitteer Aubergine	9,460	452	1,264	109	880	81	0	232	0	79	1,563	0	1,163
Kothmir	0	0	0	0	0	0	0	0	0	0	0	0	0
Onion	13,879	1,174	2,094	218	1,757	109	0	0	0	1,119	3,376	109	1,438
Ginger	1,208	0	0	0	139	0	0	0	0	0	126	0	411
Zukkin	30	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	12,044	1,723	1,927	252	2,299	0	99	0	0	735	3,576	0	1,671
Tomatoes	48,383	3,504	7,088	945	6,168	281	0	368	129	2,869	9,392	109	6,480
Spinach	11,482	653	708	87	917	0	0	0	0	121	4,984	43	1,778
Carrot	1,434	55	686	92	205	0	0	0	0	0	83	0	55
Chillies	4,121	308	758	0	569	0	0	42	0	372	1,224	92	2,008
Amaranths	7,197	366	1,163	151	562	0	38	47	0	540	3,645	92	3,962
Pumpkins	2,910	30	584	521	404	0	0	0	0	92	1,852	0	4,662
Cucumber	2,228	176	218	122	516	0	0	0	0	25	203	0	970
Egg Plant	2,003	61	454	32	145	0	0	0	0	0	1,167	0	566
Water Mellon	1,592	126	404	37	489	0	0	126	0	79	203	0	182
Malay	71	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**128,596**	**9,022**	**17,677**	**2,658**	**15,730**	**624**	**268**	**927**	**166**	**6,235**	**34,233**	**508**	**29,500**
Cotton	216,739	3,154	3,924	460	1,458	1,297	8,598	4,847	413	2,270	24,698	1,234	10,415
Tobacco	37,836	312	1,993	343	1,555	1,417	4,428	394	328	395	14,933	818	3,146
Pyrethrum	4,454	699	66	159	231	109	0	0	0	0	1,093	159	578
Jute	45	0	0	0	0	0	0	0	0	0	0	0	0
Seaweed	1,374	0	0	0	0	0	0	0	25	29	0	0	374
CASH CROPS	**260,448**	**4,165**	**5,983**	**962**	**3,244**	**2,824**	**13,025**	**5,240**	**766**	**2,694**	**40,723**	**2,212**	**14,513**
Total	**4,039,139**	**202,143**	**288,380**	**53,911**	**317,552**	**21,295**	**56,581**	**19,605**	**38,590**	**123,277**	**934,957**	**21,648**	**3,913,145**

USE OF AGRICULTURAL INPUTS

5.56: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Inproved Seeds Use by Crop during 2007/08 agriculture year - SHORT RAINY SEASON - Mainalnd

Crop	Improved Seed							% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Cost of Improved Seeds	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Maize	278,482	149,342	14,772,787,024	1,361,250	733,788	1,639,732	883,130	16.91
Paddy	16,668	15,922	4,247,082,843	220,972	184,853	237,640	200,775	7.93
Sorghum	3,844	3,371	643,241,538	140,788	65,686	144,633	69,058	4.88
Bulrush Millet	94	57	30,464,482	3,566	4,381	3,660	4,438	1.28
Finger Millet	702	245	131,007,979	24,227	8,410	24,929	8,655	2.83
Wheat	87	339	85,593,589	3,188	885	3,275	1,225	27.70
Barley	89	36	4,316,528	102	17	191	53	68.61
CEREALS		**169,313**	**19,914,493,984**		**998,020**		**1,167,333**	**14.50**
Cassava	360	114	169,872,094	10,511	3,783	10,871	3,897	2.92
Sweet Potato	4,437	1,174	3,721,808,713	271,040	62,421	275,478	63,595	1.85
Irish potatoes	2,274	498	1,188,771,315	35,024	9,359	37,297	9,857	5.05
Yams	0	0	112,989,715	16,601	2,009	16,601	2,009	0.00
Coco Yam	725	50	490,581,773	58,723	6,546	59,448	6,596	0.76
ROOTS & TUBERS		**1,836**	**5,684,023,611**		**84,118**		**85,954**	**2.14**
Mung Bean	769	189	118,148,834	6,378	2,510	7,146	2,700	7.02
Beans	32,546	10,463	10,653,257,743	774,370	239,929	806,916	250,392	4.18
Cowpeas	5,875	1,328	486,193,192	99,642	27,000	105,517	28,328	4.69
Green gram	1,506	371	130,737,743	38,252	8,850	39,758	9,221	4.02
Chick peas	559	293	12,836,686	972	368	1,530	661	44.40
Bambaranuts	650	97	98,590,319	15,262	2,219	15,911	2,316	4.20
Field Peas	924	147	100,422,286	8,805	1,280	9,729	1,428	10.33
PULSES		**12,889**	**11,600,186,803**		**282,156**	**986,507**	**295,045**	**4.37**
Sunflower	5,063	2,275	72,013,549	11,030	4,638	16,093	6,913	32.91
Simsim	2,104	1,314	88,013,648	13,775	5,711	15,879	7,025	18.71
Groundnut	4,461	882	1,951,260,432	164,478	45,113	168,939	45,995	1.92
Soya Beans	259	40	8,581,837	1,316	387	1,576	427	9.46
Castor Fung	371	51	2,900,141	0	0	371	51	100.00
OIL SEEDS & OIL NUTS		**4,562**	**2,122,769,608**		**55,849**		**60,411**	**7.55**
Okra	6,160	1,135	84,660,214	6,610	1,762	12,770	2,898	39.19
Radish	265	160	12,646,500	840	208	1,105	368	43.42
Turmeric	0	0	400,681	162	86	162	86	0.00
Bitteer Aubergine	2,600	355	29,868,144	7,522	743	10,122	1,098	32.35
Onion	5,811	1,239	286,499,411	4,238	1,019	10,048	2,258	54.86
Ginger	88	18	174,895,473	3,086	1,029	3,174	1,046	1.70
Cabbage	10,419	1,788	163,426,201	6,771	582	17,190	2,370	75.46
Tomatoes	31,702	6,019	331,702,496	17,515	2,144	49,217	8,163	73.73
Spinach	5,551	540	20,527,319	1,764	164	7,315	705	76.65
Carrot	2,157	325	17,355,968	115	5	2,272	330	98.58
Chillies	5,911	778	35,059,020	4,636	656	10,547	1,434	54.24
Amaranths	7,169	815	44,006,018	9,706	914	16,874	1,729	47.14
Pumpkins	968	126	13,857,885	6,555	602	7,523	729	17.34
Cucumber	2,642	544	23,575,952	1,814	182	4,455	726	74.92
Egg Plant	1,227	235	6,167,639	595	42	1,822	277	84.80
Water Mellon	3,270	1,449	39,655,473	934	377	4,204	1,826	79.36
FRUITS & VEGETABLES		**15,528**	**1,284,304,395**		**10,516**		**26,044**	**59.62**
Cotton	104,774	105,040	1,139,824,479	20,854	18,726	125,628	123,766	84.87
Tobacco	3,576	2,269	157,029,712	3,318	1,543	6,894	3,812	59.53
Pyrethrum	0	0	1,551,521	1,273	548	1,273	548	0.00

5.56: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Inproved Seeds Use by Crop during 2007/08 agriculture year - SHORT RAINY SEASON - Mainalnd

Crop	Improved Seed							% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Cost of Improved Seeds	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Jute	0	0	3,726	37	2	37	2	0.00
Seaweed	92	112	193,625,724	424	126	517	237	47.08
CASH CROPS		**107,421**	**1,492,035,162**		**20,943**		**128,365**	**83.68**
Total		**311,549**	**42,097,813,563**		**1,451,603**		**1,763,152**	**17.7**

5.57: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Inproved Seeds Use by Crop during 2007/08 agriculture year - SHORT RAINY SEASON - National

Crop	Improved Seed							% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Cost of Improved Seeds	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Maize	280,403	149,710	14,794,555,771	1,366,068	734,715	1,614,854	883,305	16.95
Paddy	18,783	16,510	4,412,514,222	227,808	187,391	245,752	203,721	8.10
Sorghum	4,089	3,405	645,997,564	142,495	66,067	146,343	69,108	4.93
Bulrush Millet	94	57	120,833,340	7,270	5,252	7,364	5,309	1.07
Finger Millet	702	245	131,007,979	24,227	8,410	24,892	8,655	2.83
Wheat	87	339	85,593,589	3,188	885	3,275	1,225	27.70
Barley	89	36	4,316,528	102	17	817	367	9.84
CEREALS		**170,302**	**20,194,818,993**		**1,002,737**		**1,171,689**	**14.53**
Cassava	455	141	172,170,750	10,593	3,793	11,047	3,935	3.59
Sweet Potato	4,725	1,247	3,851,838,373	283,026	65,448	286,984	66,631	1.87
Irish potatoes	2,305	501	1,190,099,006	35,106	9,366	37,271	9,880	5.07
Yams	535	122	332,318,789	25,248	3,644	25,720	3,760	3.25
Coco Yam	741	52	542,304,102	61,027	6,937	61,639	6,988	0.74
ROOTS & TUBERS		**2,063**	**6,088,731,020**		**89,188**		**91,194**	**2.26**
Mung Bean	769	189	118,148,834	6,378	2,510	7,374	2,826	6.70
Beans	32,546	10,463	10,653,668,371	774,469	239,953	803,383	250,302	4.18
Cowpeas	6,204	1,415	502,653,552	103,596	27,964	109,317	29,379	4.82
Green gram	1,554	375	134,548,904	39,837	9,129	41,297	9,504	3.94
Chick peas	559	293	12,836,686	972	368	1,546	662	44.35
Bambaranuts	681	104	100,320,550	15,345	2,238	16,026	2,341	4.42
Field Peas	924	147	100,422,286	8,805	1,280	9,294	1,428	10.32
PULSES		12,987	11,622,599,184		283,442		**296,442**	**4.38**
Sunflower	5,063	2,275	72,013,549	11,030	4,638	15,827	6,913	32.91
Simsim	2,104	1,314	88,013,648	13,775	5,711	15,905	7,636	17.21
Groundnut	4,675	921	1,964,385,591	165,458	45,339	169,806	46,251	1.99
Soya Beans	259	40	8,581,837	1,316	387	1,576	427	9.46
Castor Fung	371	51	2,900,141	0	0	371	51	100.00
OIL SEEDS & OIL NUTS		**4,602**	**2,135,894,766**		**56,074**		**61,278**	**7.51**
Okra	6,449	1,164	87,811,239	7,446	1,855	12,933	3,034	38.36
Radish	295	161	12,723,047	902	239	1,078	400	40.27
Turmeric	0	0	4,480,411	534	145	534	145	0.00
Bitteer Aubergine	2,786	395	35,624,750	7,795	769	10,056	1,165	33.95
Kothmir	31	2	3,391,142	0	0			
Onion	5,874	1,243	286,954,703	4,269	1,022	10,035	2,265	54.86
Ginger	88	18	174,895,473	3,086	1,029	3,174	1,046	1.70
Zukkin	25	5	381,748	0	0	314	66	7.81
Star Fruit	0	0	40,617	16	1	16	1	0.00
Cabbage	10,512	1,801	163,642,527	6,771	582	16,291	2,383	75.59
Tomatoes	32,216	6,089	345,469,924	20,536	2,686	49,922	8,772	69.42
Spinach	5,581	542	20,756,707	1,790	170	6,991	711	76.15
Carrot	2,189	326	17,949,911	172	7	2,214	333	97.79
Chillies	6,059	795	37,659,665	5,020	687	10,536	1,476	53.85
Amaranths	7,545	858	50,969,718	11,043	1,047	17,608	1,906	45.04
Pumpkins	1,106	146	16,878,939	8,037	843	9,005	990	14.77
Cucumber	2,873	578	29,738,198	2,698	339	5,330	917	62.98
Egg Plant	1,759	318	12,746,991	2,432	303	4,002	620	51.22
Water Mellon	3,388	1,488	43,592,443	959	377	4,164	1,865	79.79
FRUITS & VEGETABLES		**15,928**	**1,345,708,151**		**12,102**		**28,096**	**56.69**
Cotton	104,774	105,040	1,139,824,479	20,854	18,726	124,625	123,684	84.93

5.57: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Inproved Seeds Use by Crop during 2007/08 agriculture year - SHORT RAINY SEASON - National

Crop	Improved Seed							% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Cost of Improved Seeds	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Tobacco	3,576	2,269	157,029,712	3,318	1,543	6,894	3,812	59.53
Pyrethrum	0	0	1,551,521	1,273	548	1,273	548	0.00
Jute	0	0	3,726	37	2	37	2	0.00
Seaweed	796	264	196,342,700	514	140	1,278	404	65.34
CASH CROPS		**107,573**	**1,494,752,138**		**20,958**		**128,449**	**83.75**
Total		**313,456**	**42,882,504,252**	**3,436,639**	**1,464,500**		**1,777,148**	**17.64**

5.58: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Inproved Seeds Use by Crop during 2007/08 agriculture year - SHORT RAINY SEASON - Zanzibar

Crop	Improved Seed							% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Cost of Improved Seeds	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Maize	1,921	368	21,768,747	4,818	927	6,739	1,295	28.4
Paddy	2,115	588	165,431,379	6,836	2,538	8,951	3,125	18.8
Sorghum	245	34	2,756,025	1,706	381	1,951	414	8.1
Bulrush Millet	0	0	90,368,858	3,704	871	3,704	871	0.0
CEREALS		**989**	**280,325,009**		**4,716**		**5,706**	**17.3**
Cassava	94	27	2,298,656	81	10	176	37	73.2
Sweet Potato	287	73	130,029,660	11,986	3,027	12,273	3,100	2.4
Irish potatoes	31	3	1,327,690	82	7	114	11	29.9
Yams	535	122	219,329,074	8,647	1,635	9,182	1,757	7.0
Coco Yam	16	1	51,722,329	2,304	391	2,320	392	0.3
ROOTS & TUBERS		**227**	**404,707,410**		**5,070**		**5,297**	**4.3**
Beans	0	0	410,628	99	24	99	24	0.0
Cowpeas	329	88	16,460,360	3,954	964	4,283	1,052	8.3
Green gram	48	4	3,811,161	1,585	279	1,633	283	1.5
Bambaranuts	31	6	1,730,231	84	19	115	26	24.9
PULSES		**98**	**22,412,380**		**1,286**		**1,384**	**7.1**
Groundnut	214	40	13,125,158	980	225	1,194	265	14.9
OIL SEEDS & OIL NUTS		**40**	**13,125,158**		**225**		**265**	**14.9**
Okra	289	28	3,151,026	835	93	1,125	121	23.5
Radish	30	1	76,547	62	31	92	32	4.5
Turmeric	0	0	4,079,730	372	59	372	59	0.0
Bitteer Aubergine	186	40	5,756,606	273	27	460	67	60.2
Onion	31	2	3,391,142	0	0	31	2	100.0
Zukkin	63	4	455,292	31	3	94	6	56.3
Star Fruit	25	5	381,748	0	0	25	5	100.0
Cabbage	0	0	40,617	16	1	16	1	0.0
Tomatoes	92	12	216,326	0	0	92	12	100.0
Spinach	514	70	13,767,427	3,021	541	3,535	612	11.5
Carrot	30	2	229,389	26	5	56	7	23.6
Chillies	31	1	593,943	57	3	88	3	22.8
Amaranths	148	17	2,600,645	383	31	531	48	34.9
Pumpkins	376	43	6,963,700	1,337	134	1,713	177	24.5
Cucumber	139	20	3,021,054	1,482	241	1,620	261	7.6
Egg Plant	231	33	6,162,246	885	157	1,116	191	17.5
Water Mellon	531	83	6,579,352	1,837	260	2,368	343	24.1
Cauliflower	119	39	3,936,969	25	0	144	39	99.7
FRUITS & VEGETABLES		**400**	**61,403,756**		**1,586**		**1,987**	**20.2**
Seaweed	704	152	2,716,976	90	14	793	166	91.5
CASH CROPS		**152**	**2,716,976**		**14**		**166**	**91.5**
Total		**1,907**	**784,690,689**	**57,599**	**12,898**	**67,007**	**14,805**	**12.9**

5.62 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertiliser Use by Crop - SHORT RAINY SEASON

Crop	Fertilizer Use								Total	
	Organic Fertlizer			Inorganic Fertilizer			No Fertilizer Applied			
	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Maize	63,666	3,471,947,735	149,842	34,858	3,434,601,261	1,608,934	1,667,737	3,090,204	98,524	1,758,776
Paddy	4,410	126,661,653	6,389	17,816	1,339,577,970	237,002	379,324	468,333	22,226	243,391
Sorghum	3,437	186,311,841	8,316	270	9,546,796	144,478	134,408	281,647	3,708	152,794
Bulrush Millet	19	1,407,754	94	0	0	3,660	8,856	7,226	19	3,754
Finger Millet	322	28,501,730	971	116	2,693,717	24,892	16,872	48,813	438	25,863
Wheat	158	20,985,397	753	433	2,990,338	3,275	1,858	5,797	591	4,028
Barley	0	0	0	0	0	191	105	382	0	191
CEREALS	**72,012**	**3,835,816,109**		**53,494**	**4,789,410,083**		**2,209,161**	**3,902,401**	**125,506**	**2,188,796**
Cassava	43	4,703,780	288	44	347,196	10,871	7,708	21454.52	87	11,160
Sweet Potato	2,338	299,709,161	11,358	392	31,063,606	275,003	124,460	540,387	2,730	286,361
Irish potatoes	2,207	136,823,863	7,949	1,369	184,080,334	37,065	16,137	66,621	3,576	45,013
Yams	276	50,341,274	1,580	0	0	16,601	3,742	31,770	276	18,180
Coco Yam	408	97,020,341	3,196	0	0	59,319	12,784	115,535	408	62,515
ROOTS & TUBERS	**5,271**	**588,598,419**		**1,806**	**215,491,137**		**164,831**	**775,767**	**7,077**	**423,229**
Mung Bean	139	27,718,830	730	6	15,007	7,146	5,254	13,562	145	7,876
Beans	12,000	1,016,399,994	48,735	3,055	280,144,681	803,698	485,730	1,569,428	15,055	852,433
Cowpeas	611	39,868,286	3,635	151	19,293,535	105,034	55,893	206,433	762	108,669
Green gram	265	31,503,786	1,494	0	0	39,664	18,176	77,927	265	41,158
Chick peas	4	852,388	43	6	0	1,530	1,312	3,018	10	1,573
Bambaranuts	123	7,327,718	1,075	0	0	15,911	4,509	30,747	123	16,986
Field Peas	198	20,895,246	1,532	77	36,370,825	9,268	2,581	17,004	274	10,800
PULSES	**13,341**	**1,144,566,248**		**3,295**	**335,824,048**		**573,455**	**1,918,121**	**16,635**	**1,039,495**
Sunflower	72	1,217,768	475	135	12,040,796	15,827	13,619	31,287	207	16,302
Simsim	0	0	0	33	379,671	15,821	14,016	31,643	33	15,821
Groundnut	856	61,024,819	3,468	132	3,727,790	168,705	91,002	334,523	988	172,173
Soya Beans	64	1,109,969	159	28	3,499,987	1,576	762	3,151	93	1,734
Castor Fung	51	7,292,669	371	0	0	371	51	371	51	742
OIL SEEDS & OIL NUTS	**1,043**	**70,645,226**		**329**	**19,648,244**		**119,450**	**400,975**	**1,372**	**206,772**
Okra	584	54,976,845	3,721	411	48,595,446	11,783	4,801	19,914	995	15,504
Radish	30	42,035,251	158	94	4,777,551	985	611	1,813	124	1,143

5.62 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertiliser Use by Crop - SHORT RAINY SEASON

Crop	Fertilizer Use								Total	
	Organic Fertlizer			Inorganic Fertilizer			No Fertilizer Applied			
	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Turmeric	0	0	0	0	0	162	172	324	0	162
Bitteer Aubergine	343	40,248,525	5,408	338	48,765,903	9,597	1,514	13,943	681	15,004
Onion	242	70,323,222	1,305	1,227	200,316,525	9,973	3,048	18,695	1,468	11,278
Ginger	699	135,033,919	2,354	0	0	3,174	1,394	4,082	699	5,527
Cabbage	645	70,768,463	6,886	696	105,094,129	16,199	3,399	26,095	1,341	23,085
Tomatoes	2,544	214,862,225	16,874	3,609	544,983,584	46,532	10,174	77,889	6,153	63,406
Spinach	229	26,558,786	2,335	231	18,162,636	6,935	949	11,536	460	9,270
Carrot	144	11,618,062	1,046	99	16,635,092	2,157	416	3,446	243	3,203
Chillies	267	26,688,334	2,413	536	118,028,967	10,035	2,066	17,939	803	12,448
Amaranths	698	55,858,465	5,930	213	29,484,591	15,895	2,546	26,296	912	21,825
Pumpkins	138	12,298,351	1,422	26	4,364,466	7,415	1,293	13,407	164	8,836
Cucumber	253	13,092,242	1,202	231	45,055,916	4,245	969	7,476	484	5,447
Egg Plant	81	3,073,178	519	150	13,791,313	1,633	324	2,748	230	2,153
Water Mellon	797	37,449,500	1,373	346	39,420,877	4,020	2,509	6,668	1,143	5,393
FRUITS & VEGETABLES	**7,695**	**814,885,365**		**8,207**	**1,237,476,994**		**36,186**	**252,271**	**15,902**	**203,685**
Cotton	7,940	300,202,860	10,061	1,622	76,299,497	124,625	237,970	241,668	9,562	134,686
Tobacco	297	18,499,967	712	1,632	637,298,035	6,894	5,696	13,198	1,928	7,606
Pyrethrum	0	0	0	0	0	1,273	1,095	2,546	0	1,273
Jute	0	0	0	0	0	37	3	75	0	37
Seaweed	112	1,104,667	92	0	0	517	363	941	112	609
CASH CROPS	**8,348**	**319,807,494**		**3,254**	**713,597,531**		**245,127**	**258,428**	**11,602**	**144,210**
Total	**107,710**	**6,774,318,861**	**316,261**	**70,384**	**7,311,448,038**	**3,889,926**	**3,348,209**	**7,507,963**	**178,094**	**4,206,187**

5.63 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertiliser Use by Crop - SHORT RAINY SEASON Zanzzibar

Crop	Fertilizer Use								Total	
	Organic Fertlizer			Inorganic Fertilizer			No Fertilizer Applied			
	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Maize	257	5,841,803	1,298	50	648,452	6,537	2,282	11,837	307	7,835
Paddy	159	4,034,292	523	803	55,682,480	8,776	5,288	17,060	962	9,298
Sorghum	71	1,672,850	236	0	0	1,951	758	3,667	71	2,187
Bulrush Millet	200	5,159,756	642	0	0	3,704	1,542	6,766	200	4,347
CEREALS	**687**	**16,708,700**		**853**	**56,330,932**		**9,871**	**39,330**	**1,541**	**23,667**
Cassava	0	0	0	0	0	176	75	351.75	0	176
Sweet Potato	293	9,408,044	1,085	86	2,933,997	12,241	5,821	23,475	379	13,326
Irish potatoes	1	125,598	31	0	0	114	20	196	1	145
Yams	399	18,881,264	2,145	0	0	9,150	3,115	16,253	399	11,295
Coco Yam	134	6,149,411	707	11	729,550	2,351	640	3,933	145	3,058
ROOTS & TUBERS	**827**	**34,564,317**		**97**	**3,663,547**		**9,670**	**44,209**	**924**	**28,000**
Beans	0	0	0	10	190,874	99	37	198	10	99
Cowpeas	72	1,073,953	306	6	53,811	4,283	2,025	8,259	78	4,588
Green gram	14	498,225	96	0	0	1,633	553	3,170	14	1,729
Bambaranuts	0	0	0	0	0	115	51	231	0	115
PULSES	**86**	**1,572,179**		**17**	**244,685**		**2,666**	**11,857**	**102**	**6,532**
Groundnut	48	1,818,333	178	13	4,651	1,194	469	2,209	60	1,372
OIL SEEDS & OIL NUTS	**48**	**1,818,333**		**13**	**4,651**		**469**	**2,209**	**60**	**1,372**
Okra	69	1,361,166	617	0	0	1,125	173	1,663	69	1,742
Radish	26	60,796	61	0	0	92	39	124	26	153
Turmeric	0	0	0	0	0	372	119	744	0	372
Bitteer Aubergine	58	4,293,190	320	0	0	460	76	599	58	780
Onion	3	7,850	31	3	470,992	63	6	94	6	94
Zukkin	5	381,748	25	0	0	25	5	25	5	51
Star Fruit	0	0	0	0	0	16	2	32	0	16
Cabbage	9	1,165,461	62	3	212,785	92	12	123	12	154
Tomatoes	305	11,024,271	1,347	9	407,233	3,440	909	5,595	314	4,787
Spinach	0	0	0	2	121,592	56	12	112	2	56
Carrot	0	0	0	3	282,595	57	4	114	3	57
Chillies	31	2,167,037	356	0	0	531	64	707	31	887
Amaranths	118	9,045,813	1,052	11	476,457	1,713	225	2,375	129	2,766

5.63 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertiliser Use by Crop - SHORT RAINY SEASON Zanzzibar

Crop	Fertilizer Use								Total	
	Organic Fertlizer			Inorganic Fertilizer			No Fertilizer Applied			
	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Pumpkins	67	2,288,439	298	0	0	1,590	455	2,882	67	1,888
Cucumber	123	7,387,591	660	3	212,785	1,085	255	1,509	126	1,745
Egg Plant	192	9,177,588	1,039	3	133,878	2,368	491	3,698	195	3,407
Water Mellon	39	3,122,267	119	0	0	144	39	170	39	263
FRUITS & VEGETABLES	**1,046**	**51,483,216**		**37**	**2,318,317**		**2,887**	**20,566**	**1,083**	**19,218**
Seaweed	0	0	0	0	0	762	332	1,524	0	762
CASH CROPS	**0**	**0**		**0**	**0**		**332**	**1,524**	**0**	
Total	**2,694**	**106,146,745**	**13,235**	**1,016**	**62,562,131**	**66,316**	**25,896**	**119,695**	**3,710**	**78,789**

5.64 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertiliser Use by Crop - SHORT RAINY SEASON National

Crop	Fertilizer Use								Total	
	Organic Fertlizer			Inorganic Fertilizer			No Fertilizer Applied			
	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Maize	63,923	3,477,789,538	151,140	34,908	3,435,249,714	1,615,471	1,670,019	3,102,041	98,831	1,766,611
Paddy	4,569	130,695,944	6,912	18,619	1,395,260,450	245,777	384,613	485,393	23,188	252,689
Sorghum	3,508	187,984,691	8,551	270	9,546,796	146,429	135,165	285,314	3,778	154,981
Bulrush Millet	219	6,567,510	736	0	.	7,364	10,398	13,991	219	8,100
Finger Millet	322	28,501,730	971	116	2,693,717	24,892	16,872	48,813	438	25,863
Wheat	158	20,985,397	753	433	2,990,338	3,275	1,858	5,797	591	4,028
Barley	0	0	0	0	.	191	105	382	0	191
CEREALS	**72,699**	**3,852,524,810**		**54,347**	**4,845,741,015**		**2,219,031**	**3,941,731**	**127,046**	**2,212,462**
Cassava	43	4,703,780	288	44	347,196	11,047	7,782	21806.27	87	11,336
Sweet Potato	2,631	309,117,205	12,442	478	33,997,603	287,244	130,281	563,863	3,109	299,687
Irish potatoes	2,208	136,949,461	7,980	1,369	184,080,334	37,179	16,157	66,817	3,577	45,159
Yams	675	69,222,539	3,724	0	.	25,751	6,857	48,023	675	29,475
Coco Yam	542	103,169,752	3,903	11	729,550	61,670	13,424	119,468	553	65,573
ROOTS & TUBERS	**6,099**	**623,162,737**		**1,903**	**219,154,683**		**174,501**	**819,977**	**8,001**	**451,229**
Mung Bean	139	27,718,830	730	6	15,007	7,146	5,254	13,562	145	7,876
Beans	12,000	1,016,399,994	48,735	3,065	280,335,555	803,797	485,767	1,569,626	15,065	852,532
Cowpeas	683	40,942,239	3,941	157	19,347,345	109,317	57,918	214,693	840	113,257
Green gram	279	32,002,011	1,590	0	.	41,297	18,729	81,097	279	42,887
Chick peas	4	852,388	43	6	0	1,530	1,312	3,018	10	1,573
Bambaranuts	123	7,327,718	1,075	0	.	16,026	4,560	30,978	123	17,101
Field Peas	198	20,895,246	1,532	77	36,370,825	9,268	2,581	17,004	274	10,800
PULSES	**13,426**	**1,146,138,426**		**3,311**	**336,068,732**		**576,121**	**1,929,978**	**16,737**	**1,046,027**
Sunflower	72	1,217,768	475	135	12,040,796	15,827	13,619	31,287	207	16,302
Simsim	0	0	0	33	379,671	15,821	14,016	31,643	33	15,821
Groundnut	904	62,843,152	3,647	145	3,732,441	169,898	91,471	336,731	1,049	173,545
Soya Beans	64	1,109,969	159	28	3,499,987	1,576	762	3,151	93	1,734
Castor Fung	51	7,292,669	371	0	.	371	51	371	51	742
OIL SEEDS & OIL NUTS	**1,091**	**72,463,559**		**341**	**19,652,895**		**119,920**	**403,183**	**1,432**	**208,144**
Okra	653	56,338,010	4,338	411	48,595,446	12,908	4,974	21,577	1,063	17,246
Radish	56	42,096,046	218	94	4,777,551	1,078	650	1,937	151	1,296
Turmeric	0	0	0	0	.	534	291	1,068	0	534

5.64 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertiliser Use by Crop - SHORT RAINY SEASON National

	Fertilizer Use								Total	
	Organic Fertlizer			Inorganic Fertilizer			No Fertilizer Applied			
Crop	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Bitteer Aubergine	401	44,541,715	5,728	338	48,765,903	10,056	1,590	14,542	740	15,784
Kothmir	2	94,198	31	0	.	31	2	31	2	63
Onion	245	70,331,071	1,337	1,230	200,787,517	10,035	3,055	18,790	1,475	11,372
Ginger	699	135,033,919	2,354	0	.	3,174	1,394	4,082	699	5,527
Zukkin	5	381,748	25	0	.	25	5	25	5	51
Star Fruit	0	0	0	0	.	16	2	32	0	16
Cabbage	655	71,933,924	6,948	699	105,306,914	16,291	3,411	26,218	1,354	23,239
Tomatoes	2,849	225,886,495	18,221	3,618	545,390,816	49,972	11,083	83,485	6,467	68,194
Spinach	229	26,558,786	2,335	232	18,284,227	6,991	961	11,648	461	9,326
Carrot	144	11,618,062	1,046	102	16,917,687	2,214	420	3,560	246	3,260
Chillies	298	28,855,370	2,769	536	118,028,967	10,566	2,130	18,646	834	13,335
Amaranths	816	64,904,278	6,983	225	29,961,049	17,608	2,771	28,670	1,041	24,591
Pumpkins	205	14,586,790	1,720	26	4,364,466	9,005	1,748	16,289	231	10,725
Cucumber	376	20,479,833	1,862	234	45,268,701	5,330	1,224	8,985	610	7,192
Egg Plant	273	12,250,765	1,558	152	13,925,191	4,002	815	6,446	425	5,560
Water Mellon	837	40,571,767	1,491	346	39,420,877	4,164	2,548	6,837	1,183	5,656
FRUITS & VEGETABLES	**8,743**	**866,462,779**		**8,244**	**1,239,795,312**		39,074	272,869	16,987	222,966
Cotton	7,940	300,202,860	10,061	1,622	76,299,497	124,625	237,970	241,668	9,562	134,686
Tobacco	297	18,499,967	712	1,632	637,298,035	6,894	5,696	13,198	1,928	7,606
Pyrethrum	0	0	0	0	.	1,273	1,095	2,546	0	1,273
Jute	0	0	0	0	.	37	3	75	0	37
Seaweed	112	1,104,667	92	0	.	1,278	695	2,465	112	1,370
CASH CROPS	**8,348**	**319,807,494**		**3,254**	**713,597,531**		**245,459**	**259,952**	**11,602**	143,602
Total	**110,406**	**6,880,559,804**	**329,527**	**71,400**	**7,374,010,169**	**3,956,273**	**3,374,106**	**7,627,690**	**181,806**	4,284,430

5.65 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Herbicide Use by Crop - SHORT RAINY SEASON - Mainland

Crop	Herbicide use							% of area planted under Herbicide in SHORT rainy season
	Number of Households using Herbicide	Planted Area with Herbicide	Cost of Herbicide	Number of Households NOT using Herbicide	Planted Area with no Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Maize	15,473	10,212	335,056,379	1,595,525	872,918	1,610,998	883,130	1.2
Paddy	37,555	47,530	853,175,797	203,908	153,245	241,462	200,775	23.7
Sorghum	57	35	742,023	144,478	69,023	144,535	69,058	0.1
Bulrush Millet	0	0	0	3,660	4,438	3,660	4,438	0.0
Finger Millet	0	0	0	24,892	8,655	24,892	8,655	0.0
Wheat	318	246	7,511,960	2,957	979	3,275	1,225	20.1
Barley	0	0	0	191	53	191	53	0.0
CEREALS		**58,023**	**1,196,486,158**		**1,109,310**	**2,029,013**	**1,167,333**	**5.0**
Cassava	0	0	0	10,871	3,897	10,871	3,897	0.00
Sweet Potato	144	58	7,224,032	274,858	63,536	275,003	63,595	0.1
Irish potatoes	289	222	5,394,165	36,776	9,634	37,065	9,857	2.3
Yams	87	3	75,949	16,514	2,006	16,601	2,009	0.1
Coco Yam	87	3	75,949	59,232	6,593	59,319	6,596	0.0
ROOTS & TUBERS		**286**	**12,770,095**		**85,668**	**398,859**	**85,954**	**0.3**
Mung Bean	273	342	6,721,950	6,873	2,358	7,146	2,700	12.7
Beans	3,588	2,121	79,609,053	800,532	248,272	804,120	250,392	0.8
Cowpeas	45	4	0	105,034	28,324	105,079	28,328	0.0
Green gram	94	19	175,969	39,570	9,202	39,664	9,221	0.2
Chick peas	29	6	0	1,501	655	1,530	661	0.9
Bambaranuts	0	0	0	15,911	2,316	15,911	2,316	0.0
Field Peas	0	0	0	9,268	1,428	9,268	1,428	0.0
PULSES		**2,491**	**86,506,972**		**292,554**	**982,719**	**295,045**	**0.8**
Sunflower	0	0	0	15,827	6,913	15,827	6,913	0.0
Simsim	317	121	3,731,615	15,613	6,903	15,930	7,025	1.7
Groundnut	245	89	2,850,623	168,569	45,906	168,813	45,995	0.2
Soya Beans	0	0	0	1,576	427	1,576	427	0.0
Castor Fung	0	0	0	371	51	371	51	0.0
OIL SEEDS & OIL NUTS		**211**	**6,582,238**		**60,200**		**60,411**	**0.3**
Okra	340	127	3,932,630	11,443	2,771	11,783	2,898	4.4
Radish	0	0	0	985	368	985	368	0.0
Turmeric	0	0	0	162	86	162	86	0.0
Bitteer Aubergine	321	45	1,809,610	9,276	1,053	9,597	1,098	4.1
Onion	1,625	413	45,389,350	8,434	1,846	10,059	2,258	18.3
Ginger	0	0	0	3,174	1,046	3,174	1,046	0.0
Cabbage	1,950	302	13,776,247	14,351	2,068	16,301	2,370	12.8
Tomatoes	3,698	570	39,344,345	43,168	7,594	46,866	8,163	7.0
Spinach	483	34	1,481,302	6,452	670	6,935	705	4.9
Carrot	570	109	4,676,164	1,707	221	2,277	330	33.0
Chillies	658	58	4,164,636	9,479	1,377	10,137	1,434	4.0
Amaranths	789	91	2,883,263	15,142	1,638	15,932	1,729	5.2
Pumpkins	60	10	57,526	7,354	718	7,415	729	1.4

5.65 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Herbicide Use by Crop - SHORT RAINY SEASON - Mainland

Crop	Herbicide use							% of area planted under Herbicide in SHORT rainy season
	Number of Households using Herbicide	Planted Area with Herbicide	Cost of Herbicide	Number of Households NOT using Herbicide	Planted Area with no Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Cucumber	484	74	6,262,723	3,863	652	4,347	726	10.2
Egg Plant	92	19	165,788	1,541	259	1,633	277	6.7
Water Mellon	124	61	1,320,369	3,932	1,765	4,057	1,826	3.3
FRUITS & VEGETABLES		**1,911**	**125,263,952**		**24,132**	**151,659**	**26,044**	**7.3**
Cotton	821	500	15,484,005	124,277	123,266	125,097	123,766	0.4
Tobacco	0	0	0	6,894	3,812	6,894	3,812	0.0
Pyrethrum	0	0	0	1,273	548	1,273	548	0.0
Jute	0	0	0	37	2	37	2	0.0
Seaweed	0	0	0	517	237	517	237	0.0
CASH CROPS		**500**	**15,484,005**		**127,864**	**133,818**	**128,365**	**0.4**
Total		**63,423**	**1,443,093,420**		**1,699,729**	**3,898,585**	**1,763,152**	**3.6**

5.66 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Herbicide Use by Crop - SHORT RAINY SEASON - Zanzibar

Crop	Herbicide use							% of area planted under Herbicide in SHORT rainy season
	Number of Households using Herbicide	Planted Area with Herbicide	Cost of Herbicide	Number of Households NOT using Herbicide	Planted Area with no Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Maize	30	12	730	6,507	1,282	6,537	1,295	1.0
Paddy	829	469	32,908,111	8,100	2,657	8,929	3,125	15.0
Sorghum	0	0	0	1,951	414	1,951	414	0.0
Bulrush Millet	0	0	0	3,704	871	3,704	871	0.0
CEREALS		**481**	**32,908,840**		**5,225**	**21,121**	**5,706**	**8.4**
Cassava	0	0	0	176	37	176	37	0.00
Sweet Potato	0	0	0	12,241	3,100	12,241	3,100	0.0
Irish potatoes	0	0	0	114	11	114	11	0.0
Yams	0	0	0	9,150	1,757	9,150	1,757	0.0
Coco Yam	0	0	0	2,320	392	2,320	392	0.0
ROOTS & TUBERS		**0**	**0**		**5,297**	**24,001**	**5,297**	**0.0**
Beans	0	0	0	99	24	99	24	0.0
Cowpeas	78	26	511,543	4,205	1,025	4,283	1,052	2.5
Green gram	0	0	0	1,633	283	1,633	283	0.0
Bambaranuts	0	0	0	115	26	115	26	0.0
PULSES		**26**	**511,543**		**1,358**	**6,130**	**1,384**	**1.9**
Groundnut	0	0	0	1,194	265	1,194	265	0.0
OIL SEEDS & OIL NUTS		0	0		265	**1,194**	**265**	**0.0**
Okra	30	6	607,958	1,094	115	1,125	121	5.1
Radish	0	0	0	92	32	92	32	0.0
Turmeric	0	0	0	372	59	372	59	0.0
Bitteer Aubergine	0	0	0	460	67	460	67	0.0
Onion	0	0	0	63	6	63	6	0.0
Zukkin	0	0	0	25	5			
Star Fruit	0	0	0	16	1	16	1	0.0
Cabbage	0	0	0	92	12	92	12	0.0
Tomatoes	0	0	0	3,440	612	3,440	612	0.0
Spinach	0	0	0	56	7	56	7	0.0
Carrot	0	0	0	57	3	57	3	0.0
Chillies	0	0	0	531	48	531	48	0.0
Amaranths	30	6	182,388	1,683	171	1,713	177	3.5
Pumpkins	30	12	364,775	1,560	249	1,590	261	4.7
Cucumber	25	2	203,599	1,059	189	1,085	191	1.1
Egg Plant	25	3	254,498	2,343	340	2,368	343	0.9
Water Mellon	25	21	381,748	119	19	144	39	52.3
FRUITS & VEGETABLES		**50**	**1,994,966**		**1,935**	**13,205**	**1,980**	**2.5**
Seaweed	0	0	0	762	166	762	166	0.0
CASH CROPS		**0**	**0**		**166**	**762**	**166**	**0.0**
Total		**558**	**35,415,349**		**14,079**	**65,651**	**14,632**	**3.8**

5.67 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Herbicide Use by Crop - SHORT RAINY SEASON -National

Crop	Herbicide use							% of area planted under Herbicide
	Number of Households using Herbicide	Planted Area with Herbicide	Cost of Herbicide	Number of Households NOT using Herbicide	Planted Area with no Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Maize	15,503	10,224	335,057,108	1,602,032	874,201	1,617,535	884,425	1.2
Paddy	38,383	47,999	886,083,908	212,008	155,901	250,391	203,900	23.5
Sorghum	57	35	742,023	146,429	69,437	146,486	69,472	0.0
Bulrush Millet	0	0	0	7,364	5,309	7,364	5,309	0.0
Finger Millet	0	0	0	24,892	8,655	24,892	8,655	0.0
Wheat	318	246	7,511,960	2,957	979	3,275	1,225	20.1
Barley	0	0	0	191	53	191	53	0.0
CEREALS		**58,504**	**1,229,394,999**		**1,114,535**	**2,050,134**	**1,173,039**	**5.0**
Cassava	0	0	0	11,047	3,935	11,047	3,935	0.00
Sweet Potato	144	58	7,224,032	287,100	66,636	287,244	66,695	0.1
Irish potatoes	289	222	5,394,165	36,890	9,645	37,179	9,867	2.3
Yams	87	3	75,949	25,664	3,763	25,751	3,766	0.1
Coco Yam	87	3	75,949	61,553	6,986	61,639	6,988	0.0
ROOTS & TUBERS		**286**	**12,770,095**		**90,965**	**422,861**	**91,251**	**0.3**
Mung Bean	273	342	6,721,950	6,873	2,358	7,146	2,700	12.7
Beans	3,588	2,121	79,609,053	800,631	248,296	804,219	250,416	0.8
Cowpeas	123	30	511,543	109,239	29,349	109,362	29,379	0.1
Green gram	94	19	175,969	41,203	9,485	41,297	9,504	0.2
Chick peas	29	6	0	1,501	655	1,530	661	0.9
Bambaranuts	0	0	0	16,026	2,341	16,026	2,341	0.0
Field Peas	0	0	0	9,268	1,428	9,268	1,428	0.0
PULSES		**2,518**	**87,018,515**		**293,912**	**988,848**	**296,429**	**0.8**
Sunflower	0	0	0	15,827	6,913	15,827	6,913	0.0
Simsim	317	121	3,731,615	15,613	6,903	15,930	7,025	1.7
Groundnut	245	89	2,850,623	169,762	46,171	170,007	46,260	0.2
Soya Beans	0	0	0	1,576	427	1,576	427	0.0
Castor Fung	0	0	0	371	51	371	51	0.0
OIL SEEDS & OIL NUTS		**211**	**6,582,238**		**60,465**	**203,710**	**60,676**	**0.3**
Okra	370	133	4,540,589	12,537	2,886	12,908	3,019	4.4
Radish	0	0	0	1,078	400	1,078	400	0.0
Turmeric	0	0	0	534	145	534	145	0.0
Bitteer Aubergine	321	45	1,809,610	9,735	1,120	10,056	1,165	3.8
Kothmir	0	0	0	31	2			
Onion	1,625	413	45,389,350	8,497	1,852	10,122	2,265	18.2
Ginger	0	0	0	3,174	1,046	3,174	1,046	0.0
Zukkin	0	0	0	25	5			
Star Fruit	0	0	0	16	1	16	1	0.0
Cabbage	1,950	302	13,776,247	14,443	2,080	16,393	2,383	12.7
Tomatoes	3,698	570	39,344,345	46,608	8,205	50,307	8,775	6.5
Spinach	483	34	1,481,302	6,508	677	6,991	711	4.8

5.67 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Herbicide Use by Crop - SHORT RAINY SEASON -National

Crop	Herbicide use							% of area planted under Herbicide
	Number of Households using Herbicide	Planted Area with Herbicide	Cost of Herbicide	Number of Households NOT using Herbicide	Planted Area with no Herbicide	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Carrot	570	109	4,676,164	1,764	224	2,334	333	32.6
Chillies	658	58	4,164,636	10,010	1,424	10,668	1,482	3.9
Amaranths	820	97	3,065,650	16,826	1,809	17,645	1,906	5.1
Pumpkins	90	23	422,301	8,914	967	9,005	990	2.3
Cucumber	510	76	6,466,322	4,922	841	5,432	917	8.3
Egg Plant	118	22	420,286	3,884	599	4,002	620	3.5
Water Mellon	150	81	1,702,117	4,051	1,784	4,201	1,865	4.4
FRUITS & VEGETABLES		**1,962**	**127,258,917**		**26,069**	**164,864**	**28,024**	**7.0**
Cotton	821	500	15,484,005	124,277	123,266	125,097	123,766	0.4
Tobacco	0	0	0	6,894	3,812	6,894	3,812	0.0
Pyrethrum	0	0	0	1,273	548	1,273	548	0.0
Jute	0	0	0	37	2	37	2	0.0
Seaweed	0	0	0	1,278	404	1,278	404	0.0
CASH CROPS		**500**	**15,484,005**		**128,030**	**134,580**	**128,531**	**0.4**
Total		**63,981**	**1,478,508,769**		**1,713,976**	**3,964,998**	**1,777,949**	**3.6**

5.68: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Mainland

Crop	Input Use											
	Improved Seed				Local Seeds				Insecticide			
	Planted Area	Cost of Improved Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Local Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Insecticide	Average cost per hectare	Number of Household
Maize	149,342	5,257,338,176	35,203	278,482	711,846	9,515,448,849	13,367	1,330,452	23,882	401,605,270	16,816	51,058
Paddy	15,922	274,484,720	17,239	16,668	183,920	3,972,598,123	21,600	220,334	4,476	73,692,396	16,463	7,802
Sorghum	3,371	13,875,700	4,116	3,844	63,868	629,365,839	9,854	140,634	286	12,111,381	42,391	860
Bulrush Millet	57	281,551	4,940	94	4,381	30,182,931	6,890	3,566	0	0	0	0
Finger Millet	245	2,342,964	9,569	702	8,264	128,665,015	15,569	24,190	109	1,037,719	9,485	649
Wheat	339	6,934,116	20,441	87	885	78,659,473	88,834	3,188	351	4,362,715	12,432	144
Barley	36	3,297,370	91,390	89	17	1,019,158	61,750	102	0	0	0	0
CEREALS	**169,313**	**5,558,554,596**	**32,830**		**973,180**	**14,355,939,388**	**14,752**		**29,104**	**492,809,481**	**16,933**	
Cassava	114	11,630,479	102,087	360	3,642	158,241,615	43,455	10511.06	49	2,011,990	40,662	266
Sweet Potato	1,174	80,260,526	68,381	4,437	60,100	3,641,548,187	60,591	270,565	34	2,050,011	59,959	303
Irish potatoes	498	127,841,959	256,713	2,274	9,219	1,060,929,356	115,083	34,791	1,206	50,454,534	41,832	3,007
Yams	0	0	0	0	1,946	112,989,715	58,070	16,601	0	0	0	0
Coco Yam	50	29,854,268	594,514	725	6,346	460,727,505	72,606	58,594	15	294,653	19,760	147
ROOTS & TUBERS	**1,836**	**249,587,233**			**81,252**	**5,434,436,378**	**66,884**		**1,305**	**54,811,188**		
Mung Bean	189	8,591,956	45,359	769	2,502	109,556,879	43,782	6,378	404	3,683,558	9,113	408
Beans	10,463	518,542,939	49,559	32,546	233,949	10,134,714,804	43,320	771,151	8,864	142,672,931	16,096	19,109
Cowpeas	1,328	39,081,094	29,434	5,875	26,045	447,112,098	17,167	99,159	1,190	23,198,660	19,487	5,426
Green gram	371	6,514,986	17,584	1,506	8,699	124,222,756	14,280	38,158	361	17,383,286	48,205	1,611
Chick peas	293	8,230,963	28,051	559	361	4,605,724	12,757	972	274	1,915,140	6,987	439
Bambaranuts	97	700,397	7,204	650	2,188	97,889,922	44,730	15,262	32	39,490	1,235	158
Field Peas	147	32,982,099	223,731	924	1,160	67,440,187	58,135	8,344	233	18,629,082	80,082	1,134
PULSES	**12,889**	**614,644,434**			**274,905**	**10,985,542,370**	**39,961**		**11,358**	**207,522,147**		
Sunflower	2,275	46,910,719	20,616	5,063	4,559	25,102,830	5,506	10,764	481	2,235,609	4,649	1,120

5.68: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Mainland

Crop	Input Use											
	Improved Seed				Local Seeds				Insecticide			
	Planted Area	Cost of Improved Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Local Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Insecticide	Average cost per hectare	Number of Household
Simsim	1,314	17,220,810	13,105	2,104	5,643	70,792,839	12,546	13,717	1,505	20,142,745	13,387	3,466
Groundnut	882	153,487,214	174,088	4,461	44,555	1,797,773,218	40,349	164,244	115	2,194,665	19,017	325
Soya Beans	40	867,212	21,450	259	341	7,714,625	22,618	1,316	0	0	0	0
Castor Fung	51	2,900,141	57,058	371	0	0	0	0	28	830,827	29,640	277
OIL SEEDS & OIL NUTS	**4,562**	**221,386,096**			**55,098**	**1,901,383,512**	**34,509**		**2,129**	**25,403,845**		
Okra	1,135	42,336,884	37,286	6,160	1,570	42,323,330	26,965	5,623	931	33,186,748	35,646	4,133
Radish	160	3,638,197	22,775	265	176	9,008,303	51,218	720	0	0	0	0
Turmeric	0	0	0	0	86	400,681	4,662	162	0	0	0	0
Bitteer Aubergine	355	7,306,756	20,576	2,600	687	22,561,388	32,854	6,997	563	54,564,741	96,868	3,424
Onion	1,239	212,103,311	171,191	5,811	946	74,396,099	78,683	4,162	1,104	87,257,348	79,047	4,574
Ginger	18	3,080,861	172,900	88	1,029	171,814,612	167,050	3,086	0	0	0	0
Cabbage	1,788	116,721,721	65,264	10,419	484	46,704,480	96,406	5,779	925	58,749,710	63,506	6,385
Tomatoes	6,019	235,303,413	39,093	31,702	1,652	96,399,084	58,356	14,830	4,592	385,292,974	83,914	24,128
Spinach	540	17,902,097	33,145	5,551	119	2,625,221	22,009	1,385	317	13,111,953	41,306	3,289
Carrot	325	17,355,968	53,403	2,157	0	.	0	0	99	4,155,465	42,041	582
Chillies	778	26,417,470	33,950	5,911	472	8,641,550	18,322	4,124	586	41,878,695	71,521	4,489
Amaranths	815	33,522,842	41,134	7,169	549	10,483,176	19,088	8,726	343	7,373,056	21,524	2,294
Pumpkins	126	6,909,545	54,682	968	404	6,948,340	17,200	6,447	193	4,135,241	21,396	1,080
Cucumber	544	19,531,202	35,885	2,642	128	4,044,751	31,500	1,603	372	25,389,487	68,174	1,811
Egg Plant	235	5,523,495	23,483	1,227	17	644,144	37,297	406	169	3,160,677	18,737	834
Water Mellon	1,449	28,388,449	19,590	3,270	362	11,267,025	31,097	750	1,044	34,566,542	33,121	2,480
FRUITS & VEGETABLES	**15,528**	**776,042,210**			**8,681**	**508,262,184**	**58,551**		**11,237**	**752,822,638**		

5.68: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Mainland

Crop	Input Use											
	Improved Seed				Local Seeds				Insecticide			
	Planted Area	Cost of Improved Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Local Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Insecticide	Average cost per hectare	Number of Household
Cotton	105,040	939,218,616	8,942	104,774	18,141	200,605,863	11,058	19,851	84,455	1,805,822,660	21,382	79,387
Tobacco	2,269	27,047,545	11,919	3,576	1,526	129,982,167	85,167	3,318	1,270	30,043,515	0	2,193
Pyrethrum	0	0	0	0	548	1,551,521	2,833	1,273	0	0	0	0
Jute	0	0	0	0	2	3,726	2,470	37	0	0	0	0
Seaweed	112	55,233,344	494,000	92	53	138,392,381	2,587,969	424	0	0	0	0
CASH CROPS	**107,421**	**1,021,499,504**			**20,269**	**470,535,658**	**23,214**		**85,725**	**1,835,866,176**		
Total	**311,549**	**8,441,714,073**	**27,096**		**1,413,385**	**33,656,099,490**	**23,812**		**140,858**	**3,369,235,475**	**23,919**	

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Cont Table 5.68: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Mainland

Crop	Input Use											
	Fungicide				Herbicide				Irrigation		Total	
	Planted Area	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Maize	3,572	84,689,961	23,708	6,646	10,212	335,056,379	32,810	15,473	34,144	71,850	932,998	1,753,960
Paddy	1,279	24,156,388	18,891	2,224	47,530	853,175,797	17,950	37,555	15,741	20,575	268,868	305,157
Sorghum	350	28,146,206	80,332	747	35	742,023	21,407	57	2,628	1,489	70,539	147,631
Bulrush Millet	0	0	0	0	0	0	0	0	114	94	4,552	3,754
Finger Millet	22	648,574	29,640	108	0	0	0	0	176	584	8,816	26,232
Wheat	281	10,401,175	37,050	29	246	7,511,960	30,581	318	531	794	2,633	4,560
Barley	0	0	0	0	0	0	0	0	0	0	53	191
CEREALS	**5,504**	**148,042,304**	**26,898**		**58,023**	**1,196,486,158**	**20,621**		**53,334**		**1,288,458**	**2,241,485**
Cassava	0	0	0	0	0	-	-	0.00	134	510	3,939	11,647
Sweet Potato	29	20,333,632	701,005	276	58	7,224,032	123,500	144	701	2,555	62,096	278,281
Irish potatoes	1,765	141,765,444	80,301	5,290	222	5,394,165	24,271	289	1,176	5,708	14,086	51,359
Yams	0	0	0	0	3	75,949	27,016	87	123	129	2,071	16,817
Coco Yam	0	0	0	0	3	75,949	27,016	87	27	418	6,440	59,971
ROOTS & TUBERS	**1,794**	**162,099,076**			**286**	**12,770,095**			**2,160**		**88,633**	**478,588**
Mung Bean	15	183,116	11,984	47	342	6,721,950	19,671	273	86	636	3,539	8,510
Beans	3,830	144,007,987	37,599	7,602	2,121	79,609,053	37,539	3,588	8,570	29,993	267,797	863,989
Cowpeas	77	1,787,582	23,289	261	4	0	0	45	406	3,003	29,049	113,769
Green gram	40	1,963,156	48,603	144	19	175,969	9,263	94	42	245	9,531	41,757
Chick peas	0	0	0	0	6	0	0	29	54	165	988	2,163
Bambaranuts	0	0	0	0	0	0	0	0	56	520	2,374	16,590
Field Peas	103	56,088,609	541,986	569	0	0	0	0	198	965	1,841	11,936
PULSES	**4,066**	**204,030,449**			**2,491**	**86,506,972**			**9,411**		**315,120**	**1,058,714**
Sunflower	0	0	0	0	0	0	0	0	311	1,117	7,627	18,063
Simsim	71	2,193,510	30,875	88	121	3,731,615	30,719	317	79	448	8,733	20,139
Groundnut	15	2,322,848	159,020	324	89	2,850,623	31,971	245	157	1,089	45,813	170,688
Soya Beans	0	0	0	0	0	0	0	0	28	140	410	1,716
Castor Fung	28	1,938,596	69,160	277	0	0	0	0	51	371	158	1,295
OIL SEEDS & OIL NUTS	**114**	**6,454,955**			**211**	**6,582,238**			**626**		**62,740**	**211,901**
Okra	392	11,591,204	29,585	1,679	127	3,932,630	31,065	340	858	5,471	5,012	23,406

Cont Table 5.68: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Mainland

Crop	Input Use											
	Fungicide				Herbicide				Irrigation		Total	
	Planted Area	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Radish	0	0	0	0	0	0	0	0	124	397	460	1,382
Turmeric	0	0	0	0	0	0	0	0	0	0	86	162
Bitteer Aubergine	295	26,976,123	91,291	2,591	45	1,809,610	40,556	321	597	4,941	2,542	20,873
Onion	877	66,972,816	76,347	3,544	413	45,389,350	109,960	1,625	1,325	6,166	5,903	25,881
Ginger	0	0	0	0	0	0	0	0	740	2,577	1,787	5,751
Cabbage	271	19,753,516	72,966	2,421	302	13,776,247	45,549	1,950	1,029	7,469	4,800	34,423
Tomatoes	4,477	738,127,695	164,872	23,791	570	39,344,345	69,063	3,698	5,423	27,585	22,732	125,734
Spinach	125	5,159,581	41,257	957	34	1,481,302	43,270	483	402	4,432	1,538	16,097
Carrot	96	5,035,133	52,391	567	109	4,676,164	43,013	570	185	1,504	814	5,380
Chillies	444	73,721,723	165,961	3,282	58	4,164,636	72,151	658	723	5,704	3,060	24,168
Amaranths	70	1,824,271	25,930	970	91	2,883,263	31,773	789	830	7,597	2,698	27,545
Pumpkins	43	958,143	22,048	342	10	57,526	5,549	60	182	1,938	960	10,835
Cucumber	311	13,778,627	44,278	1,212	74	6,262,723	84,614	484	452	2,415	1,882	10,168
Egg Plant	49	1,500,356	30,681	263	19	165,788	8,892	92	186	1,075	674	3,898
Water Mellon	881	44,601,592	50,622	1,805	61	1,320,369	21,704	124	1,045	2,375	4,842	10,805
FRUITS & VEGETABLES	**8,333**	**1,010,000,780**			**1,911**	**125,263,952**			**14,102**		**59,792**	**346,507**
Cotton	668	19,456,789	29,109	556	500	15,484,005	30,950	821	2,853	3,302	211,657	208,689
Tobacco	232	9,365,202	40,440	564	0	0	0	0	635	1,101	5,933	10,751
Pyrethrum	0	0	0	0	0	0	0	0	0	0	548	1,273
Jute	0	0	0	0	0	0	0	0	0	0	2	37
Seaweed	0	0	0	0	0	0	0	0	0	0	165	517
CASH CROPS	**900**	**28,821,991**			**500**	**15,484,005**			**3,488**		**218,304**	**221,268**
Total	**20,711**	**1,559,449,555**	**75,297**	**9,753**	**63,423**	**1,443,093,420**	**22,754**		**83,121**		**2,033,047**	236,032

5.69: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - National

Crop	Input Use											
	Improved Seed				Local Seeds				Insecticide			
	Planted Area	Cost of Improved Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Local Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Insecticide	Average cost per hectare	Number of Household
Maize	149,710	5,262,795,094	35,153	280,403	712,703	9,531,760,677	13,374	1,335,068	24,063	403,502,523	16,769	51,683
Paddy	16,510	307,462,973	18,623	18,783	186,307	4,105,051,249	22,034	226,994	4,522	74,491,982	16,472	7,923
Sorghum	3,405	14,324,072	4,207	4,089	64,249	631,673,492	9,832	142,340	286	12,111,381	42,391	860
Bulrush Millet	57	281,551	4,940	94	5,252	120,551,790	22,954	7,270	0	0	0	0
Finger Millet	245	2,342,964	9,569	702	8,264	128,665,015	15,569	24,190	109	1,037,719	9,485	649
Wheat	339	6,934,116	20,441	87	885	78,659,473	88,834	3,188	351	4,362,715	12,432	144
Barley	36	3,297,370	91,390	89	17	1,019,158	61,750	102	0	0	0	0
CEREALS	**170,302**	**5,597,438,140**			**977,677**	**14,597,380,853**			**29,331**	**495,506,319**		
Cassava	141	12,606,321	89,210	455	3,652	159,564,429	43,698	10592.53	49	2,011,990	40,662	266
Sweet Potato	1,247	84,057,590	67,406	4,725	62,948	3,767,780,784	59,855	282,520	52	2,153,960	41,379	360
Irish potatoes	501	127,936,158	255,273	2,305	9,226	1,062,162,848	115,124	34,874	1,206	50,454,534	41,832	3,007
Yams	122	17,079,946	139,716	535	3,534	315,238,843	89,194	25,216	12	190,584	15,952	80
Coco Yam	52	29,919,255	580,598	741	6,728	512,384,848	76,160	60,898	15	294,653	19,760	147
ROOTS & TUBERS	**2,063**	**271,599,269**			**86,088**	**5,817,131,751**			**1,335**	**55,105,721**		
Mung Bean	189	8,591,956	45,359	769	2,502	109,556,879	43,782	6,378	404	3,683,558	9,113	408
Beans	10,463	518,542,939	49,559	32,546	233,973	10,135,125,432	43,317	771,250	8,864	142,672,931	16,096	19,109
Cowpeas	1,415	42,094,740	29,739	6,204	27,006	460,558,812	17,054	103,113	1,236	23,595,193	19,083	5,625
Green gram	375	6,528,780	17,425	1,554	8,978	128,020,124	14,259	39,743	366	17,428,671	47,621	1,685
Chick peas	293	8,230,963	28,051	559	361	4,605,724	12,757	972	274	1,915,140	6,987	439
Bambaranuts	104	2,113,372	20,403	681	2,208	98,207,177	44,486	15,345	38	667,479	17,413	189
Field Peas	147	32,982,099	223,731	924	1,160	67,440,187	58,135	8,344	233	18,629,082	80,082	1,134
PULSES	**12,987**	**619,084,850**			**276,188**	**11,003,514,334**			**11,416**	**208,592,054**		
Sunflower	2,275	46,910,719	20,616	5,063	4,559	25,102,830	5,506	10,764	481	2,235,609	4,649	1,120
Simsim	1,314	17,220,810	13,105	2,104	5,643	70,792,839	12,546	13,717	1,505	20,142,745	13,387	3,466
Groundnut	921	157,182,023	170,627	4,675	44,781	1,807,203,568	40,357	165,224	121	2,220,114	18,415	350
Soya Beans	40	867,212	21,450	259	341	7,714,625	22,618	1,316	0	0	0	0
Castor Fung	51	2,900,141	57,058	371	0	0	0	0	28	830,827	29,640	277
OIL SEEDS & OIL NUTS	**4,602**	**225,080,904**			**55,324**	**1,910,813,862**			**2,134**	**25,429,295**		

5.69: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - National

Crop	Input Use											
	Improved Seed				Local Seeds				Insecticide			
	Planted Area	Cost of Improved Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Local Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Insecticide	Average cost per hectare	Number of Household
Okra	1,164	43,938,520	37,750	6,449	1,662	43,872,719	26,393	6,458	962	34,044,187	35,387	4,434
Radish	161	3,668,595	22,755	295	207	9,054,452	43,768	782	26	349,576	13,399	61
Turmeric	0	0	0	0	145	4,480,411	31,003	534	0	0	0	0
Bitteer Aubergine	395	8,208,327	20,759	2,786	713	27,416,423	38,433	7,270	610	56,112,964	91,934	3,640
Kothmir	2	3,391,142	2,052,000	31	0	0	0				0	
Onion	1,243	212,558,604	171,064	5,874	946	74,396,099	78,643	0	1,104	87,257,348	79,047	4,574
Ginger	1,243	3,080,861	2,479	5,874	1,029	171,814,612	166,972	4,162	0	0	0	0
Zukkin	18	381,748	21,424	88	0	0	0	3,086	5	381,748	74,100	25
Star Fruit	5	381,748	74,100	25	0	40,617	0	0	0	0	0	0
Cabbage	1,801	116,938,047	64,935	10,512	1	46,704,480	54,619,558	16	938	59,122,712	63,063	6,477
Tomatoes	6,089	239,062,883	39,260	32,216	484	106,407,041	219,641	5,779	4,826	389,359,904	80,686	24,935
Spinach	542	18,008,490	33,244	5,581	2,178	2,748,217	1,262	17,757	319	13,257,863	41,557	3,319
Carrot	326	17,669,963	54,236	2,189	124	279,948	2,249	1,410	99	4,155,465	42,041	582
Chillies	795	27,331,941	34,393	6,059	0	10,327,724	33,411,437	25	606	42,426,946	70,063	4,700
Amaranths	858	34,770,354	40,510	7,545	499	16,199,363	32,434	4,508	391	9,037,677	23,094	2,702
Pumpkins	146	7,237,892	49,516	1,106	678	9,641,047	14,229	10,063	280	6,138,116	21,918	1,402
Cucumber	578	22,776,077	39,434	2,873	636	6,962,121	10,951	7,898	465	28,669,353	61,692	2,265
Egg Plant	318	7,526,257	23,688	1,759	275	5,220,733	18,972	2,456	271	6,256,583	23,121	1,401
Water Mellon	1,488	32,198,169	21,633	3,388	273	11,394,274	41,740	2,243	1,083	35,921,865	33,171	2,599
FRUITS & VEGETABLES	**17,171**	**799,129,616**			**9,852**	**546,960,282**			**11,984**	**772,492,309**		
Cotton	105,040	939,218,616	8,942	104,774	18,141	200,605,863	11,058	19,851	84,455	1,805,822,660	21,382	79,387
Tobacco	2,269	27,047,545	11,919	3,576	1,526	129,982,167	85,167	3,318	1,270	30,043,515	23,654	2,193
Pyrethrum	0	0	0	0	548	1,551,521	2,833	1,273	0	0	0	0
Jute	0	0	0	2	0	3,726	0	2	0	0	0	0
Seaweed	264	57,838,268	219,334	796	65	138,504,432	2,121,947	483	0	0	0	0
CASH CROPS	**107,573**	**1,024,104,429**			**20,280**	**470,647,709**			**85,725**	**1,835,866,176**		
Total	**314,698**	**8,536,437,208**	**27,126**		**1,415,556**	**34,346,448,792**	**24,264**		**141,924**	**3,392,991,874**	**23,907**	

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Cont.Table 5.69: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - National

Crop	Input Use											
	Fungicide				Herbicide				Irrigation		Total	
	Planted Area	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Maize	3,615	84,840,697	23,470	6,734	10,224	335,057,108	32,770	15,503	34,205	72,088	934,520	1,761,480
Paddy	1,288	24,338,776	18,897	2,254	47,999	886,083,908	18,460	38,383	16,127	22,091	272,753	316,429
Sorghum	356	28,162,271	79,154	774	35	742,023	21,407	57	2,633	1,514	70,963	149,634
Bulrush Millet	0	0	0	0	0	0	0	0	148	178	5,457	7,542
Finger Millet	22	648,574	29,640	108	0	0	0	0	176	584	8,816	26,232
Wheat	281	10,401,175	37,050	29	246	7,511,960	30,581	318	531	794	2,633	4,560
Barley	0	0	0	0	0	0	0	0	0	0	53	191
CEREALS	**5,561**	**148,391,493**			**58,504**	**1,229,394,999**			**53,820**		**1,295,195**	**2,266,067**
Cassava	0	0	0	0	0	-	-	0.00	134	510	3,976	11,823
Sweet Potato	34	20,534,449	596,471	302	58	7,224,032	123,500	144	781	2,943	65,121	290,994
Irish potatoes	1,765	141,765,444	80,301	5,290	222	5,394,165	24,271	289	1,177	5,739	14,098	51,504
Yams	0	0	0	0	3	75,949	27,016	87	144	292	3,815	26,210
Coco Yam	19	4,255,908	222,465	32	3	75,949	27,016	87	27	418	6,843	62,323
ROOTS & TUBERS	**1,819**	**166,555,800**			**286**	**12,770,095**			**2,262**		**93,853**	**442,853**
Mung Bean	15	183,116	11,984	47	342	6,721,950	19,671	273	86	636	3,539	8,510
Beans	3,830	144,007,987	37,599	7,602	2,121	79,609,053	37,539	3,588	8,580	30,018	267,831	864,113
Cowpeas	82	1,851,844	22,535	288	30	511,543	16,785	123	415	3,059	30,185	118,412
Green gram	40	1,963,156	48,603	144	19	175,969	9,263	94	46	308	9,825	43,528
Chick peas	0	0	0	0	6	0	0	29	54	165	988	2,163
Bambaranuts	0	0	0	0	0	0	0	0	56	520	2,406	16,736
Field Peas	103	56,088,609	541,986	569	0	0	0	0	198	965	1,841	11,936
PULSES	**4,071**	**204,094,710**			**2,518**	**87,018,515**			**9,435**		**316,615**	**1,065,399**
Sunflower	0	0	0	0	0	0	0	0	311	1,117	7,627	18,063
Simsim	71	2,193,510	30,875	88	121	3,731,615	30,719	317	79	448	8,733	20,139
Groundnut	15	2,322,848	159,020	324	89	2,850,623	31,971	245	157	1,089	46,083	171,907
Soya Beans	0	0	0	0	0	0	0	0	28	140	410	1,716
Castor Fung	28	1,938,596	69,160	277	0	0	0	0	51	371	158	1,295

OIL SEEDS & OIL NUTS	**114**	**6,454,955**			**211**	**6,582,238**			**626**		**63,010**	**213,120**
Okra	398	11,637,302	29,236	1,740	133	4,540,589	34,204	370	893	5,936	5,212	25,388
Radish	1	45,597	30,875	30	0	0	0	0	151	457	546	1,626
Turmeric	0	0	0	0	0	0	0	0	0	0	145	534
Bitteer Aubergine	323	26,995,832	83,504	2,653	45	1,809,610	40,556	321	651	5,225	2,738	21,895
Kothmir			0				0					
Onion	0	0	0	0	0	0	0	0	1,331	6,228	4,624	16,676
Ginger	880	67,286,811	76,428	3,575	413	45,389,350	109,960	1,625	740	2,577	4,305	17,813
Zukkin	0	0	0	0	0	0	0	0	5	25	28	3,225
Star Fruit	0	0	0	0	0	0	0	0	0	0	5	25
Cabbage	0	0	0	0	0	0	0	0	1,042	7,561	3,781	24,566
Tomatoes	280	20,052,631	71,629	2,482	302	13,776,247	45,549	1,950	5,658	28,881	17,640	96,243
Spinach	4,530	739,160,152	163,179	24,005	570	39,344,345	69,063	3,698	404	4,463	8,542	58,823
Carrot	127	5,305,491	41,888	987	34	1,481,302	43,270	483	189	1,535	899	7,186
Chillies	99	5,349,128	53,877	599	109	4,676,164	43,013	570	744	5,947	2,352	17,899
Amaranths	452	73,774,615	163,231	3,343	58	4,164,636	72,151	658	956	8,784	3,214	27,540
Pumpkins	81	2,193,656	26,987	1,093	97	3,065,650	31,637	820	216	2,078	1,498	16,562
Cucumber	68	972,734	14,290	402	23	422,301	18,625	90	558	2,958	2,327	16,486
Egg Plant	361	14,989,538	41,567	1,424	76	6,466,322	84,998	510	327	2,011	1,627	9,561
Water Mellon	89	1,893,638	21,298	440	22	420,286	19,336	118	1,085	2,494	4,040	11,282
FRUITS & VEGETABLES	**7,690**	**969,657,124**			**1,880**	**125,556,801**			**14,949**	**87,160**	**63,523**	**373,330**
Cotton	668	19,456,789	29,109	556	500	15,484,005	30,950	821	635	1,101	209,440	206,488
Tobacco	232	9,365,202	40,440	564	0	0	0	0	0	0	5,297	9,651
Pyrethrum	0	0	0	0	0	0	0	0	0	0	548	1,273
Jute	0	3,726	0	2	0	3,726	0	0	0	**2**	4	0
Seaweed	0	0	0	0	0	0	0	0	0	0	329	1,278
CASH CROPS	**900**	**28,825,717**			**500**	**15,487,731**			**635**		**215,618**	**218,690**
Total	**20,155**	**1,523,979,800**	**75,613**		**63,899**	**1,476,810,378**	**23,112**		**81,727**		**2,047,815**	**234,248**

5.70: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Zanzibar

Crop	Input Use											
	Improved Seed				Local Seeds				Insecticide			
	Planted Area	Cost of Improved Seeds	cost per hectare	Number of Household	Planted Area	Cost of Local Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Insecticide	Average cost per hectare	Number of Household
Maize	368	5,456,918	14,826	1,921	857	16,311,828	19,032	4,617	181	1,897,253	10,487	625
Paddy	588	32,978,253	56,130	2,115	2,387	132,453,126	55,483	6,660	46	799,585	17,340	121
Sorghum	34	448,373	13,374	245	381	2,307,653	6,063	1,706	0	0	0	0
Bulrush Millet	0	0	0	0	871	90,368,858	103,703	3,704	0	0	0	0
CEREALS	**989**	**38,883,544**			**4,496**	**241,441,465**			**227**	**2,696,838**		
Cassava	27	975,842	35,636	94	10	1,322,814	131,872	81.47	0	0	0	0
Sweet Potato	73	3,797,064	51,795	287	2,848	126,232,597	44,321	11,954	18	103,948	5,819	57
Irish potatoes	3	94,198	29,640	31	7	1,233,492	165,494	82	0	0	0	0
Yams	122	17,079,946	139,716	535	1,589	202,249,128	127,316	8,615	12	190,584	15,952	80
Coco Yam	1	64,987	49,400	16	382	51,657,343	135,186	2,304	0	0	0	0
ROOTS & TUBERS	**227**	**22,012,037**			**4,836**	**382,695,373**			**30**	**294,533**		
Beans	0	0	0	0	24	410,628	17,224	99	0	0	0	0
Cowpeas	88	3,013,647	34,368	329	961	13,446,713	13,987	3,954	46	396,533	8,617	199
Green gram	4	13,794	3,304	48	279	3,797,368	13,598	1,585	5	45,385	8,444	75
Bambaranuts	6	1,412,976	222,300	31	19	317,255	16,549	84	6	627,989	98,800	31
PULSES	**98**	**4,440,416**			**1,284**	**17,971,964**			**58**	**1,069,907**		
Groundnut	40	3,694,809	93,447	214	225	9,430,350	41,859	980	5	25,450	4,940	25
OIL SEEDS & OIL NUTS	**40**	**3,694,809**			**225**	**9,430,350**			**5**	**25,450**		
Okra	28	1,601,636	56,253	289	93	1,549,389	16,711	835	31	857,439	27,623	301
Radish	1	30,398	20,583	30	31	46,149	1,489	62	26	349,576	13,399	61
Turmeric	0	0	0	0	59	4,079,730	69,654	372	0	0	0	0
Bitteer Aubergine	40	901,570	22,371	186	27	4,855,036	182,160	273	47	1,548,224	32,892	217
Kothmir	2	3,391,142	1,695,571	31	0	0	0				0	
Onion	2	455,292	275,500	31	0	0	0	0	0	0	0	0
Zukkin	4	381,748	106,772	63	0	0	0	0	5	381,748	74,100	25
Star Fruit	5	381,748	74,100	25	1	40,617	47,500	16	0	0	0	0
Cabbage	12	216,326	17,434	92	0	0	0	0	12	373,002	30,061	92
Tomatoes	70	3,759,470	53,565	514	527	10,007,957	19,008	2,927	234	4,066,931	17,372	807
Spinach	2	106,393	66,500	30	5	122,996	23,712	26	2	145,910	91,200	30
Carrot	1	313,995	395,200	31	0	279,948	905,667	25	0	0	0	0
Chillies	17	914,471	55,142	148	28	1,686,174	60,647	383	20	548,251	27,390	211

5.70: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Zanzibar

Crop	Input Use											
	Improved Seed				Local Seeds				Insecticide			
	Planted Area	Cost of Improved Seeds	cost per hectare	Number of Household	Planted Area	Cost of Local Seeds	Average cost per hectare	Number of Household	Planted Area	Cost of Insecticide	Average cost per hectare	Number of Household
Amaranths	43	1,247,512	28,778	376	128	5,716,187	44,535	1,337	49	1,664,621	34,111	408
Pumpkins	20	328,347	16,571	139	232	2,692,707	11,616	1,451	87	2,002,875	23,081	322
Cucumber	33	3,244,875	97,444	231	147	2,917,370	19,875	853	92	3,279,866	35,536	453
Egg Plant	83	2,002,762	24,271	531	256	4,576,589	17,898	1,837	102	3,095,906	30,377	567
Water Mellon	39	3,809,720	97,013	119	0	127,249	1,235,000	25	39	1,355,323	34,513	119
FRUITS & VEGETABLES	**402**	**23,087,405**			**1,532**	**38,698,098**			**747**	**19,669,672**		
Seaweed	152	2,604,925	17,150	704	12	112,052	9,498	58	0	0	0	0
CASH CROPS	**152**	**2,604,925**			**12**	**112,052**			**0**	**0**		
Total	**1,771**	**86,587,910**	**48,895**		**10,877**	**662,946,988**	**60,950**		**1,003**	**22,661,043**	**22,585**	

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Cont. Table 5.70: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Zanzibar

Crop	Input Use											
	Fungicide				Herbicide				Irrigation		Total	
	Planted Area	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Maize	43	150,736	3,526	89	12	730	59	30	61	238	61	7,519
Paddy	9	182,388	19,760	30	469	32,908,111	70,229	829	386	1,516	386	11,272
Sorghum	5	16,065	2,964	27	0	0	0	0	5	25	5	2,004
Bulrush Millet	0	0	0	0	0	0	0	0	34	84	34	3,788
CEREALS	**57**	**349,189**			**481**	**32,908,840**			**486**		**486**	**24,583**
Cassava	0	0	0	0	0	-	-	0.00	0	0	0	176
Sweet Potato	5	200,817	37,050	27	0	0	0	0	80	388	80	12,713
Irish potatoes	0	0	0	0	0	0	0	0	1	31	1	145
Yams	0	0	0	0	0	0	0	0	21	163	21	9,393
Coco Yam	19	4,255,908	222,465	32	0	0	0	0	0	0	0	2,352
ROOTS & TUBERS	**25**	**4,456,724**			**0**	**0**			**102**		**102**	**24,778**
Beans	0	0	0	0	0	0	0	0	10	25	10	124
Cowpeas	5	64,261	11,856	27	26	511,543	19,401	78	9	57	9	4,643
Green gram	0	0	0	0	0	0	0	0	4	64	4	1,771
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	147
OIL SEEDS & OIL NUTS	**0**	**0**			**0**	**0**			**0**		**0**	**1,219**
Okra	6	46,098	7,370	62	6	607,958	98,800	30	36	465	36	1,982
Radish	1	45,597	30,875	30	0	0	0	0	26	61	26	244
Turmeric	0	0	0	0	0	0	0	0	0	0	0	372
Bitteer Aubergine	28	19,709	709	62	0	0	0	0	54	284	54	1,022
Kothmir			0				0					
Onion	3	313,995	98,800	31	0	0	0	0	6	63	6	126
Zukkin	0	0	0	0	0	0	0	0	5	25	5	114
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	42
Cabbage	9	299,116	32,406	61	0	0	0	0	12	92	12	337
Tomatoes	53	1,032,457	19,563	214	0	0	0	0	235	1,297	235	5,758
Spinach	2	145,910	91,200	30	0	0	0	0	2	30	2	147
Carrot	3	313,995	98,800	31	0	0	0	0	3	31	3	120
Chillies	8	52,892	6,822	61	0	0	0	0	21	242	21	1,045

Cont. Table 5.70: ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Input Use and Crop - SHORT RAINY SEASON - Zanzibar

Crop	Input Use											
	Fungicide				Herbicide				Irrigation		Total	
	Planted Area	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area	Number of Household	Planted Area	Number of Household
Amaranths	11	369,385	33,791	123	6	182,388	29,640	30	126	1,187	126	3,462
Pumpkins	25	14,591	593	61	12	364,775	29,640	30	34	140	34	2,143
Cucumber	49	1,210,912	24,499	212	2	203,599	98,800	25	106	542	106	2,317
Egg Plant	40	393,282	9,829	177	3	254,498	82,333	25	141	936	141	4,074
Water Mellon	36	2,763,152	76,558	87	21	381,748	18,525	25	39	119	39	494
FRUITS & VEGETABLES	**274**	**7,021,089**			**50**	**1,994,966**			**847**		**847**	**23,780**
Seaweed	0	0	0	0	0	0	0	0	0	0	0	762
CASH CROPS	**0**	**0**			**0**	**0**			**0**		**0**	**762**
Total	**356**	**11,827,002**	**33,198**	**1,447**	**531**	**34,903,806**	**65,700**	**1,027**	**1,435**	**7,908**	**1,435**	**73,903**

INPUT USE LONG RAINY SEASON

5.72 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop growing Households by Fungicide Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON - Mainland

Crops	Fungicide use						% of Planted area using Fungicide
	Number of Households using Fungicide	Planted Area Fungicide Used	Number of Households NOT using Fungicide	Planted Area Fungicide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	22,575	22,539	5,088,317	3,176,831	5,110,892	3,199,370	0.7
Paddy	4,571	2,293	1,090,417	677,040	1,094,988	679,333	0.3
Sorghum	2,224	1,580	806,805	496,090	809,029	497,670	0.3
Bulrush Millet	200	92	187,384	151,181	187,584	151,273	0.1
Finger Millet	328	167	156,155	60,007	156,482	60,174	0.3
Wheat	2,300	4,408	74,122	37,527	76,422	41,935	10.5
Barley	89	54	548	126	637	180	30.0
Cereals		**31,134**		**4,598,801**		**4,629,936**	**0.7**
Cassava	142	115	25,469	7,267	25,611	7,382	1.6
Sweet Potatoes	699	294	742,091	146,437	742,791	146,732	0.2
Irish Potatoes	25,579	11,924	110,668	16,986	136,248	28,911	41.2
Yams	100	4	28,132	1,890	28,232	1,894	0.2
Cocoyam	346	81	87,953	3,425	88,299	3,507	2.3
ROOTS & TUBERS		**12,420**		**176,006**		**188,425**	**6.6**
Mung Beans	701	239	18,376	5,280	19,077	5,519	4.3
Beans	12,690	6,480	2,025,919	492,813	2,038,610	499,293	1.3
Cowpeas	906	438	319,994	59,690	320,900	60,127	0.7
Green Gram	241	97	113,082	26,089	113,323	26,187	0.4
Chich Peas	683	322	46,849	62,223	47,532	62,546	0.5
Bambaranuts	112	11	155,953	38,089	156,065	38,100	0.0
Field Peas	2,637	1,038	55,296	12,754	57,933	13,793	7.5
PULSES		**8,626**		**696,938**		**705,564**	**1.2**
Sunflower	945	958	498,328	339,607	499,273	340,565	0.3
Simsim	920	851	232,360	132,035	233,280	132,885	0.6
Groundnuts	2,677	1,537	1,037,149	423,065	1,039,826	424,602	0.4
Soya Beans	282	78	17,409	7,017	17,691	7,095	1.1
Castor Seed	0	0	985	326	985	326	0.0
OIL SEEDS & OIL NUTS		**3,424**		**902,049**		**905,473**	**0.4**
Okra	1,710	732	26,435	5,979	28,145	6,711	10.9
Radish	0	0	2,683	1,002	2,683	1,002	0.0
Turmeric	0	0	1,577	954	1,577	954	0.0
Bitter Aubergine	2,734	248	24,468	1,805	27,202	2,053	12.1
Onions	6,170	1,528	35,245	4,989	41,415	6,517	23.5
Ginger	284	57	5,058	545	5,342	602	9.5
Zukkin	0	0	0	0	0	0	0.0
Star Fruit	*0*	0		0	*0*	*0*	0.0
Cabbage	1,175	206	40,508	3,162	41,684	3,368	6.1
Tomatoes	43,852	10,426	128,370	6,802	172,223	17,228	60.5
Spinnach	1,489	279	27,679	2,389	29,168	2,667	10.4
Carrot	433	92	4,768	385	5,201	477	19.3
Chillies	3,049	434	19,073	1,238	22,122	1,672	25.9
Amaranths	590	360	32,844	1,783	33,434	2,143	16.8
Pumpkins	544	137	16,965	826	17,509	964	14.3
Cucumber	1,266	379	8,224	487	9,490	866	43.8
Egg Plant	742	82	3,761	160	4,503	242	34.0
Water Mellon	959	469	7,143	785	8,102	1,254	37.4
FRUITS & VEGETABLES		**15,430**		**33,292**		**48,721**	**31.7**
Cotton	3,961	5,718	404,131	445,352	408,092	451,070	1.3
Tobacco	7,502	7,121	74,791	53,639	82,294	60,760	11.7
Pyrethrum	66	3	8,821	2,980	8,887	2,983	0.1
Jute	0	0	82	18	82	18	0.0
Seaweed	0	0	1,011	183	*1,011*	*183*	0.0
CASH CROPS		**12,842**		**502,172**		**515,014**	**2.5**
Total		**83,877**		**6,909,257**		**6,993,133**	**1.2**

5.73 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop growing Households by Fungicide Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON - Zanzibar

Crops	Fungicide use						% of Planted area using Fungicide
	Number of Households using Fungicide	Planted Area Fungicide Used	Number of Households NOT using Fungicide	Planted Area Fungicide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	25	3	12,385	2,757	12,410	2,760	0.1
Paddy	135	40	62,778	23,434	62,913	23,475	0.2
Sorghum	32	3	6,743	1,505	6,775	1,508	0.2
Bulrush Millet	0	0	937	215	937	215	0.0
Finger Millet	0	0	29	18	29	18	0.0
Wheat	0	0	57	22	57	22	0.0
Barley	0	0	0	0	0	0	0.0
Cereals		**46**		**27,952**		**27,998**	**0.2**
Cassava	0	0	534	168	534	168	0.0
Sweet Potatoes	56	30	16,899	4,794	16,954	4,824	0.6
Irish Potatoes	0	0	183	36	183	36	0.0
Yams	0	0	3,533	674	3,533	674	0.0
Cocoyam	0	0	2,721	445	2,721	445	0.0
ROOTS & TUBERS		**30**		**6,118**		**6,148**	**0.5**
Mung Beans	0	0	0	0	0	0	0.0
Beans	0	0	282	57	282	57	0.0
Cowpeas	32	6	2,614	436	2,646	443	1.4
Green Gram	0	0	1,761	326	1,761	326	0.0
Chich Peas	0	0	0	0	0	0	0.0
Bambaranuts	0	0	0	0	0	0	0.0
Field Peas	0	0	0	0	0	0	0.0
PULSES		**6**		**819**		**825**	**0.8**
Sunflower	0	0	0	0	0	0	0.0
Simsim	0	0	0	0	0	0	0.0
Groundnuts	0	0	1,640	434	1,640	434	0.0
Soya Beans	0	0	0	0	0	0	0.0
Castor Seed	0	0	0	0	0	0	0.0
OIL SEEDS & OIL NUTS		**0**		**434**		**434**	**0.0**
Okra	30	3	1,413	249	1,444	252	1.2
Radish	30	1	158	45	188	47	3.2
Turmeric	0	0	413	131	413	131	0.0
Bitter Aubergine	0	0	411	62	411	62	0.0
Onions	0	0	0	0	0	0	0.0
Ginger	0	0	0	0	0	0	0.0
Zukkin	0	0	30	12	30	12	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	0	0	16	2	16	2	0.0
Tomatoes	117	32	3,760	577	3,877	609	5.3
Spinnach	0	0	29	1	29	1	0.0
Carrot	0	0	0	0	0	0	0.0
Chillies	61	5	395	46	455	50	9.3
Amaranths	56	6	758	88	814	94	6.0
Pumpkins	30	6	1,475	239	1,505	245	2.5
Cucumber	62	22	418	73	479	95	23.3
Egg Plant	117	17	2,184	322	2,301	340	5.1
Water Mellon	0	0	117	20	117	20	0.0
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29	29	71	0.0
FRUITS & VEGETABLES		**93**		**1,896**		**2,031**	**4.6**
Seaweed	**0**	**0**	**1,308**	**287**	***1,308***	***287***	**0.0**
CASH CROPS		**0**		**287**		**287**	**0.0**
Total		**176**		**37,506**		**37,724**	**0.5**

5.74 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop growing Households by Fungicide Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON - National

Crops	Fungicide use						% of Planted area using Fungicide
	Number of Households using Fungicide	Planted Area Fungicide Used	Number of Households NOT using Fungicide	Planted Area Fungicide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	22,600	22,542	3,473,373	3,179,588	3,495,973	3,202,130	0.7
Paddy	4,706	2,334	912,544	700,474	917,249	702,808	0.3
Sorghum	2,255	1,583	667,394	497,595	669,649	499,178	0.3
Bulrush Millet	200	92	184,506	151,396	184,705	151,488	0.1
Finger Millet	328	167	130,964	60,025	131,292	60,192	0.3
Wheat	2,300	4,408	68,676	37,549	70,976	41,957	10.5
Barley	89	54	356	126	446	180	30.0
CEREALS		**31,181**		**4,626,753**		**4,657,934**	**0.7**
Cassava	142	115	14,988	7,435	15,131	7,550	1.5
Sweet Potatoes	755	325	483,424	151,231	484,179	151,556	0.2
Irish Potatoes	25,579	11,924	48,647	17,022	74,226	28,947	41.2
Yams	100	4	14,963	2,564	15,063	2,569	0.2
Cocoyam	346	81	31,156	3,871	31,503	3,952	2.1
ROOTS & TUBERS		**12,450**		**182,124**		**194,574**	**6.4**
Mung Beans	701	239	10,529	5,280	11,230	5,519	4.3
Beans	12,690	6,480	1,211,111	492,870	1,223,802	499,350	1.3
Cowpeas	937	444	216,764	60,126	217,701	60,570	0.7
Green Gram	241	97	74,939	26,415	75,180	26,512	0.4
Chich Peas	683	322	44,936	62,223	45,618	62,546	0.5
Bambaranuts	112	11	139,930	38,089	140,042	38,100	0.0
Field Peas	2,637	1,038	43,501	12,754	46,137	13,793	7.5
PULSES		**8,633**		**697,757**		**706,389**	**1.2**
Sunflower	945	958	481,698	339,607	482,643	340,565	0.3
Simsim	920	851	215,896	132,035	216,816	132,885	0.6
Groundnuts	2,677	1,537	867,999	423,499	870,676	425,036	0.4
Soya Beans	282	78	15,551	7,017	15,833	7,095	1.1
Castor Seed	0	0	614	326	614	326	0.0
OIL SEEDS & OIL NUTS		**3,424**		**902,483**		**905,907**	**0.4**
Okra	1,741	735	14,571	6,228	16,312	6,964	10.6
Radish	30	1	1,855	1,048	1,886	1,049	0.1
Turmeric	0	0	1,828	1,085	1,828	1,085	0.0
Bitter Aubergine	2,734	248	12,732	1,867	15,467	2,115	11.7
Onions	6,170	1,528	19,204	4,989	25,374	6,517	23.5
Ginger	284	57	1,600	545	1,884	602	9.5
Zukkin	0	0	30	12	30	12	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	1,175	206	23,239	3,164	24,414	3,369	6.1
Tomatoes	43,969	10,458	42,639	7,379	86,608	17,837	58.6
Spinnach	1,489	279	19,283	2,390	20,773	2,669	10.4
Carrot	433	92	2,266	385	2,699	477	19.3
Chillies	3,109	438	6,384	1,284	9,494	1,722	25.5
Amaranths	646	365	17,117	1,871	17,763	2,236	16.3
Pumpkins	574	144	10,752	1,065	11,326	1,209	11.9
Cucumber	1,327	401	3,131	560	4,459	961	41.8
Egg Plant	858	100	3,571	482	4,429	582	17.2
Water Mellon	959	469	2,298	805	3,258	1,274	36.8
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29	0	29	0.0
FRUITS & VEGETABLES		**15,522**		**35,188**		**50,710**	**31**
Cotton	3,961	5,718	276,233	445,352	280,194	451,070	1.3
Tobacco	7,502	7,121	61,535	53,639	69,037	60,760	11.7
Pyrethrum	66	3	7,548	2,980	7,614	2,983	0.1
Jute	0	0	45	18	45	18	0.0
Seaweed	0	0	1,803	470	***1,803***	***470***	0.0
CASH CROPS		**12,842**		**502,459**		**515,301**	**2.5**
Total		**84,052**		**6,946,763**		**7,030,815**	**1.2**

5.75 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Insecticide use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON (MASIKA) - Mainland

Crops	Insecticide use						% of Planted area using Insecticide
	Number of Households using Insecticide	Planted Area Insecticide Used	Number of Households NOT using Insecticide	Planted Area Insecticide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	279,556	236,411	3,228,046	2,962,959	3,507,602	3,199,370	7.4
Paddy	8,785	4,539	846,119	674,794	854,904	679,333	0.7
Sorghum	2,043	874	660,858	496,797	662,901	497,670	0.2
Bulrush Millet	153	124	183,572	151,149	183,725	151,273	0.1
Finger Millet	2,127	596	129,261	59,577	131,388	60,174	1.0
Wheat	2,670	2,688	68,249	39,247	70,919	41,935	6.4
Barley	267	144	89	36	356	180	80.0
Cereals		**245,377**		**4,384,559**		**4,629,936**	**5.3**
Cassava	159	12	14,597	7,370	14,756	7,382	0.2
Sweet Potatoes	2,422	1,247	465,398	145,485	467,819	146,732	0.8
Irish Potatoes	12,301	5,637	62,222	23,274	74,522	28,911	19.5
Yams	0	0	11,531	1,894	11,531	1,894	0.0
Cocoyam	465	50	28,169	3,456	28,634	3,507	1.4
ROOTS & TUBERS		**6,946**		**181,479**	***597,263***	***188,425***	**3.7**
Mung Beans	742	284	10,488	5,235	11,230	5,519	5.1
Beans	69,111	36,653	1,159,433	462,640	1,228,545	499,293	7.3
Cowpeas	17,763	6,689	198,201	53,438	215,964	60,127	11.1
Green Gram	2,483	1,257	71,037	24,930	73,520	26,187	4.8
Chich Peas	7,234	11,345	38,503	51,200	45,737	62,546	18.1
Bambaranuts	513	120	139,655	37,980	140,168	38,100	0.3
Field Peas	3,916	1,105	42,142	12,688	46,058	13,793	8.0
PULSES		**57,453**		**648,111**	***1,761,221***	***705,564***	**8.1**
Sunflower	3,477	1,076	479,715	339,489	483,192	340,565	0.3
Simsim	6,424	4,085	210,361	128,800	216,786	132,885	3.1
Groundnuts	2,965	1,313	866,250	423,289	869,215	424,602	0.3
Soya Beans	282	70	15,632	7,025	15,915	7,095	1.0
Castor Seed	0	0	614	326	614	326	0.0
OIL SEEDS & OIL NUTS		**6,544**		**898,929**	***1,585,722***	***905,473***	**0.7**
Okra	3,548	1,030	11,149	5,681	14,697	6,711	15.4
Radish	30	6	1,668	996	1,698	1,002	0.6
Turmeric	159	290	1,256	664	1,415	954	30.4
Bitter Aubergine	3,619	606	11,253	1,447	14,871	2,053	29.5
Onions	9,380	2,500	16,373	4,017	25,753	6,517	38.4
Ginger	0	0	1,884	602	1,884	602	0.0
Zukkin	0	0	0	0	0	0	0.0
Star Fruit	0	0	0	0	***0***	***0***	0.0
Cabbage	12,616	2,026	12,028	1,342	24,645	3,368	60.2
Tomatoes	48,645	10,884	34,138	6,345	82,783	17,228	63.2
Spinnach	9,060	1,237	12,584	1,431	21,643	2,667	46.4
Carrot	686	189	1,925	288	2,611	477	39.7
Chillies	4,606	706	4,432	966	9,038	1,672	42.2
Amaranths	3,024	262	14,089	1,880	17,113	2,143	12.2
Pumpkins	994	218	8,716	746	9,709	964	22.6
Cucumber	1,681	429	2,298	438	3,979	866	49.5
Egg Plant	1,074	99	1,054	143	2,128	242	40.9
Water Mellon	1,707	615	1,416	639	3,123	1,254	49.1
FRUITS & VEGETABLES		**21,097**		**27,625**	***237,092***	***48,721***	**43.3**
Cotton	162,334	255,351	127,840	195,719	290,175	451,070	56.6
Tobacco	38,210	34,564	32,873	26,196	71,082	60,760	56.9
Pyrethrum	66	13	7,482	2,970	7,548	2,983	0.4
Jute	0	0	45	18	45	18	0.0
Seaweed	0	0	495	183	*495*	*183*	0.0
CASH CROPS		**289,928**		**225,085**	**369,345**	**515,014**	**56.3**
Total		**606,249**		**6,338,163**	**9,725,346**	**6,944,412**	**8.7**

5.76 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Insecticide use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON (MASIKA) - Zanzibar

Crops	Insecticide use						% of Planted area using Insecticide
	Number of Households using Insecticide	Planted Area Insecticide Used	Number of Households NOT using Insecticide	Planted Area Insecticide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	535	130	11,907	2,630	12,442	2,760	4.7
Paddy	252	92	62,659	23,382	62,911	23,475	0.4
Sorghum	0	0	6,775	1,508	6,775	1,508	0.0
Bulrush Millet	0	0	937	215	937	215	0.0
Finger Millet	0	0	29	18	29	18	0.0
Wheat	0	0	57	22	57	22	0.0
Barley	0	0	0	0	0	0	0.0
Cereals		**222**		**27,776**		**27,998**	**0.8**
Cassava	0	0	534	168	534	168	0.0
Sweet Potatoes	108	41	16,846	4,784	16,954	4,824	0.8
Irish Potatoes	0	0	183	36	183	36	0.0
Yams	49	7	3,484	667	3,533	674	1.0
Cocoyam	0	0	2,721	445	2,721	445	0.0
ROOTS & TUBERS		**48**		**6,100**		**6,148**	**0.8**
Mung Beans	0	0	0		0	0	0.0
Beans	0	0	282	57	282	57	0.0
Cowpeas	216	34	2,430	409	2,646	443	7.7
Green Gram	112	16	1,650	309	1,761	326	5.0
Chich Peas	0	0	0	0	0	0	0.0
Bambaranuts	0	0	0	0	0	0	0.0
Field Peas	0	0	0	0	0	0	0.0
PULSES		**50**		**775**		**825**	**6.1**
Sunflower	0	0	0	0	***0***	***0***	0.0
Simsim	0	0	0	0	***0***	***0***	0.0
Groundnuts	25	5	1,614	429	1,640	434	1.2
Soya Beans	0	0	0	0	0	0	0
Castor Seed	0	0	0	0	0	0	0.0
OIL SEEDS & OIL NUTS		**5**		**429**	***1,640***	***434***	**1.2**
Okra	213	27	1,262	226	1,475	252	10.5
Radish	30	1	158	45	188	47	3.2
Turmeric	0	0	413	131	413	131	0.0
Bitter Aubergine	184	33	227	28	411	62	54.1
Onions	0	0	0	0	0	0	0.0
Ginger	0	0	0	0	***0***	***0***	0.0
Zukkin	0	0	30	12			0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	0	0	16	2	16	2	0.0
Tomatoes	563	123	3,345	486	3,908	609	20.1
Spinnach	0	0	29	1	29	1	0.0
Carrot	0	0	0	0	0	0	0.0
Chillies	124	8	363	42	487	50	16.2
Amaranths	165	20	649	73	814	94	21.6
Pumpkins	327	58	1,178	187	1,505	245	23.7
Cucumber	174	49	305	46	479	95	51.1
Egg Plant	540	117	1,792	223	2,332	340	34.4
Water Mellon	25	5	92	15	117	20	25.9
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29	71	29	0.0
FRUITS & VEGETABLES		**441**		**1,548**		**1,976**	**22**
Seaweed	**0**	**0**	**1,308**	**287**	***1,308***	***287***	**0.0**
CASH CROPS		**0**		**287**		**287**	**0**
Total		**766**		**36,915**		**37,669**	**31.2**

5.77 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Insecticide use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON (MASIKA) -National

Crops	Insecticide use						% of Planted area using Insecticide
	Number of Households using Insecticide	Planted Area Insecticide Used	Number of Households NOT using Insecticide	Planted Area Insecticide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	280,090	236,541	3,239,953	2,965,589	3,520,044	3,202,130	7.4
Paddy	9,036	4,631	908,779	698,177	917,815	702,808	0.7
Sorghum	2,043	874	667,632	498,305	669,675	499,178	0.2
Bulrush Millet	153	124	184,508	151,364	184,661	151,488	0.1
Finger Millet	2,127	596	129,290	59,595	131,417	60,192	1.0
Wheat	2,670	2,688	68,307	39,269	70,976	41,957	6.4
Barley	267	144	89	36	356	180	80.0
CEREALS		**245,599**		**4,412,335**		**4,657,934**	**5.3**
Cassava	159	12	15,131	7,538	15,290	7,550	0.2
Sweet Potatoes	2,530	1,288	482,244	150,268	484,774	151,556	0.8
Irish Potatoes	12,301	5,637	62,405	23,310	74,705	28,947	19.5
Yams	49	7	15,015	2,562	15,063	2,569	0.3
Cocoyam	465	50	30,890	3,902	31,355	3,952	1.3
ROOTS & TUBERS		**6,994**		**187,580**		**194,574**	**3.6**
Mung Beans	742	284	10,488	5,235	11,230	5,519	5.1
Beans	69,111	36,653	1,159,716	462,697	1,228,827	499,350	7.3
Cowpeas	17,979	6,724	200,631	53,846	218,609	60,570	11.1
Green Gram	2,595	1,273	72,687	25,239	75,282	26,512	4.8
Chich Peas	7,234	11,345	38,503	51,200	45,737	62,546	18.1
Bambaranuts	513	120	139,655	37,980	140,168	38,100	0.3
Field Peas	3,916	1,105	42,142	12,688	46,058	13,793	8.0
PULSES		**57,503**		**648,886**		**706,389**	**8.1**
Sunflower	3,477	1,076	479,715	339,489	483,192	340,565	0.3
Simsim	6,424	4,085	210,361	128,800	216,786	132,885	3.1
Groundnuts	2,991	1,318	867,864	423,718	870,855	425,036	0.3
Soya Beans	282	70	15,632	7,025	15,915	7,095	1.0
Castor Seed	0	0	614	326	614	326	0.0
OIL SEEDS & OIL NUTS		**6,549**		**899,358**		**905,907**	**0.7**
Okra	3,761	1,057	12,411	5,907	16,172	6,964	15.2
Radish	60	7	1,826	1,042	1,886	1,049	0.7
Turmeric	159	290	1,669	795	1,828	1,085	26.7
Bitter Aubergine	3,803	639	11,479	1,476	15,283	2,115	30.2
Onions	9,380	2,500	16,373	4,017	25,753	6,517	38.4
Ginger	0	0	1,884	602	1,884	602	0.0
Zukkin	0	0	30	12	30	12	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	12,616	2,026	12,044	1,343	24,661	3,369	60.1
Tomatoes	49,209	11,006	37,483	6,831	86,691	17,837	61.7
Spinnach	9,060	1,237	12,613	1,432	21,673	2,669	46.3
Carrot	686	189	1,925	288	2,611	477	39.7
Chillies	4,730	714	4,795	1,008	9,525	1,722	41.5
Amaranths	3,189	282	14,738	1,954	17,927	2,236	12.6
Pumpkins	1,321	276	9,894	933	11,215	1,209	22.8
Cucumber	1,856	477	2,603	484	4,459	961	49.6
Egg Plant	1,614	216	2,846	366	4,460	582	37.1
Water Mellon	1,732	620	1,507	653	3,240	1,274	48.7
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29	0	29	0.0
FRUITS & VEGETABLES		**21,537**		**29,172**		**50,710**	**42.5**
Cotton	162,334	255,351	127,840	195,719	290,175	451,070	56.6
Tobacco	38,210	34,564	32,873	26,196	71,082	60,760	56.9
Pyrethrum	66	13	7,482	2,970	7,548	2,983	0.4
Jute	0	0	45	18	45	18	0.0
Seaweed	0	0	1,803	470	***1,803***	***470***	0.0
CASH CROPS		**289,928**		**225,373**		**515,301**	**56.3**
Total		**628,111**		**6,402,703**		**7,030,815**	**8.9**

5.78 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Herbicide use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON (MASIKA) - Mainland

Regions	Herbicide use						% of Planted area using Herbicide
	Number of Households using Herbicide	Planted Area Herbicide Used	Number of Households NOT using Herbicide	Planted Area Herbicide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	55,541	52,866	3,430,038	3,146,504	3,485,579	3,199,370	1.7
Paddy	53,402	57,003	804,719	622,330	858,121	679,333	8.4
Sorghum	1,322	4,014	661,273	493,656	662,595	497,670	0.8
Bulrush Millet	396	68	183,599	151,205	183,995	151,273	0.0
Finger Millet	341	253	130,922	59,921	131,263	60,174	0.4
Wheat	4,220	6,909	66,628	35,026	70,847	41,935	16.5
Barley	178	108	178	72	356	180	60.0
Cereals		121,222		4,508,714		4,629,936	2.6
Cassava	81	12	14,597	7,369	14,679	7,382	0.2
Sweet Potatoes	262	13	467,089	146,718	467,351	146,732	0.0
Irish Potatoes	1,230	649	72,374	28,262	73,604	28,911	2.2
Yams	0	0	11,531	1,894	11,531	1,894	0.0
Cocoyam	0	0	28,634	3,507	28,634	3,507	0.0
ROOTS & TUBERS		674		187,751		188,425	0.4
Mung Beans	0	0	11,230	5,519	11,230	5,519	0.0
Beans	8,708	4,496	1,215,527	494,797	1,224,235	499,293	0.9
Cowpeas	687	247	214,349	59,880	215,036	60,127	0.4
Green Gram	274	125	73,216	26,061	73,490	26,187	0.5
Chich Peas	426	224	45,176	62,322	45,602	62,546	0.4
Bambaranuts	0	0	140,042	38,100	140,042	38,100	0.0
Field Peas	0	0	46,028	13,793	46,028	13,793	0.0
PULSES		**5,092**		**700,472**		**705,564**	**0.7**
Sunflower	1,738	675	481,568	339,890	483,306	340,565	0.2
Simsim	528	271	216,127	132,614	216,655	132,885	0.2
Groundnuts	1,137	601	867,919	424,001	869,056	424,602	0.1
Soya Beans	119	12	15,714	7,083	15,833	7,095	0.2
Castor Seed	0	0	614	326	614	326	0.0
OIL SEEDS & OIL NUTS		**1,559**		**903,914**		**905,473**	**0.2**
Okra	234	66	14,418	6,645	14,652	6,711	1.0
Radish	63	25	1,635	977	1,698	1,002	2.5
Turmeric	0	0	1,415	954	1,415	954	0.0
Bitter Aubergine	172	21	14,700	2,032	14,871	2,053	1.0
Onions	1,362	429	23,911	6,088	25,273	6,517	6.6
Ginger	0	0	1,884	602	1,884	602	0.0
Zukkin	0	0	0	0	0	0	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	1,335	171	22,974	3,197	24,310	3,368	5.1
Tomatoes	5,438	1,283	76,458	15,945	81,896	17,228	7.4
Spinnach	1,078	150	19,824	2,517	20,901	2,667	5.6
Carrot	429	149	2,182	328	2,611	477	31.3
Chillies	525	65	8,513	1,607	9,038	1,672	3.9
Amaranths	206	58	16,743	2,085	16,949	2,143	2.7
Pumpkins	228	50	9,322	914	9,550	964	5.2
Cucumber	244	198	3,735	669	3,979	866	22.8
Egg Plant	169	19	1,959	224	2,128	242	7.8
Water Mellon	85	39	3,038	1,214	3,123	1,254	3.1
FRUITS & VEGETABLES		**2,724**		**45,998**		**48,721**	**5.6**
Cotton	1,011	1,246	278,659	449,824	279,670	451,070	0.3
Tobacco	6,562	5,390	62,439	55,370	69,001	60,760	8.9
Pyrethrum	0	0	7,548	2,983	7,548	2,983	0.0
Jute	0	0	45	18	45	18	0
Seaweed	0	0	495	183	495	183	0
CASH CROPS		**6,636**		**508,378**		**515,014**	**1.3**
Total		**137,907**		**6,855,226**		**6,993,133**	**2.0**

5.79 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Herbicide use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON (MASIKA) - Zanzibar

Crops	Herbicide use						% of Planted area using Herbicide
	Number of Households using Herbicide	Planted Area Herbicide Used	Number of Households NOT using Herbicide	Planted Area Herbicide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	0	0	12,410	2,760	12,410	2,760	0.0
Paddy	2,819	1,282	60,593	22,193	63,411	23,475	5.5
Sorghum	0	0	6,775	1,508	6,775	1,508	0.0
Bulrush Millet	0	0	937	215	937	215	0.0
Finger Millet	0	0	29	18	29	18	0.0
Wheat	0	0	57	22	57	22	0.0
Barley	0	0	0	0	0	0	0.0
Cereals		**1,282**		**26,716**		**27,998**	**4.6**
Cassava	0	0	534	168	534	168	0.0
Sweet Potatoes	0	0	16,924	4,824	16,924	4,824	0.0
Irish Potatoes	0	0	183	36	183	36	0.0
Yams	0	0	3,533	674	3,533	674	0.0
Cocoyam	0	0	2,721	445	2,721	445	0.0
ROOTS & TUBERS		**0**		**6,148**		**6,148**	**0.0**
Mung Beans	0	0	0	0	0	0	0.0
Beans	0	0	282	57	282	57	0.0
Cowpeas	0	0	2,646	443	2,646	443	0.0
Green Gram	0	0	1,761	326	1,761	326	0.0
Chich Peas	0	0	0	0	0	0	0.0
Bambaranuts	0	0	0	0	0	0	0.0
Field Peas	0	0	0	0	0	0	0.0
PULSES		**0**		**825**		**825**	**0.0**
Sunflower	0	0	0	0	0	0	0.0
Simsim	0	0	0	0	0	0	0.0
Groundnuts	0	0	1,640	434	1,640	434	0.0
Soya Beans	0	0	0	0	0	0	0.0
Castor Seed	0	0	0	0	0	0	0.0
OIL SEEDS & OIL NUTS		**0**		**1,260**		**1,260**	**0.0**
Okra	0	0	1,444	252	1,444	252	0.0
Radish	0	0	188	47	188	47	0.0
Turmeric	0	0	413	131	413	131	0.0
Bitter Aubergine	0	0	411	62	411	62	0.0
Onions	0	0	0	0	0	0	0.0
Ginger	0	0	0	0	0	0	0.0
Zukkin	0	0	30	12	30	12	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	0	0	16	2	16	2	0.0
Tomatoes	0	0	3,877	609	3,877	609	0.0
Spinnach	0	0	29	1	29	1	0.0
Carrot	0	0	0	0	0	0	0.0
Chillies	0	0	455	50	455	50	0.0
Amaranths	0	0	814	94	814	94	0.0
Pumpkins	0	0	1,505	245	1,505	245	0.0
Cucumber	0	0	479	95	479	95	0.0
Egg Plant	0	0	2,301	340	2,301	340	0.0
Water Mellon	25	5	92	15	117	20	25.9
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29	29	71	0
FRUITS & VEGETABLES		**5**		**1,983**		**2,031**	**0.3**
Seaweed	0	0	1,308	287	*1,308*	*287*	0.0
CASH CROPS		**0**		**287**	**1,308**	**287**	**0.0**
Total		**1,287**		**37,220**		**38,550**	**3.3**

5.80 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Herbicide use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON (MASIKA) - National

Crops	Herbicide use						% of Planted area using Herbicide
	Number of Households using Herbicide	Planted Area Herbicide Used	Number of Households NOT using Herbicide	Planted Area Herbicide not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	22,600	52,866	3,442,449	3,149,264	3,465,049	3,202,130	1.7
Paddy	4,706	58,285	865,312	644,523	870,017	702,808	8.3
Sorghum	2,255	4,014	668,048	495,164	670,303	499,178	0.8
Bulrush Millet	200	68	184,536	151,420	184,735	151,488	0.0
Finger Millet	328	253	130,951	59,939	131,279	60,192	0.4
Wheat	2,300	6,909	66,685	35,048	68,985	41,957	16.5
Barley	89	108	178	72	267	180	60.0
CEREALS		**122,504**		**4,535,430**		**4,657,934**	**2.6**
Cassava	142	12	15,131	7,538	15,273	7,550	0.2
Sweet Potatoes	755	13	484,013	151,543	484,155	151,556	0.0
Irish Potatoes	25,579	649	72,557	28,298	73,312	28,947	2.2
Yams	100	0	15,063	2,569	40,643	2,569	0.0
Cocoyam	346	0	31,355	3,952	31,455	3,952	0.0
ROOTS & TUBERS		**674**		**193,899**		**194,574**	**0.3**
Mung Beans	701	0	11,230	5,519	38,153	5,519	0.0
Beans	12,690	4,496	1,215,809	494,854	1,216,510	499,350	0.9
Cowpeas	937	247	216,995	60,323	229,685	60,570	0.4
Green Gram	241	125	74,977	26,387	75,915	26,512	0.5
Chich Peas	683	224	45,176	62,322	45,417	62,546	0.4
Bambaranuts	112	0	140,042	38,100	140,724	38,100	0.0
Field Peas	2,637	0	46,028	13,793	46,140	13,793	0.0
PULSES		**5,092**		**701,297**		**706,389**	**0.7**
Sunflower	945	675	481,568	339,890	499,569	340,565	0.2
Simsim	920	271	216,127	132,614	217,072	132,885	0.2
Groundnuts	2,677	601	869,559	424,436	870,479	425,036	0.1
Soya Beans	282	12	15,714	7,083	18,390	7,095	0.2
Castor Seed	0	0	614	326	897	326	0.0
OIL SEEDS & OIL NUTS		**1,559**		**904,348**		**905,907**	**1**
Okra	1,741	66	15,861	6,897	20,685	6,964	1.0
Radish	30	25	1,823	1,024	3,564	1,049	2.4
Turmeric	0	0	1,828	1,085	1,859	1,085	0.0
Bitter Aubergine	2,734	21	15,111	2,094	15,111	2,115	1.0
Onions	6,170	429	23,911	6,088	26,645	6,517	6.6
Ginger	284	0	1,884	602	8,054	602	0.0
Zukkin	0	0	30	12	314	12	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	1,175	171	22,991	3,198	22,991	3,369	5.1
Tomatoes	43,969	1,283	80,335	16,554	81,510	17,837	7.2
Spinnach	1,489	150	19,853	2,519	63,822	2,669	5.6
Carrot	433	149	2,182	328	3,671	477	31.3
Chillies	3,109	65	8,969	1,657	9,402	1,722	3.8
Amaranths	646	58	17,558	2,178	20,667	2,236	2.6
Pumpkins	574	50	10,828	1,159	11,474	1,209	4.1
Cucumber	1,327	198	4,215	764	4,789	961	20.6
Egg Plant	858	19	4,260	563	5,588	582	3.2
Water Mellon	959	45	3,130	1,229	3,988	1,274	3.5
Cauliflower	0	0	0	0	959	0	0.0
Malay	0	0	71	29	0	29	0.0
FRUITS & VEGETABLES		**2,729**		**47,981**		**50,710**	**5.4**
Cotton	3,961	1,246	278,659	449,824	344,159	451,070	0.3
Tobacco	7,502	5,390	62,439	55,370	66,400	60,760	8.9
Pyrethrum	66	0	7,548	2,983	15,051	2,983	0.0
Jute	0	0	45	18	111	18	0.0
Seaweed	0	0	1,803	470	13,332	470	0.0
CASH CROPS		**6,636**		**508,665**		**515,301**	**1.3**
Total		**139,194**		**6,891,621**		**7,030,815**	**2.0**

5.81 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Irrigation Use and Crop for the 2007/08agriculture year - LONG SEASON - Mainland

Regions	Irrigation use						% of Planted area using Irrigation
	Number of Households using Irrigation	Planted Area Irrigation Used	Number of Households NOT using Irrigation	Planted Area Irrigation not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	127,934	79,628	3,383,199	3,119,742	3,511,133	3,199,370	2.5
Paddy	66,151	47,284	792,707	632,049	858,858	679,333	7.0
Sorghum	8,523	5,550	655,075	492,120	663,598	497,670	1.1
Bulrush Millet	4,466	3,358	179,987	147,915	184,453	151,273	2.2
Finger Millet	4,099	1,030	128,041	59,144	132,141	60,174	1.7
Wheat	505	469	70,531	41,466	71,036	41,935	1.1
Barley	0	0	356	180	356.4723924	180.401008	0
Cereals		**137,319**	**5,209,896**	**4,492,617**	**5,421,574**	**4,629,936**	**3.0**
Cassava	453	55	14,516	7,327	14,968	7,382	0.7
Sweet Potatoes	4,132	1,024	464,099	145,708	468,231	146,732	0.7
Irish Potatoes	6,816	2,091	68,249	26,820	75,065	28,911	7.2
Yams	116	6	11,415	1,889	11530.83589	1894.49512	0.3
Cocoyam	893	173	27,742	3,334	28,634	3,507	4.9
ROOTS & TUBERS		**3,176**	**558,279**	**181,743**	**569,796**	**184,919**	**1.7**
Mung Beans	480	177	10,750	5,342	11,230	5,519	3.2
Beans	43,876	12,947	1,194,741	486,346	1,238,616	499,293	2.6
Cowpeas	2,692	457	212,948	59,670	215,640	60,127	0.8
Green Gram	872	140	72,816	26,046	73,689	26,187	0.5
Chich Peas	163	330	45,156	62,216	45,319	62,546	0.5
Bambaranuts	890	214	139,152	37,886	140,042	38,100	0.6
Field Peas	1,634	222	44,760	13,571	46393.32588	13792.6629	1.6
PULSES		**14,486**	**1,720,322**	**691,078**	**1,770,928**	**705,564**	**2.1**
Sunflower	3,589	2,007	480,245	338,558	483,834	340,565	0.6
Simsim	1,872	1,236	215,187	131,649	217,059	132,885	0.9
Groundnuts	7,691	2,474	862,245	422,128	869,935	424,602	0.6
Soya Beans	119	12	15,714	7,083	15,833	7,095	0.2
Castor Seed	0	0	614	326	614.3034333	325.949186	0.0
OIL SEEDS & OIL NUTS		**5,729**	**1,574,005**	**899,744**	**1,587,275**	**905,473**	**0.6**
Okra	3,834	851	11,290	5,861	15,124	6,711	12.7
Radish	72	7	1,668	995	1,741	1,002	0.7
Turmeric	0	0	1,415	954	1,415	954	0.0
Bitter Aubergine	7,041	1,034	8,301	1,019	15,342	2,053	50.4
Onions	13,598	3,093	12,654	3,424	26,252	6,517	47.5
Ginger	584	240	1,300	362	1,884	602	39.8
Zukkin	0	0	0	0	0	0	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	12,642	1,740	12,272	1,628	24,914	3,368	51.7
Tomatoes	50,241	9,709	33,995	7,519	84,237	17,228	56.4
Spinnach	12,475	1,540	9,640	1,127	22,115	2,667	57.7
Carrot	1,551	293	1,174	184	2,725	477	61.4
Chillies	5,613	994	3,426	678	9,038	1,672	59.4
Amaranths	8,267	1,131	9,709	1,012	17,976	2,143	52.8
Pumpkins	2,361	289	7,474	675	9,835	964	30.0
Cucumber	2,065	486	2,038	381	4,103	866	56.1
Egg Plant	1,259	102	1,001	140	2260	242	42.1
Water Mellon	1,965	661	1,157	593	3,123	1,254	52.7
FRUITS & VEGETABLES		**22,169**		**26,553**		**48,721**	**45.5**
Cotton	5,477	7,816	275,661	443,254	281,138	451,070	1.7
Tobacco	7,133	3,656	63,306	57,104	70439	60760	6.0
Pyrethrum	238	176	7,310	2,807	7548	2983	5.9
Jute	0	0	45	18	45	18.27	0.0
Seaweed	0	0	495	183	13,342	183	0.0
CASH CROPS		**11,648**	**346,818**	**503,366**	**372,512**	**515,014**	**2.3**
Total		**194,526**	**9,527,834**	**6,795,100**	**9,964,170**	**6,989,626**	**2.8**

5.82 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Irrigation Use and Crop for the 2007/08agriculture year - LONG SEASON - Zanzibar

Crops	Irrigation use						% of Planted area using Irrigation
	Number of Households using Irrigation	Planted Area Irrigation Used	Number of Households NOT using Irrigation	Planted Area Irrigation not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	400	104	12,011	2,657	12,410	2,760	3.8
Paddy	2,498	697	60,905	22,778	63,403	23,475	3.0
Sorghum	32	10	6,743	1,498	6,775	1,508	0.7
Bulrush Millet	0	0	937	215	937	215	0.0
Finger Millet	0	0	29	18	29	18	0.0
Wheat	0	0	57	22	57	22	0.0
Barley	0	0	0	0	0	0	0.0
Cereals		**810**	**80,682**	**27,188**	**83,611**	**27,998**	**2.9**
Cassava	0	0	534	168	534	168	0.0
Sweet Potatoes	172	95	16,781	4,729	16,953	4,824	2.0
Irish Potatoes	0	0	183	36	183	36	0.0
Yams	118	33	3,415	641	3,533	674	4.9
Cocoyam	31	11	2,690	434	2,721	445	2.6
ROOTS & TUBERS		**140**	**23,602**	**6,009**	**23,923**	**6,148**	**2.3**
Mung Beans	0	0	0	0	0	0	0.0
Beans	0	0	282	57	282	57	0.0
Cowpeas	0	0	2,646	443	2,646	443	0.0
Green Gram	0	0	1,761	326	1,761	326	0.0
Chich Peas	0	0	0	0	0	0	0.0
Bambaranuts	0	0	0	0	0	0	0.0
Field Peas	0	0	0	0	0	0	0.0
PULSES		**0**	**4,689**	**825**	**4,689**	**825**	**0.0**
Sunflower	0	0	0	0	0	0	0.0
Simsim	0	0	0	0	0	0	0.0
Groundnuts	0	0	1,640	434	1,640	434	0.0
Soya Beans	0	0	0	0	0	0	0.0
Castor Seed	0	0	0	0	0	0	0.0
OIL SEEDS & OIL NUTS		**0**	**1,640**	**434**	**1,640**	**434**	**0.0**
Okra	327	33	1,116	219	1,444	252	13.2
Radish	32	5	156	42	188	47	10.9
Turmeric	31	6	382	125	413	131	4.8
Bitter Aubergine	179	17	232	44	411	62	28.1
Onions	0	0	0	0	0	0	0.0
Ginger	0	0	0	0	0	0	0.0
Zukkin	30	12	0	0	30	12	100.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	16	2	0	0	16	2	100.0
Tomatoes	649	93	3,259	516	3,908	609	15.2
Spinnach	29	1	0	0	29	1	100.0
Carrot	0	0	0	0	0	0	0.0
Chillies	150	15	336	35	487	50	30.9
Amaranths	391	38	423	56	814	94	40.0
Pumpkins	16	2	1,489	244	1,505	245	0.7
Cucumber	216	51	263	44	479	95	54.2
Egg Plant	686	82	1,646	258	2,332	340	24.1
Water Mellon	25	5	92	15	117	20	25.9
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29	29	71	0
FRUITS & VEGETABLES		**363**	**9,467**	**1,625**	**12,204**	**2,031**	**17.9**
Seaweed	32	3	1,277	284	*1,309*	*287*	1.1
CASH CROPS	**32**	**3**		**284**	***1,309***	***287***	**1.1**
Total	**6,030**	**1,316**	**120,079**	**36,081**	**126,067**	**37,437**	**3.5**

5.83 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Irrigation Use and Crop for the 2007/08agriculture year - LONG SEASON - National

Crops	Irrigation use						% of Planted area using Irrigation
	Number of Households using Irrigation	Planted Area Irrigation Used	Number of Households NOT using Irrigation	Planted Area Irrigation not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	128,333	79,732	3,395,210	3,122,398	3,523,543	3,202,130	2.5
national	68,649	47,980	853,612	654,828	922,261	702,808	6.8
Sorghum	8,555	5,560	661,818	493,618	670,373	499,178	1.1
Bulrush Millet	4,466	3,358	180,923	148,130	185,389	151,488	2.2
Finger Millet	4,099	1,030	128,070	59,162	132,170	60,192	1.7
Wheat	505	469	70,588	41,488	71,093	41,957	1.1
Barley	0	0	356	180	356	180	0.0
CEREALS		**138,129**	**5,290,578**	**4,519,805**	**5,505,185**	**4,657,934**	**3.0**
Cassava	453	55	15,049	7,495	15,502	7,550	0.7
Sweet Potatoes	4,304	1,119	480,880	150,437	485,184	151,556	0.7
Irish Potatoes	6,816	2,091	68,432	26,856	75,248	28,947	7.2
Yams	234	39	14,830	2,530	15,063	2,569	1.5
Cocoyam	924	184	30,431	3,768	31,355	3,952	4.7
ROOTS & TUBERS		**3,488**	**609,622**	**191,086**	**622,353**	**194,574**	**1.8**
Mung Beans	480	177	10,750	5,342	11,230	5,519	3.2
Beans	43,876	12,947	1,195,023	486,403	1,238,899	499,350	2.6
Cowpeas	2,692	457	215,594	60,113	218,285	60,570	0.8
Green Gram	872	140	74,578	26,372	75,450	26,512	0.5
Chich Peas	163	330	45,156	62,216	45,319	62,546	0.5
Bambaranuts	890	214	139,152	37,886	140,042	38,100	0.6
Field Peas	1,634	222	44,760	13,571	46,393	13,793	1.6
PULSES		**14,486**	**1,725,011**	**691,903**	**1,775,618**	**706,389**	**2.1**
Sunflower	3,589	2,007	480,245	338,558	483,834	340,565	0.6
Simsim	1,872	1,236	215,187	131,649	217,059	132,885	0.9
Groundnuts	7,691	2,474	863,884	422,562	871,575	425,036	0.6
Soya Beans	119	12	15,714	7,083	15,833	7,095	0.2
Castor Seed	0	0	614	326	614	326	0.0
OIL SEEDS & OIL NUTS		**5,729**		**900,178**	***1,588,915***	**905,907**	**0.6**
Okra	4,161	884	12,406	6,080	16,568	6,964	12.7
Radish	104	12	1,825	1,037	1,928	1,049	1.2
Turmeric	31	6	1,797	1,079	1,828	1,085	0.6
Bitter Aubergine	7,221	1,051	8,532	1,063	15,753	2,115	49.7
Onions	13,598	3,093	12,654	3,424	26,252	6,517	47.5
Ginger	584	240	1,300	362	1,884	602	39.8
Zukkin	30	12	0	0	30	12	100.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	12,658	1,742	12,272	1,628	24,930	3,369	51.7
Tomatoes	50,890	9,801	37,254	8,036	88,145	17,837	54.9
Spinnach	12,505	1,542	9,640	1,127	22,145	2,669	57.8
Carrot	1,551	293	1,174	184	2,725	477	61.4
Chillies	5,763	1,009	3,762	713	9,525	1,722	58.6
Amaranths	8,658	1,169	10,133	1,068	18,791	2,236	52.3
Pumpkins	2,377	291	8,963	918	11,340	1,209	24.0
Cucumber	2,281	537	2,301	424	4,583	961	55.9
Egg Plant	1,945	184	2,647	398	4,592	582	31.6
Water Mellon	1,991	666	1,249	607	3,240	1,274	52.3
Cauliflower		0	0	0	0	0	0.0
Malay	0	0	71	29		29	0.0
FRUITS & VEGETABLES		**22,532**	**127,981**	**28,178**	**254,260**	**50,710**	**44.4**
Cotton	5,477	7,816	275,661	443,254	281,138	451,070	1.7
Tobacco	7,133	3,656	63,306	57,104	70,439	60,760	6.0
Pyrethrum	238	176	7,310	2,807	7,548	2,983	5.9
Jute	0	0	45	18	45	18	0.0
Seaweed	32	3	1,771	467	***1,803***	***470***	0.7
CASH CROPS		**11,651**	**348,095**	**503,650**	**360,973**	**515,301**	**2.3**
Total		**196,015**	**9,676,932**	**6,834,800**	**10,107,304**	**7,030,815**	**2.8**

5.84 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Improved seed Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON

Crops	Improved seed use						% of Planted area using Improved seed
	Number of Households using Improved seed	Planted Area Improved seed Used	Number of Households NOT using Improved seed	Planted Area without Improved seed	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	614,434	518,191	2,939,510	2,681,179	3,553,944	3,199,370	16.2
Paddy	41,187	35,025	814,145	644,309	855,332	679,333	5.2
Sorghum	45,731	35,194	621,019	462,477	666,750	497,670	7.1
Bulrush Millet	4,723	4,754	179,223	146,519	183,947	151,273	3.1
Finger Millet	2,524	993	128,879	59,181	131,403	60,174	1.6
Wheat	6,826	4,165	64,183	37,771	71,008	41,935	9.9
Barley	178	108	178	72	356	180	60.0
Cereals		**598,428**		**4,031,507**		**4,629,936**	**12.9**
Seaweed	0	0	495	183	495	183	0.0
Cassava	814	348	13,801	7,034	14,615	7,382	4.7
Sweet Potatoes	10,669	2,570	457,707	144,162	468,375	146,732	1.8
Irish Potatoes	16,801	7,525	57,401	21,386	74,202	28,911	26.0
Yams	308	17	11,315	1,877	11,623	1,894	0.9
Cocoyam	486	89	28,178	3,418	28,664	3,507	2.5
ROOTS & TUBERS		**10,549**		**178,060**		**188,608**	**5.6**
Mung Beans	406	719	10,824	4,800	11,230	5,519	13.0
Beans	60,804	23,391	1,165,326	475,902	1,226,130	499,293	4.7
Cowpeas	8,156	2,247	207,776	57,881	215,932	60,127	3.7
Green Gram	914	392	72,650	25,795	73,564	26,187	1.5
Chich Peas	1,677	1,224	43,642	61,321	45,319	62,546	2.0
Bambaranuts	4,572	1,508	135,812	36,592	140,384	38,100	4.0
Field Peas	2,417	1,093	43,640	12,700	46,058	13,793	7.9
PULSES		**30,574**		**674,990**		**705,564**	**4.3**
Sunflower	68,335	48,561	418,472	292,004	486,806	340,565	14.3
Simsim	31,998	24,782	186,532	108,104	218,530	132,885	18.6
Groundnuts	48,415	24,780	823,723	399,822	872,138	424,602	5.8
Soya Beans	554	106	15,279	6,989	15,833	7,095	1.5
Castor Seed	81	33	533	293	614	326	10.1
OIL SEEDS & OIL NUTS		**98,261**		**807,212**		**905,473**	**10.9**
Okra	5,648	1,528	9,395	5,184	15,043	6,711	22.8
Radish	215	144	1,626	858	1,840	1,002	14.4
Turmeric	0	0	1,415	954	1,415	954	0.0
Bitter Aubergine	3,129	441	12,411	1,612	15,540	2,053	21.5
Onions	12,450	2,648	13,467	3,869	25,917	6,517	40.6
Ginger	371	93	1,513	509	1,884	602	15.4
Zukkin	0	0	0	0	0	0	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	17,225	2,643	8,034	725	25,259	3,368	78.5
Tomatoes	54,336	11,573	32,822	5,655	87,159	17,228	67.2
Spinnach	13,913	1,703	7,542	965	21,454	2,667	63.8
Carrot	2,174	351	892	127	3,067	477	73.5
Chillies	6,008	1,174	3,250	498	9,259	1,672	70.2
Amaranths	6,357	677	11,277	1,466	17,634	2,143	31.6
Pumpkins	688	158	8,902	806	9,590	964	16.4
Cucumber	2,299	575	1,825	292	4,123	866	66.3
Egg Plant	1,109	122	1,265	120	2,374	242	50.4
Water Mellon	2,383	1,095	922	158	3,305	1,254	87.4
FRUITS & VEGETABLES		**24,925**		**23,797**		**48,721**	**51.2**
Cotton	230,742	360,024	54,277	91,045	285,019	451,070	79.8
Tobacco	53,955	49,139	15,444	11,621	69,399	60,760	80.9
Pyrethrum	2,881	1,552	4,915	1,432	7795.914237	2983.02	52.0
Jute	45	18	0	0	45	18	100.0
Seaweed	0	0	495	183	495	183	0.0
CASH CROPS		**410,733**		**104,281**		**515,014**	**79.8**
Total		**1,173,470**		**5,819,846**		**6,993,316**	**16.8**

5.85 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Improved seed Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON - Zanzibar

Crops	Improved seed use						% of Planted area using Improved seed
	Number of Households using Improved seed	Planted Area Improved seed Used	Number of Households NOT using Improved seed	Planted Area without Improved seed	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	0	0	12,410	2,760	12,410	2,760	0.0
Paddy	2,819	1,282	60,593	22,193	63,411	23,475	5.5
Sorghum	0	0	6,775	1,508	6,775	1,508	0.0
Bulrush Millet	0	0	937	215	937	215	0.0
Finger Millet	0	0	29	18	29	18	0.0
Wheat	0	0	57	22	57	22	0.0
Barley	0	0	0	0	0	0	0.0
Cereals		**1,282**		**26,716**		**27,998**	**4.6**
Cassava	0	0	534	168	534	168	0.0
Sweet Potatoes	0	0	16,924	4,824	16,924	4,824	0.0
Irish Potatoes	0	0	183	36	183	36	0.0
Yams	0	0	3,533	674	3,533	674	0.0
Cocoyam	0	0	2,721	445	2,721	445	0.0
ROOTS & TUBERS		**0**		**6,148**		**6,148**	**0.0**
Mung Beans	0	0	0	0	0	0	0.0
Beans	0	0	282	57	282	57	0.0
Cowpeas	0	0	2,646	443	2,646	443	0.0
Green Gram	0	0	1,761	326	1,761	326	0.0
Chich Peas	0	0	0	0	0	0	0.0
Bambaranuts	0	0	0	0	0	0	0.0
Field Peas					0	0	0.0
PULSES		**0**		**825**		**825**	**0.0**
Sunflower	0	0	0	0	0	0	0.0
Simsim	0	0	0	0	0	0	0.0
Groundnuts	0	0	1,640	434	1,640	434	0.0
Soya Beans	0	0	0	0	0		0.0
Castor Seed	0	0	0	0	0	0	0.0
OIL SEEDS & OIL NUTS		**0**		**434**		**434**	**0.0**
Okra	0	0	1,444	252	1,444	252	0.0
Radish	0	0	188	47	188	47	0.0
Turmeric	0	0	413	131	413	131	0.0
Bitter Aubergine	0	0	411	62	411	62	0.0
Kothmir	0	0	0	0			0.0
Onions	0	0	0	0	0	0	0.0
Ginger	0	0	0	0	0	0	0.0
Zukkin	0	0	30	12	30	12	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	0	0	16	2	16	2	0.0
Tomatoes	0	0	3,877	609	3,877	609	0.0
Spinnach	0	0	29	1	29	1	0.0
Carrot	0	0	0	0	0	0	0.0
Chillies	0	0	455	50	455	50	0.0
Amaranths	0	0	814	94	814	94	0.0
Pumpkins	0	0	1,505	245	1,505	245	0.0
Cucumber	0	0	479	95	479	95	0.0
Egg Plant	0	0	2,301	340	2,301	340	0.0
Water Mellon	25	5	92	15	117	20	25.9
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29	29	71	0
FRUITS & VEGETABLES		**5**		**1,983**		**2,031**	**0.3**
Seaweed	0	0	1,308	287	*1,308*	*287*	0.0
CASH CROPS		**0**		**287**		**287**	**0.0**
Total		**1,287**		**36,394**		**37,724**	**3.4**

5.86 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Improved seed Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON -National

Crops	Improved seed use						% of Planted area using Improved seed
	Number of Households using Improved seed	Planted Area Improved seed Used	Number of Households NOT using Improved seed	Planted Area without Improved seed	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	616,274	518,528	2,950,302	2,683,602	3,566,577	3,202,130	16.2
Paddy	43,900	36,056	874,621	666,752	918,521	702,808	5.1
Sorghum	45,844	35,221	627,706	463,957	673,550	499,178	7.1
Bulrush Millet	4,755	4,757	180,129	146,731	184,883	151,488	3.1
Finger Millet	2,524	993	128,908	59,199	131,432	60,192	1.6
Wheat	6,826	4,165	64,240	37,793	71,066	41,957	9.9
Barley	178	108	178	72	356	180	60.0
CEREALS		**599,827**		**4,058,106**		**4,657,934**	**12.9**
Cassava	814	348	14,335	7,202	15,148	7,550	4.6
Sweet Potatoes	10,915	2,605	474,415	148,951	485,330	151,556	1.7
Irish Potatoes	16,832	7,528	57,553	21,419	74,385	28,947	26.0
Yams	365	29	14,822	2,540	15,187	2,569	1.1
Cocoyam	547	93	30,868	3,859	31,415	3,952	2.4
ROOTS & TUBERS		**10,603**		**183,970**		**194,574**	**5.4**
Mung Beans	406	719	10,824	4,800	11,230	5,519	13.0
Beans	60,866	23,397	1,165,546	475,953	1,226,412	499,350	4.7
Cowpeas	8,502	2,297	210,075	58,273	218,578	60,570	3.8
Green Gram	1,072	416	74,254	26,096	75,325	26,512	1.6
Chich Peas	1,677	1,224	43,642	61,321	45,319	62,546	2.0
Bambaranuts	4,572	1,508	135,812	36,592	140,384	38,100	4.0
Field Peas	2,417	1,093	43,640	12,700	46,058	13,793	7.9
PULSES		**30,655**		**675,735**		**706,389**	**4.3**
Sunflower	68,335	48,561	418,472	292,004	486,806	340,565	14.3
Simsim	31,998	24,782	186,532	108,104	218,530	132,885	18.6
Groundnuts	48,477	24,793	825,300	400,243	873,777	425,036	5.8
Soya Beans	554	106	15,279	6,989	15,833	7,095	1.5
Castor Seed	81	33	533	293	614	326	10.1
OIL SEEDS & OIL NUTS		**159,584**		**2,159,102**		**2,318,686**	**6.9**
Okra	5,835	1,552	10,682	5,412	16,518	6,964	22.3
Radish	277	151	1,752	898	2,028	1,049	14.4
Turmeric	51	26	1,777	1,059	1,828	1,085	2.4
Bitter Aubergine	3,191	443	12,760	1,672	15,951	2,115	20.9
Onions	12,450	2,648	13,467	3,869	25,917	6,517	40.6
Ginger	371	93	1,513	509	1,884	602	15.4
Zukkin	0	0	30	12	30	12	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	17,225	2,643	8,050	727	25,275	3,369	78.4
Tomatoes	54,673	11,628	36,487	6,209	91,160	17,837	65.2
Spinnach	13,913	1,703	7,571	966	21,484	2,669	63.8
Carrot	2,174	351	892	127	3,067	477	73.5
Chillies	6,131	1,187	3,583	535	9,714	1,722	68.9
Amaranths	6,523	701	11,925	1,536	18,448	2,236	31.3
Pumpkins	719	164	10,376	1,045	11,095	1,209	13.6
Cucumber	2,386	589	2,217	372	4,603	961	61.3
Egg Plant	1,418	192	3,257	389	4,675	582	33.1
Water Mellon	2,414	1,100	1,009	173	3,423	1,274	86.4
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	71	29		29	0.0
FRUITS & VEGETABLES		**25,170**		**25,539**		**50,710**	**49.6**
Cotton	230,742	360,024	54,277	91,045	285,019	451,070	79.8
Tobacco	53,955	49,139	15,444	11,621	69,399	60,760	80.9
Pyrethrum	2,881	1,552	4,915	1,432	7,796	2,983	52.0
Jute	45	18	0	0	45	18	100.0
Seaweed	817	174	1,081	296	1,897	470	37.0
CASH CROPS		**410,907**		**104,394**		**515,301**	**79.7**
Total		**1,236,747**		**7,206,847**		**8,443,594**	**14.6**

5.87 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Local seed Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON - Mainland

Crops	Local seed use						% of Planted area using Local seed
	Number of Households using Local seed	Planted Area Local seed Used	Number of Households NOT using Local seed	Planted Area Local seed not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	2,864,949	2,577,132	747,209	622,238	3,612,159	3,199,370	80.6
Paddy	812,228	635,484	60,954	43,849	873,182	679,333	93.5
Sorghum	616,596	450,155	77,754	47,515	694,350	497,670	90.5
Bulrush Millet	179,001	143,540	9,540	7,732	188,541	151,273	94.9
Finger Millet	128,739	57,880	5,753	2,294	134,492	60,174	96.2
Wheat	64,022	37,681	7,193	4,254	71,215	41,935	89.9
Barley	178	72	178	108	*356*	*180*	40.0
Cereals		**3,901,945**		**727,991**		**4,629,936**	**84.3**
Seaweed	495	125	262	57	756	183	68.6
Cassava	13,783	6,839	1,737	542	15,520	7,382	92.7
Sweet Potatoes	456,420	141,142	26,695	5,589	483,115	146,732	96.2
Irish Potatoes	56,803	21,181	17,656	7,730	74,458	28,911	73.3
Yams	11,223	1,595	2,227	300	*13,449*	*1,894*	84.2
Cocoyam	28,148	3,302	3,040	205	31,188	3,507	94.1
ROOTS & TUBERS		**174,184**		**14,424**		**188,608**	**92.4**
Mung Beans	10,824	4,570	1,867	949	12,692	5,519	82.8
Beans	1,161,417	465,309	111,206	33,984	1,272,623	499,293	93.2
Cowpeas	206,804	54,794	25,129	5,333	231,933	60,127	91.1
Green Gram	72,504	25,225	5,189	962	77,693	26,187	96.3
Chich Peas	43,642	61,215	2,112	1,331	45,754	62,546	97.9
Bambaranuts	135,470	35,829	9,834	2,271	145,304	38,100	94.0
Field Peas	43,611	12,524	3,972	1,268	*47,583*	*13,793*	90.8
PULSES		**659,467**		**46,097**		**705,564**	**93.5**
Sunflower	414,166	284,959	84,885	55,606	499,051	340,565	83.7
Simsim	184,541	105,952	39,882	26,933	224,423	132,885	79.7
Groundnuts	820,030	390,489	79,591	34,113	899,621	424,602	92.0
Soya Beans	15,279	6,927	642	168	15,921	7,095	97.6
Castor Seed	533	293	81	33	*614*	*326*	89.9
OIL SEEDS & OIL NUTS		**788,620**		**116,852**		**905,473**	**87.1**
Okra	9,004	5,052	6,499	1,660	15,503	6,711	75.3
Radish	1,483	806	310	196	1,793	1,002	80.4
Turmeric	1,415	954	0	0	1,415	954	100.0
Bitter Aubergine	11,743	1,527	4,326	526	16,068	2,053	74.4
Onions	12,822	3,706	13,140	2,811	25,963	6,517	56.9
Ginger	1,513	509	371	93	1,884	602	84.6
Zukkin	0	0	0	0	0	0	0.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	7,085	633	17,428	2,734	24,513	3,368	18.8
Tomatoes	27,502	4,579	59,216	12,649	86,718	17,228	26.6
Spinnach	6,831	797	14,956	1,871	21,787	2,667	29.9
Carrot	436	109	2,212	368	2,648	477	22.8
Chillies	3,030	382	7,902	1,290	10,932	1,672	22.9
Amaranths	10,593	1,270	9,420	872	20,012	2,143	59.3
Pumpkins	8,863	708	2,486	256	11,349	964	73.5
Cucumber	1,681	235	2,945	631	*4,626*	*866*	27.2
Egg Plant	1,019	86	1,376	156	2,396	242	35.6
Water Mellon	739	135	2,525	1,119	3,264	1,254	10.7
FRUITS & VEGETABLES		**21,489**		**27,232**		**48,721**	**44.1**
Cotton	48,764	85,696	234,713	365,374	283,477	451,070	19.0
Tobacco	13,942	11,195	54,283	49,565	68,225	60,760	18.4
Pyrethrum	4,667	1,366	3,040	1,617	7707	2983	46
Jute	0	0	45	18	45	18	0
Seaweed	495	125	262	57	756	183	68.6
CASH CROPS		**98,382**		**416,631**		**515,014**	**19.1**
Total		**5,644,087**		**1,349,228**		**6,993,316**	**80.7**

5.88 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Local seed Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON - Zanzibar

Crops	Local seed use						% of Planted area using Local seed
	Number of Households using Local seed	Planted Area Local seed Used	Number of Households NOT using Local seed	Planted Area Local seed not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	10,569	2,375	2,215	385	12,785	2,760	86.1
Paddy	60,144	22,188	3,853	1,286	63,997	23,475	94.5
Sorghum	6,662	1,452	283	56	6,944	1,508	96.3
Bulrush Millet	905	212	32	3	937	215	98.5
Finger Millet	29	18	0	0	29	18	100.0
Wheat	57	22	0	0	57	22	100.0
Barley	0	0	0	0	0	0	0.0
Cereals		**26,267**		**1,731**		**27,998**	**93.8**
Cassava	534	168	0	0	534	168	100.0
Sweet Potatoes	16,678	4,704	791	120	17,468	4,824	97.5
Irish Potatoes	152	33	31	3	183	36	91.3
Yams	3,476	641	324	33	3,799	674	95.1
Cocoyam	2,660	441	61	5	2,721	445	99.0
ROOTS & TUBERS		**5,987**		**161**		**6,148**	**97.4**
Mung Beans	0	0	0	0	0	0	0.0
Beans	221	51	62	6	282	57	89.1
Cowpeas	2,299	387	378	56	2,677	443	87.4
Green Gram	1,604	301	158	24	1,761	326	92.6
Chich Peas	0	0	0	0	0	0	0.0
Bambaranuts	0	0	0	0	0	0	0.0
Field Peas	0	0	0	0	0	0	0.0
PULSES		**739**		**86**		**825**	**89.5**
Sunflower	0	0	0	0	0	0	0.0
Simsim	0	0	0	0	0	0	0.0
Groundnuts	1,577	417	124	17	1,702	434	96.0
Soya Beans	0	0	0	0	0	0	0.0
Castor Seed	0	0	0	0	0	0	0.0
OIL SEEDS & OIL NUTS		**417**		**17**		**434**	**96.0**
Okra	1,256	226	187	27	1,444	252	89.5
Radish	126	40	62	7	188	47	85.9
Turmeric	362	104	83	27	445	131	79.6
Bitter Aubergine	349	59	124	3	473	62	95.3
Onions	0	0	0	0	0	0	0.0
Ginger	0	0	0	0	0	0	0.0
Zukkin	30	12	0	0	30	12	100.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	16	2	0	0	16	2	100.0
Tomatoes	3,540	539	519	70	4,059	609	88.5
Spinnach	29	1	0	0	29	1	100.0
Carrot	0	0	0	0	0	0	0.0
Chillies	333	34	154	16	487	50	67.7
Amaranths	648	69	198	25	846	94	73.7
Pumpkins	1,474	236	62	9	1,536	245	96.4
Cucumber	392	80	87	15	479	95	84.6
Egg Plant	1,992	262	458	77	2,450	340	77.2
Water Mellon	87	15	30	5	117	20	75.2
Cauliflower	0	0	0	0	0	0	0.0
Malay	0	0	0	0	29	71	0
FRUITS & VEGETABLES		**1,680**		**280**		**2,031**	**82.7**
Seaweed	491	107	848	180	*1,339*	*287*	37.4
CASH CROPS		**107**		**180**		**287**	**37.4**
Total		**35,197**		**2,455**		**37,724**	**93.3**

5.89 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Crop Growing Households by Local seed Use and Crop for the 2007/08 agriculture year - LONG RAINY SEASON - National

Crops	Local seed use						% of Planted area using Local seed
	Number of Households using Local seed	Planted Area Local seed Used	Number of Households NOT using Local seed	Planted Area Local seed not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Maize	2,875,519	2,579,507	749,425	622,623	3,624,943	3,202,130	80.6
Paddy	872,373	657,672	64,807	45,136	937,179	702,808	93.6
Sorghum	623,257	451,607	78,037	47,571	701,294	499,178	90.5
Bulrush Millet	179,907	143,753	9,571	7,735	189,478	151,488	94.9
Finger Millet	128,768	57,897	5,753	2,294	134,521	60,192	96.2
Wheat	64,079	37,703	7,193	4,254	71,272	41,957	89.9
Barley	178	72	178	108	356	180	40.0
CEREALS		**3,928,212**		**729,722**		**4,657,934**	**84.3**
Cassava	14,317	7,008	1,737	542	16,054	7,550	92.8
Sweet Potatoes	473,097	145,846	27,486	5,710	500,583	151,556	96.2
Irish Potatoes	56,955	21,214	17,687	7,733	74,641	28,947	73.3
Yams	14,698	2,236	2,551	333	17,249	2,569	87.0
Cocoyam	30,808	3,742	3,101	210	33,909	3,952	94.7
ROOTS & TUBERS		**180,046**		**14,527**		**194,574**	**92.5**
Mung Beans	10,824	4,570	1,867	949	12,692	5,519	82.8
Beans	1,161,637	465,360	111,268	33,990	1,272,906	499,350	93.2
Cowpeas	209,104	55,181	25,506	5,389	234,610	60,570	91.1
Green Gram	74,108	25,526	5,347	986	79,454	26,512	96.3
Chich Peas	43,642	61,215	2,112	1,331	45,754	62,546	97.9
Bambaranuts	135,470	35,829	9,834	2,271	145,304	38,100	94.0
Field Peas	43,611	12,524	3,972	1,268	47,583	13,793	90.8
PULSES		**660,206**		**46,184**		**706,389**	**93.5**
Sunflower	414,166	284,959	84,885	55,606	499,051	340,565	83.7
Simsim	184,541	105,952	39,882	26,933	224,423	132,885	79.7
Groundnuts	821,607	390,906	79,716	34,130	901,323	425,036	92.0
Soya Beans	15,279	6,927	642	168	15,921	7,095	97.6
Castor Seed	533	293	81	33	614	326	89.9
OIL SEEDS & OIL NUTS		**789,037**		**116,870**		**905,907**	**87.1**
Okra	10,260	5,277	6,686	1,686	16,947	6,964	75.8
Radish	1,609	846	372	203	1,981	1,049	80.7
Turmeric	1,777	1,058	83	27	1,860	1,085	97.5
Bitter Aubergine	12,092	1,585	4,449	529	16,541	2,115	75.0
Onions	12,822	3,706	13,140	2,811	25,963	6,517	56.9
Ginger	1,513	509	371	93	1,884	602	84.6
Zukkin	30	12	0	0	30	12	100.0
Star Fruit	0	0	0	0	0	0	0.0
Cabbage	7,101	635	17,428	2,734	24,529	3,369	18.8
Tomatoes	31,042	5,118	59,735	12,719	90,777	17,837	28.7
Spinnach	6,860	798	14,956	1,871	21,816	2,669	29.9
Carrot	436	109	2,212	368	2,648	477	22.8
Chillies	3,363	416	8,056	1,306	11,419	1,722	24.2
Amaranths	11,241	1,339	9,617	897	20,858	2,236	59.9
Pumpkins	10,336	945	2,548	264	12,884	1,209	78.1
Cucumber	2,073	316	3,032	646	5,105	961	32.8
Egg Plant	3,011	348	1,835	233	4,846	582	59.9
Water Mellon	826	150	2,555	1,124	3,381	1,274	11.8
Cauliflower	0	0	0	0	0	0	0.0
Malay	71	29	0	0	0	29	100.0
FRUITS & VEGETABLES		**23,198**		**27,512**		**50,710**	**45.7**
Cotton	48,764	85,696	234,713	365,374	283,477	451,070	19.0
Tobacco	13,942	11,195	54,283	49,565	68,225	60,760	18.4
Pyrethrum	4,667	1,366	3,040	1,617	7,707	2,983	45.8
Jute	0	0	45	18	45	18	0.0
Seaweed	986	233	1,110	237	*2,096*	*470*	49.5
CASH CROPS		**98,490**		**416,812**		**515,301**	**19.1**
Total		**5,679,188**		**1,351,626**		**7,030,815**	**80.8**

5.90 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertilizer Use by Crop - LONG RAINY SEASON - Mainland

Crop	Fertilizer Use										Total			
	Organic Fertilizers				Inorganic Fertilizer				No Fertilizer Applied					
	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household
Maize	236,034	1,215,734,412	11,376,637,314	317,932	350,133	354,031,970	41,035,714,280	475,176	5,812,573	6,717,653	586,167	1,569,766,383	52,412,351,594	793,108
Paddy	7,147	41,234,779	430,506,659	13,518	46,373	10,554,868	3,638,796,665	58,750	1,305,146	1,695,056	53,520	51,789,647	4,069,303,323	72,267
Sorghum	22,781	98,550,108	779,012,227	37,728	380	87,587	34,235,620	796	972,181	1,295,845	23,160	98,637,695	813,247,847	38,523
Bulrush Millet	20,922	121,913,082	984,971,586	28,681	90	13,898	7,182,329	167	281,534	345,907	21,012	121,926,980	992,153,916	28,848
Finger Millet	1,864	5,180,581	83,217,646	5,106	1,246	74,911	73,076,000	2,640	117,237	258,198	3,111	5,255,492	156,293,646	7,746
Wheat	738	1,883,791	33,618,095	1,228	2,063	285,938	168,319,188	3,750	81,070	140,914	2,801	2,169,730	201,937,282	4,978
Barley	0	0	0	0	0	0	0	0	361	713	0	0	0	0
Cereals	**289,485**	**1,484,496,754**	**13,687,963,526**		**400,285**	**365,049,172**	**44,957,324,082**		**8,570,101**	**10,454,286**	**689,770**	**1,849,545,926**	**58,645,287,608**	**945,470**
Cassava	59	108,202	914,728	366	33	32,575	17,590,742	81	14,672	29,091	92	140,777	18,505,470	447
Sweet Potatoes	2,051	68,305,696	126,660,154	7,780	1,209	138,788	122,729,044	3,644	290,203	927,515	3,260	68,444,484	249,389,198	11,424
Irish Potatoes	2,605	7,830,336	343,078,510	7,410	14,118	12,235,455	3,261,089,491	27,917	41,098	140,338	16,723	20,065,791	3,604,168,001	35,327
Yams	103	289,230	38,487,942	802	0	0	0	0	3,686	22,443	103	289,230	38,487,942	802
Cocoyam	76	330,770	18,409,975	1,329	97	11,214	21,238,649	358	6,841	56,110	173	341,984	39,648,624	1,687
ROOTS & TUBERS	**4,894**	**76,864,235**	**527,551,309**		**15,457**	**12,418,031**	**3,422,647,926**		**356,865**	**1,176,487**	**20,351**	**89,282,266**	**3,950,199,234**	**49,687**
Mung Beans	73	311,352	2,940,361	355	134	38,101	20,270,283	369	10,831	22,318	207	349,454	23,210,643	724
Beans	16,772	237,871,386	1,380,156,861	60,046	14,976	20,777,114	1,425,549,862	35,901	966,838	2,395,704	31,747	258,648,500	2,805,706,723	95,947
Cowpeas	1,014	7,806,699	115,802,023	5,933	477	55,556	55,977,999	805	118,763	425,664	1,492	7,862,255	171,780,022	6,738
Green Gram	837	1,668,270	16,219,414	2,819	4	559	670,599	37	51,533	144,501	841	1,668,829	16,890,013	2,856
Chich Peas	1,262	6,780,100	899,841	819	0	0	0	0	123,830	89,953	1,262	6,780,100	899,841	819
Bambaranuts	158	3,025,357	34,279,803	1,146	2	1,226	2,056,347	69	76,039	279,215	160	3,026,583	36,336,149	1,215
Field Peas	280	516,917	54,690,084	1,416	1,779	218,065	239,495,128	4,247	25,527	90,780	2,059	734,982	294,185,212	5,662
PULSES	**20,395**	**257,980,083**	**1,604,988,387**		**17,372**	**21,090,621**	**1,744,020,217**		**1,373,361**	**3,448,135**	**37,767**	**279,070,704**	**3,349,008,603**	**113,961**
Sunflower	13,490	53,898,828	438,010,079	20,589	3,032	1,521,148	242,640,836	4,933	664,608	948,474	16,522	55,419,976	680,650,915	25,522
Simsim	1,396	5,275,007	76,175,769	1,798	61	3,127	1,827,148	319	264,314	431,406	1,457	5,278,135	78,002,917	2,117
Groundnuts	6,021	12,892,607	391,465,566	16,123	1,875	753,761	156,259,730	4,109	841,309	1,725,257	7,895	13,646,368	547,725,295	20,231
Soya Beans	60	53,747	238,878	239	47	7,021	5,433,173	207	14,081	31,427	108	60,768	5,672,051	446
Castor Seed	0	0	0	0	0	0	0	0	652	1,229	0	0	0	0
OIL SEEDS & OIL NUTS	**20,967**	**72,120,189**	**905,890,292**		**5,014**	**2,285,058**	**406,160,887**		**1,784,964**	**3,137,793**	**25,982**	**74,405,247**	**1,312,051,178**	**48,316**
Okra	607	2,033,284	24,012,156	1,824	335	47,129	29,336,345	1,734	12,481	27,519	942	2,080,413	53,348,501	3,558
Radish	6	5,947	297,326	30	12	597	716,633	119	1,987	3,366	18	6,544	1,013,959	149

5.90 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertilizer Use by Crop - LONG RAINY SEASON - Mainland

Crop	Fertilizer Use										Total			
	Organic Fertilizers				Inorganic Fertilizer				No Fertilizer Applied					
	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household
Turmeric	290	7,952	7,952	159	8	995	1,791,736	40	1,610	2,671	298	8,947	1,799,688	199
Bitter Aubergine	598	5,416,686	35,992,512	6,164	504	103,257	65,551,051	2,705	3,004	23,655	1,103	5,519,943	101,543,563	8,869
Onions	1,214	20,332,817	73,166,791	6,957	2,059	583,619	481,428,496	8,048	9,761	44,472	3,274	20,916,435	554,595,287	15,005
Ginger	121	3,572,610	10,538,280	316	0	0	0	0	1,083	3,453	121	3,572,610	10,538,280	316
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	1,208	4,774,492	144,099,231	10,028	1,255	320,371	259,411,435	7,523	4,273	38,928	2,463	5,094,863	403,510,666	17,551
Tomatoes	4,126	42,190,892	579,663,896	26,041	8,307	26,527,049	1,508,625,347	33,420	22,024	138,677	12,432	68,717,941	2,088,289,243	59,461
Spinnach	1,195	8,896,527	80,695,179	10,775	691	360,738	41,259,139	4,518	3,449	30,969	1,886	9,257,266	121,954,318	15,293
Carrot	226	711,606	33,410,185	1,263	129	37,263	27,891,821	583	599	3,998	355	748,868	61,302,006	1,846
Chillies	446	2,371,635	33,267,357	2,678	723	252,711	134,639,594	3,386	2,175	15,399	1,169	2,624,346	167,906,950	6,064
Amaranths	695	1,255,983	38,164,620	6,708	730	285,365	63,032,351	3,393	2,861	27,666	1,424	1,541,348	101,196,970	10,101
Pumpkins	118	800,657	6,671,134	937	138	1,362,560	7,497,520	495	1,672	18,203	256	2,163,217	14,168,654	1,432
Cucumber	205	4,470,051	24,236,715	1,206	344	69,125	32,078,432	1,122	1,184	6,753	549	4,539,175	56,315,147	2,328
Egg Plant	118	111,870	2,390,549	956	63	104,489	3,213,950	598	303.3	3299.6	181.3	216359.2	5604498.5	1554.3
Water Mellon	616	11,677,273	24,835,531	1,341	261	66,262	23,828,533	1,054	1,631	4,941	877	11,743,534	48,664,064	2,395
FRUITS & VEGETABLES	**11,789**	**108,630,281**	**1,111,449,413**		**15,559**	**30,121,530**	**2,680,302,381**		**70,095**	**393,969**	**27,348**	**138,751,811**	**3,791,751,795**	**146,122**
Cotton	25,979	185,985,952	665,500,414	17,713	309	940,962	87,081,457	420	875,851	546,240	26,288	186,926,913	752,581,870	18,132
Tobacco	1,808	1,069,718	659,013,009	2,069	50,388	65,452,262	19,508,116,960	56,258	69,325	133,884	52,195	66,521,980	20,167,129,969	58,328
Pyrethrum	16	15,719	11,002,985	79	53	264	115,373	66	5,897	15,018	69	15,982	11,118,358	145
Jute	0	0	0	0	0	0	0	0	37	90	0	0	0	0
Seaweed	0	0	0	0	0	0	0	0	365	989	0	0	0	0
CASH CROPS	**27,802**	**187,071,389**	**1,335,516,408**		**50,750**	**66,393,487**	**19,595,313,790**		**951,475**	**695,232**	**78,553**	**253,464,876**	**20,930,830,198**	**76,605**
Total	**375,333**	**2,187,162,930**	**19,173,359,334**		**504,438**	**497,357,899**	**72,805,769,282**		**13,106,553**	**19,306,046**	**879,771**	**2,684,520,829**	**91,979,128,616**	**1,380,161**

5.91 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertilizer Use by Crop - LONG RAINY SEASON - Zanzibar

Crop	Fertilizer Use													
	Organic Fertilizers				Inorganic Fertilizer				No Fertilizer Applied		Total			
	Planted Area	Quantity of Fertilizer (Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Quantity of Fertilizer (Kgs)	Cost of Fertilizer	Number of Household
Maize	213	240,593	11,852,609	1,291	61	3,826	2,161,850	12,410	2,161,911	16,236	274	244,419	14,014,458	13,702
Paddy	1,198	539,614	40,460,207	2,828	2,477	368,430	133,633,133	62,857	133635610.2	431286.9454	3,674	908,044	174,093,340	65,686
Sorghum	139	76,298	4,503,805	499	12	2,336	584,013	6,775	584025	9110.708663	151	78,634	5,087,818	7,273
Bulrush Millet	39	12,994	584,013	117	0	0	0	937	0	937	39	12,994	584,013	1,054
Finger Millet	0	0	0	0	0	0	0	29	0	29	0	0	0	29
Wheat	0	0	0	0	0	0	0	57	0	57	0	0	0	57
Barley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cereals	**1,589**	**869,499**	**57,400,633**		**2,550**	**374,592**	**136,378,996**		**136381546**	**457657**	**4,139**	**1,244,091**	**193,779,630**	**87,800**
Cassava	0	0	0	0	13	2,478	416,477	534	416490	3011	13	2,478	416,477	534
Sweet Potatoes	470	607,263	19,138,427	1,150	31	1,527	1,526,991	16,924	1527022	18451	501	608,790	20,665,418	18,074
Irish Potatoes	0	0	0	0	0	0	0	183	0	183	0	0	0	183
Yams	104	159,199	3,854,332	586	0	0	0	3,533	0	3533	104	159,199	3,854,332	4,119
Cocoyam	108	311,920	10,017,122	438	0	0	0	2,721	0	2721	108	311,920	10,017,122	3,159
ROOTS & TUBERS	**690**	**1,095,542**	**33,179,434**		**44**	**4,005**	**1,943,468**		**1943512**	**29207**	**734**	**1,099,547**	**35,122,902**	**27,437**
Mung Beans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	3	945	47,253	32	0	0	0	282	0	282	3	945	47,253	314
Cowpeas	35	33,075	994,822	252	0	0	0	2,646	0	2646	35	33,075	994,822	2,897
Green Gram	19	25,674	645,789	158	0	0	0	1,761	0	1761	19	25,674	645,789	1,919
Chich Peas	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**57**	**59,694**	**1,687,864**		**0**	**0**	**0**		**0**	**4689**	**57**	**59,694**	**1,687,864**	**5,130**
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnuts	19	17,500	669,583	87	0	0	0	1,640	0	1640	19	17,500	669,583	1,727
Soya Beans	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Castor Seed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	**19**	**17,500**	**669,583**		**0**	**0**	**0**		**0**	**1640**	**19**	**17,500**	**669,583**	**1,727**
Okra	42	54,273	1,157,081	383	0	0	0	1,444	0	1444	42	54,273	1,157,081	1,827
Radish	1	760	15,199	30	0	0	0	188	0	188	1	760	15,199	218

5.91 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertilizer Use by Crop - LONG RAINY SEASON - Zanzibar

Crop	Fertilizer Use													
	Organic Fertilizers				Inorganic Fertilizer				No Fertilizer Applied		Total			
	Planted Area	Quantity of Fertilizer (Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Quantity of Fertilizer (Kgs)	Cost of Fertilizer	Number of Household
Turmeric	2	314	188,397	31	0	0	0	413	0	413	2	314	188,397	445
Bitter Aubergine	52	202,428	2,223,422	329	0	0	0	411	0	411	52	202,428	2,223,422	740
Onions	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ginger	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zukkin	12	3,648	182,388	30	0	0	0	30	0	30	12	3,648	182,388	61
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	2	487	32,493	16	0	0	0	16	0	16	2	487	32,493	32
Tomatoes	155	201,520	4,562,368	1,002	4	642	321,207	3,877	321212	4519	160	202,162	4,883,575	4,878
Spinnach	0	0	0	0	0	0	0	29	0	29	0	0	0	29
Carrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	13	9,372	246,689	154	0	0	0	455	0	455	13	9,372	246,689	609
Amaranths	59	179,017	3,399,144	486	0	0	0	814	0	814	59	179,017	3,399,144	1,300
Pumpkins	72	134,361	1,717,332	447	0	0	0	1,505	0	1505	72	134,361	1,717,332	1,952
Cucumber	26	47,007	1,360,052	134	0	0	0	479	0	479	26	47,007	1,360,052	613
Egg Plant	123	249,106	4,449,772	837	10	315	189,011	2,301	189021	2616	132.8	249421.2	4638783.2	3137.7
Water Mellon	11	16,677	452,085	56	0	0	0	117	0	117	11	16,677	452,085	173
FRUITS & VEGETABLES	**571**	**1,098,969**	**19,986,421**		**14**	**957**	**510,219**		**510233**	**13038**	**585**	**1,099,927**	**20,496,639**	**16,017**
Seaweed	8	17,160	169,553	61	0	0	0	1,308	0	1308	8	17,160	169,553	1,369
CASH CROPS	**8**	**17,160**	**169,553**		**0**	**0**	**0**		**0**	**56744**	**8**	**17,160**	**169,553**	**76,605**
Total	**2,926**	**3,141,204**	**112,923,935**		**2,608**	**497,357,899**	**72,805,769,282**		**72805771890**	**498107655**	**5,534**	**500,499,103**	**72,918,693,217**	**761,190**

5.92 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertilizer Use by Crop - LONG RAINY SEASON - National

Crop	Fertilizer Use										Total			
	Organic Fertilizers				Inorganic Fertilizer				No Fertilizer Applied					
	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household
Maize	236,247.0	1,215,975,005.4	11,388,489,922.3	319,222.9	350,194.2	354,035,796.3	41,037,876,130.0	3,491,793.2	41,038,226,324.2	357,527,589.5	586,441	1,570,010,802	52,426,366,052	3,811,016
Paddy	8,344.6	41,774,393.0	470,966,865.5	16,346.0	48,849.9	10,923,297.9	3,772,429,797.9	916,272.8	3,772,478,647.8	11,839,570.7	57,195	52,697,691	4,243,396,663	932,619
Sorghum	22,919.6	98,626,406.1	783,516,031.5	38,226.2	391.3	89,922.7	34,819,633.3	669,101.6	34,820,024.7	759,024.3	23,311	98,716,329	818,335,665	707,328
Bulrush Millet	20,960.7	121,926,076.3	985,555,599.3	28,798.0	90.0	13,897.9	7,182,329.4	184,661.3	7,182,419.4	198,559.2	21,051	121,939,974	992,737,929	213,459
Finger Millet	1,864.4	5,180,580.9	83,217,645.8	5,106.3	1,246.2	74,911.0	73,075,999.8	131,291.9	73,077,246.0	206,203.0	3,111	5,255,492	156,293,646	136,398
Wheat	737.7	1,883,791.3	33,618,094.7	1,228.1	2,063.0	285,938.2	168,319,187.7	70,904.6	168,321,250.7	356,842.8	2,801	2,169,730	201,937,282	72,133
Barley	0.0	0.0	0.0	0.0	0.0	0.0	0.0	356.5	0.0	356.5	0	0	0	356
Cereals	**291,074.2**	**1,485,366,253.0**	**13,745,364,159.3**		**402,834.6**	**365,423,763.9**	**45,093,703,078.2**		**45,094,105,912.8**	**370,888,145.8**	**693,909**	**1,850,790,017**	**58,839,067,237**	**5,873,309**
Cassava	59.0	108,201.6	914,728.3	365.9	46.0	35,053.4	18,007,219.6	15,130.6	18,007,265.5	50,184.0	105	143,255	18,921,948	15,497
Sweet Potatoes	2,521.3	68,912,959.4	145,798,580.9	8,930.5	1,240.3	140,314.5	124,256,034.7	484,012.7	124,257,275.0	624,327.2	3,762	69,053,274	270,054,616	492,943
Irish Potatoes	2,604.8	7,830,335.8	343,078,509.8	7,410.1	14,118.1	12,235,454.8	3,261,089,491.2	73,786.3	3,261,103,609.3	12,309,241.1	16,723	20,065,791	3,604,168,001	81,196
Yams	206.8	448,429.5	42,342,273.8	1,388.8	0.0	0.0	0.0	15,063.4	0.0	15,063.4	207	448,429	42,342,274	16,452
Cocoyam	184.7	642,690.3	28,427,096.9	1,766.8	96.6	11,213.7	21,238,648.6	31,355.3	21,238,745.2	42,569.0	281	653,904	49,665,745	33,122
ROOTS & TUBERS	**5,584.1**	**77,959,776.4**	**560,730,742.6**		**15,501.0**	**12,422,036.4**	**3,424,591,394.0**		**3,424,606,895.0**	**13,043,187.4**	**21,085**	**90,381,813**	**3,985,322,137**	**641,074**
Mung Beans	72.8	311,352.1	2,940,360.7	355.1	134.4	38,101.4	20,270,282.7	11,229.9	20,270,417.0	49,331.3	207	349,454	23,210,643	11,585
Beans	16,775.0	237,872,331.3	1,380,204,113.9	60,077.5	14,975.6	20,777,114.0	1,425,549,861.8	1,222,503.7	1,425,564,837.3	21,999,617.7	31,751	258,649,445	2,805,753,976	1,282,581
Cowpeas	1,049.2	7,839,774.3	116,796,845.3	6,185.3	477.4	55,555.9	55,977,999.2	217,605.9	55,978,476.6	273,161.8	1,527	7,895,330	172,774,844	223,791
Green Gram	856.1	1,693,944.4	16,865,202.9	2,976.2	3.8	558.8	670,599.1	75,179.6	670,602.9	75,738.4	860	1,694,503	17,535,802	78,156
Chich Peas	1,261.8	6,780,100.4	899,840.8	818.5	0.0	0.0	0.0	45,318.8	0.0	45,318.8	1,262	6,780,100	899,841	46,137
Bambaranuts	158.0	3,025,356.9	34,279,802.8	1,146.2	2.4	1,226.2	2,056,346.5	140,041.6	2,056,348.9	141,267.7	160	3,026,583	36,336,149	141,188
Field Peas	279.6	516,917.4	54,690,084.1	1,415.6	1,778.9	218,064.6	239,495,127.5	46,028.1	239,496,906.4	264,092.7	2,059	734,982	294,185,212	47,444
PULSES	**20,452.4**	**258,039,776.9**	**1,606,676,250.5**		**17,372.4**	**21,090,620.9**	**1,744,020,216.7**		**1,744,037,589.1**	**22,848,528.4**	**37,825**	**279,130,398**	**3,350,696,467**	**1,830,882**
Sunflower	13,490.4	53,898,827.6	438,010,079.3	20,589.2	3,031.7	1,521,148.1	242,640,835.7	482,500.6	242,643,867.3	2,003,648.7	16,522	55,419,976	680,650,915	503,090

5.92 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertilizer Use by Crop - LONG RAINY SEASON - National

Crop	Fertilizer Use										Total			
	Organic Fertilizers				Inorganic Fertilizer				No Fertilizer Applied					
	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household
Simsim	1,395.9	5,275,007.2	76,175,769.2	1,798.3	60.8	3,127.5	1,827,147.8	216,539.0	1,827,208.6	219,666.4	1,457	5,278,135	78,002,917	218,337
Groundnuts	6,039.9	12,910,106.6	392,135,148.7	16,210.0	1,874.6	753,761.2	156,259,729.7	870,084.2	156,261,604.3	1,623,845.4	7,914	13,663,868	548,394,878	886,294
Soya Beans	60.4	53,747.5	238,877.6	238.9	47.5	7,020.9	5,433,173.4	15,833.2	5,433,220.9	22,854.1	108	60,768	5,672,051	16,072
Castor Seed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	614.3	0.0	614.3	0	0	0	614
OIL SEEDS & OIL NUTS	**20,986.7**	**72,137,688.8**	**906,559,874.7**		**5,014.5**	**2,285,057.7**	**406,160,886.6**		**406,165,901.1**	**3,870,629.0**	**26,001**	**74,422,747**	**1,312,720,761**	**1,624,408**
Okra	648.8	2,087,556.5	25,169,237.1	2,207.3	335.1	47,129.1	29,336,344.7	16,095.5	29,336,679.8	63,224.7	984	2,134,686	54,505,582	18,303
Radish	7.5	6,706.5	312,524.8	60.1	12.1	597.2	716,632.7	1,885.8	716,644.8	2,483.0	20	7,304	1,029,158	1,946
Turmeric	291.3	8,265.5	196,348.3	190.4	8.1	995.4	1,791,736.3	1,828.3	1,791,744.4	2,823.7	299	9,261	1,988,085	2,019
Bitter Aubergine	650.2	5,619,113.9	38,215,934.0	6,493.0	504.5	103,257.0	65,551,051.2	15,282.6	65,551,555.7	118,539.6	1,155	5,722,371	103,766,985	21,776
Onions	1,214.2	20,332,816.9	73,166,791.2	6,956.9	2,059.4	583,618.6	481,428,495.9	25,272.6	481,430,555.3	608,891.2	3,274	20,916,435	554,595,287	32,230
Ginger	121.0	3,572,610.0	10,538,279.6	315.7	0.0	0.0	0.0	1,884.1	0.0	1,884.1	121	3,572,610	10,538,280	2,200
Zukkin	12.3	3,647.8	182,387.5	30.4	0.0	0.0	0.0	30.4	0.0	30.4	12	3,648	182,388	61
Star Fruit	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0
Cabbage	1,209.9	4,774,979.0	144,131,724.3	10,044.6	1,254.7	320,371.4	259,411,435.4	24,325.9	259,412,690.0	344,697.2	2,465	5,095,350	403,543,160	34,370
Tomatoes	4,280.7	42,392,412.0	584,226,264.2	27,042.8	8,311.2	26,527,691.2	1,508,946,554.0	85,714.9	1,508,954,865.2	26,613,406.1	12,592	68,920,103	2,093,172,818	112,758
Spinnach	1,195.4	8,896,527.4	80,695,179.2	10,775.0	691.0	360,738.5	41,259,138.6	20,772.6	41,259,829.5	381,511.1	1,886	9,257,266	121,954,318	31,548
Carrot	225.6	711,605.5	33,410,185.1	1,262.6	129.3	37,262.8	27,891,821.4	2,610.7	27,891,950.7	39,873.5	355	748,868	61,302,006	3,873
Chillies	459.1	2,381,006.9	33,514,045.6	2,831.6	722.8	252,710.9	134,639,593.6	9,493.7	134,640,316.4	262,204.7	1,182	2,633,718	168,153,639	12,325
Amaranths	753.9	1,435,000.9	41,563,763.5	7,193.9	729.6	285,364.8	63,032,350.7	17,763.4	63,033,080.3	303,128.2	1,483	1,720,366	104,596,114	24,957
Pumpkins	190.0	935,018.3	8,388,465.7	1,384.8	137.7	1,362,560.2	7,497,519.9	11,055.6	7,497,657.6	1,373,615.8	328	2,297,579	15,885,986	12,440
Cucumber	230.8	4,517,057.3	25,596,767.3	1,339.7	344.2	69,124.6	32,078,431.7	4,458.8	32,078,775.9	73,583.4	575	4,586,182	57,675,199	5,799
Egg Plant	241.2	360,976.4	6,840,320.3	1,793.1	72.9	104,804.0	3,402,961.3	4,428.9	3,403,034.3	109,232.9	314.1	465780.4	10243281.6	6222.0
Water Mellon	627.4	11,693,949.4	25,287,616.3	1,396.6	260.8	66,261.7	23,828,532.6	3,239.8	23,828,793.4	69,501.5	0	0	0	0
Cauliflower	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	0	0	0	0

5.92 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area & Number of Households by Fertilizer Use by Crop - LONG RAINY SEASON - National

Crop	Fertilizer Use										Total			
	Organic Fertilizers				Inorganic Fertilizer				No Fertilizer Applied					
	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household	Planted Area	Number of Household	Planted Area	Quantity of Fertilizer(Kgs)	Cost of Fertilizer	Number of Household
Malay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71	29	0	0
FRUITS & VEGETABLES	**12,359.4**	**109,729,250.1**	**1,131,435,834.0**		**15,573.2**	**30,122,487.5**	**2,680,812,600.1**		**2,680,828,173.3**		**27,933**	**139,851,738**	**3,812,248,434**	**150,058**
Cotton	25,978.8	185,985,951.6	665,500,413.5	17,712.7	309.4	940,961.8	87,081,456.7	279,506.4	87,081,766.1	1,220,468.2	26,288	186,926,913	752,581,870	297,219
Tobacco	1,807.7	1,069,718.4	659,013,008.9	2,069.3	50,387.5	65,452,261.8	19,508,116,960.4	67,897.2	19,508,167,347.9	65,520,159.1	52,195	66,521,980	20,167,129,969	69,967
Pyrethrum	15.9	15,718.6	11,002,985.5	78.6	53.4	263.7	115,372.7	7,548.2	115,426.0	7,811.9	69	15,982	11,118,358	7,627
Jute	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.1	0.0	45.1		0	0	
Seaweed	7.6	17,159.8	169,552.9	60.6	0.0	0.0	0.0	1,802.7	0.0	1,802.7		17159.76239	169552.8746	
CASH CROPS	**27,809.9**	**187,088,548.4**	**1,335,685,960.8**		**50,750.3**	**66,393,487.3**	**19,595,313,789.7**		**19,595,364,540.1**		**78,553**	**253,482,036**	**20,930,999,751**	**374,812**
Total	**378,259.2**	**2,190,304,133.7**	**19,286,283,269.0**		**507,046.0**	**497,737,453.7**	**72,944,601,965.3**		**72,945,109,011.3**		**885,305**	**2,688,041,587**	**92,230,885,234**	**1,380,161**

5.93 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area (Hectare) & Number of Households by Input Use and Crop - LONG RAINY SEASON. Mainland

Crop	Input Use											
	Improved Seed				Local Seed				Insecticide			
	Planted Area (Hectare)	Cost of Seeds	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Seeds	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Insecticide	Average cost per hectare	Number of Household
Maize	518,191	18,060,127,529	34,852	614,434	2,577,132	27,161,706,608	10,540	2,864,949	236,411	2,081,111,782	8,803	279,556
Paddy	35,025	933,247,829	26,646	41,187	635,484	14,853,832,476	23,374	812,228	4,539	94,691,092	20,863	8,785
Sorghum	35,194	248,244,772	7,054	45,731	450,155	3,047,566,282	6,770	616,596	874	7,905,804	9,050	2,043
Bulrush Millet	4,754	42,463,736	8,933	4,723	143,540	906,506,114	6,315	179,001	124	1,141,954	9,211	153
Finger Millet	993	11,951,159	12,040	2,524	57,880	604,177,443	10,438	128,739	596	8,441,832	14,155	2,127
Wheat	4,165	278,355,482	66,838	6,826	37,681	1,809,678,897	48,026	64,022	2,688	15,060,104	5,602	2,670
Barley	108	9,268,282	85,627	178	72	1,648,685	22,848	178	144	2,317,071	16,055	267
Cereals	**598,428**	**19,583,658,789**			**3,901,945**	**48,385,116,506**			**245,377**	**2,210,669,638**		
Cassava	348	15,398,249	44,251	814	6,839	191,091,767	27,940	13,783	12	79,515	6,587	159
Sweet Potatoes	2,570	158,805,781	61,796	10,669	141,142	7,247,150,003	51,346	456,420	1,247	25,956,937	20,818	2,422
Irish Potatoes	7,525	1,457,217,286	193,654	16,801	21,181	2,964,725,520	139,971	56,803	5,637	167,515,877	29,718	12,301
Yams	17	10,985,201	643,202	308	1,595	131,632,805	82,540	11,223	0	0	0	0
Cocoyam	89	41,251,120	464,224	486	3,302	212,665,062	64,414	28,148	50	851,459	16,916	465
ROOTS & TUBERS	**10,549**	**1,683,657,637**			**174,059**	**10,747,265,157**			**6,946**	**194,403,787**		
Mung Beans	719	72,517,388	100,888	406	4,570	244,970,710	53,602	10,824	284	16,041,542	56,444	742
Beans	23,391	1,490,108,321	63,704	60,804	465,309	21,834,137,841	46,924	1,161,417	36,653	550,685,918	15,024	69,111
Cowpeas	2,247	50,073,045	22,286	8,156	54,794	829,344,826	15,136	206,804	6,689	188,860,448	28,232	17,763
Green Gram	392	4,876,340	12,436	914	25,225	378,397,994	15,001	72,504	1,257	69,673,268	55,431	2,483
Chich Peas	1,224	58,233,052	47,561	1,677	61,215	1,051,250,188	17,173	43,642	11,345	154,755,926	13,640	7,234
Bambaranuts	1,508	50,214,230	33,298	4,572	35,829	849,396,063	23,707	135,470	120	11,613,652	96,922	513
Field Peas	1,093	67,792,932	62,040	2,417	12,524	552,223,045	44,092	43,611	1,105	17,969,227	16,269	3,916
PULSES	**30,574**	**1,793,815,307**			**659,467**	**25,739,720,666**			**57,453**	**1,009,599,981**		
Sunflower	48,561	765,010,103	15,754	68,335	284,959	2,964,049,518	10,402	414,166	1,076	18,754,600	17,423	3,477
Simsim	24,782	307,692,419	12,416	31,998	105,952	933,033,461	8,806	184,541	4,085	57,226,218	14,008	6,424
Groundnuts	24,780	962,022,022	38,822	48,415	390,489	12,305,525,554	31,513	820,030	1,313	30,173,092	22,985	2,965
Soya Beans	106	1,618,264	15,310	554	6,927	103,369,911	14,923	15,279	70	1,194,388	17,114	282
Castor Seed	33	651,509	19,760	81	293	5,405,285	18,449	533	0	0	0	0
OIL SEEDS & OIL NUTS	**98,261**	**2,036,994,317**			**788,620**	**16,311,383,729**			**6,544**	**107,348,298**		
Okra	1,528	54,497,377	35,669	5,648	5,052	78,367,597	15,513	9,004	1,030	26,879,609	26,086	3,548
Radish	144	3,716,682	25,751	215	806	14,523,480	18,016	1,483	6	594,652	98,800	30
Turmeric	0	0	0	0	954	8,980,315	9,414	1,415	290	1,908,360	6,587	159
Bitter Aubergine	441	12,306,772	27,879	3,129	1,527	56,715,504	37,149	11,743	606	83,330,799	137,553	3,619
Onions	2,648	207,058,670	78,199	12,450	3,706	279,094,534	75,312	12,822	2,500	115,487,109	46,197	9,380
Ginger	93	23,357,731	251,603	371	509	125,949,220	247,331	1,513	0	0	0	0
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	2,643	207,988,679	78,700	17,225	633	28,131,165	44,408	7,085	2,026	160,735,683	79,331	12,616
Tomatoes	11,573	474,489,310	40,998	54,336	4,579	198,204,888	43,282	27,502	10,884	765,687,339	70,353	48,645
Spinnach	1,703	78,814,678	46,286	13,913	797	35,548,428	44,617	6,831	1,237	82,172,685	66,449	9,060
Carrot	351	22,147,516	63,185	2,174	109	1,441,151	13,249	436	189	6,264,144	33,078	686
Chillies	1,174	49,666,940	42,296	6,008	382	5,276,911	13,808	3,030	706	64,602,398	91,466	4,606
Amaranths	677	23,631,913	34,920	6,357	1,270	24,624,519	19,384	10,593	262	9,552,190	36,420	3,024
Pumpkins	158	1,089,835	6,916	688	708	11,958,605	16,887	8,863	218	3,386,529	15,557	994
Cucumber	575	27,476,474	47,826	2,299	235	4,995,895	21,235	1,681	429	16,799,102	39,200	1,681
Egg Plant	122	2,620,015	21,443	1,109	86	1,455,678	16,860	1,019	99	3,899,541	39,357	1,074
Water Mellon	1,095	26,736,098	24,407	2,383	135	1,720,387	12,765	739	615	18,827,527	30,607	1,707
FRUITS & VEGETABLES	**24,925**	**1,215,598,690**			**21,489**	**876,988,278**			**21,097**	**1,360,127,666**		
Cotton	360,024	3,510,745,953	9,751	230,742	85,696	1,082,367,074	12,630	48,764	255,351	4,811,363,398	18,842	162,334
Tobacco	49,139	2,084,659,384	42,424	53,955	11,195	561,058,570	50,117	13,942	34,564	862,043,518	24,941	38,210
Pyrethrum	1,552	65,635,782	42,305	2,881	1,366	146,307,216	107,080	4,667	13	197,782	14,820	66
Jute	18	90,255	4,940	45	0	.	0	0	0	0	0	0
Seaweed	0	0	0	0	125	94,756,847	756,451	495	0	0	0	0
CASH CROPS	**410,733**	**5,661,131,374**			**98,257**	**1,789,732,860**			**289,928**	**5,673,604,697**		
Total	**1,173,470**	**31,974,856,115**			**5,643,837**	############			**627,345**	**10,555,754,068**		
Cont…												

Cont. Table 5.93 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area (Hectare) & Number of Households by Input Use and Crop - LONG RAINY SEASON. Mainland

Crop	Input Use										Total	
	Fungicide				Herbicide				Irrigation			
	Planted Area (Hectare)	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area (Hectare)	Number of Household	Planted Area (Hectare)	Number of Household
Maize	22,539	325,385,679	14,436	22,575	52,866	1,455,143,545	27,525	55,541	79,628	127,934	3,486,768	3,964,988
Paddy	2,293	40,655,441	17,727	4,571	57,003	1,215,438,048	21,322	53,402	47,284	66,151	781,628	986,324
Sorghum	1,580	23,860,331	15,100	2,224	4,014	24,813,844	6,181	1,322	5,550	8,523	497,367	676,439
Bulrush Millet	92	266,951	2,903	200	68	2,515,404	36,934	396	3,358	4,466	151,936	188,940
Finger Millet	167	4,291,312	25,723	328	253	3,804,867	15,046	341	1,030	4,099	60,918	138,157
Wheat	4,408	127,684,685	28,963	2,300	6,909	166,020,575	24,029	4,220	469	505	56,321	80,542
Barley	54	2,851,779	52,693	89	108	2,272,512	20,995	178	0	0	487	891
Cereals	**31,134**	**524,996,178**			**121,222**	**2,870,008,795**			**137,319**		########	
Cassava	115	711,818	6,175	142	12	0	0	81	55	453	7,382	15,433
Sweet Potatoes	294	8,497,855	28,858	699	13	0	0	262	1,024	4,132	146,291	474,604
Irish Potatoes	11,924	776,278,501	65,100	25,579	649	51,223,970	78,959	1,230	2,091	6,816	49,007	119,529
Yams	4	150,236	37,050	100	0	0	0	0	6	116	1,622	11,747
Cocoyam	81	5,965,391	73,286	346	0	0	0	0	173	893	3,695	30,339
ROOTS & TUBERS	**12,420**	**791,603,801**			**674**	**51,223,970**			**3,348**		**207,996**	
Mung Beans	239	7,361,167	30,776	701	0	0	0	0	177	480	5,989	13,153
Beans	6,480	208,931,949	32,244	12,690	4,496	99,737,102	22,184	8,708	12,947	43,876	549,275	1,356,607
Cowpeas	438	13,876,846	31,698	906	247	4,745,776	19,177	687	457	2,692	64,873	237,008
Green Gram	97	1,136,469	11,659	241	125	1,239,593	9,898	274	140	872	27,237	77,288
Chich Peas	322	12,226,868	37,914	683	224	2,869,407	12,825	426	330	163	74,661	53,824
Bambaranuts	11	201,549	17,784	112	0	0	0	0	214	890	37,681	141,557
Field Peas	1,038	39,529,660	38,064	2,637	0	0	0	0	222	1,634	15,982	54,214
PULSES	**8,626**	**283,264,509**			**5,092**	**108,591,878**			**14,486**		**775,699**	
Sunflower	958	59,428,997	62,011	945	675	18,646,059	27,632	1,738	2,007	3,589	338,236	492,249
Simsim	851	13,056,928	15,350	920	271	6,510,354	24,004	528	1,236	1,872	137,177	226,283
Groundnuts	1,537	10,209,611	6,641	2,677	601	9,563,785	15,925	1,137	2,474	7,691	421,195	882,914
Soya Beans	78	1,194,388	15,307	282	12	1,194,388	98,800	119	12	119	7,205	16,637
Castor Seed	0	0	0	0	0	0	0	0	0	0	326	614
OIL SEEDS & OIL NUTS	**3,424**	**83,889,924**			**1,559**	**35,914,586**			**5,729**		**904,138**	
Okra	732	22,586,058	30,846	1,710	66	3,377,523	50,821	234	851	3,834	9,259	23,978
Radish	0	0	0	0	25	625,276	24,700	63	7	72	989	1,863
Turmeric	0	0	0	0	0	0	0	0	0	0	1,244	1,574
Bitter Aubergine	248	27,998,714	112,928	2,734	21	3,678,533	175,160	172	1,034	7,041	3,877	28,438
Onions	1,528	95,139,352	62,252	6,170	429	28,411,785	66,152	1,362	3,093	13,598	13,904	55,783
Ginger	57	3,405,316	59,280	284	0	0	0	0	240	584	899	2,752
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	0	***0***	0	0	0	0	0	0	0	0
Cabbage	206	11,859,653	57,696	1,175	171	6,352,181	37,117	1,335	1,740	12,642	7,419	52,079
Tomatoes	10,426	1,545,629,933	148,245	43,852	1,283	90,085,200	70,240	5,438	9,709	50,241	48,454	230,015
Spinnach	279	11,627,853	41,748	1,489	150	5,231,495	34,867	1,078	1,540	12,475	5,705	44,845
Carrot	92	9,346,686	101,536	433	149	8,639,170	57,795	429	293	1,551	1,183	5,709
Chillies	434	98,866,062	227,996	3,049	65	2,833,136	43,796	525	994	5,613	3,755	22,831
Amaranths	360	3,164,260	8,796	590	58	1,952,150	33,723	206	1,131	8,267	3,758	29,036
Pumpkins	137	810,569	5,897	544	50	852,934	17,091	228	289	2,361	1,560	13,677
Cucumber	379	12,843,457	33,865	1,266	198	5,734,441	29,023	244	486	2,065	2,301	9,235
Egg Plant	82	3,397,975	41,196	742	19	5,295,552	281,945	169	102	1,259	511	5,371
Water Mellon	469	7,184,245	15,328	959	39	423,644	10,739	85	661	1,965	3,015	7,839
FRUITS & VEGETABLES	**15,430**	**1,853,860,132**			**2,724**	**163,493,018**			**22,169**		**107,832**	
Cotton	5,718	92,645,913	16,203	3,961	1,246	26,392,681	21,183	1,011	7,816	5,477	715,850	452,290
Tobacco	7,121	127,187,158	17,861	7,502	5,390	121,294,553	22,503	6,562	3,656	7,133	111,065	127,304
Pyrethrum	3	0	0	66	0	0	0	0	176	238	3,111	7,918
Jute	0	0	0	0	0	0	0	0	0	0	18	45
Seaweed	0	0	0	0	0	0	0	0	0	0	125	495
CASH CROPS	**12,842**	**219,833,072**			**6,636**	**147,687,234**			**11,648**		**830,044**	
Total	**83,877**	**3,757,447,616**			**137,907**	**3,376,919,480**			**194,699**		########	

5.94 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area (Hectare) & Number of Households by Input Use and Crop - LONG RAINY SEASON - Zanzibar

Crop	Input Use											
	Improved Seed				Local Seed				Insecticide			
	Planted Area (Hectare)	Cost of Seeds	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Seeds	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Insecticide	Average cost per hectare	Number of Household
Maize	337	5,991,572	17,776	1,841	2,375	39,590,248	16,668	10,569	130	2,542,157	19,583	535
Paddy	1,031	88,048,336	85,383	2,713	22,188	1,165,120,707	52,510	60,144	92	1,947,132	21,073	252
Sorghum	27	228,335	8,341	113	1,452	94,033,036	64,775	6,662	0	0	0	0
Bulrush Millet	3	6,300	1,976	32	212	22,618,828	106,588	905	0	0	0	0
Finger Millet	0	0	0	0	18	58,401	0	29	0	0	0	0
Wheat	0	0	0	0	22	587,243	0	57	0	0	0	0
Barley	0	0	0	0	0	0	0	0	0	0	0	0
Cereals	**1,399**	**94,274,542**			**26,267**	**1,322,008,462**			**222**	**4,489,289**		
Cassava	0	0	0	0	168	11,777,893	0	534	0	0	0	0
Sweet Potatoes	36	961,411	27,018	246	4,704	179,440,753	38,146	16,678	41	834,281	20,429	108
Irish Potatoes	3	124,014	39,520	31	33	463,812	14,087	152	0	0	0	0
Yams	12	1,366,691	114,919	57	641	68,434,308	106,745	3,476	7	27,782	4,023	49
Cocoyam	4	72,955	17,435	61	441	49,796,243	112,982	2,660	0	0	0	0
ROOTS & TUBERS	**55**	**2,525,070**			**5,987**	**309,913,009**			**48**	**862,062**		
Mung Beans	0	0	0	0	0	0	0	0	0		0	0
Beans	6	349,848	55,840	62	51	444,177	8,707	221	0	0	0	0
Cowpeas	50	1,155,403	22,963	346	387	6,028,402	15,589	2,299	34	683,436	20,045	216
Green Gram	24	582,785	24,050	158	301	3,326,706	11,039	1,604	16	382,605	23,555	112
Chich Peas	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0		0	0	0	0	0	0	0	0
PULSES	**81**	**2,088,036**			**739**	**9,799,285**			**50**	**1,066,041**		
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0
Groundnuts	13	1,495,293	117,997	62	417	22,192,615	53,261	1,577	5	50,900	9,880	25
Soya Beans	0	0	0	0	0	0	0	0	0	0	0	0
Castor Seed	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	**13**	**1,495,293**			**417**	**22,192,615**			**5**	**50,900**		
Okra	24	633,268	26,156	187	226	3,204,489	14,206	1,256	27	1,673,435	63,071	213
Radish	7	93,402	14,198	62	40	420,550	10,468	126	1	45,597	30,875	30
Turmeric	26	497,109	19,167	51	104	3,900,344	37,358	362	0	0	0	0
Bitter Aubergine	1	327,691	238,490	62	59	5,828,092	99,219	349	33	2,362,515	70,875	184
Onions	0	0	0	0	0	.	0	0	0	0	0	0
Zukkin	0	0	0	0	12	243,183	19,760	30	0	0	0	0
Star Fruit	0	0	0	0	0	.	0	0	0	0	0	0
Cabbage	0	0	0	0	2	11,373	6,916	16	0	0	0	0
Tomatoes	55	1,397,099	25,549	336	539	16,047,692	29,794	3,540	123	3,647,420	29,744	563
Spinnach	0	0	0	0	1	29,201	20,583	29	0	0	0	0
Carrot	0	0	0	0	0	.	0	0	0	0	0	0
Chillies	13	212,986	16,330	123	34	1,987,639	58,534	333	8	300,636	37,075	124
Amaranths	24	304,294	12,755	166	69	994,496	14,406	648	20	710,050	35,163	165
Pumpkins	6	31,502	4,940	32	236	9,003,652	38,089	1,474	58	2,220,854	38,250	327
Cucumber	15	392,291	26,775	87	80	1,511,258	18,810	392	49	933,875	19,222	174
Egg Plant	70	1,038,967	14,778	309	262	5,794,313	22,106	1,992	117	3,468,992	29,700	540
Water Mellon	5	60,796	12,350	30	15	438,097	29,313	87	5	152,699	29,640	25
Cauliflower	0	0	0	0	0	498,893	0	0	0		0	0
Malay	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**246**	**4,989,404**			**1,680**	**49,913,272**			**441**	**15,516,072**		
Seaweed	174	2,088,208	12,000	817	107	5,349,398	49,821	491	0	0	0	0
CASH CROPS	**174**	**2,088,208**			**107**	**5,349,398**			**0**	**0**		
Total	**1,967**	**107,460,554**			**35,197**	**1,719,176,041**			**766**	**21,984,364**		
Cont…												

Cont. Table 5.94 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area (Hectare) & Number of Households by Input Use and Crop - LONG RAINY SEASON - Zanzibar

Crop	Input Use											
	Fungicide				Herbicide				Irrigation		Total	
	Planted Area (Hectare)	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area (Hectare)	Number of Household	Planted Area (Hectare)	Number of Household
Maize	3	381,748	148,200	25	0	0	0	400	104	6,937	2,948	20,307
Paddy	40	1,499,692	37,045	135	1,282	67,720,151	52,827	2,498	697	10,728	25,331	76,470
Sorghum	3	6,300	1,976	32	0	0	0	32	10	1,983	1,492	8,820
Bulrush Millet	0	0	0	0	0	0	0	0	0	3,704	215	4,641
Finger Millet	0	0	0	0	0	0	0	0	0	0	18	29
Wheat	0	0	0	0	0	0	0	0	0	0	22	57
Barley	0	0	0	0	0	0	0	0	0	0	0	0
Cereals	**46**	**1,887,740**			**1,282**	**67,720,151**			**810**		**30,027**	
Cassava	0	0	0	0	0	0	0	0	0	176	168	709
Sweet Potatoes	30	381,748	12,613	56	0	0	0	172	95	12,385	4,906	29,645
Irish Potatoes	0	0	0	0	0	0	0	0	0	114	36	296
Yams	0	0	0	0	0	0	0	118	33	9,268	693	12,967
Cocoyam	0	0	0	0	0	0	0	31	11	2,352	456	5,104
ROOTS & TUBERS	**30**	**381,748**			**0**	**0**			**140**		**6,260**	
Mung Beans	0	0	0	0	0		0	0	0	0	0	0
Beans	0	0	0	0	0	0	0	0	0	99	57	381
Cowpeas	6	63,004	9,880	32	0	0	0	0	0	4,283	478	7,175
Green Gram	0	0	0	0	0	0	0	0	0	1,633	342	3,506
Chich Peas	0	0	0	0	0		0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0		0	0	0	0	0	0
PULSES	**6**	**63,004**			**0**	**0**			**0**		**877**	
Sunflower	0	0	0	0	0		0	0	0	0	0	0
Simsim	0	0	0	0	0		0	0	0	0	0	0
Groundnuts	0	0	0	0	0	0	0	0	0	1,194	434	2,859
Soya Beans	0	0	0	0	0		0	0	0	0	0	0
Castor Seed	0	0	0	0	0		0	0	0	0	0	0
OIL SEEDS & OIL NUTS	**0**	**0**			**0**	**0**			**0**		**434**	
Okra	3	121,592	39,520	30	0	0	0	327	33	1,452	313	3,466
Radish	1	45,597	30,875	30	0	0	0	32	5	124	55	404
Turmeric	0	0	0	0	0	0	0	31	6	404	137	848
Bitter Aubergine	0	0	0	0	0	0	0	179	17	639	111	1,414
Onions	0	0	0	0	0	0	0	0	0	63	0	63
Zukkin	0	0	0	0	0	0	0	30	12	56	25	117
Star Fruit	0	0	0	0	0	0	0	0	0	16	0	16
Cabbage	0	0	0	0	0	0	0	16	2	108	3	141
Tomatoes	32	670,528	20,881	117	0	0	0	649	93	4,058	841	9,264
Spinnach	0	0	0	0	0	0	0	29	1	85	3	144
Carrot	0	0	0	0	0	0	0	0	0	57	0	57
Chillies	5	167,189	35,750	61	0	0	0	150	15	650	75	1,440
Amaranths	6	427,345	75,601	56	0	0	0	391	38	2,104	156	3,531
Pumpkins	6	42,557	6,916	30	0	0	0	16	2	1,606	309	3,485
Cucumber	22	280,592	12,671	62	0	0	0	216	51	1,301	217	2,233
Egg Plant	17	640,130	36,908	117	0	0	0	686	82	3,023	548	6,667
Water Mellon	0	0	0	0	0	152,699	0	25	5	170	30	338
Cauliflower	0	0	0	0	0	0	0	0	0	0	0	0
Malay	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**93**	**2,395,529**			**0**	**152,699**			**363**		**2,822**	
Seaweed	0	0	0	0	0	0	0	32	3	793	285	2,133
CASH CROPS	**0**	**0**			**0**	**0**			**3**		**285**	
Total	**176**	**4,728,021**			**1,282**	**67,872,850**	**52,946**		**1,316**		**40,704**	

5.95 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area (Hectare) & Number of Households by Input Use and Crop - LONG RAINY SEASON - National

Crop	Input Use											
	Improved Seed				Local Seed				Insecticide			
	Planted Area (Hectare)	Cost of Seeds	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Seeds	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Insecticide	Average cost per hectare	Number of Household
Maize	518,528	18,066,119,100	34,841	616,274	2,579,507	27,201,296,856	10,545	2,875,519	236,541	2,083,653,939	8,809	280,090
Paddy	36,056	1,021,296,165	28,325	43,900	657,672	16,018,953,183	24,357	872,373	4,631	96,638,224	20,867	9,036
Sorghum	35,221	248,473,107	7,055	45,844	451,607	3,141,599,318	6,956	623,257	874	7,905,804	9,050	2,043
Bulrush Millet	4,757	42,470,036	8,928	4,755	143,753	929,124,942	6,463	179,907	124	1,141,954	9,211	153
Finger Millet	993	11,951,159	12,040	2,524	57,897	604,235,845	10,436	128,768	596	8,441,832	14,155	2,127
Wheat	4,165	278,355,482	66,838	6,826	37,703	1,810,266,140	48,014	64,079	2,688	15,060,104	5,602	2,670
Barley	108	9,268,282	85,627	178	72	1,648,685	22,848	178	144	2,317,071	16,055	267
Cereals	**599,827**	**19,677,933,332**			**3,928,212**	**49,707,124,968**			**245,599**	**2,215,158,928**		
Cassava	348	15,398,249	44,251	814	7,008	202,869,661	28,949	14,317	12	79,515	6,587	159
Sweet Potatoes	2,605	159,767,191	61,321	10,915	145,846	7,426,590,756	50,921	473,097	1,288	26,791,217	20,806	2,530
Irish Potatoes	7,528	1,457,341,300	193,590	16,832	21,214	2,965,189,332	139,775	56,955	5,637	167,515,877	29,718	12,301
Yams	29	12,351,892	426,346	365	2,236	200,067,113	89,481	14,698	7	27,782	4,023	49
Cocoyam	93	41,324,075	444,131	547	3,742	262,461,305	70,134	30,808	50	851,459	16,916	465
ROOTS & TUBERS	**10,603**	**1,686,182,707**			**180,046**	**11,057,178,167**			**6,994**	**195,265,850**		
Mung Beans	719	72,517,388	100,888	406	4,570	244,970,710	53,602	10,824	284	16,041,542	56,444	742
Beans	23,397	1,490,458,169	63,702	60,866	465,360	21,834,582,018	46,920	1,161,637	36,653	550,685,918	15,024	69,111
Cowpeas	2,297	51,228,448	22,301	8,502	55,181	835,373,228	15,139	209,104	6,724	189,543,884	28,191	17,979
Green Gram	416	5,459,125	13,112	1,072	25,526	381,724,699	14,954	74,108	1,273	70,055,873	55,025	2,595
Chich Peas	1,224	58,233,052	47,561	1,677	61,215	1,051,250,188	17,173	43,642	11,345	154,755,926	13,640	7,234
Bambaranuts	1,508	50,214,230	33,298	4,572	35,829	849,396,063	23,707	135,470	120	11,613,652	96,922	513
Field Peas	1,093	67,792,932	62,040	2,417	12,524	552,223,045	44,092	43,611	1,105	17,969,227	16,269	3,916
PULSES	**30,655**	**1,795,903,343**			**660,206**	**25,749,519,951**			**57,503**	**1,010,666,022**		
Sunflower	48,561	765,010,103	15,754	68,335	284,959	2,964,049,518	10,402	414,166	1,076	18,754,600	17,423	3,477
Simsim	24,782	307,692,419	12,416	31,998	105,952	933,033,461	8,806	184,541	4,085	57,226,218	14,008	6,424
Groundnuts	24,793	963,517,315	38,862	48,477	390,906	12,327,718,169	31,536	821,607	1,318	30,223,992	22,934	2,991
Soya Beans	106	1,618,264	15,310	554	6,927	103,369,911	14,923	15,279	70	1,194,388	17,114	282
Castor Seed	33	651,509	19,760	81	293	5,405,285	18,449	533	0	0	0	0
OIL SEEDS & OIL NUTS	**159,584**	**5,630,296,297**			**2,109,449**	**67,832,616,245**			**121,556**	**2,128,731,242**		
Okra	1,552	55,130,644	35,520	5,835	5,277	81,572,086	15,457	10,260	1,057	28,553,044	27,015	3,761
Radish	151	3,810,084	25,248	277	846	14,944,030	17,658	1,609	7	640,249	85,417	60
Turmeric	26	497,109	19,167	51	1,058	12,880,659	12,170	1,777	290	1,908,360	6,587	159
Bitter Aubergine	443	12,634,463	28,533	3,191	1,585	62,543,596	39,449	12,092	639	85,693,314	134,076	3,803
Onions	2,648	207,058,670	78,199	12,450	3,706	279,094,534	75,312	12,822	2,500	115,487,109	46,197	9,380
Ginger	93	23,357,731	251,603	371	509	125,949,220	247,331	1,513	0	0	0	0
Zukkin	0	0	0	0	12	243,183	19,760	30	0	0	0	0
Star Fruit	0	0	0	0	0	.	0	0	0	0	0	0
Cabbage	2,643	207,988,679	78,700	17,225	635	28,142,538	44,311	7,101	2,026	160,735,683	79,331	12,616
Tomatoes	11,628	475,886,409	40,926	54,673	5,118	214,252,580	41,863	31,042	11,006	769,334,758	69,901	49,209
Spinnach	1,703	78,814,678	46,286	13,913	798	35,577,629	44,574	6,860	1,237	82,172,685	66,449	9,060
Carrot	351	22,147,516	63,185	2,174	109	1,441,151	13,249	436	189	6,264,144	33,078	686
Chillies	1,187	49,879,926	42,011	6,131	416	7,264,551	17,458	3,363	714	64,903,035	90,849	4,730
Amaranths	701	23,936,207	34,165	6,523	1,339	25,619,015	19,127	11,241	282	10,262,239	36,331	3,189
Pumpkins	164	1,121,336	6,839	719	945	20,962,257	22,193	10,336	276	5,607,383	20,335	1,321
Cucumber	589	27,868,765	47,303	2,386	316	6,507,153	20,618	2,073	477	17,732,977	37,166	1,856
Egg Plant	192	3,658,982	19,009	1,418	348	7,249,992	20,806	3,011	216	7,368,533	34,133	1,614
Water Mellon	1,100	26,796,893	24,353	2,414	150	2,158,484	14,417	826	620	18,980,226	30,599	1,732
Cauliflower	0	0	0	0	0	0	0	0	0	0	0	0
Malay	0	0	0	0	29	571,524	19,760	71	0	0	0	0
FRUITS & VEGETABLES	**25,170**	**1,220,588,094**			**23,198**	**926,974,180**			**21,537**	**1,375,643,738**		

5.95 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area (Hectare) & Number of Households by Input Use and Crop - LONG RAINY SEASON - National												
Cotton	360,024	3,510,745,953	9,751	230,742	85,696	1,082,367,074	12,630	48,764	255,351	4,811,363,398	18,842	162,334
Tobacco	49,139	2,084,659,384	42,424	53,955	11,195	561,058,570	50,117	13,942	34,564	862,043,518	24,941	38,210
Pyrethrum	1,552	65,635,782	42,305	2,881	1,366	146,307,216	107,080	4,667	13	197,782	14,820	66
Jute	18	90,255	4,940	45	0	.	0	0	0	0	0	0
Seaweed	174	2,088,208	12,000	817	233	100,106,245	430,311	986	0	0	0	0
CASH CROPS	**410,907**	**5,663,219,582**			**98,490**	**1,889,839,104**			**289,928**	**5,673,604,697**		
Total	**1,236,747**	**35,674,123,355**			**6,999,600**	############			**743,118**	**12,599,070,477**		
Cont….												

Cont Table 5.95 ANNUAL CROP & VEGETABLE PRODUCTION: Planted Area (Hectare) & Number of Households by Input Use and Crop - LONG RAINY SEASON - National

Crop	Input Use											
	Fungicide				Herbicide				Irrigation		Total	
	Planted Area (Hectare)	Cost of Fungicide	Average cost per hectare	Number of Household	Planted Area (Hectare)	Cost of Herbicide	Average cost per hectare	Number of Household	Planted Area (Hectare)	Number of Household	Planted Area (Hectare)	Number of Household
Maize	22,542	325,767,427	14,452	22,600	52,866	1,455,143,545	27,525	55,541	79,732	128,333	3,489,716	3,978,358
Paddy	2,334	42,155,134	18,062	4,706	57,003	1,283,158,199	22,510	56,221	47,980	68,649	805,677	1,054,884
Sorghum	1,583	23,866,631	15,074	2,255	4,014	24,813,844	6,181	1,322	5,560	8,555	498,860	683,277
Bulrush Millet	92	266,951	2,903	200	68	2,515,404	36,934	396	3,358	4,466	152,151	189,876
Finger Millet	167	4,291,312	25,723	328	253	3,804,867	15,046	341	1,030	4,099	60,936	138,186
Wheat	4,408	127,684,685	28,963	2,300	6,909	166,020,575	24,029	4,220	469	505	56,343	80,599
Barley	54	2,851,779	52,693	89	108	2,272,512	20,995	178	0	0	487	891
Cereals	**31,181**	**526,883,918**			**121,222**	**2,937,728,946**			**138,129**		########	
Cassava	115	711,818	6,175	142	12	0	0	81	55	453	7,551	15,966
Sweet Potatoes	325	8,879,603	27,344	755	13	0	0	262	1,119	4,304	151,197	491,864
Irish Potatoes	11,924	776,278,501	65,100	25,579	649	51,223,970	78,959	1,230	2,091	6,816	49,043	119,712
Yams	4	150,236	37,050	100	0	0	0	0	39	234	2,315	15,446
Cocoyam	81	5,965,391	73,286	346	0	0	0	0	184	924	4,151	33,091
ROOTS & TUBERS	**12,450**	**791,985,549**			**674**	**51,223,970**			**3,488**		**214,256**	
Mung Beans	239	7,361,167	30,776	701	0	0	0	0	177	480	5,989	13,153
Beans	6,480	208,931,949	32,244	12,690	4,496	99,737,102	22,184	8,708	12,947	43,876	549,333	1,356,890
Cowpeas	444	13,939,850	31,385	937	247	4,745,776	19,177	687	457	2,692	65,351	239,901
Green Gram	97	1,136,469	11,659	241	125	1,239,593	9,898	274	140	872	27,579	79,161
Chich Peas	322	12,226,868	37,914	683	224	2,869,407	12,825	426	330	163	74,661	53,824
Bambaranuts	11	201,549	17,784	112	0	0	0	0	214	890	37,681	141,557
Field Peas	1,038	39,529,660	38,064	2,637	0	0	0	0	222	1,634	15,982	54,214
PULSES	**8,633**	**283,327,513**			**5,092**	**108,591,878**			**14,486**		**776,575**	
Sunflower	958	59,428,997	62,011	945	675	18,646,059	27,632	1,738	2,007	3,589	338,236	492,249
Simsim	851	13,056,928	15,350	920	271	6,510,354	24,004	528	1,236	1,872	137,177	226,283
Groundnuts	1,537	10,209,611	6,641	2,677	601	9,563,785	15,925	1,137	2,474	7,691	421,629	884,579
Soya Beans	78	1,194,388	15,307	282	12	1,194,388	98,800	119	12	119	7,205	16,637
Castor Seed	0	0	0	0	0	0	0	0	0	0	326	614
OIL SEEDS & OIL NUTS	**20,690**	**650,544,950**			**11,743**	**253,098,341**			**34,701**		########	
Okra	735	22,707,650	30,882	1,741	66	3,377,523	50,821	234	884	4,161	9,572	25,992
Radish	1	45,597	30,875	30	25	625,276	24,700	63	12	104	1,044	2,143
Turmeric	0	0	0	0	0	0	0	0	6	31	1,380	2,019
Bitter Aubergine	248	27,998,714	112,928	2,734	21	3,678,533	175,160	172	1,051	7,221	3,988	29,213
Onions	1,528	95,139,352	62,252	6,170	429	28,411,785	66,152	0	3,093	13,598	13,904	54,421
Ginger	57	3,405,316	59,280	284	0	0	0	1,362	240	584	899	4,114
Zukkin	0	0	0	0	0	0	0	0	12	30	25	61
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	206	11,859,653	57,696	1,175	171	6,352,181	37,117	0	1,742	12,658	7,422	50,776
Tomatoes	10,458	1,546,300,461	147,854	43,969	1,283	90,085,200	70,240	1,335	9,801	50,890	49,294	231,118
Spinnach	279	11,627,853	41,748	1,489	150	5,231,495	34,867	5,438	1,542	12,505	5,708	49,264
Carrot	92	9,346,686	101,536	433	149	8,639,170	57,795	1,078	293	1,551	1,183	6,358
Chillies	438	99,033,250	225,945	3,109	65	2,833,136	43,796	429	1,009	5,763	3,830	23,525
Amaranths	365	3,591,605	9,829	646	58	1,952,150	33,723	525	1,169	8,658	3,914	30,782
Pumpkins	144	853,126	5,940	574	50	852,934	17,091	206	291	2,377	1,868	15,534
Cucumber	401	13,124,049	32,696	1,327	198	5,734,441	29,023	228	537	2,281	2,518	10,151
Egg Plant	100	4,038,105	40,451	858	19	5,295,552	281,945	244	184	1,945	1,059	9,090
Water Mellon	469	7,184,245	15,328	959	39	576,343	14,610	169	666	1,991	3,045	8,091
Cauliflower	0		0	0		0	0	110	0		0	110
Malay	0	1,856,255,661	0	0		0	0	0	0	0	29	71

FRUITS & VEGETABLES	**15,522**	**3,712,511,322**			**2,724**	**163,645,717**			**22,532**		**110,683**	
Cotton	5,718	127,187,158	22,244	3,961	1,246	26,392,681	21,183	1,011	7,816	5,477	715,850	452,290
Tobacco	7,121	0	0	7,502	5,390	121,294,553	22,503	6,562	3,656	7,133	111,065	127,304
Pyrethrum	3	0	0	66	0	0	0	0	176	238	3,111	7,918
Jute	0	219,833,072	0	0	0	0	0	0	0	0	18	45
Seaweed	0	0	0	0	0	0	0	0	3	32	410	1,834
CASH CROPS	**12,842**	**347,020,230**			**6,636**	**147,687,234**			**11,651**		**830,454**	
Total	**101,318**	**6,312,273,483**			**148,092**	**3,661,976,086**			**224,988**		**#######**	

PERMANENT CROPS

5.3.5: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Cashewnut								Banana							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Dodoma	116	46	116	9	232	55	46	37	1,031	285	1,014	215	2,044	500	402	3,513
Arusha	43	17	0	.	43	17	17	1	10,808	3,215	25,124	5,724	32,231	8,939	8,109	59,651
Kilimanjaro	0	.	0	.	0	.	.		36,426	11,193	126,162	40,168	147,774	51,361	43,680	202,567
Tanga	7,157	4,614	15,749	27,655	17,577	32,269	4,706	5,047	20,171	6,998	33,579	4,415	41,464	11,412	9,604	43,010
Morogoro	289	50	1,392	367	1,392	417	46	41	15,652	5,726	27,223	5,044	37,278	10,770	8,355	41,010
Pwani	21,937	22,154	40,511	86,959	56,037	109,112	23,987	21,549	5,302	1,589	16,028	2,891	18,958	4,479	3,490	14,935
Dar es Salaam	2,702	1,055	6,456	3,712	6,939	4,767	2,021	1,956	2,354	426	5,449	654	6,526	1,080	924	3,557
Lindi	36,986	50,878	36,729	72,137	68,058	123,015	43,468	34,585	2,289	925	6,327	1,532	8,119	2,457	1,584	4,110
Mtwara	66,121	76,048	66,280	109,131	123,558	185,179	71,447	63,490	1,295	426	2,450	164	3,592	590	489	2,990
Ruvuma	24,693	44,592	15,082	29,776	37,626	74,368	53,612	7,749	11,778	3,383	27,865	4,737	38,692	8,119	4,216	37,523
Iringa	0	.	66	181	66	181	.	277	8,847	1,833	13,203	1,061	19,840	2,894	1,842	8,325
Mbeya	339	160	1,693	1,857	1,806	2,017	138	221	41,847	12,042	80,486	20,418	110,652	32,459	23,103	170,787
Singida	111	88	0	.	111	88	88	3	770	918	1,990	532	2,329	1,450	235	19,805
Tabora	0	.	0	.	0	.	.	-	1,546	310	2,803	129	4,141	439	378	804
Rukwa	0	.	0	.	0	.	.	-	5,266	2,620	2,674	128	7,363	2,747	1,965	15,309
Kigoma	0	.	0	.	0	.	.	-	19,980	5,138	23,906	4,770	41,608	9,908	7,063	46,779
Shinyanga	0	.	0	.	0	.	.	-	2,347	523	1,542	127	3,321	650	623	1,275
Kagera	0	.	0	.	0	.	.	-	46,786	17,041	285,392	101,031	313,849	118,072	69,221	1,093,395
Mwanza	0	.	53	10	53	10	.	27	4,662	2,933	24,647	695	28,216	3,629	746	11,736
Mara	0	.	0	.	0	.	.	-	3,338	952	2,170	394	5,508	1,346	1,184	11,323
Manyara	0	.	316	23	316	23	3	16	1,600	175	3,980	105	5,319	281	132	2,826
MAINLAND	**160,494**	**199,702**	**184,443**	**331,817**	**313,814**	**531,519**	**199,579**	**134,998**	**244,094**	**78,650**	**714,016**	**194,933**	**878,824**	**273,583**	**187,346**	**1,795,231**
North Unguja	0	.	0	.	0	.	.	.	6,297	1,425	5,837	1,228	10,906	2,653	2,284	8,036
South Unguja	0	.	0	.	0	.	.	.	3,596	1,140	8,201	1,602	11,068	2,742	2,307	14,085

5.3.5: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Cashewnut								Banana							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Urban West	0	.	0	.	0	.	.	.	3,674	878	6,405	1,215	9,451	2,093	1,781	10,086
North Pemba	29	6	29	2	58	7	.	1	7,760	1,774	6,165	998	13,421	2,771	2,666	18,430
South Pemba	0	.	0	.	0	.	.	.	11,870	3,464	8,214	2,191	19,295	5,654	4,973	43,702
ZANZIBAR	**29**	**6**	**29**	**2**	**58**	**7**	**0**	**1**	**33,198**	**8,680**	**34,823**	**7,233**	**64,141**	**15,913**	**14,011**	**94,339**
NATIONAL	**160,523**	**199,707**	**184,472**	**331,819**	**313,872**	**531,526**	**199,579**	**134,998**	**277,291**	**87,330**	**748,839**	**202,166**	**942,965**	**289,496**	**201,357**	**1,889,570**

Cont……..

Cont. Table 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Cloves								Other							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Permanent Monocrop (ha)		Area of Permanent Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of Household	Area	Number of Household	Area	Number of Household	Area	Area	tons
Dodoma	0	.	0	.	0	.	.	.	8,656	3229.02	8,656	2058.9	8,656	5287.9	4686.37	6,600
Arusha	0	.	0	.	0	.	.	.	16,504	206.591	16,504	2115.39	16,504	2322	1642.65	7,051
Kilimanjaro	0	.	0	.	0	.	.	.	62,698	1369.74	62,698	6256.61	62,698	7626.4	4375.97	12,026
Tanga	1,611	140	3,421	4,873	3,421	5,012	683	204	96,492	17,606	96,492	36,746	96,492	54,351	34,796	82,054
Morogoro	842	484	842	4956.2	842	5,440	1,088	442	50,123	8,219	50,123	10695.9	50,123	18,915	11,459	38,175
Pwani	0	.	0	.	0	.	.	.	112,304	28362.7	112,304	37785.2	112,304	66148	53513.4	168,449
Dar es Salaam	0	.	0	.	0	.	.	.	22,514	3222.96	22,514	4029.73	22,514	7252.7	5768.21	15,599
Lindi	0	.	0	.	0	.	.	.	33,967	5782.81	33,967	11651.6	33,967	17434	15306.6	23,339
Mtwara	0	.	0	.	0	.	.	.	116,488	31783.7	116,488	28305.2	116,488	60089	48713.1	68,511
Ruvuma	0	.	0	.	0	.	.	.	115,762	36646.8	115,762	29402.6	115,762	66049	49822.5	105,331
Iringa	0	.	0	.	0	.	.	.	36,124	4944.16	36,124	2548.93	36,124	7493.1	5489.15	17,902
Mbeya	0	.	0	.	0	.	.	.	80,371	11602.5	80,371	10999.2	80,371	22602	13884.7	47,674
Singida	0	.	0	.	0	.	.	.	4,557	1473.01	4,557	3237.04	4,557	4710	1196.92	3,453
Tabora	0	.	0	.	0	.	.	.	48,673	18712.5	48,673	4385.86	48,673	23098	18984.5	30,793
Rukwa	0	.	0	.	0	.	.	.	39,622	18274	39,622	4394.35	39,622	22668	18359.7	51,444
Kigoma	0	.	0	.	0	.	.	.	113,919	39030.2	113,919	12985.2	113,919	52015	40705	91,596
Shinyanga	0	.	0	.	0	.	.	.	45,518	16514.2	45,518	2781.11	45,518	19295	16511.4	22,821
Kagera	0	.	0	.	0	.	.	.	350,935	28151.3	350,935	34739.4	350,935	62891	40423.7	169,257
Mwanza	0	.	0	.	0	.	.	.	221,759	50087.9	221,759	57854.4	221,759	107942	91286.3	173,450
Mara	0	.	0	.	0	.	.	.	130,272	77361.4	130,272	18754.1	130,272	96115	90493.4	182,897
Manyara	0	.	0	.	0	.	.	.	9,606	154.414	9,606	602.181	9,606	756.59	301.844	2,424
MAINLAND	**2,454**	**623**	**4,263**	**9,829**	**4,263**	**10,452**	**1,771**	**646**	**1,716,865**	**402,735**	**1,716,865**	**322,329**	**1,716,865**	**725,064**	**567,721**	**1,320,844**
North Unguja	153	20	730	436	730	456	93	136	26,103	5,045	26,103	2,994	26,103	8,038	7,598	21,217
South Unguja	30	4	334	285	334	289	33	32	23,994	1,979	23,994	4,631	23,994	6,609	4,851	17,038
Urban West	94	31	565	261	597	292	58	819	18,871	2,153	18,871	2,406	18,871	4,559	3,800	12,931
North Pemba	1,283	470	1,913	1,563	3,061	2,033	1,130	2,864	31,631	8,551	31,631	4,350	31,631	12,902	12,189	43,791
South Pemba	1,951	858	1,708	1,044	3,418	1,902	1,162	4,157	28,840	7,975	28,840	2,935	28,840	10,911	10,832	41,123
ZANZIBAR	**3,511**	**1,383**	**5,250**	**3,590**	**8,139**	**4,972**	**2,477**	**8,007**	**129,439**	**25,702**	**129,439**	**17,316**	**129,439**	**43,019**	**39,271**	**136,100**
NATIONAL	**5,965**	**2,006**	**9,513**	**13,418**	**12,402**	**15,425**	**4,248**	**8,654**	**1,846,305**	**428,438**	**1,846,305**	**339,645**	**1,846,305**	**768,082**	**606,991**	**1,456,944**

Cont. Table 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Coffee								Mango							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Dodoma	0	.	0	.	0	.	.		776	138	1,616	146	2,023	284	226	896
Arusha	2,506	620	14,567	4,827	15,736	5,447	5,044	7,598	132	3	3,247	278	3,247	281	198	1,067
Kilimanjaro	12,171	3,653	96,474	37,971	104,061	41,624	30,556	16,352	937	109	13,258	1,844	13,474	1,952	762	1,760
Tanga	1,531	234	2,016	422	3,134	656	571	436	4,833	974	15,655	7,195	16,851	8,169	3,620	18,074
Morogoro	576	303	1,013	443	1,292	746	688	156	3,976	725	20,048	2,687	22,859	3,412	1,604	18,847
Pwani	0	.	0	.	0	.	.		2,708	710	17,601	7,109	19,264	7,819	4,525	9,116
Dar es Salaam	0	.	0	.	0	.	.		2,873	418	5,973	1,382	6,876	1,800	1,295	5,557
Lindi	0	.	0	.	0	.	.		552	119	4,914	2,847	5,309	2,966	891	3,852
Mtwara	0	.	0	.	0	.	.		615	91	1,821	349	2,075	440	287	1,116
Ruvuma	21,604	13,096	16,020	17,638	37,005	30,734	18,354	22,640	3,691	1,187	11,700	1,722	14,553	2,909	1,158	19,217
Iringa	1,637	346	1,604	536	3,176	882	684	244	1,201	1,408	3,749	1,068	4,382	2,476	836	1,942
Mbeya	52,244	33,124	34,918	30,169	79,175	63,293	46,245	30,626	3,054	3,331	13,201	2,709	15,371	6,040	379	6,119
Singida	0	.	0	.	0	.	.		880	294	2,403	2,059	2,965	2,354	737	4,245
Tabora	0	.	0	.	0	.	.		2,565	693	5,995	1,027	8,045	1,720	820	10,552
Rukwa	47	19	0	.	47	19	19	1	803	370	2,777	232.744	3,227	603	430	2,092
Kigoma	1,887	784	9,148	3,637	11,035	4,422	2,683	4,090	270	32	505	65	775	97	78	791
Shinyanga	0	.	0	.	0	.	.		7,779	2,524	14,136	1,604	18,318	4,129	2,082	15,134
Kagera	18,729	4,518	215,143	43,431	223,137	47,949	26,840	101,561	6,708	2,257	69,685	6,320	71,304	8,577	3,046	21,478
Mwanza	92	4	553	19.2776	645	23	4	99	3,184	592	39,821	5,298	41,459	5,890	581	37,804
Mara	3,080	1,240	420	16	3,500	1,256	1,255	2,448	171	12	731	21.7321	901	34	12	114
Manyara	0	.	0	.	0	.	.		0	.	2,700	167	2,700	167	5	517
MAINLAND	**116,105**	**57,943**	**391,877**	**139,107**	**481,943**	**197,050**	**132,942**	**186,250**	**47,706**	**15,987**	**251,533**	**46,130**	**275,979**	**62,116**	**23,572**	**180,291**
North Unguja	-	.	-	.	-	.	.		556	85	2,164	441	2,493	526	264	1,241
South Unguja	-	.	-	.	-	.	.		381	45	3,638	955	3,684	1,000	551	4,626
Urban West	-	.	-	.	-	.	.		314	56	1,790	247	1,915	303	182	1,120
North Pemba	-	.	-	.	-	.	.		315	62	1,365	264	1,654	326	224	2,454
South Pemba	-	.	-	.	-	.	.		142	14	497	47	640	61	40	670
ZANZIBAR	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**1,708**	**261**	**9,454**	**1,955**	**10,386**	**2,216**	**1,260**	**10,111**
NATIONAL	**116,105**	**57,943**	**391,877**	**139,107**	**481,943**	**197,050**	**132,942**	-	**49,414**	**16,247**	**260,987**	**48,085**	**286,365**	**64,332**	**24,832**	**190,402**

Cont. Table 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Pigeon pea								Coconut							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Dodoma	22,108	10,594	2,443	2,562	24,329	13,156	13,156	5,994	0	0	0	0	0	0	0	0
Arusha	8,015	2,945	6,681	2,493	14,455	5,438	5,335	3,462	0	.	315	44	315	44	36	61
Kilimanjaro	1,502	306	3,198	1,582	4,450	1,888	699	317	103	41	138	23	190	63	63	45
Tanga	1,714	1,018	754	352	2,348	1,370	1,345	752	11,563	7,615	24,471	20,503	28,085	28,118	14,506	32,195
Morogoro	3,895	1,768	4,966	1,812	8,242	3,581	3,188	1,387	4,728	1,197	15,802	4,365	19,258	5,562	2,665	4,803
Pwani	2,323	1,397	5,730	2,038	8,053	3,435	2,699	757	10,351	7,241	32,025	35,975	38,707	43,215	20,459	30,598
Dar es Salaam	773	77	720	53	1,380	130	105	80	3,326	775	9,300	3,423	10,252	4,198	2,888	7,823
Lindi	17,763	5,340	24,995	10,522	40,405	15,862	13,597	6,903	9,686	13,206	11,190	10,549	19,519	23,755	14,101	21,938
Mtwara	13,609	3,996	13,018	3,709	25,913	7,705	7,452	4,205	4,843	2,614	3,125	972	7,451	3,586	2,448	7,473
Ruvuma	2,713	615	10,198	16,070	12,385	16,685	3,858	1,176	1,416	437	2,719	263	4,003	700	577	512
Iringa	138	19	66	6	204	26	26	9	0	.	109	3	109	3	.	1
Mbeya	191	29	656	33	847	61	61	55	397	302	848	2,179	848	2,481	12	467
Singida	0	.	0	.	0	.	.		0	.	0	.	0	.	.	
Tabora	0	.	0	.	0	.	.		40	8	394	60	434	68	52	21
Rukwa	0	.	0	.	0	.	.		0	.	225	5	225	5	.	0
Kigoma	7,194	1,026	3,847	1,121	10,617	2,147	1,349	534	146	14	0	.	146	14	14	0
Shinyanga	1,048	388	599	216	1,647	604	604	276	0	.	0	.	0	.	.	
Kagera	378	66	1,081	211	1,311	278	102	154	0	.	0	.	0	.	.	
Mwanza	53	10	0	.	53	10	10	1	92	4	276	2	276	6	.	170
Mara	0	.	0	.	0	.	.		0	.	0	.	0	.	.	
Manyara	12,263	6,590	34,057	31,817	46,171	38,407	23,374	18,296	0	.	0	.	0	.	.	
MAINLAND	**95,680**	**36,186**	**113,009**	**74,596**	**202,810**	**110,782**	**76,959**	**44,358**	**46,689**	**33,454**	**100,938**	**78,364**	**129,820**	**111,818**	**57,822**	**106,105**
North Unguja	2,118	470	2,395	723	4,324	1,193	982	395	734	238	3,119	1,673	3,581	1,911	612	2,093
South Unguja	635	89	1,342	287	1,944	376	281	172	549	143	5,422	1,731	5,637	1,875	876	2,590

Cont. Table 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Pigeon pea								Coconut							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Urban West	63	6	157	4	220	10	6	18	471	145	2,920	1,129	3,046	1,274	539	2,473
North Pemba	0	.	0	.	0	.	.		2,843	1,024	4,567	1,368	6,994	2,392	1,923	5,546
South Pemba	0	.	0	.	0	.	.		945	248	1,713	357	2,605	606	453	1,811
ZANZIBAR	**2,816**	**565**	**3,894**	**1,014**	**6,488**	**1,580**	**1,269**	**584**	**5,542**	**1,799**	**17,742**	**6,259**	**21,861**	**8,058**	**4,403**	**14,514**
NATIONAL	**98,496**	**36,751**	**116,903**	**75,611**	**209,299**	**112,362**	**78,228**	**44,942**	**52,232**	**35,252**	**118,680**	**84,623**	**151,681**	**119,876**	**62,225**	**120,619**

Cont……..

Cont. Table 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Orange								Sisal							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Dodoma	222	44	444	93	666	137	133	837	0	.	0	.	0	.	.	.
Arusha	71	28	2,504	183	2,504	211	204	1,296	0	.	119	35	119	35	35	31
Kilimanjaro	0	.	3,094	157	3,094	157	148	171	0	.	0	.	0	.	.	.
Tanga	18,423	13,538	23,580	22,102	31,771	35,640	24,264	61,922	0	.	0	.	0	.	.	.
Morogoro	3,025	855	11,361	3,727	12,469	4,582	2,112	13,349	0	.	0	.	0	.	.	.
Pwani	5,178	1,863	24,134	9,260	27,099	11,123	7,915	44,856	0	.	0	.	0	.	.	.
Dar es Salaam	2,227	433	6,441	1,642	7,069	2,075	1,767	3,998	0	.	0	.	0	.	.	.
Lindi	874	390	5,743	1,565	6,414	1,955	1,129	9,113	0	.	0	.	0	.	.	.
Mtwara	1,483	410	3,721	362	4,583	772	454	6,873	0	.	0	.	0	.	.	.
Ruvuma	1,778	255	5,985	467	7,433	722	352	5,209	0	.	0	.	0	.	.	.
Iringa	450	366	1,812	134	2,190	500	113	734	0	.	0	.	0	.	.	.
Mbeya	79	0	5,116	470	5,195	470	63	3,520	0	.	0	.	0	.	.	.
Singida	0	.	412	1,174	412	1,174	15	348	0	.	0	.	0	.	.	.
Tabora	873	65	2,651	317	3,315	382	320	2,939	0	.	0	.	0	.	.	.
Rukwa	402	175	718	216	943	391	275	522	0	.	0	.	0	.	.	.
Kigoma	0	.	262	66	262	66	26	68	0	.	0	.	0	.	.	.
Shinyanga	4,196	1,022	6,505	679	8,915	1,701	1,025	3,945	0	.	0	.	0	.	.	.
Kagera	1,450	271	13,623	789	14,031	1,061	480	4,700	0	.	0	.	0	.	.	.
Mwanza	514	88	22,575	1,949	22,904	2,037	264	20,656	0	.	0	.	0	.	.	.
Mara	255	68	957	192	1,213	260	69	998	0	.	0	.	0	.	.	.
Manyara	103	5	2,728	153	2,832	158	11	531	0	.	0	.	0	.	.	.
MAINLAND	**41,602**	**19,878**	**144,365**	**45,697**	**165,315**	**65,575**	**41,141**	**186,584**	**0**	**.**	**119**	**35**	**119**	**35**	**35**	31
North Unguja	425	54	2,004	235	2,175	289	183	1,047	0	.	0	.	0	.	.	.
South Unguja	351	121	4,537	1,137	4,675	1,258	664	6,086	0	.	0	.	0	.	.	.
Urban West	345	88	2,167	290	2,355	377	240	2,690	0	.	0	.	0	.	.	.
North Pemba	26	5	187	340	187	345	50	224	0	.	0	.	0	.	.	.
South Pemba	214	24	540	82	754	106	88	892	0	.	0	.	0	.	.	.
ZANZIBAR	**1,361**	**292**	**9,434**	**2,083**	**10,146**	**2,375**	**1,224**	**10,938**	**0**	**.**	**0**	**.**	**0**	**.**	**.**	**.**
NATIONAL	**42,964**	**20,170**	**153,800**	**47,780**	**175,460**	**67,950**	**42,335**	**197,522**	**0**	**.**	**119**	**35**	**119**	**35**	**35**	**31**

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Cont. Table 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Sugar Cane								Palm Oil							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Dodoma	2,672	789	364	85	3,037	874	729	13,167	0	.	0	.	0	.	.	.
Arusha	71	28	207	40	279	69	67	43	0	.	0	.	0	.	.	.
Kilimanjaro	1,579	622	2,322	181	3,310	804	776	7,223	0	.	0	.	0	.	.	.
Tanga	4,094	1,071	4,181	679	7,093	1,750	1,643	17,944	0	.	0	.	0	.	.	.
Morogoro	7,783	11,818	2,353	397	9,679	12,215	11,554	57,896	1,104	149	4,097	393	4,474	542	219	587
Pwani	256	72	526	116	723	188	162	1,201	479	129	3,546	511	3,655	640	485	774
Dar es Salaam	279	47	365	19	502	67	67	565	552	76	918	158	986	234	197	54
Lindi	334	250	494	143	827	393	233	234	0	.	0	.	0	.	.	.
Mtwara	0	.	316	184	316	184	80	1	0	.	0	.	0	.	.	.
Ruvuma	4,956	1,307	1,580	364	6,212	1,671	1,426	15,759	0	.	0	.	0	.	.	.
Iringa	1,813	259	2,144	214	3,414	473	340	4,297	0	.	0	.	0	.	.	.
Mbeya	2,932	922	2,377	474	5,196	1,396	1,168	17,418	1,467	250	20,941	2,212	22,070	2,461	1,004	3,705
Singida	499	194	648	860	1,147	1,055	242	4,511	0	.	0	.	0	.	.	.
Tabora	645	180	0	.	645	180	81	158	1,069	348	1,230	243	1,953	592	408	201
Rukwa	2,070	1,277	545	124	2,568	1,401	1,076	26,826	0	.	1,126	54	1,126	54	.	23
Kigoma	425	63	146	58	571	120	120	22	10,298	7,255	5,996	3,256	15,944	10,512	9,432	6,140
Shinyanga	860	176	134	5	860	181	168	2,057	129	13	270	37.8204	400	51	5	10
Kagera	1,427	411	10,764	360	11,430	770	528	8,759	608	52	8,580	226	8,580	278	70	663
Mwanza	2,354	824	1,899	165	4,253	989	858	6,871	0	.	2,413	47.9097	2,413	47.91	11	61
Mara	387	151	0	.	387	151	151	1,446	0	.	0	.	0	.	.	.
Manyara	474	142	316	9.92215	790	152	142	100	0	.	0	.	0	.	.	.
MAINLAND	**35,909**	**20,604**	**31,681**	**4,479**	**63,238**	**25,083**	**21,614**	**186,500**	**15,707**	**8,272**	**49,118**	**7,139**	**61,601**	**15,411**	**11,830**	**12,217**
North Unguja	133	24	57	14	190	38	36	262	0	.	0	.	0	.	.	.
South Unguja	290	150	231	33	444	183	170	2,176	0	.	0	.	0	.	.	.
Urban West	31	2	63	8	94	9	9	65	0	.	0	.	0	.	.	.
North Pemba	117	63	51	29	168	92	61	668	0	.	0	.	0	.	.	.
South Pemba	112	19	116	12	228	31	31	476	0	.	0	.	0	.	.	.
ZANZIBAR	**683**	**257**	**518**	**96**	**1,124**	**353**	**307**	**3,647**	**0**	**.**	**0**	**.**	**0**	**.**	**.**	**.**
NATIONAL	**36,592**	**20,861**	**32,199**	**4,574**	**64,362**	**25,436**	**21,921**	**190,147**	**15,707**	**8,272**	**49,118**	**7,139**	**61,601**	**15,411**	**11,830**	**12,217**

Cont……..

Cont. Table 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and Region - NATIONAL

Regions	Tea							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Dodoma	0	.	0	.	0	.	.	.
Arusha	0	.	0	.	0	.	.	.
Kilimanjaro	0	.	0	.	0	.	.	.
Tanga	3,885	1,307	1,109	515	4,298	1,823	1,662	9,841
Morogoro	0	.	0	.	0	.	.	.
Pwani	0	.	0	.	0	.	.	.
Dar es Salaam	0	.	0	.	0	.	.	.
Lindi	0	.	0	.	0	.	.	.
Mtwara	0	.	0	.	0	.	.	.
Ruvuma	0	.	0	.	0	.	.	.
Iringa	5,379	2,042	0	.	5,379	2,042	1,985	19,624
Mbeya	3,469	1,394	4,398	1,269	7,664	2,663	2,474	13,886
Singida	0	.	0	.	0	.	.	.
Tabora	0	.	0	.	0	.	.	.
Rukwa	0	.	0	.	0	.	.	.
Kigoma	0	.	0	.	0	.	.	.
Shinyanga	0	.	0	0	0	0	0	0
Kagera	0	.	333	66	333	66	66	194
Mwanza	0	.	0	.	0	.	.	.
Mara	0	.	140	14	140	14	14	-
Manyara	0	.	0	.	0	.	.	.
MAINLAND	**12,734**	**4,744**	**6,100**	**2,052**	**17,933**	**6,796**	**6,388**	**43,588**
North Unguja	0	.	0	.	0	.	.	.
South Unguja	0	.	0	.	0	.	.	.
Urban West	0	.	0	.	0	.	.	.
North Pemba	0	.	0	.	0	.	.	.
South Pemba	0	.	0	.	0	.	.	.
ZANZIBAR	**0**	**.**	**0**	**.**	**0**	**.**	**.**	**.**
NATIONAL	**12,734**	**4,744**	**6,100**	**2,052**	**17,933**	**6,796**	**6,388**	**43,588**

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ACCESS TO EQUIPMENTS

6.1.1 ACCESS TO EQUIPMENT: Number of Agriculture Households that used Agricultural Equipment/Asset by type and Region for 2007/08 agriculture year

Region	Equipment/Asset Name										Total number of Agricultural Households
	Cow		Donkey		Thrasher		Power tiller		Rigder		
	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	38,024	10.6	14,918	4.2	2,214	0.6	1,264	0.4	1,046	0.3	358,969
Arusha	45,584	22.2	33,438	16.3	3,388	1.6	809	0.4	1,038	0.5	205,547
Kilimanjaro	17,442	7.2	3,962	1.6	22,210	9.2	865	0.4	697	0.3	242,708
Tanga	10,180	3.1	1,876	0.6	983	0.3	480	0.1	294	0.1	330,779
Morogoro	4,712	1.6	1,649	0.6	1,490	0.5	1,001	0.3	795	0.3	298,421
Pwani	2,609	1.5	548	0.3	201	0.1	181	0.1	220	0.1	174,523
Dar es Salaam	1,391	4.0	0	0.0	75	0.2	37	0.1	75	0.2	35,160
Lindi	436	0.3	153	0.1	306	0.2	76	0.0	76	0.0	166,898
Mtwara	1,363	0.5	640	0.3	371	0.1	854	0.3	124	0.0	249,373
Ruvuma	2,174	1.0	463	0.2	1,402	0.7	712	0.3	420	0.2	210,281
Iringa	23,438	7.6	3,733	1.2	675	0.2	748	0.2	1,255	0.4	306,629
Mbeya	42,928	9.4	5,225	1.1	2,204	0.5	1,943	0.4	1,886	0.4	454,824
Singida	45,494	21.0	14,750	6.8	554	0.3	535	0.2	1,461	0.7	216,992
Tabora	38,076	13.2	3,501	1.2	681	0.2	445	0.2	6,183	2.1	288,447
Rukwa	19,399	8.6	3,524	1.6	447	0.2	543	0.2	2,416	1.1	226,250
Kigoma	2,362	1.0	212	0.1	666	0.3	0	0.0	425	0.2	225,171
Shinyanga	112,483	23.2	5,194	1.1	397	0.1	1,029	0.2	2,115	0.4	485,212
Kagera	8,714	2.1	582	0.1	1,019	0.3	1,556	0.4	688	0.2	405,910
Mwanza	54,958	13.8	1,653	0.4	566	0.1	657	0.2	2,315	0.6	398,993
Mara	48,746	21.5	7,368	3.2	520	0.2	418	0.2	3,853	1.7	226,731
Manyara	59,168	29.8	19,087	9.6	2,182	1.1	456	0.2	1,145	0.6	198,513
MAINLAND	**579,681**	**10.2**	**122,478**	**2.1**	**42,550**	**0.7**	**14,608**	**0.3**	**28,525**	**0.5**	**5,706,329**
North Unguja	1,202	4.0	51	0.2	139	0.5	145	0.5	25	0.1	30,354
South Unguja	1,658	8.2	91	0.5	16	0.1	16	0.1	61	0.3	20,259
Urban West	1,225	6.6	63	0.3	0	0.0	94	0.5	0	0.0	18,651
North Pemba	1,729	5.3	183	0.6	139	0.4	84	0.3	84	0.3	32,895
South Pemba	2,035	6.8	142	0.5	31	0.1	111	0.4	0	0.0	30,034
ZANZIBAR	**7,849**	**5.9**	**530**	**0.4**	**325**	**0.2**	**451**	**0.3**	**170**	**0.1**	**132,193**
NATIONAL	**587,530**	**10.1**	**123,009**	**2.1**	**42,876**	**0.7**	**15,059**	**0.3**	**28,696**	**0.5**	**5,838,523**

Cont. 6.1.2 ACCESS TO EQUIPMENT: Number of Agricultural Equipment/Asset owned by type and Region for 2007/08 agriculture year

Region	Equipment/Asset Name									
	Cow		Donkey		Thrasher		Power tiller		Rigder	
	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	280,953	10.9	56,640	2.2	14,456	0.6	13,146	0.5	3,699	0.1
Arusha	195,157	11.9	103,630	6.3	14,224	0.9	12,646	0.8	2,067	0.1
Kilimanjaro	43,605	2.6	9,398	0.6	25,662	1.5	7,479	0.4	5,320	0.3
Tanga	53,329	2.9	8,665	0.5	16,774	0.9	6,001	0.3	1,799	0.1
Morogoro	50,909	2.7	7,409	0.4	14,789	0.8	4,053	0.2	3,743	0.2
Pwani	11,874	1.3	6,364	0.7	312	0.0	2,888	0.3	1,879	0.2
Dar es Salaam	5,036	2.8	.	.	857	0.5	75	0.0	75	0.0
Lindi	1,774	0.2	2,787	0.3	7,720	0.9	152	0.0	2,278	0.3
Mtwara	10,785	0.9	7,065	0.6	742	0.1	12,875	1.0	3,723	0.3
Ruvuma	10,187	0.8	7,989	0.6	23,682	1.7	8,137	0.6	9,172	0.7
Iringa	114,586	4.8	13,026	0.5	1,343	0.1	10,579	0.4	4,674	0.2
Mbeya	163,987	5.5	24,885	0.8	30,025	1.0	11,794	0.4	13,881	0.5
Singida	209,654	10.9	40,395	2.1	2,987	0.2	7,221	0.4	6,800	0.4
Tabora	360,375	12.3	21,417	0.7	8,215	0.3	1,851	0.1	13,408	0.5
Rukwa	123,705	6.8	13,641	0.7	8,717	0.5	10,790	0.6	7,197	0.4
Kigoma	13,975	1.2	425	0.0	14,387	1.2	.	.	425	0.0
Shinyanga	823,502	15.2	20,591	0.4	5,284	0.1	10,741	0.2	13,720	0.3
Kagera	67,124	3.1	5,243	0.2	4,704	0.2	13,832	0.6	2,115	0.1
Mwanza	418,523	11.9	10,374	0.3	4,703	0.1	10,940	0.3	3,453	0.1
Mara	338,457	15.2	17,293	0.8	9,595	0.4	5,047	0.2	5,058	0.2
Manyara	286,065	14.7	48,700	2.5	11,399	0.6	2,823	0.1	6,118	0.3
MAINLAND	**3,583,562**	**8**	**425,935**	**1**	**220,575**	**1**	**153,070**	**0**	**110,603**	**0**
North Unguja	4,918	3.9	534	0.4	1,621	1.3	2,879	2.3	763	0.6
South Unguja	6,355	7.7	790	1.0	32	0.0	162	0.2	1,338	1.6
Urban West	4,176	5.8	63	0.1	.	.	754	1.0	.	.
North Pemba	5,404	4.2	831	0.6	1,958	1.5	986	0.8	986	0.8
South Pemba	4,868	3.7	985	0.7	62	0.0	1,592	1.2	.	.
ZANZIBAR	**25,721**	**5**	**3,203**	**1**	**3,674**	**1**	**6,373**	**1**	**3,087**	**1**
NATIONAL	**3,609,282**		**429,139**		**224,249**		**159,443**		**113,690**	

6.2.1 ACCESS TO EQUIPMENT: Number of Agricultural Households that Used Tractors/Draft animals to cultivate Land By Type and Region for 2007/08 agriculture year

	Oxen		Bulls		Cows		Donkeys		Tractor		Power Tiller	
Region	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	106,631	64.3	28,885	17.4	2,530	1.5	10,010	6.0	16,097	9.7	1,736	1.0
Arusha	73,522	56.0	22,226	16.9	3,185	2.4	10,015	7.6	21,399	16.3	952	0.7
Kilimanjaro	13,685	22.3	1,809	3.0	521	0.8	8,299	13.5	35,965	58.7	1,000	1.6
Tanga	2,740	41.2	625	9.4	140	2.1	328	4.9	2,779	41.8	36	0.5
Morogoro	16,654	22.4	1,546	2.1	314	0.4	13,457	18.1	41,012	55.2	1,302	1.8
Pwani	553	31.1	29	1.6	87	4.9	45	2.5	1,019	57.3	45	2.5
Dar es Salaam	298	71.0	37	8.9	0	0.0	42	10.1	42	10.1	0	0.0
Lindi	282	13.2	155	7.2	0	0.0	79	3.7	1,624	75.9	0	0.0
Mtwara	153	16.7	0	0.0	0	0.0	0	0.0	764	83.3	0	0.0
Ruvuma	132	35.2	81	21.8	30	7.9	132	35.2	0	0.0	0	0.0
Iringa	77,894	77.2	11,287	11.2	7,661	7.6	1,541	1.5	2,311	2.3	169	0.2
Mbeya	121,247	81.2	17,400	11.7	3,303	2.2	1,754	1.2	3,778	2.5	1,766	1.2
Singida	100,389	70.6	27,871	19.6	3,871	2.7	8,123	5.7	1,640	1.2	396	0.3
Tabora	119,313	84.9	16,459	11.7	3,481	2.5	1,153	0.8	142	0.1	0	0.0
Rukwa	87,113	92.3	3,943	4.2	2,295	2.4	787	0.8	225	0.2	0	0.0
Kigoma	717	71.0	292	29.0	0	0.0	0	0.0	0	0.0	0	0.0
Shinyanga	248,353	72.8	59,834	17.5	25,722	7.5	3,079	0.9	3,829	1.1	364	0.1
Kagera	7,864	88.3	610	6.9	351	3.9	0	0.0	78	0.9	0	0.0
Mwanza	99,033	79.5	16,682	13.4	7,961	6.4	159	0.1	790	0.6	0	0.0
Mara	65,045	49.9	48,098	36.9	15,684	12.0	1,201	0.9	344	0.3	0	0.0
Manyara	88,635	47.5	49,908	26.8	3,262	1.7	14,004	7.5	30,108	16.1	576	0.3
MAINLAND	**1,230,251**	**66**	**307,779**	**17**	**80,399**	**4**	**74,207**	**4**	**163,946**	**9**	**8,344**	**0**
North Unguja	51	1.3	0	0.0	0	0.0	556	14.4	3,129	81.0	126	3.3
South Unguja	16	0.9	61	3.4	61	3.4	122	6.7	1,459	80.6	91	5.0
Urban West	157	15.2	126	12.1	0	0.0	31	3.0	628	60.6	94	9.1
North Pemba	0	0.0	0	0.0	0	0.0	260	26.2	732	73.8	0	0.0
South Pemba	0	0.0	0	0.0	0	0.0	142	9.8	1,289	88.4	27	1.8
ZANZIBAR	**224**	**2**	**186**	**2**	**61**	**1**	**1,111**	**12**	**7,237**	**79**	**338**	**4**
NATIONAL	**1,230,475**	**65.66**	**307,965**	**16.43**	**80,459**	**4.29**	**75,318**	**4.02**	**171,183**	**9.13**	**8,682**	**0.46**

6.2.2 ACCESS TO EQUIPMENT: Number of Tractors/Draft animals Owned by Type and Region for 2007/08 agriculture year

	Oxen		Bulls		Cows		Donkeys		Tractor		Power Tiller	
Region	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	167,992	38.08	77,346	17.53	159,925	36.25	31,618	7.17	1,478	0.33	2,839	0.64
Arusha	139,236	31.85	63,123	14.44	157,686	36.07	64,080	14.66	10,106	2.31	2,906	0.66
Kilimanjaro	13,315	36.77	3,256	8.99	4,281	11.82	3,387	9.36	9,475	26.17	2,493	6.89
Tanga	5,800	46.75	2,098	16.91	4,265	34.37	103	0.83	140	1.13	.	.
Morogoro	55,773	59.72	4,067	4.35	17,546	18.79	5,636	6.04	5,737	6.14	4,631	4.96
Pwani	511	15.98	90	2.82	132	4.15	45	1.41	156	4.88	2,261	70.75
Dar es Salaam	366	9.56	149	3.89	962	25.13	.	.	42	1.11	2,310	60.31
Lindi	1,307	31.25	1,003	23.98	1,304	31.19	76	1.82	492	11.76	.	.
Mtwara	305	66.67	.	.	.	.	.	.	153	33.33	.	.
Ruvuma	326	28.23	81	7.06	59	5.15	163	14.11	.	.	524	45.45
Iringa	90,094	52.89	20,508	12.04	53,403	31.35	2,675	1.57	268	0.16	3,399	2.00
Mbeya	137,300	49.07	43,303	15.47	85,382	30.51	12,175	4.35	542	0.19	1,128	0.40
Singida	247,712	50.00	66,538	13.43	136,829	27.62	27,044	5.46	1,620	0.33	15,661	3.16
Tabora	368,308	47.76	123,853	16.06	269,219	34.91	8,790	1.14	1,054	0.14	.	.
Rukwa	183,115	58.72	14,690	4.71	77,292	24.79	8,720	2.80	22,720	7.29	5,292	1.70
Kigoma	4,623	81.88	146	2.59	877	15.54	.	.	.	.	.	.
Shinyanga	810,882	47.85	227,401	13.42	632,122	37.30	15,066	0.89	1,501	0.09	7,822	0.46
Kagera	21,616	49.89	3,472	8.01	18,040	41.63	204	0.47	.	.	.	.
Mwanza	341,678	43.53	103,862	13.23	334,197	42.58	4,854	0.62	282	0.04	.	.
Mara	201,571	32.16	152,400	24.31	260,875	41.62	9,116	1.45	2,800	0.45	97	0.02
Manyara	177,393	30.72	131,909	22.85	221,065	38.29	37,938	6.57	8,557	1.48	514	0.09
MAINLAND	**2,969,222**	**43.70**	**1,039,295**	**15.30**	**2,435,461**	**35.84**	**231,690**	**3.41**	**67,123**	**0.99**	**51,877**	**0.76**
North Unguja	76	8.40	337	37	433	48	.	.	.	.	63	7
South Unguja	77	6	365	30	760	63	.	.	.	.	.	.
Urban West	.	.	283	69	94	23	.	.	.	.	31	8
North Pemba	.	.	29	35	55	65	.	.	.	.	.	.
South Pemba	.	.	27	13	62	29	62	29	.	.	62	29
ZANZIBAR	**153**	**5**	**1,040**	**37**	**1,404**	**50**	**62**	**2**	**.**	**.**	**156**	**6**
NATIONAL	**2,969,376**		**1,040,335**		**2,436,865**		**231,752**		**67,123**		**52,033**	

IRRIGATION

6.5.1: IRRIGATION: Number of Agriculture Households reporting use of Irrigation during 2007/08 agricultural Year by region

Region	Households practicing irrigation		Households not practicing irrigation		Total Number of Households	
	Number	%	Number	%	Number	%
Dodoma	8,102	2	350,868	98	358,969	100
Arusha	21,372	10	184,295	90	205,667	100
Kilimanjaro	55,226	23	187,482	77	242,708	100
Tanga	15,801	5	314,978	95	330,779	100
Morogoro	20,403	7	278,019	93	298,421	100
Pwani	4,514	3	170,009	97	174,523	100
Dar es Salaam	4,546	13	30,614	87	35,160	100
Lindi	2,824	2	164,074	98	166,898	100
Mtwara	3,116	1	246,257	99	249,373	100
Ruvuma	18,499	9	191,782	91	210,281	100
Iringa	30,839	10	275,790	90	306,629	100
Mbeya	46,809	10	408,015	90	454,824	100
Singida	9,279	4	207,714	96	216,992	100
Tabora	11,992	4	276,454	96	288,447	100
Rukwa	12,800	6	213,450	94	226,250	100
Kigoma	5,762	3	219,409	97	225,171	100
Shinyanga	13,691	3	471,521	97	485,212	100
Kagera	10,090	2	395,820	98	405,910	100
Mwanza	21,262	5	377,731	95	398,993	100
Mara	5,681	3	221,050	97	226,731	100
Manyara	8,879	4	189,633	96	198,513	100
MAINLAND	331,486	6	5,374,963	94	5,706,449	100
North Unguja	749	2	29,605	98	30,354	100
South Unguja	1,679	8	18,580	92	20,259	100
Urban West	2,072	11	16,579	89	18,651	100
North Pemba	768	2	32,127	98	32,895	100
South Pemba	214	1	29,820	99	30,034	100
ZANZIBAR	5,482	4	126,711	96	132,193	100
NATIONAL	336,967	6	5,501,675	94	5,838,642	100

Table 6.5.2: IRRIGATION: Number of Agriculture Households using irrigation by Source of Irrigation Water by region during the 2007/08 agricultural Year

Region	Main Source of Irrigation Water							
	River	Borehole	Lake	Canal	Dam	Tap Water	Well	Total
Dodoma	2,797	0	0	2,751	0	1,815	0	7,363
Arusha	12,907	71	0	0	119	7,320	596	21,014
Kilimanjaro	30,147	87	826	149	108	22,696	809	54,823
Tanga	8,586	0	781	830	0	5,391	0	15,588
Morogoro	13,640	0	453	1,209	284	2,286	88	17,960
Pwani	2,869	0	289	949	0	0	332	4,440
Dar es Salaam	2,006	0	202	1,659	154	229	297	4,546
Lindi	2,186	0	29	380	0	105	0	2,700
Mtwara	1,385	0	153	1,222	0	277	40	3,076
Ruvuma	12,714	30	236	1,209	207	2,866	0	17,260
Iringa	18,663	0	169	1,301	0	9,924	169	30,226
Mbeya	23,165	0	284	2,065	79	19,306	239	45,138
Singida	2,291	0	0	1,856	309	3,712	216	8,384
Tabora	1,930	0	4,854	4,074	283	142	40	11,323
Rukwa	9,170	94	447	1,426	0	649	0	11,787
Kigoma	4,341	116	0	728	58	187	146	5,575
Shinyanga	1,426	292	5,333	2,599	270	1,733	134	11,788
Kagera	3,624	611	788	1,384	0	1,880	58	8,344
Mwanza	5,531	1,698	2,224	4,853	317	5,048	0	19,672
Mara	2,238	977	255	1,244	140	194	0	5,049
Manyara	4,408	255	158	261	0	1,502	1,143	7,728
MAINLAND	166,025	4,233	17,482	32,150	2,328	87,261	4,306	313,786
North Unguja	178	0	0	210	0	165	57	610
South Unguja	154	0	0	525	488	140	341	1,648
Urban West	973	0	0	471	157	188	157	1,947
North Pemba	281	0	0	58	0	55	51	446
South Pemba	187	0	0	27	0	0	0	214
ZANZIBAR	1,774	0	0	1,291	645	548	606	4,865
NATIONAL	167,799	4,233	17,482	33,441	2,974	87,809	4,912	318,650

Table 6.5.3 IRRIGATION: Number of Agriculture Households by method of used to obtain water and region during 2007/08 agriculture year

Region	Main method of Obtaining Water					
	Gravity	Hand bucket	Hand pump	motor pump	Other	Total
Dodoma	4,360	2,760	116	0	126	7,363
Arusha	20,896	89	0	29	0	21,014
Kilimanjaro	50,680	2,054	743	660	686	54,823
Tanga	12,695	2,150	0	742	0	15,588
Morogoro	14,379	2,719	162	699	0	17,960
Pwani	1,466	2,826	45	103	0	4,440
Dar es Salaam	461	3,306	112	667	0	4,546
Lindi	1,443	1,105	152	0	0	2,700
Mtwara	317	2,342	265	153	0	3,076
Ruvuma	8,084	8,718	222	207	30	17,260
Iringa	17,928	10,216	169	612	1,302	30,226
Mbeya	36,094	7,951	250	521	322	45,138
Singida	5,177	2,833	375	0	0	8,384
Tabora	2,990	7,936	244	153	0	11,323
Rukwa	8,147	2,814	47	271	508	11,787
Kigoma	1,625	3,892	0	58	0	5,575
Shinyanga	2,233	8,694	412	449	0	11,788
Kagera	1,819	5,526	804	102	92	8,344
Mwanza	7,572	11,146	424	402	128	19,672
Mara	527	4,081	150	290	0	5,049
Manyara	5,594	1,720	0	413	0	7,728
MAINLAND	204,489	94,880	4,692	6,531	3,193	313,786
North Unguja	0	496	0	82	32	610
South Unguja	61	939	0	600	49	1,648
Urban West	879	754	31	251	31	1,947
North Pemba	172	248	0	0	0	420
South Pemba	54	107	27	0	27	214
ZANZIBAR	1,165	2,544	58	934	138	4,839
NATIONAL	205,654	97,423	4,750	7,465	3,332	318,625

EROSION CONTROL

6.6.1 EROSION CONTROL: Number of Households with Soil Erosion Problem on their Land By Region

Region	Have any erosion problem on their farming land		Do not have any erosion problem on their farming land		Total	
	Number	%	Number	%	Number	%
Dodoma	84,878	23.6	274,092	76.4	358,969	100.00
Arusha	34,860	16.9	170,807	83.1	205,667	100.00
Kilimanjaro	53,370	22.0	189,338	78.0	242,708	100.00
Tanga	49,441	14.9	281,338	85.1	330,779	100.00
Morogoro	24,483	8.2	273,938	91.8	298,421	100.00
Pwani	3,803	2.2	170,720	97.8	174,523	100.00
Dar es Salaam	1,943	5.5	33,218	94.5	35,160	100.00
Lindi	4,966	3.0	161,932	97.0	166,898	100.00
Mtwara	3,127	1.3	246,246	98.7	249,373	100.00
Ruvuma	18,636	8.9	191,645	91.1	210,281	100.00
Iringa	49,289	16.1	257,340	83.9	306,629	100.00
Mbeya	56,664	12.5	398,160	87.5	454,824	100.00
Singida	41,612	19.2	175,381	80.8	216,992	100.00
Tabora	18,927	6.6	269,519	93.4	288,447	100.00
Rukwa	37,012	16.4	189,238	83.6	226,250	100.00
Kigoma	33,537	14.9	191,634	85.1	225,171	100.00
Shinyanga	60,335	12.4	424,877	87.6	485,212	100.00
Kagera	66,787	16.5	339,123	83.5	405,910	100.00
Mwanza	48,690	12.2	350,303	87.8	398,993	100.00
Mara	30,176	13.3	196,555	86.7	226,731	100.00
Manyara	52,705	26.6	145,807	73.4	198,513	100.00
MAINLAND	**775,239**	**13.6**	**4,931,210**	**86.4**	**5,706,449**	**100.00**
North Unguja	931	3.1	29,423	96.9	30,354	100.00
South Unguja	215	1.1	20,044	98.9	20,259	100.00
Urban West	251	1.3	18,400	98.7	18,651	100.00
North Pemba	2,239	6.8	30,656	93.2	32,895	100.00
South Pemba	689	2.3	29,345	97.7	30,034	100.00
ZANZIBAR	**4,325**	**3.3**	**127,869**	**96.7**	**132,193**	**100.00**
NATIONAL	**779,563**	**13.4**	**5,059,079**	**86.6**	**5,838,642**	**100.00**

6.6.2 EROSION CONTROL: Number of Households with Erosion Control/Water Harvesting Facilities on their Land By Region

Region	Presence of Erosion Control/Water Harvesting Facilities					
	Have any erosion control/water harvesting facilities		Do not have have any erosion control/water harvesting facilities		Total	
	Number	%	Number	%	Number	%
Dodoma	57,028	16	301,942	84	358,969	100
Arusha	30,841	15	174,826	85	205,667	100
Kilimanjaro	54,859	23	187,849	77	242,708	100
Tanga	27,417	8	303,362	92	330,779	100
Morogoro	12,702	4	285,719	96	298,421	100
Pwani	1,428	1	173,095	99	174,523	100
Dar es Salaam	1,196	3	33,964	97	35,160	100
Lindi	1,355	1	165,543	99	166,898	100
Mtwara	1,942	1	247,431	99	249,373	100
Ruvuma	10,706	5	199,575	95	210,281	100
Iringa	45,035	15	261,594	85	306,629	100
Mbeya	43,708	10	411,116	90	454,824	100
Singida	28,586	13	188,406	87	216,992	100
Tabora	10,176	4	278,271	96	288,447	100
Rukwa	22,192	10	204,058	90	226,250	100
Kigoma	17,631	8	207,540	92	225,171	100
Shinyanga	24,782	5	460,429	95	485,212	100
Kagera	40,993	10	364,917	90	405,910	100
Mwanza	34,715	9	364,278	91	398,993	100
Mara	16,875	7	209,856	93	226,731	100
Manyara	43,227	22	155,285	78	198,513	100
MAINLAND	**527,392**	**9**	**5,179,057**	**91**	**5,706,449**	**100**
North Unguja	222	1	30,132	99	30,354	100
South Unguja	91	0	20,168	100	20,259	100
Urban West	314	2	18,337	98	18,651	100
North Pemba	428	1	32,467	99	32,895	100
South Pemba	116	0	29,919	100	30,034	100
ZANZIBAR	**1,170**	**1**	**131,023**	**99**	**132,193**	**100**
NATIONAL	**528,562**	**9**	**5,310,080**	**91**	**5,838,642**	**100**

AGRICULTURE CREDIT

7.5 AGRICULTURE CREDIT: Number of Households receiving Credits by Main Source of credit B and region During the 2007/08 Agriculture Year

Region	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Trader/trade store		Private individual		NGO/Devlopment Project		Other		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	656	48.5	0	0.0	0	0.0	349	25.8	0	0.0	126	9.3	222	16.4	0	0	1,353	100
Arusha	211	29.7	499	70.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	711	100
Kilimanjaro	212	48.8	52	11.9	0	0.0	108	24.9	63	14.4	0	0.0	0	0.0	0	0	434	100
Tanga	56	8.3	353	52.6	0	0.0	159	23.7	0	0.0	0	0.0	103	15.4	0	0	671	100
Morogoro	88	6.0	348	23.8	0	0.0	585	40.1	175	12.0	88	6.0	175	12.0	0	0	1,459	100
Pwani	45	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	45	100
Dar es Salaam	37	10.0	222	59.9	0	0.0	37	10.0	0	0.0	0	0.0	75	20.1	0	0	371	100
Lindi	0	0.0	105	27.5	124	32.4	153	40.1	0	0.0	0	0.0	0	0.0	0	0	382	100
Mtwara	0	0.0	0	0.0	40	10.4	0	0.0	102	26.7	0	0.0	240	62.9	0	0	382	100
Ruvuma	381	33.5	87	7.7	169	14.8	207	18.1	207	18.1	0	0.0	87	7.7	0	0	1,138	100
Iringa	199	9.5	285	13.6	40	1.9	662	31.7	398	19.1	464	22.2	40	1.9	0	0	2,087	100
Mbeya	351	6.9	603	11.8	2,999	58.7	720	14.1	0	0.0	277	5.4	159	3.1	0	0	5,108	100
Singida	206	66.7	0	0.0	0	0.0	0	0.0	0	0.0	103	33.3	0	0.0	0	0	309	100
Tabora	317	5.8	276	5.0	4,551	82.6	126	2.3	0	0.0	56	1.0	181	3.3	0	0	5,507	100
Rukwa	224	13.1	335	19.6	0	0.0	400	23.4	176	10.3	400	23.4	176	10.3	0	0	1,711	100
Kigoma	212	13.4	146	9.3	439	27.8	212	13.4	146	9.3	0	0.0	425	26.9	0	0	1,580	100
Shinyanga	1,793	26.2	1,288	18.8	1,666	24.4	940	13.7	512	7.5	100	1.5	270	4.0	270	4	6,841	100
Kagera	325	41.2	204	25.9	78	10.0	0	0.0	78	10.0	0	0.0	102	12.9	0	0	788	100
Mwanza	1,851	30.4	464	7.6	53	0.9	1,707	28.0	850	13.9	740	12.1	428	7.0	0	0	6,094	100
Mara	85	11.4	0	0.0	0	0.0	140	18.9	366	49.4	150	20.3	0	0.0	0	0	741	100
Manyara	178	10.4	790	46.3	155	9.1	0	0.0	255	15.0	0	0.0	327	19.2	0	0	1,705	100
MAINLAND	**7,427**	**18.8**	**6,057**	**15.4**	**10,313**	**26.2**	**6,505**	**16.5**	**3,328**	**8.4**	**2,504**	**6.4**	**3,012**	**7.6**	**270**	**1**	**39,417**	**100**
North Unguja	82	14.9	120	21.8	0	0.0	57	10.3	190	34.5	102	18.5	0	0.0	0	0	551	100
South Unguja	61	78.9	16	21.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	77	100
Urban West	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0
North Pemba	55	65.2	29	34.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	0.0
South Pemba	54	48.1	31	27.8	27	24.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0	111	100
ZANZIBAR	**252**	**30.5**	**196**	**23.8**	**27**	**3.3**	**57**	**6.9**	**190**	**23.1**	**102**	**12.4**	**0**	**0.0**	**0**	**0**	**824**	**100**
NATIONAL	**7,679**	**19.1**	**6,254**	**15.5**	**10,340**	**25.7**	**6,562**	**16.3**	**3,519**	**8.7**	**2,606**	**6.5**	**3,012**	**7.5**	**270**	**1**	**40,241**	**100**

7.6 AGRICULTURE CREDIT: Number of Households receiving Credits by Main Source of credit C and region During the 2007/08 Agriculture Year

Region	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Trader/trade store		Private individual		NGO/Devlopment Project		Other		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Dodoma	617	45.5	142	10.5	0	0.0	222	16.4	154	11.4	0	0.0	222	16.4	0	0	1,358	100
Arusha	237	23.4	656	64.6	0	0.0	0	0.0	0	0.0	122	12.0	0	0.0	0	0	1,016	100
Kilimanjaro	423	42.2	408	40.7	108	10.8	0	0.0	0	0.0	0	0.0	0	0.0	63	6	1,001	100
Tanga	316	37.3	485	57.3	45	5.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0	847	100
Morogoro	439	33.5	284	21.7	0	0.0	208	15.9	88	6.7	289	22.1	0	0.0	0	0	1,308	100
Pwani	87	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	87	100
Dar es Salaam	0	0.0	254	68.5	37	10.0	0	0.0	0	0.0	42	11.4	37	10.0	0	0	371	100
Lindi	0	0.0	124	24.5	124	24.5	124	24.5	0	0.0	0	0.0	134	26.5	0	0	506	100
Mtwara	0	0.0	214	43.3	124	25.1	116	23.5	40	8.0	0	0.0	0	0.0	0	0	494	100
Ruvuma	0	0.0	0	0.0	256	####	0	0.0	0	0.0	0	0.0	0	0.0	0	0	256	100
Iringa	487	20.3	528	21.9	159	6.6	225	9.3	278	11.6	503	20.9	159	6.6	66	3	2,407	100
Mbeya	116	2.6	1,235	27.3	2,785	61.5	126	2.8	113	2.5	0	0.0	0	0.0	151	3	4,527	100
Singida	206	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	206	100
Tabora	40	0.8	446	8.5	3,173	60.3	56	1.1	153	2.9	1,336	25.4	56	1.1	0	0	5,258	100
Rukwa	384	23.3	400	24.3	0	0.0	0	0.0	288	17.5	176	10.7	353	21.4	47	3	1,648	100
Kigoma	0	0.0	0	0.0	146	9.3	359	22.7	0	0.0	439	27.8	637	40.3	0	0	1,580	100
Shinyanga	1,425	19.3	1,731	23.4	0	0.0	1,172	15.9	270	3.7	119	1.6	2,663	36.1	0	0	7,381	100
Kagera	0	0.0	296	53.4	78	14.1	0	0.0	0	0.0	78	14.1	102	18.4	0	0	555	100
Mwanza	899	17.3	212	4.1	349	6.7	501	9.6	318	6.1	2,922	56.2	0	0.0	0	0	5,201	100
Mara	182	21.7	0	0.0	140	16.7	0	0.0	150	17.9	86	10.3	280	33.4	0	0	838	100
Manyara	336	20.6	75	4.6	373	22.9	75	4.6	255	15.7	413	25.4	103	6.3	0	0	1,630	100
MAINLAND	6,195	16.1	7,489	19.5	7,899	20.5	3,184	8.3	2,108	5.5	6,526	17.0	4,747	12.3	327	1	38,475	100
North Unguja	165	36.7	183	40.7	0	0.0	0	0.0	25	5.7	76	17.0	0	0.0	0	0	450	100
South Unguja	16	13.1	16	13.1	61	49.2	0	0.0	0	0.0	30	24.6	0	0.0	0	0	124	100
Urban West	0	0.0	31	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	31	100
North Pemba	0	0.0	58	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	58	100

7.6 AGRICULTURE CREDIT: Number of Households receiving Credits by Main Source of credit C and region During the 2007/08 Agriculture Year

Region	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Trader/trade store		Private individual		NGO/Devlopment Project		Other		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
South Pemba	27	50.0	27	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	54	100
ZANZIBAR	**208**	**29.0**	**316**	**44.1**	**61**	**8.5**	**0**	**0.0**	**25**	**3.6**	**107**	**14.9**	**0**	**0.0**	**0**	**0**	**717**	**100**
NATIONAL	**6,403**	**16.3**	**7,805**	**19.9**	**7,960**	**20.3**	**3,184**	**8.1**	**2,134**	**5.4**	**6,633**	**16.9**	**4,747**	**12.1**	**327**	**1**	**39,192**	**100**

7.7: Provision of credit A by sex and region During the 2007/08 Agriculture Year

Region	Male		Female		Total	
	Number	%	Number	%	Number	%
Dodoma	4,592	77	1,361	23	5,953	100
Arusha	2,275	61	1,459	39	3,734	100
Kilimanjaro	2,791	74	997	26	3,788	100
Tanga	957	64	542	36	1,499	100
Morogoro	3,270	80	835	20	4,105	100
Pwani	428	65	235	35	663	100
Dar es Salaam	248	40	370	60	618	100
Lindi	1,135	78	323	22	1,459	100
Mtwara	1,739	85	309	15	2,048	100
Ruvuma	4,999	70	2,173	30	7,172	100
Iringa	5,868	73	2,208	27	8,076	100
Mbeya	12,747	77	3,766	23	16,513	100
Singida	1,923	86	309	14	2,232	100
Tabora	24,350	92	2,188	8	26,537	100
Rukwa	6,187	85	1,090	15	7,277	100
Kigoma	3,124	71	1,303	29	4,427	100
Shinyanga	10,833	83	2,144	17	12,977	100
Kagera	3,696	64	2,081	36	5,777	100
Mwanza	8,850	75	2,992	25	11,842	100
Mara	1,943	84	376	16	2,319	100
Manyara	3,832	69	1,719	31	5,551	100
MAINLAND	**105,787**	**79**	**28,778**	**21**	**134,565**	**100**
North Unguja	830	64	474	36	1,304	100
South Unguja	264	65	142	35	406	100
Urban West	283	53	251	47	534	100
North Pemba	128	49	135	51	263	100
South Pemba	107	67	54	33	161	100
ZANZIBAR	**1,612**	**60**	**1,056**	**40**	**2,667**	**100**
NATIONAL	**107,399**	**78**	**29,834**	**22**	**137,232**	**100**

7.8 : Provision of credit B by sex and region During the 2007/08 Agriculture Year

Region	Male		Female		Total	
	Number	%	Number	%	Number	%
Dodoma	1,045	71	434	29	1,478	100
Arusha	119	18	530	82	649	100
Kilimanjaro	263	61	171	39	434	100
Tanga	260	42	355	58	615	100
Morogoro	1,093	77	320	23	1,413	100
Pwani	0	0	45	100	45	100
Dar es Salaam	217	53	191	47	409	100
Lindi	382	100	0	0	382	100
Mtwara	342	90	40	10	382	100
Ruvuma	926	76	294	24	1,219	100
Iringa	1,106	53	981	47	2,087	100
Mbeya	4,060	83	811	17	4,871	100
Singida	103	27	283	73	386	100
Tabora	4,897	93	362	7	5,259	100
Rukwa	1,441	87	223	13	1,664	100
Kigoma	1,222	68	571	32	1,793	100
Shinyanga	5,060	74	1,738	26	6,797	100
Kagera	282	36	505	64	788	100
Mwanza	3,470	56	2,742	44	6,212	100
Mara	311	42	430	58	741	100
Manyara	991	61	640	39	1,630	100
MAINLAND	**27,590**	**70**	**11,665**	**30**	**39,254**	**100**
North Unguja	318	58	234	42	551	100
South Unguja	0	0	77	100	77	100
Urban West	0	0	0	0	0	0
North Pemba	55	50	55	50	110	100
South Pemba	80	100	0	0	80	100
ZANZIBAR	**453**	**55**	**366**	**45**	**818**	**100**
NATIONAL	**28,042**	**70**	**12,030**	**30**	**40,073**	**100**

7.8 : Provision of credit B by sex and region During the 2007/08 Agriculture Year

Region	Male		Female		Total	
	Number	%	Number	%	Number	%
Dodoma	1,045	71	434	29	1,478	100
Arusha	119	18	530	82	649	100
Kilimanjaro	263	61	171	39	434	100
Tanga	260	42	355	58	615	100
Morogoro	1,093	77	320	23	1,413	100
Pwani	0	0	45	100	45	100
Dar es Salaam	217	53	191	47	409	100
Lindi	382	100	0	0	382	100
Mtwara	342	90	40	10	382	100
Ruvuma	926	76	294	24	1,219	100
Iringa	1,106	53	981	47	2,087	100
Mbeya	4,060	83	811	17	4,871	100
Singida	103	27	283	73	386	100
Tabora	4,897	93	362	7	5,259	100
Rukwa	1,441	87	223	13	1,664	100
Kigoma	1,222	68	571	32	1,793	100
Shinyanga	5,060	74	1,738	26	6,797	100
Kagera	282	36	505	64	788	100
Mwanza	3,470	56	2,742	44	6,212	100
Mara	311	42	430	58	741	100
Manyara	991	61	640	39	1,630	100
MAINLAND	**27,590**	**70**	**11,665**	**30**	**39,254**	**100**
North Unguja	318	58	234	42	551	100
South Unguja	0	0	77	100	77	100
Urban West	0	0	0	0	0	0
North Pemba	55	50	55	50	110	100
South Pemba	80	100	0	0	80	100
ZANZIBAR	**453**	**55**	**366**	**45**	**818**	**100**
NATIONAL	**28,042**	**70**	**12,030**	**30**	**40,073**	**100**

7.9 : Provision of credit C by sex and region During the 2007/08 Agriculture Year

Region	Male		Female		Total	
		%	Number	%	Number	%
Dodoma	666	61	434	39	1,100	100
Arusha	209	27	574	73	782	100
Kilimanjaro	382	69	171	31	553	100
Tanga	557	65	305	35	862	100
Morogoro	927	67	464	33	1,391	100
Pwani	0	0	154	100	154	100
Dar es Salaam	105	32	229	68	334	100
Lindi	382	100	0	0	382	100
Mtwara	342	43	447	57	789	100
Ruvuma	375	56	294	44	669	100
Iringa	848	43	1,143	57	1,990	100
Mbeya	3,359	81	771	19	4,130	100
Singida	319	49	338	51	657	100
Tabora	4,382	88	570	12	4,952	100
Rukwa	1,376	92	112	8	1,488	100
Kigoma	1,009	56	783	44	1,793	100
Shinyanga	5,714	82	1,246	18	6,960	100
Kagera	78	18	364	82	443	100
Mwanza	3,363	62	2,040	38	5,403	100
Mara	395	48	430	52	826	100
Manyara	1,223	72	482	28	1,705	100
MAINLAND	**25,948**	**70**	**11,350**	**30**	**37,298**	**100**
North Unguja	393	65	208	35	601	100
South Unguja	61	79	16	21	77	100
Urban West	0	0	0	0	0	0
North Pemba	84	59	58	41	142	100
South Pemba	54	32	116	68	169	100
ZANZIBAR	**591**	**60**	**399**	**40**	**990**	**100**
NATIONAL	**26,539**	**69**	**11,748**	**31**	**38,287**	**100**

CROP EXTENSION

8.5 CROP EXTENSION: Number of households receiving extension advice on Spacing by region during the 2007/08 agriculture year

`	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	270,747	90.2	4,579	1.5	368	0.1	1,150	0.4	13,222	4.4	9,430	3.1	587	0.2	300,082
Arusha	107,932	90.4	3,534	3.0	687	0.6	986	0.8	1,742	1.5	4,308	3.6	254	0.2	119,443
Kilimanjaro	151,031	87.9	3,071	1.8	429	0.2	935	0.5	5,947	3.5	10,107	5.9	388	0.2	171,909
Tanga	175,586	87.8	1,881	0.9	643	0.3	1,645	0.8	5,081	2.5	14,614	7.3	551	0.3	200,001
Morogoro	124,956	81.0	4,692	3.0	35	0.0	1,213	0.8	9,357	6.1	13,492	8.7	493	0.3	154,238
Pwani	87,874	86.0	917	0.9	58	0.1	1,321	1.3	4,836	4.7	6,788	6.6	388	0.4	102,182
Dar es Salaam	16,347	80.4	391	1.9	42	0.2	424	2.1	843	4.1	2,202	10.8	80	0.4	20,328
Lindi	43,073	77.5	413	0.7	0	0.0	306	0.6	2,938	5.3	8,672	15.6	170	0.3	55,573
Mtwara	93,934	81.4	1,351	1.2	338	0.3	1,055	0.9	5,360	4.6	13,391	11.6	0	0.0	115,430
Ruvuma	71,053	76.1	1,896	2.0	1,736	1.9	2,758	3.0	6,834	7.3	8,760	9.4	326	0.3	93,364
Iringa	192,430	88.2	4,841	2.2	313	0.1	1,392	0.6	3,888	1.8	15,114	6.9	278	0.1	218,256
Mbeya	218,096	76.4	6,179	2.2	2,033	0.7	5,099	1.8	11,982	4.2	39,652	13.9	2,261	0.8	285,303
Singida	105,893	93.1	1,308	1.1	206	0.2	525	0.5	1,478	1.3	4,192	3.7	180	0.2	113,782
Tabora	119,746	79.8	13,177	8.8	5,340	3.6	1,937	1.3	4,856	3.2	3,147	2.1	1,785	1.2	149,988
Rukwa	58,928	70.4	6,540	7.8	1,764	2.1	1,816	2.2	5,817	6.9	8,472	10.1	400	0.5	83,737
Kigoma	105,141	87.1	7,097	5.9	731	0.6	0	0.0	1,514	1.3	6,047	5.0	212	0.2	120,742
Shinyanga	272,740	90.1	8,196	2.7	1,240	0.4	2,594	0.9	9,541	3.2	7,819	2.6	607	0.2	302,737
Kagera	131,148	79.7	9,251	5.6	299	0.2	927	0.6	8,689	5.3	13,682	8.3	629	0.4	164,625
Mwanza	138,005	88.4	3,895	2.5	1,201	0.8	1,165	0.7	3,709	2.4	7,705	4.9	458	0.3	156,139
Mara	115,356	87.9	5,121	3.9	97	0.1	1,055	0.8	6,121	4.7	3,141	2.4	343	0.3	131,233
Manyara	129,488	94.3	1,887	1.4	632	0.5	491	0.4	2,039	1.5	2,692	2.0	149	0.1	137,377
Mainland	**2,729,505**	**85.4**	**90,217**	**2.8**	**18,192**	**0.6**	**28,794**	**0.9**	**115,797**	**3.6**	**203,427**	**6.4**	**10,536**	**0.3**	**3,196,468**
North Unguja	4,477	53.1	348	4.1	382	4.5	1,028	12.2	1,003	11.9	1,192	14.1	0	0.0	8,430
South Unguja	2,665	46.0	588	10.1	367	6.3	752	13.0	270	4.7	1,154	19.9	0	0.0	5,795
Urban West	2,104	28.6	816	11.1	157	2.1	628	8.5	2,072	28.2	1,539	20.9	31	0.4	7,347
North Pemba	1,748	56.7	347	11.3	292	9.5	84	2.7	88	2.8	526	17.1	0	0.0	3,085
South Pemba	3,137	73.5	182	4.3	0	0.0	93	2.2	625	14.6	201	4.7	31	0.7	4,269
Zanzibar	**14,130**	**48.8**	**2,281**	**7.9**	**1,198**	**4.1**	**2,585**	**8.9**	**4,058**	**14.0**	**4,612**	**15.9**	**62**	**0.2**	**28,927**
National	**2,743,635**	**85.1**	**92,498**	**2.9**	**19,390**	**0.6**	**31,379**	**1.0**	**119,855**	**3.7**	**208,039**	**6.5**	**10,598**	**0.3**	**3,225,394**

8.6 CROP EXTENSION: Number of households receiving extension advice on Use of Agrochemicals by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	147,775	83.4	6,207	3.5	358	0.2	881	0.5	14,430	8.1	7,309	4.1	125	0.1	177,086
Arusha	73,710	90.1	2,972	3.6	509	0.6	1,043	1.3	891	1.1	2,381	2.9	299	0.4	81,804
Kilimanjaro	132,345	86.3	3,936	2.6	1,567	1.0	674	0.4	7,004	4.6	7,141	4.7	599	0.4	153,267
Tanga	72,846	85.6	2,796	3.3	467	0.5	565	0.7	3,395	4.0	5,038	5.9	0	0.0	85,107
Morogoro	70,948	70.4	3,337	3.3	576	0.6	1,066	1.1	9,408	9.3	14,583	14.5	879	0.9	100,797
Pwani	61,569	85.7	1,648	2.3	1,396	1.9	537	0.7	3,814	5.3	2,858	4.0	58	0.1	71,880
Dar es Salaam	12,903	79.5	581	3.6	42	0.3	376	2.3	840	5.2	1,362	8.4	117	0.7	16,222
Lindi	24,906	71.0	684	1.9	611	1.7	466	1.3	2,661	7.6	5,686	16.2	76	0.2	35,091
Mtwara	71,056	76.7	1,866	2.0	1,557	1.7	1,627	1.8	4,431	4.8	12,029	13.0	112	0.1	92,678
Ruvuma	43,267	67.9	3,002	4.7	2,773	4.4	2,384	3.7	6,279	9.8	5,512	8.6	538	0.8	63,755
Iringa	146,771	85.3	5,629	3.3	0	0.0	948	0.6	4,627	2.7	13,586	7.9	548	0.3	172,109
Mbeya	156,746	74.0	9,221	4.4	2,822	1.3	4,389	2.1	10,023	4.7	27,013	12.8	1,593	0.8	211,807
Singida	67,341	94.1	638	0.9	103	0.1	103	0.1	1,153	1.6	1,968	2.7	283	0.4	71,588
Tabora	78,029	68.1	14,985	13.1	7,643	6.7	2,124	1.9	6,093	5.3	4,075	3.6	1,546	1.4	114,496
Rukwa	41,271	67.7	6,014	9.9	1,940	3.2	1,239	2.0	4,698	7.7	4,919	8.1	908	1.5	60,991
Kigoma	60,560	85.8	5,103	7.2	1,397	2.0	212	0.3	1,316	1.9	2,023	2.9	0	0.0	70,611
Shinyanga	219,043	88.8	9,498	3.9	468	0.2	2,313	0.9	8,221	3.3	6,445	2.6	600	0.2	246,588
Kagera	74,408	77.3	7,915	8.2	515	0.5	415	0.4	6,453	6.7	5,998	6.2	527	0.5	96,230
Mwanza	86,199	87.1	3,376	3.4	701	0.7	563	0.6	3,706	3.7	4,131	4.2	317	0.3	98,993
Mara	58,288	83.4	5,625	8.0	290	0.4	183	0.3	3,091	4.4	1,642	2.3	787	1.1	69,906
Manyara	84,227	89.1	1,774	1.9	847	0.9	313	0.3	2,428	2.6	4,888	5.2	57	0.1	94,534
Mainland	**1,784,209**	**81.6**	**96,807**	**4.4**	**26,585**	**1.2**	**22,420**	**1.0**	**104,963**	**4.8**	**140,588**	**6.4**	**9,968**	**0.5**	**2,185,540**
North Unguja	3,662	57.3	259	4.1	382	6.0	514	8.0	882	13.8	691	10.8	0	0.0	6,390
South Unguja	1,662	58.5	353	12.4	30	1.1	308	10.8	107	3.8	382	13.4	0	0.0	2,843
Urban West	1,382	30.6	471	10.4	220	4.9	471	10.4	1,601	35.4	377	8.3	0	0.0	4,522
North Pemba	1,229	75.2	157	9.6	0	0.0	0	0.0	88	5.4	161	9.8	0	0.0	1,635
South Pemba	1,811	68.2	58	2.2	0	0.0	71	2.7	598	22.5	116	4.4	0	0.0	2,653
Zanzibar	**9,745**	**54.0**	**1,298**	**7.2**	**632**	**3.5**	**1,364**	**7.6**	**3,277**	**18.2**	**1,726**	**9.6**	**0**	**0.0**	**18,042**
National	**1,793,954**	**81.4**	**98,105**	**4.5**	**27,217**	**1.2**	**23,785**	**1.1**	**108,239**	**4.9**	**142,314**	**6.5**	**9,968**	**0.5**	**2,203,582**

8.7 CROP EXTENSION: Number of households receiving extensionadvice on Erosion Control by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	156,588	82.9	8,190	4.3	0	0.0	1,253	0.7	12,248	6.5	10,157	5.4	536	0.3	188,973
Arusha	76,686	85.9	7,575	8.5	446	0.5	619	0.7	1,349	1.5	2,548	2.9	43	0.0	89,265
Kilimanjaro	101,669	84.6	3,597	3.0	912	0.8	1,137	0.9	5,406	4.5	6,873	5.7	650	0.5	120,243
Tanga	66,909	82.7	4,544	5.6	751	0.9	474	0.6	3,650	4.5	4,431	5.5	103	0.1	80,861
Morogoro	31,642	62.9	5,387	10.7	1,147	2.3	461	0.9	5,336	10.6	5,773	11.5	585	1.2	50,331
Pwani	38,347	86.9	1,040	2.4	224	0.5	454	1.0	3,082	7.0	863	2.0	103	0.2	44,113
Dar es Salaam	8,610	80.7	386	3.6	80	0.7	105	1.0	789	7.4	653	6.1	42	0.4	10,665
Lindi	7,257	75.5	168	1.8	0	0.0	79	0.8	1,190	12.4	922	9.6	0	0.0	9,616
Mtwara	30,794	77.5	2,678	6.7	476	1.2	700	1.8	2,417	6.1	2,562	6.4	116	0.3	39,744
Ruvuma	29,075	67.0	2,953	6.8	1,136	2.6	2,327	5.4	5,246	12.1	2,428	5.6	199	0.5	43,365
Iringa	120,973	86.2	6,721	4.8	106	0.1	1,849	1.3	3,056	2.2	7,314	5.2	298	0.2	140,316
Mbeya	108,127	78.3	3,829	2.8	1,102	0.8	2,001	1.4	7,512	5.4	13,850	10.0	1,678	1.2	138,100
Singida	70,070	90.5	591	0.8	386	0.5	158	0.2	1,004	1.3	4,707	6.1	499	0.6	77,415
Tabora	42,724	62.3	6,180	9.0	5,284	7.7	3,633	5.3	5,665	8.3	3,992	5.8	1,118	1.6	68,596
Rukwa	32,222	73.9	2,735	6.3	176	0.4	1,068	2.5	4,683	10.7	2,334	5.4	382	0.9	43,601
Kigoma	50,129	82.0	6,242	10.2	479	0.8	373	0.6	2,526	4.1	1,383	2.3	0	0.0	61,132
Shinyanga	138,381	88.3	5,165	3.3	620	0.4	1,939	1.2	5,836	3.7	2,908	1.9	1,897	1.2	156,745
Kagera	84,996	73.6	10,171	8.8	299	0.3	1,058	0.9	7,832	6.8	10,488	9.1	655	0.6	115,499
Mwanza	76,317	83.3	5,075	5.5	159	0.2	1,704	1.9	4,147	4.5	3,982	4.3	251	0.3	91,635
Mara	50,706	76.8	10,623	16.1	355	0.5	495	0.7	2,768	4.2	569	0.9	472	0.7	65,987
Manyara	100,872	90.3	2,784	2.5	1,042	0.9	261	0.2	1,589	1.4	5,199	4.7	0	0.0	111,747
Mainland	**1,423,096**	**81.4**	**96,634**	**5.5**	**15,179**	**0.9**	**22,150**	**1.3**	**87,330**	**5.0**	**93,935**	**5.4**	**9,627**	**0.6**	**1,747,950**
North Unguja	1,503	49.2	145	4.8	280	9.2	349	11.4	496	16.2	280	9.2	0	0.0	3,053
South Unguja	716	52.5	184	13.5	30	2.2	154	11.3	170	12.5	107	7.9	0	0.0	1,363
Urban West	1,225	31.2	377	9.6	126	3.2	126	3.2	1,570	40.0	502	12.8	0	0.0	3,925
North Pemba	538	63.7	80	9.5	0	0.0	84	10.0	29	3.5	113	13.4	0	0.0	844
South Pemba	657	56.2	27	2.3	31	2.7	138	11.8	250	21.4	67	5.7	0	0.0	1,169
Zanzibar	**4,637**	**44.8**	**814**	**7.9**	**467**	**4.5**	**851**	**8.2**	**2,515**	**24.3**	**1,070**	**10.3**	**0**	**0.0**	**10,354**
National	**1,427,733**	**81.2**	**97,448**	**5.5**	**15,646**	**0.9**	**23,001**	**1.3**	**89,845**	**5.1**	**95,004**	**5.4**	**9,627**	**0.5**	**1,758,304**

8.8 CROP EXTENSION: Number of households receiving extension advice on Organic Fertlizer use by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	220,589	87.2	5,265	2.1	474	0.2	3,018	1.2	9,851	3.9	12,511	4.9	1,220	0.5	252,928
Arusha	78,408	78.9	8,304	8.4	428	0.4	1,606	1.6	3,176	3.2	7,449	7.5	43	0.0	99,414
Kilimanjaro	126,881	82.1	3,668	2.4	746	0.5	1,569	1.0	8,152	5.3	11,997	7.8	1,451	0.9	154,464
Tanga	86,013	79.4	4,389	4.1	594	0.5	855	0.8	4,295	4.0	11,860	11.0	271	0.2	108,275
Morogoro	43,041	65.9	7,105	10.9	0	0.0	641	1.0	6,942	10.6	7,317	11.2	297	0.5	65,342
Pwani	50,118	84.2	1,712	2.9	58	0.1	1,151	1.9	4,051	6.8	2,280	3.8	166	0.3	59,535
Dar es Salaam	12,753	70.6	649	3.6	85	0.5	695	3.8	1,517	8.4	2,227	12.3	127	0.7	18,052
Lindi	8,867	73.4	94	0.8	0	0.0	0	0.0	1,780	14.7	1,215	10.1	124	1.0	12,080
Mtwara	45,921	73.6	2,790	4.5	513	0.8	849	1.4	3,480	5.6	8,880	14.2	0	0.0	62,432
Ruvuma	43,884	65.3	2,808	4.2	1,130	1.7	2,696	4.0	8,537	12.7	7,819	11.6	361	0.5	67,237
Iringa	137,007	81.5	8,021	4.8	66	0.0	2,108	1.3	3,802	2.3	16,412	9.8	718	0.4	168,133
Mbeya	137,135	68.3	7,363	3.7	1,431	0.7	3,490	1.7	12,177	6.1	37,134	18.5	2,139	1.1	200,869
Singida	89,982	84.5	816	0.8	319	0.3	724	0.7	1,576	1.5	12,777	12.0	235	0.2	106,428
Tabora	82,920	75.0	4,469	4.0	2,505	2.3	3,957	3.6	8,372	7.6	6,942	6.3	1,372	1.2	110,537
Rukwa	46,896	76.1	1,982	3.2	47	0.1	1,836	3.0	3,700	6.0	7,190	11.7	0	0.0	61,652
Kigoma	69,019	82.3	7,672	9.1	651	0.8	146	0.2	2,340	2.8	4,069	4.8	0	0.0	83,897
Shinyanga	224,933	88.0	9,964	3.9	1,471	0.6	3,799	1.5	7,833	3.1	6,288	2.5	1,461	0.6	255,749
Kagera	106,174	71.5	11,143	7.5	92	0.1	1,438	1.0	11,519	7.8	17,259	11.6	845	0.6	148,470
Mwanza	114,191	81.9	4,319	3.1	1,447	1.0	2,133	1.5	6,398	4.6	10,218	7.3	756	0.5	139,463
Mara	75,108	76.2	10,409	10.6	409	0.4	1,786	1.8	5,160	5.2	5,529	5.6	183	0.2	98,584
Manyara	100,930	82.5	3,470	2.8	746	0.6	726	0.6	2,246	1.8	13,870	11.3	336	0.3	122,324
Mainland	**1,900,771**	**79.3**	**106,411**	**4.4**	**13,212**	**0.6**	**35,223**	**1.5**	**116,902**	**4.9**	**211,243**	**8.8**	**12,105**	**0.5**	**2,395,867**
North Unguja	3,395	44.0	240	3.1	362	4.7	906	11.7	996	12.9	1,819	23.6	0	0.0	7,719
South Unguja	1,900	37.8	584	11.6	30	0.6	1,231	24.5	454	9.0	828	16.5	0	0.0	5,027
Urban West	1,727	24.7	628	9.0	251	3.6	785	11.2	2,041	29.1	1,507	21.5	63	0.9	7,002
North Pemba	1,601	43.8	260	7.1	117	3.2	285	7.8	329	9.0	1,012	27.7	55	1.5	3,658
South Pemba	2,782	64.5	81	1.9	0	0.0	62	1.4	1,016	23.6	340	7.9	31	0.7	4,312
Zanzibar	**11,406**	**41.1**	**1,793**	**6.5**	**761**	**2.7**	**3,269**	**11.8**	**4,836**	**17.4**	**5,505**	**19.9**	**149**	**0.5**	**27,718**
National	**1,912,176**	**78.9**	**108,204**	**4.5**	**13,972**	**0.6**	**38,493**	**1.6**	**121,738**	**5.0**	**216,748**	**8.9**	**12,254**	**0.5**	**2,423,585**

8.9 CROP EXTENSION: Number of households receiving extension advice on use of Inorganic Fertilizer by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	85,495	75.3	4,842	4.3	376	0.3	509	0.4	17,948	15.8	3,813	3.4	490	0.4	113,473
Arusha	65,074	82.8	4,040	5.1	209	0.3	1,018	1.3	3,709	4.7	4,498	5.7	0	0.0	78,546
Kilimanjaro	119,468	85.0	2,837	2.0	1,268	0.9	1,530	1.1	6,976	5.0	7,870	5.6	584	0.4	140,532
Tanga	53,591	78.7	3,009	4.4	1,386	2.0	778	1.1	6,044	8.9	3,321	4.9	0	0.0	68,129
Morogoro	64,409	76.2	4,231	5.0	349	0.4	1,198	1.4	5,918	7.0	7,748	9.2	632	0.7	84,484
Pwani	47,831	83.8	1,486	2.6	103	0.2	465	0.8	4,827	8.5	2,153	3.8	226	0.4	57,091
Dar es Salaam	9,050	72.0	698	5.5	207	1.6	334	2.7	964	7.7	1,284	10.2	37	0.3	12,574
Lindi	10,489	73.3	0	0.0	29	0.2	124	0.9	2,209	15.4	1,370	9.6	94	0.7	14,315
Mtwara	44,492	72.7	1,758	2.9	1,164	1.9	737	1.2	5,550	9.1	7,522	12.3	0	0.0	61,223
Ruvuma	68,520	76.9	2,978	3.3	2,634	3.0	2,575	2.9	6,269	7.0	5,671	6.4	487	0.5	89,135
Iringa	173,220	90.2	5,335	2.8	235	0.1	1,503	0.8	3,304	1.7	8,367	4.4	146	0.1	192,109
Mbeya	179,072	75.7	5,753	2.4	3,653	1.5	2,222	0.9	11,125	4.7	33,084	14.0	1,751	0.7	236,661
Singida	51,937	89.1	961	1.6	514	0.9	261	0.4	2,281	3.9	2,132	3.7	180	0.3	58,267
Tabora	74,374	64.7	14,666	12.8	8,945	7.8	2,259	2.0	8,061	7.0	4,945	4.3	1,699	1.5	114,949
Rukwa	53,030	74.8	5,763	8.1	1,970	2.8	955	1.3	4,103	5.8	4,487	6.3	623	0.9	70,932
Kigoma	74,434	85.7	6,350	7.3	1,569	1.8	0	0.0	2,446	2.8	2,023	2.3	0	0.0	86,821
Shinyanga	142,741	86.6	8,783	5.3	654	0.4	1,858	1.1	6,670	4.0	3,435	2.1	620	0.4	164,761
Kagera	56,298	70.6	5,977	7.5	328	0.4	769	1.0	9,852	12.3	6,003	7.5	558	0.7	79,785
Mwanza	74,342	83.7	3,453	3.9	1,330	1.5	1,146	1.3	4,551	5.1	3,861	4.3	94	0.1	88,777
Mara	43,047	72.2	6,923	11.6	86	0.1	1,152	1.9	6,088	10.2	1,795	3.0	520	0.9	59,611
Manyara	72,271	89.0	2,440	3.0	370	0.5	373	0.5	2,789	3.4	2,966	3.7	0	0.0	81,209
Mainland	**1,563,185**	**80.0**	**92,284**	**4.7**	**27,377**	**1.4**	**21,767**	**1.1**	**121,684**	**6.2**	**118,346**	**6.1**	**8,740**	**0.4**	**1,953,384**
North Unguja	2,767	54.3	108	2.1	254	5.0	557	10.9	891	17.5	520	10.2	0	0.0	5,097
South Unguja	1,749	71.3	154	6.3	61	2.5	152	6.2	259	10.6	77	3.1	0	0.0	2,453
Urban West	1,162	27.2	345	8.1	188	4.4	314	7.4	1,727	40.4	534	12.5	0	0.0	4,270
North Pemba	1,368	61.9	183	8.3	29	1.3	26	1.2	315	14.2	263	11.9	26	1.2	2,209
South Pemba	2,701	65.9	67	1.6	27	0.7	134	3.3	887	21.6	286	7.0	0	0.0	4,102
Zanzibar	**9,747**	**53.8**	**857**	**4.7**	**560**	**3.1**	**1,183**	**6.5**	**4,079**	**22.5**	**1,680**	**9.3**	**26**	**0.1**	**18,131**
National	**1,572,932**	**79.8**	**93,141**	**4.7**	**27,937**	**1.4**	**22,950**	**1.2**	**125,763**	**6.4**	**120,026**	**6.1**	**8,766**	**0.4**	**1,971,515**

8.10 CROP EXTENSION: Number of households receiving extension advice on Use of Improved Seeds by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	227,547	90	4,034	1.6	285	0	1,156	0.5	13,957	5.5	5,617	2.2	394	0	252,989
Arusha	92,014	86	4,342	4.1	565	1	1,163	1.1	3,900	3.7	4,282	4	174	0	106,440
Kilimanjaro	140,872	87	2,236	1.4	925	1	751	0.5	8,352	5.2	7,507	4.6	971	1	161,614
Tanga	107,208	82	3,794	2.9	1,062	1	1,209	0.9	8,899	6.8	8,214	6.3	140	0	130,527
Morogoro	97,006	80	4,645	3.8	492	0	1,216	1	7,584	6.2	10,586	8.7	35	0	121,564
Pwani	68,407	86	1,639	2.1	460	1	322	0.4	5,453	6.8	3,384	4.2	115	0	79,781
Dar es Salaam	14,035	72	918	4.7	42	0	615	3.2	1,313	6.8	2,116	11	398	2	19,437
Lindi	27,903	77	871	2.4	182	1	745	2	3,128	8.6	3,327	9.1	218	1	36,374
Mtwara	61,193	77	2,009	2.5	1,185	2	1,433	1.8	4,863	6.1	9,058	11	0	0	79,741
Ruvuma	59,356	79	2,421	3.2	2,212	3	2,415	3.2	4,738	6.3	4,324	5.7	59	0	75,526
Iringa	166,380	89	4,567	2.4	169	0	1,710	0.9	3,676	2	10,170	5.4	109	0	186,782
Mbeya	187,442	76	9,388	3.8	2,761	1	2,978	1.2	15,552	6.3	25,911	11	1,474	1	245,506
Singida	91,058	90	2,051	2	617	1	626	0.6	2,560	2.5	3,608	3.6	360	0	100,880
Tabora	92,619	68	13,479	10	5,725	4	2,424	1.8	13,545	10	5,381	4	2,175	2	135,347
Rukwa	57,374	76	3,201	4.2	1,411	2	1,304	1.7	7,388	9.8	4,105	5.4	814	1	75,596
Kigoma	78,842	85	6,088	6.6	731	1	520	0.6	3,763	4.1	2,887	3.1	0	0	92,831
Shinyanga	239,913	87	12,887	4.7	1,565	1	2,659	1	10,334	3.8	6,577	2.4	541	0	274,476
Kagera	93,261	72	11,271	8.7	1,672	1	686	0.5	14,706	11	7,889	6.1	323	0	129,807
Mwanza	122,201	81	5,943	3.9	1,725	1	2,631	1.7	12,033	8	6,065	4	159	0	150,757
Mara	91,954	81	7,363	6.4	452	0	3,239	2.8	6,952	6.1	4,147	3.6	85	0	114,191
Manyara	120,523	92	2,643	2	904	1	1,248	0.9	2,002	1.5	4,162	3.2	158	0	131,639
Mainland	**2,237,108**	**83**	**105,789**	**3.9**	**25,140**	**1**	**31,050**	**1.1**	**154,699**	**5.7**	**139,317**	**5.2**	**8,703**	**0**	**2,701,806**
North Unguja	4,295	52	360	4.4	254	3	1,045	13	1,509	18	754	9.2	0	0	8,216
South Unguja	2,297	47	460	9.4	395	8	519	11	546	11	691	14	0	0	4,908
Urban West	1,821	29	754	12	126	2	408	6.6	1,947	31	1,130	18	31	1	6,217
North Pemba	1,328	57	263	11	58	3	26	1.1	373	16	278	12	0	0	2,326
South Pemba	2,567	69	58	1.5	0	0	165	4.4	819	22	93	2.5	31	1	3,733
Zanzibar	**12,307**	**49**	**1,895**	**7.5**	**834**	**3**	**2,162**	**8.5**	**5,193**	**20**	**2,947**	**12**	**62**	**0**	**25,400**
National	**2,249,415**	**83**	**107,684**	**3.9**	**25,974**	**1**	**33,212**	**1.2**	**159,892**	**5.9**	**142,264**	**5.2**	**8,765**	**0**	**2,727,206**

8.11 CROP EXTENSION: Number of households receiving extension advice on Mechanization and Labor Saving Technologies by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	220,594	84.6	8,793	3.4	258	0.1	2,934	1.1	15,573	6.0	12,433	4.8	222	0.1	260,807
Arusha	74,220	83.8	4,082	4.6	565	0.6	1,479	1.7	2,806	3.2	5,250	5.9	165	0.2	88,567
Kilimanjaro	69,151	74.9	3,033	3.3	614	0.7	577	0.6	12,728	13.8	5,364	5.8	858	0.9	92,325
Tanga	59,229	73.9	3,801	4.7	1,494	1.9	1,644	2.1	9,103	11.4	4,919	6.1	0	0.0	80,191
Morogoro	64,124	72.5	2,948	3.3	180	0.2	2,526	2.9	9,849	11.1	8,722	9.9	157	0.2	88,505
Pwani	52,168	81.2	1,810	2.8	373	0.6	1,088	1.7	6,248	9.7	2,263	3.5	320	0.5	64,269
Dar es Salaam	7,604	75.6	307	3.1	42	0.4	185	1.8	1,118	11.1	643	6.4	164	1.6	10,064
Lindi	19,961	78.3	108	0.4	0	0.0	124	0.5	2,232	8.8	3,052	12.0	0	0.0	25,477
Mtwara	40,879	72.8	2,595	4.6	1,177	2.1	837	1.5	5,434	9.7	5,205	9.3	0	0.0	56,126
Ruvuma	25,612	66.5	2,149	5.6	985	2.6	2,218	5.8	4,656	12.1	2,762	7.2	111	0.3	38,493
Iringa	103,674	82.3	5,737	4.6	696	0.6	2,121	1.7	5,276	4.2	8,473	6.7	0	0.0	125,977
Mbeya	117,339	74.6	7,275	4.6	2,587	1.6	2,303	1.5	11,243	7.1	16,129	10.3	476	0.3	157,353
Singida	80,459	85.3	1,820	1.9	206	0.2	488	0.5	3,648	3.9	7,476	7.9	180	0.2	94,277
Tabora	70,627	70.6	7,037	7.0	3,415	3.4	2,865	2.9	9,805	9.8	5,208	5.2	1,062	1.1	100,019
Rukwa	42,439	75.4	2,239	4.0	494	0.9	1,866	3.3	4,983	8.9	3,736	6.6	512	0.9	56,269
Kigoma	42,581	81.2	3,023	5.8	333	0.6	798	1.5	4,682	8.9	1,050	2.0	0	0.0	52,468
Shinyanga	178,881	85.7	8,979	4.3	400	0.2	1,757	0.8	8,471	4.1	9,449	4.5	800	0.4	208,737
Kagera	52,056	69.7	6,178	8.3	282	0.4	398	0.5	11,117	14.9	4,520	6.1	92	0.1	74,643
Mwanza	78,850	81.6	3,213	3.3	959	1.0	1,952	2.0	6,968	7.2	4,114	4.3	520	0.5	96,576
Mara	51,779	78.1	4,462	6.7	721	1.1	1,311	2.0	7,091	10.7	914	1.4	0	0.0	66,278
Manyara	84,962	85.4	4,258	4.3	373	0.4	1,426	1.4	3,168	3.2	5,167	5.2	103	0.1	99,459
Mainland	**1,537,188**	**79.4**	**83,847**	**4.3**	**16,154**	**0.8**	**30,898**	**1.6**	**146,200**	**7.5**	**116,850**	**6.0**	**5,741**	**0.3**	**1,936,878**
North Unguja	2,299	57.3	145	3.6	254	6.3	368	9.2	744	18.5	204	5.1	0	0.0	4,015
South Unguja	1,190	70.6	154	9.1	61	3.6	93	5.5	49	2.9	138	8.2	0	0.0	1,684
Urban West	1,256	29.6	377	8.9	126	3.0	94	2.2	1,884	44.4	502	11.9	0	0.0	4,239
North Pemba	589	57.7	102	10.0	29	2.9	29	2.9	161	15.8	110	10.7	0	0.0	1,020
South Pemba	2,065	83.2	31	1.2	0	0.0	98	4.0	258	10.4	0	0.0	31	1.2	2,483
Zanzibar	**7,398**	**55.0**	**810**	**6.0**	**470**	**3.5**	**683**	**5.1**	**3,096**	**23.0**	**953**	**7.1**	**31**	**0.2**	**13,441**
National	**1,544,587**	**79.2**	**84,657**	**4.3**	**16,624**	**0.9**	**31,581**	**1.6**	**149,296**	**7.7**	**117,803**	**6.0**	**5,772**	**0.3**	**1,950,319**

8.12 CROP EXTENSION: Number of households receiving extension advice on Irrigation Technologies by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	90,106	74.5	7,747	6.4	0	0.0	1,384	1.1	11,924	9.9	9,449	7.8	285	0.2	120,894
Arusha	46,896	79.4	6,313	10.7	387	0.7	942	1.6	2,013	3.4	2,484	4.2	29	0.0	59,064
Kilimanjaro	61,427	74.0	1,656	2.0	1,323	1.6	1,950	2.4	5,961	7.2	9,123	11.0	1,516	1.8	82,957
Tanga	40,835	71.8	1,754	3.1	1,244	2.2	1,087	1.9	5,505	9.7	6,227	11.0	186	0.3	56,838
Morogoro	32,708	66.2	2,713	5.5	157	0.3	543	1.1	4,981	10.1	7,750	15.7	560	1.1	49,411
Pwani	32,272	75.4	1,527	3.6	277	0.6	58	0.1	7,142	16.7	1,463	3.4	58	0.1	42,795
Dar es Salaam	5,570	68.0	343	4.2	117	1.4	466	5.7	702	8.6	987	12.1	0	0.0	8,186
Lindi	6,206	66.2	153	1.6	124	1.3	124	1.3	1,648	17.6	1,126	12.0	0	0.0	9,380
Mtwara	19,069	67.8	1,897	6.7	372	1.3	949	3.4	2,946	10.5	2,745	9.8	153	0.5	28,131
Ruvuma	26,714	67.9	1,090	2.8	781	2.0	2,268	5.8	4,347	11.0	4,127	10.5	30	0.1	39,356
Iringa	67,733	81.6	3,962	4.8	80	0.1	1,202	1.4	4,002	4.8	5,891	7.1	109	0.1	82,979
Mbeya	64,071	72.9	3,804	4.3	3,359	3.8	2,554	2.9	5,319	6.1	8,177	9.3	636	0.7	87,919
Singida	46,194	85.6	1,167	2.2	103	0.2	261	0.5	2,060	3.8	3,450	6.4	715	1.3	53,949
Tabora	37,353	59.6	4,727	7.5	7,161	11.4	3,235	5.2	5,668	9.0	3,340	5.3	1,171	1.9	62,655
Rukwa	23,253	72.0	812	2.5	0	0.0	677	2.1	4,376	13.6	3,030	9.4	141	0.4	32,289
Kigoma	26,524	80.1	1,955	5.9	146	0.4	333	1.0	1,586	4.8	2,565	7.7	0	0.0	33,109
Shinyanga	94,784	78.0	7,790	6.4	384	0.3	1,941	1.6	11,452	9.4	5,066	4.2	134	0.1	121,551
Kagera	29,173	62.5	5,282	11.3	0	0.0	333	0.7	7,251	15.5	4,549	9.7	92	0.2	46,679
Mwanza	40,895	79.9	2,170	4.2	277	0.5	479	0.9	4,668	9.1	2,531	4.9	159	0.3	51,179
Mara	26,285	66.6	5,300	13.4	172	0.4	462	1.2	5,897	14.9	1,351	3.4	0	0.0	39,468
Manyara	42,510	79.2	1,650	3.1	729	1.4	1,065	2.0	4,368	8.1	3,334	6.2	0	0.0	53,656
Mainland	**860,577**	**74.0**	**63,810**	**5.5**	**17,192**	**1.5**	**22,312**	**1.9**	**103,815**	**8.9**	**88,766**	**7.6**	**5,973**	**0.5**	**1,162,445**
North Unguja	1,435	43.2	102	3.1	229	6.9	324	9.7	973	29.3	261	7.8	0	0.0	3,323
South Unguja	1,224	58.7	77	3.7	107	5.1	142	6.8	247	11.9	288	13.8	0	0.0	2,086
Urban West	1,444	35.1	471	11.5	188	4.6	157	3.8	1,539	37.4	314	7.6	0	0.0	4,113
North Pemba	541	64.4	110	13.0	0	0.0	29	3.5	77	9.1	84	10.0	0	0.0	841
South Pemba	1,129	76.0	116	7.8	0	0.0	71	4.8	142	9.6	27	1.8	0	0.0	1,485
Zanzibar	**5,773**	**48.7**	**876**	**7.4**	**525**	**4.4**	**723**	**6.1**	**2,978**	**25.1**	**974**	**8.2**	**0**	**0.0**	**11,849**
National	**866,351**	**73.8**	**64,685**	**5.5**	**17,717**	**1.5**	**23,035**	**2.0**	**106,793**	**9.1**	**89,739**	**7.6**	**5,973**	**0.5**	**1,174,294**

8.13 CROP EXTENSION: Number of households receiving extension advice on Crop Storage by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	191,103	83.7	7,231	3.2	517	0.2	2,597	1.1	11,735	5.1	14,115	6.2	1,059	0.5	228,357
Arusha	74,276	83.8	4,273	4.8	804	0.9	1,396	1.6	3,325	3.7	4,608	5.2	0	0.0	88,682
Kilimanjaro	93,611	79.1	2,460	2.1	2,950	2.5	2,441	2.1	4,772	4.0	9,867	8.3	2,265	1.9	118,367
Tanga	88,289	76.6	3,108	2.7	1,120	1.0	1,077	0.9	7,840	6.8	12,600	10.9	1,264	1.1	115,298
Morogoro	76,556	74.7	3,083	3.0	53	0.1	177	0.2	8,625	8.4	13,329	13.0	654	0.6	102,478
Pwani	47,216	79.4	1,221	2.1	264	0.4	613	1.0	6,080	10.2	4,016	6.8	58	0.1	59,468
Dar es Salaam	6,780	69.2	348	3.6	85	0.9	105	1.1	1,206	12.3	1,269	13.0	0	0.0	9,793
Lindi	19,535	74.0	620	2.3	29	0.1	0	0.0	2,198	8.3	3,815	14.5	199	0.8	26,396
Mtwara	34,515	66.5	3,625	7.0	853	1.6	898	1.7	3,555	6.8	8,483	16.3	0	0.0	51,929
Ruvuma	39,158	71.2	1,592	2.9	1,256	2.3	2,529	4.6	6,241	11.3	4,226	7.7	30	0.1	55,033
Iringa	123,335	80.7	5,392	3.5	0	0.0	1,082	0.7	4,039	2.6	18,916	12.4	159	0.1	152,922
Mbeya	145,505	71.9	6,161	3.0	2,321	1.1	3,653	1.8	12,742	6.3	27,673	13.7	4,184	2.1	202,240
Singida	80,581	89.0	1,558	1.7	206	0.2	441	0.5	3,213	3.5	4,339	4.8	180	0.2	90,518
Tabora	73,778	73.0	5,524	5.5	3,624	3.6	4,029	4.0	6,804	6.7	6,151	6.1	1,187	1.2	101,097
Rukwa	46,043	71.2	2,382	3.7	224	0.3	1,322	2.0	3,384	5.2	10,335	16.0	1,007	1.6	64,697
Kigoma	50,126	79.0	5,728	9.0	439	0.7	877	1.4	2,291	3.6	4,004	6.3	0	0.0	63,464
Shinyanga	203,697	87.7	6,552	2.8	654	0.3	918	0.4	11,488	4.9	7,541	3.2	1,404	0.6	232,254
Kagera	70,129	68.4	7,440	7.3	839	0.8	1,101	1.1	7,599	7.4	15,121	14.7	350	0.3	102,578
Mwanza	92,419	84.6	4,469	4.1	252	0.2	783	0.7	6,574	6.0	4,489	4.1	202	0.2	109,190
Mara	51,196	67.8	6,492	8.6	172	0.2	3,046	4.0	5,953	7.9	8,213	10.9	398	0.5	75,469
Manyara	102,368	86.5	1,948	1.6	2,440	2.1	1,016	0.9	2,641	2.2	7,836	6.6	158	0.1	118,406
Mainland	**1,710,216**	**78.9**	**81,210**	**3.7**	**19,100**	**0.9**	**30,101**	**1.4**	**122,306**	**5.6**	**190,946**	**8.8**	**14,758**	**0.7**	**2,168,637**
North Unguja	1,122	32.5	190	5.5	178	5.2	267	7.7	1,056	30.6	639	18.5	0	0.0	3,451
South Unguja	740	32.8	168	7.5	168	7.5	203	9.0	511	22.6	466	20.7	0	0.0	2,257
Urban West	1,319	33.6	314	8.0	157	4.0	126	3.2	1,601	40.8	408	10.4	0	0.0	3,925
North Pemba	318	52.7	77	12.7	0	0.0	0	0.0	77	12.7	132	21.8	0	0.0	604
South Pemba	767	66.7	31	2.7	0	0.0	71	6.2	196	17.1	85	7.3	0	0.0	1,151
Zanzibar	**4,266**	**37.5**	**780**	**6.9**	**503**	**4.4**	**666**	**5.9**	**3,441**	**30.2**	**1,729**	**15.2**	**0**	**0.0**	**11,387**
National	**1,714,483**	**78.6**	**81,990**	**3.8**	**19,603**	**0.9**	**30,768**	**1.4**	**125,747**	**5.8**	**192,675**	**8.8**	**14,758**	**0.7**	**2,180,024**

8.14 CROP EXTENSION: Number of households receiving extension advice on Vermin Control by region during the 2007/08 agriculture year

Region	Source of Crop Extension														Total Number of Households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Dodoma	151,987	80.5	3,298	1.7	0	0.0	1,269	0.7	11,342	6.0	20,152	10.7	729	0.4	188,778
Arusha	58,172	80.1	2,555	3.5	267	0.4	933	1.3	2,929	4.0	7,555	10.4	211	0.3	72,622
Kilimanjaro	70,587	75.2	1,423	1.5	1,649	1.8	1,689	1.8	4,747	5.1	11,746	12.5	2,014	2.1	93,855
Tanga	51,975	67.6	3,197	4.2	655	0.9	1,290	1.7	2,999	3.9	16,574	21.5	231	0.3	76,920
Morogoro	54,256	72.1	3,290	4.4	18	0.0	286	0.4	3,127	4.2	12,642	16.8	1,608	2.1	75,226
Pwani	52,285	78.5	941	1.4	232	0.3	852	1.3	4,015	6.0	8,014	12.0	253	0.4	66,594
Dar es Salaam	5,713	65.6	392	4.5	164	1.9	68	0.8	772	8.9	1,556	17.9	42	0.5	8,708
Lindi	20,328	78.6	1,307	5.1	79	0.3	137	0.5	519	2.0	3,400	13.1	94	0.4	25,863
Mtwara	33,289	62.5	3,041	5.7	745	1.4	572	1.1	3,459	6.5	11,918	22.4	240	0.5	53,265
Ruvuma	24,535	63.0	3,631	9.3	781	2.0	2,472	6.3	3,796	9.7	3,629	9.3	111	0.3	38,955
Iringa	96,485	80.9	3,475	2.9	0	0.0	717	0.6	2,073	1.7	16,324	13.7	209	0.2	119,284
Mbeya	88,559	70.5	5,081	4.0	1,010	0.8	2,919	2.3	8,439	6.7	17,217	13.7	2,329	1.9	125,553
Singida	60,578	87.5	1,156	1.7	103	0.1	462	0.7	964	1.4	5,268	7.6	667	1.0	69,199
Tabora	44,489	68.9	2,564	4.0	1,406	2.2	3,510	5.4	4,614	7.2	7,693	11.9	252	0.4	64,527
Rukwa	32,663	75.1	1,806	4.2	47	0.1	1,433	3.3	2,756	6.3	4,206	9.7	590	1.4	43,501
Kigoma	34,288	75.1	4,188	9.2	187	0.4	1,770	3.9	1,422	3.1	3,805	8.3	0	0.0	45,661
Shinyanga	116,984	80.3	5,800	4.0	1,289	0.9	1,171	0.8	8,118	5.6	12,192	8.4	144	0.1	145,698
Kagera	63,032	62.0	5,996	5.9	449	0.4	666	0.7	8,263	8.1	22,526	22.2	748	0.7	101,678
Mwanza	62,983	82.6	1,159	1.5	710	0.9	889	1.2	4,443	5.8	5,845	7.7	202	0.3	76,232
Mara	41,050	69.6	4,356	7.4	140	0.2	1,527	2.6	2,578	4.4	9,129	15.5	182	0.3	58,963
Manyara	64,765	77.5	2,373	2.8	786	0.9	790	0.9	2,948	3.5	11,549	13.8	316	0.4	83,526
Mainland	**1,229,004**	**75.2**	**61,029**	**3.7**	**10,716**	**0.7**	**25,423**	**1.6**	**84,323**	**5.2**	**212,939**	**13.0**	**11,173**	**0.7**	**1,634,608**
North Unguja	1,352	38.3	114	3.2	127	3.6	222	6.3	668	18.9	1,019	28.8	32	0.9	3,534
South Unguja	712	18.9	355	9.4	395	10.5	529	14.1	566	15.0	1,205	32.0	0	0.0	3,762
Urban West	973	25.4	188	4.9	188	4.9	157	4.1	1,539	40.2	785	20.5	0	0.0	3,831
North Pemba	322	54.7	51	8.7	0	0.0	0	0.0	84	14.3	132	22.4	0	0.0	589
South Pemba	629	57.7	31	2.8	0	0.0	98	9.0	193	17.7	139	12.8	0	0.0	1,090
Zanzibar	**3,988**	**31.1**	**739**	**5.8**	**711**	**5.6**	**1,006**	**7.9**	**3,049**	**23.8**	**3,280**	**25.6**	**32**	**0.2**	**12,805**
National	**1,232,992**	**74.8**	**61,769**	**3.7**	**11,427**	**0.7**	**26,430**	**1.6**	**87,372**	**5.3**	**216,220**	**13.1**	**11,204**	**0.7**	**1,647,412**

AGRICULTURE CONSTRAINTS

Table 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
Region	Number	%	Number	%	Number	%	Number	%
Dodoma	10,698	2.98	4,754	1.32	38,869	10.83	28,865	8.04
Arusha	9,045	4.40	3,708	1.80	18,413	8.96	9,573	4.66
Kilimanjaro	10,891	4.49	2,276	0.94	18,150	7.48	21,308	8.79
Tanga	5,617	1.70	3,598	1.09	33,859	10.24	18,210	5.51
Morogoro	7,935	2.66	5,796	1.94	36,875	12.37	11,585	3.89
Pwani	1,851	1.06	2,043	1.17	20,359	11.67	4,987	2.86
Dar es Salaam	1,104	3.14	805	2.29	2,794	7.95	2,639	7.51
Lindi	497	0.30	688	0.41	17,061	10.22	4,105	2.46
Mtwara	1,548	0.62	2,841	1.14	23,221	9.31	13,684	5.49
Ruvuma	3,575	1.70	1,577	0.75	23,875	11.35	10,496	4.99
Iringa	10,058	3.28	5,916	1.93	38,059	12.41	35,400	11.54
Mbeya	17,972	3.95	6,583	1.45	53,423	11.75	26,802	5.89
Singida	4,980	2.29	809	0.37	23,790	10.96	23,469	10.82
Tabora	4,478	1.55	3,891	1.35	33,211	11.51	30,439	10.55
Rukwa	6,469	2.86	3,687	1.63	22,949	10.14	15,938	7.04
Kigoma	4,913	2.18	3,413	1.52	33,882	15.05	24,289	10.79
Shinyanga	13,162	2.71	10,608	2.19	59,249	12.22	43,894	9.05
Kagera	9,967	2.46	4,796	1.18	40,391	9.95	36,701	9.04
Mwanza	13,925	3.49	7,816	1.96	42,948	10.76	35,814	8.98
Mara	8,264	3.64	3,464	1.53	23,184	10.23	25,034	11.04
Manyara	6,560	3.30	3,161	1.59	19,936	10.04	16,451	8.29
Mainland	**153,508**	**2.69**	**82,230**	**1.44**	**624,496**	**10.94**	**439,684**	**7.71**
North Unguja	1,121	3.69	1,166	3.84	2,193	7.23	1,816	5.98
South Unguja	184	0.91	351	1.73	1,276	6.30	975	4.81
Urban West	754	4.04	565	3.03	1,287	6.90	816	4.38
North Pemba	355	1.08	574	1.75	2,621	7.97	3,067	9.33
South Pemba	289	0.96	517	1.72	2,806	9.34	2,641	8.79
Zanzibar	**2,702**	**2.04**	**3,172**	**2.40**	**10,183**	**7.70**	**9,315**	**7.05**
National	**156,210**	**2.68**	**85,403**	**1.46**	**634,679**	**10.87**	**448,999**	**7.69**

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Cont. Table 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
Region	Number	%	Number	%	Number	%	Number	%
Dodoma	52,848	14.72	5,346	1.49	19,396	5.40	50,544	14.08
Arusha	13,835	6.73	6,885	3.35	5,906	2.87	34,248	16.67
Kilimanjaro	13,108	5.40	19,591	8.08	10,757	4.44	48,389	19.95
Tanga	31,253	9.45	7,416	2.24	14,333	4.33	55,619	16.82
Morogoro	25,541	8.57	10,313	3.46	18,550	6.22	37,357	12.53
Pwani	11,665	6.69	3,674	2.11	11,140	6.39	26,970	15.46
Dar es Salaam	2,783	7.92	1,284	3.65	2,270	6.46	3,809	10.83
Lindi	19,417	11.63	3,613	2.16	18,145	10.87	25,177	15.09
Mtwara	23,560	9.45	7,267	2.91	33,323	13.36	40,242	16.14
Ruvuma	18,247	8.68	6,926	3.29	15,949	7.58	36,319	17.27
Iringa	28,245	9.21	4,857	1.58	16,178	5.28	53,547	17.46
Mbeya	38,876	8.55	8,738	1.92	25,101	5.52	69,021	15.18
Singida	29,178	13.45	5,674	2.61	21,173	9.76	43,658	20.12
Tabora	40,495	14.04	10,434	3.62	28,097	9.74	41,437	14.37
Rukwa	20,027	8.85	5,045	2.23	8,926	3.95	42,656	18.85
Kigoma	29,380	13.05	2,531	1.12	14,043	6.24	44,129	19.60
Shinyanga	56,930	11.74	15,738	3.25	27,510	5.67	81,647	16.84
Kagera	46,875	11.55	7,642	1.88	23,918	5.89	50,439	12.43
Mwanza	34,511	8.65	16,082	4.03	27,420	6.87	71,048	17.81
Mara	27,334	12.06	11,792	5.20	8,768	3.87	27,440	12.10
Manyara	19,311	9.73	5,992	3.02	6,578	3.31	33,186	16.72
Mainland	**583,419**	**10.22**	**166,839**	**2.92**	**357,481**	**6.27**	**916,884**	**16.07**
North Unguja	1,334	4.40	714	2.35	1,183	3.90	1,743	5.74
South Unguja	675	3.33	519	2.56	568	2.80	955	4.71
Urban West	1,444	7.74	314	1.68	534	2.86	1,382	7.41
North Pemba	3,589	10.92	947	2.88	1,880	5.72	2,735	8.32
South Pemba	3,610	12.02	570	1.90	2,055	6.84	4,280	14.25
Zanzibar	**10,653**	**8.06**	**3,064**	**2.32**	**6,219**	**4.70**	**11,094**	**8.39**
National	**594,072**	**10.18**	**169,903**	**2.91**	**363,700**	**6.23**	**927,978**	**15.90**

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Cont. Table 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Extension Services		Access to Forest Resources		Hunting and Gathering		Access to Potable Water	
Ta	Number	%	Number	%	Number	%	Number	%
Dodoma	19,136	5.33	617	0.17	252	0.07	13,293	3.70
Arusha	12,541	6.11	1,022	0.50	473	0.23	18,453	8.98
Kilimanjaro	13,780	5.68	233	0.10	0	0.00	7,822	3.23
Tanga	26,144	7.91	84	0.03	335	0.10	10,420	3.15
Morogoro	25,774	8.64	580	0.19	351	0.12	6,882	2.31
Pwani	9,990	5.73	175	0.10	29	0.02	6,471	3.71
Dar es Salaam	2,691	7.65	0	0.00	0	0.00	1,787	5.08
Lindi	17,100	10.25	0	0.00	79	0.05	3,054	1.83
Mtwara	20,380	8.17	458	0.18	153	0.06	11,321	4.54
Ruvuma	23,061	10.97	219	0.10	132	0.06	1,145	0.54
Iringa	17,662	5.76	404	0.13	235	0.08	4,333	1.41
Mbeya	36,405	8.01	1,386	0.30	0	0.00	11,210	2.47
Singida	13,033	6.01	103	0.05	1,070	0.49	3,547	1.63
Tabora	22,611	7.84	197	0.07	0	0.00	8,801	3.05
Rukwa	27,441	12.13	0	0.00	0	0.00	1,587	0.70
Kigoma	16,535	7.34	187	0.08	58	0.03	1,454	0.65
Shinyanga	26,869	5.54	957	0.20	950	0.20	14,566	3.00
Kagera	36,391	8.97	398	0.10	408	0.10	10,597	2.61
Mwanza	34,033	8.53	405	0.10	453	0.11	7,933	1.99
Mara	18,017	7.95	86	0.04	646	0.28	6,585	2.90
Manyara	8,400	4.23	587	0.30	329	0.17	9,535	4.80
Mainland	**427,992**	**7.50**	**8,098**	**0.14**	**5,953**	**0.10**	**160,796**	**2.82**
North Unguja	2,950	9.72	32	0.10	25	0.08	291	0.96
South Unguja	2,695	13.30	30	0.15	0	0.00	383	1.89
Urban West	2,010	10.77	0	0.00	0	0.00	534	2.86
North Pemba	5,101	15.52	26	0.08	0	0.00	293	0.89
South Pemba	3,233	10.76	62	0.21	0	0.00	489	1.63
Zanzibar	**15,989**	**12.10**	**150**	**0.11**	**25**	**0.02**	**1,989**	**1.50**
National	**443,981**	**7.61**	**8,248**	**0.14**	**5,978**	**0.10**	**162,786**	**2.79**

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Cont. Table 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Access to Credit		Access to Off Farm Income		Threshing		Harvesting	
	Number	%	Number	%	Number	%	Number	%
Dodoma	26,665	7.43	13,685	3.81	982	0.27	0	0.00
Arusha	17,583	8.56	10,192	4.96	445	0.22	0	0.00
Kilimanjaro	13,912	5.74	14,410	5.94	500	0.21	171	0.07
Tanga	34,511	10.44	12,904	3.90	1,477	0.45	316	0.10
Morogoro	32,459	10.89	9,340	3.13	889	0.30	569	0.19
Pwani	25,844	14.81	4,600	2.64	253	0.15	0	0.00
Dar es Salaam	4,279	12.17	991	2.82	37	0.11	0	0.00
Lindi	19,347	11.59	3,688	2.21	604	0.36	0	0.00
Mtwara	24,822	9.95	5,408	2.17	684	0.27	0	0.00
Ruvuma	28,990	13.79	5,189	2.47	87	0.04	199	0.09
Iringa	30,271	9.87	12,734	4.15	607	0.20	569	0.19
Mbeya	58,033	12.76	19,010	4.18	2,681	0.59	568	0.12
Singida	15,852	7.31	3,151	1.45	103	0.05	396	0.18
Tabora	21,857	7.58	7,054	2.45	417	0.14	279	0.10
Rukwa	32,726	14.46	5,323	2.35	335	0.15	223	0.10
Kigoma	23,935	10.63	6,568	2.92	245	0.11	187	0.08
Shinyanga	50,004	10.31	15,044	3.10	1,853	0.38	88	0.02
Kagera	43,780	10.79	11,245	2.77	873	0.22	629	0.15
Mwanza	33,548	8.41	10,742	2.69	964	0.24	834	0.21
Mara	15,049	6.64	3,897	1.72	803	0.35	172	0.08
Manyara	16,185	8.15	7,393	3.72	760	0.38	517	0.26
Mainland	**569,653**	**9.98**	**182,568**	**3.20**	**15,600**	**0.27**	**5,715**	**0.10**
North Unguja	2,655	8.75	568	1.87	151	0.50	25	0.08
South Unguja	1,440	7.11	322	1.59	91	0.45	0	0.00
Urban West	2,104	11.28	188	1.01	94	0.51	31	0.17
North Pemba	3,574	10.88	709	2.16	204	0.62	0	0.00
South Pemba	2,834	9.44	734	2.44	138	0.46	0	0.00
Zanzibar	**12,608**	**9.54**	**2,522**	**1.91**	**679**	**0.51**	**57**	**0.04**
National	**582,260**	**9.97**	**185,090**	**3.17**	**16,279**	**0.28**	**5,772**	**0.10**

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Cont. Table 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
Region	Number	%	Number	%	Number	%	Number	%
Dodoma	4,013	1.12	1,079	0.30	5,733	1.60	3,588	1.00
Arusha	2,043	0.99	737	0.36	5,111	2.49	4,863	2.37
Kilimanjaro	1,362	0.56	1,517	0.63	2,567	1.06	3,686	1.52
Tanga	2,831	0.86	187	0.06	6,114	1.85	4,204	1.27
Morogoro	2,044	0.69	885	0.30	7,928	2.66	6,549	2.20
Pwani	921	0.53	972	0.56	4,884	2.80	1,849	1.06
Dar es Salaam	154	0.44	349	0.99	709	2.02	466	1.33
Lindi	1,766	1.06	315	0.19	2,051	1.23	820	0.49
Mtwara	3,353	1.34	1,120	0.45	6,168	2.47	482	0.19
Ruvuma	1,033	0.49	300	0.14	4,270	2.03	3,369	1.60
Iringa	502	0.16	795	0.26	9,108	2.97	12,291	4.01
Mbeya	5,011	1.10	1,182	0.26	16,736	3.68	6,698	1.47
Singida	2,087	0.96	0	0.00	2,276	1.05	827	0.38
Tabora	1,853	0.64	193	0.07	3,448	1.20	1,795	0.62
Rukwa	944	0.42	817	0.36	6,211	2.75	5,144	2.27
Kigoma	1,011	0.45	187	0.08	996	0.44	1,386	0.62
Shinyanga	4,142	0.85	1,679	0.35	9,057	1.87	6,819	1.41
Kagera	4,048	1.00	5,970	1.47	9,017	2.22	5,083	1.25
Mwanza	2,770	0.69	1,121	0.28	8,644	2.17	2,590	0.65
Mara	1,360	0.60	969	0.43	2,978	1.31	988	0.44
Manyara	2,848	1.43	416	0.21	10,273	5.17	4,761	2.40
Mainland	**46,096**	**0.81**	**20,793**	**0.36**	**124,279**	**2.18**	**78,262**	**1.37**
North Unguja	328	1.08	25	0.08	145	0.48	265	0.87
South Unguja	81	0.40	0	0.00	274	1.35	304	1.50
Urban West	94	0.51	0	0.00	126	0.67	220	1.18
North Pemba	29	0.09	0	0.00	106	0.32	0	0.00
South Pemba	111	0.37	138	0.46	85	0.28	58	0.19
Zanzibar	**644**	**0.49**	**164**	**0.12**	**735**	**0.56**	**847**	**0.64**
National	**46,740**	**0.80**	**20,956**	**0.36**	**125,015**	**2.14**	**79,108**	**1.36**

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Cont. Table 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation	
	Number	%	Number	%	Number	%	Number	%
Dodoma	8,179	2.28	4,946	1.38	16,935	4.72	536	0.15
Arusha	5,019	2.44	405	0.20	10,636	5.18	314	0.15
Kilimanjaro	4,814	1.98	2,195	0.91	14,851	6.12	212	0.09
Tanga	17,076	5.16	7,078	2.14	11,208	3.39	382	0.12
Morogoro	11,551	3.87	5,335	1.79	14,904	5.00	0	0.00
Pwani	14,235	8.16	4,618	2.65	6,116	3.51	260	0.15
Dar es Salaam	414	1.18	973	2.77	2,053	5.84	68	0.19
Lindi	11,708	7.01	2,970	1.78	7,726	4.63	0	0.00
Mtwara	7,215	2.89	3,960	1.59	10,755	4.31	124	0.05
Ruvuma	8,897	4.23	5,486	2.61	9,488	4.51	332	0.16
Iringa	5,480	1.79	3,701	1.21	10,765	3.51	853	0.28
Mbeya	4,196	0.92	4,566	1.00	28,749	6.32	1,022	0.22
Singida	4,975	2.29	1,963	0.90	7,507	3.46	499	0.23
Tabora	5,205	1.80	973	0.34	12,025	4.17	181	0.06
Rukwa	5,919	2.62	2,835	1.25	7,430	3.28	112	0.05
Kigoma	5,597	2.49	2,550	1.13	5,495	2.44	212	0.09
Shinyanga	2,576	0.53	2,073	0.43	10,816	2.23	771	0.16
Kagera	10,310	2.54	8,252	2.03	21,757	5.36	362	0.09
Mwanza	3,969	0.99	3,677	0.92	20,340	5.10	423	0.11
Mara	5,674	2.50	929	0.41	13,774	6.08	394	0.17
Manyara	4,048	2.04	691	0.35	7,237	3.65	453	0.23
Mainland	**147,054**	**2.58**	**70,176**	**1.23**	**250,566**	**4.39**	**7,509**	**0.13**
North Unguja	2,392	7.88	3,326	10.96	3,126	10.30	32	0.10
South Unguja	2,089	10.31	2,332	11.51	2,561	12.64	30	0.15
Urban West	1,350	7.24	2,732	14.65	1,005	5.39	0	0.00
North Pemba	1,710	5.20	939	2.86	2,532	7.70	29	0.09
South Pemba	633	2.11	1,352	4.50	1,889	6.29	27	0.09
Zanzibar	**8,174**	**6.18**	**10,681**	**8.08**	**11,113**	**8.41**	**118**	**0.09**
National	**155,228**	**2.66**	**80,857**	**1.39**	**261,679**	**4.48**	**7,627**	**0.13**

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Cont. Table 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint					
	Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%
Dodoma	24,712	6.88	3,298	0.92	358,969	100.00
Arusha	13,662	6.65	313	0.15	205,425	100.00
Kilimanjaro	15,134	6.24	878	0.36	242,513	100.00
Tanga	23,665	7.16	1,834	0.55	330,676	100.00
Morogoro	12,965	4.35	5,239	1.76	298,194	100.00
Pwani	9,063	5.19	1,496	0.86	174,465	100.00
Dar es Salaam	2,658	7.56	42	0.12	35,160	100.00
Lindi	6,842	4.10	124	0.07	166,898	100.00
Mtwara	6,462	2.59	812	0.33	249,363	100.00
Ruvuma	1,121	0.53	0	0.00	210,281	100.00
Iringa	3,854	1.26	205	0.07	306,629	100.00
Mbeya	6,864	1.51	3,878	0.85	454,711	100.00
Singida	5,639	2.60	1,235	0.57	216,992	100.00
Tabora	7,592	2.63	1,483	0.51	288,447	100.00
Rukwa	718	0.32	2,787	1.23	226,250	100.00
Kigoma	1,243	0.55	747	0.33	225,171	100.00
Shinyanga	27,387	5.65	589	0.12	484,977	100.00
Kagera	14,606	3.60	1,454	0.36	405,910	100.00
Mwanza	15,793	3.96	1,190	0.30	398,993	100.00
Mara	18,712	8.25	418	0.18	226,731	100.00
Manyara	10,632	5.36	2,270	1.14	198,513	100.00
Mainland	**229,325**	**4.02**	**30,293**	**0.53**	**5,705,267**	**99.99**
North Unguja	1,969	6.49	777	2.56	30,354	100.00
South Unguja	1,323	6.53	799	3.94	20,259	100.00
Urban West	722	3.87	345	1.85	18,651	100.00
North Pemba	1,732	5.27	113	0.34	32,866	100.00
South Pemba	1,189	3.96	295	0.98	30,034	100.00
Zanzibar	**6,936**	**5.25**	**2,329**	**1.76**	**132,164**	**99.98**
National	**236,261**	**4.05**	**32,622**	**0.56**	**5,837,431**	**100.00**

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Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
Region	Number	%	Number	%	Number	%	Number	%
Dodoma	7,028	1.96	5,509	1.54	30,690	8.56	17,782	4.96
Arusha	9,463	4.61	5,887	2.87	14,495	7.06	8,130	3.96
Kilimanjaro	9,578	3.95	1,623	0.67	12,197	5.03	17,092	7.05
Tanga	5,364	1.62	2,606	0.79	28,715	8.68	13,144	3.98
Morogoro	5,868	1.97	6,171	2.07	23,239	7.79	10,460	3.51
Pwani	1,049	0.60	1,527	0.87	14,683	8.41	2,189	1.25
Dar es Salaam	831	2.37	746	2.13	2,645	7.53	1,456	4.14
Lindi	741	0.44	1,354	0.81	14,430	8.65	1,902	1.14
Mtwara	3,782	1.52	2,681	1.07	21,781	8.73	9,809	3.93
Ruvuma	3,746	1.78	852	0.40	13,333	6.34	9,917	4.72
Iringa	8,271	2.70	5,713	1.86	32,998	10.76	25,436	8.29
Mbeya	17,399	3.83	6,696	1.47	39,847	8.76	24,550	5.40
Singida	4,329	1.99	1,310	0.60	11,242	5.18	14,687	6.77
Tabora	3,987	1.38	3,230	1.12	27,128	9.41	21,627	7.50
Rukwa	4,446	1.97	3,170	1.40	14,868	6.57	16,650	7.36
Kigoma	8,022	3.56	1,533	0.68	28,839	12.81	16,188	7.19
Shinyanga	11,157	2.30	10,604	2.19	32,733	6.75	28,118	5.80
Kagera	10,077	2.48	6,448	1.59	27,510	6.78	27,612	6.80
Mwanza	10,657	2.67	4,765	1.19	35,853	8.98	24,365	6.10
Mara	7,233	3.19	3,514	1.55	15,307	6.75	17,812	7.86
Manyara	5,312	2.68	2,493	1.26	14,611	7.36	11,084	5.58
Mainland	**138,339**	**2.42**	**78,429**	**1.37**	**457,145**	**8.01**	**320,008**	**5.61**
North Unguja	823	2.71	715	2.36	1,665	5.49	2,234	7.36
South Unguja	278	1.37	371	1.83	1,622	8.01	1,097	5.41
Urban West	471	2.53	440	2.36	1,382	7.42	722	3.88
North Pemba	680	2.07	420	1.28	1,890	5.75	2,449	7.45
South Pemba	473	1.57	383	1.28	2,630	8.76	2,407	8.01
Zanzibar	**2,724**	**2.06**	**2,329**	**1.76**	**9,188**	**6.95**	**8,909**	**6.74**
Total	**141,064**	**2.42**	**80,758**	**1.38**	**466,334**	**7.99**	**328,918**	**5.63**

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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
	Number	%	Number	%	Number	%	Number	%
Dodoma	30,524	8.51	2,898	0.81	15,081	4.21	40,274	11.23
Arusha	10,796	5.26	5,887	2.87	5,161	2.51	22,471	10.94
Kilimanjaro	13,144	5.42	11,990	4.94	9,960	4.11	33,067	13.64
Tanga	20,651	6.25	6,761	2.04	8,886	2.69	34,366	10.39
Morogoro	20,091	6.74	7,711	2.59	11,640	3.90	29,113	9.76
Pwani	11,208	6.42	4,627	2.65	8,740	5.01	14,939	8.56
Dar es Salaam	2,089	5.95	923	2.63	1,641	4.67	3,837	10.92
Lindi	11,488	6.88	1,430	0.86	10,840	6.49	22,853	13.69
Mtwara	17,411	6.98	2,516	1.01	18,436	7.39	28,894	11.59
Ruvuma	16,355	7.78	4,048	1.92	11,582	5.51	18,258	8.68
Iringa	24,770	8.07	4,953	1.61	14,589	4.76	26,934	8.78
Mbeya	32,156	7.07	6,056	1.33	20,610	4.53	40,915	9.00
Singida	20,992	9.67	5,674	2.61	17,147	7.90	35,657	16.43
Tabora	26,139	9.07	8,984	3.12	21,077	7.31	44,036	15.28
Rukwa	17,616	7.79	4,134	1.83	10,924	4.83	26,549	11.73
Kigoma	25,665	11.40	2,448	1.09	11,850	5.26	28,458	12.64
Shinyanga	37,287	7.69	11,692	2.41	25,835	5.33	67,761	13.98
Kagera	28,436	7.01	6,074	1.50	18,667	4.60	39,487	9.73
Mwanza	23,043	5.77	10,514	2.63	20,948	5.25	57,577	14.42
Mara	18,856	8.32	6,869	3.03	11,585	5.11	26,506	11.69
Manyara	13,074	6.59	3,414	1.72	6,877	3.46	27,074	13.64
Mainland	**421,790**	**7.39**	**119,602**	**2.10**	**282,075**	**4.94**	**669,026**	**11.73**
North Unguja	2,097	6.91	696	2.29	1,207	3.98	1,532	5.05
South Unguja	724	3.57	235	1.16	282	1.39	937	4.62
Urban West	691	3.71	345	1.85	345	1.85	848	4.55
North Pemba	2,079	6.33	406	1.23	1,335	4.06	1,920	5.84
South Pemba	1,809	6.02	213	0.71	1,334	4.44	3,267	10.88
Zanzibar	**7,400**	**5.60**	**1,895**	**1.43**	**4,503**	**3.41**	**8,503**	**6.43**
Total	**429,190**	**7.35**	**121,497**	**2.08**	**286,578**	**4.91**	**677,530**	**11.61**

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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Extension Services		Access to Forest Resources		Hunting and Gathering		Access to Potable Water	
	Number	%	Number	%	Number	%	Number	%
Dodoma	19,025	5.31	1,000	0.28	308	0.09	16,796	4.68
Arusha	9,752	4.75	1,732	0.84	262	0.13	12,055	5.87
Kilimanjaro	16,338	6.74	263	0.11	0	0.00	9,332	3.85
Tanga	26,062	7.88	196	0.06	372	0.11	9,911	3.00
Morogoro	18,345	6.15	1,334	0.45	577	0.19	4,978	1.67
Pwani	9,017	5.17	132	0.08	103	0.06	5,262	3.02
Dar es Salaam	2,747	7.82	0	0.00	0	0.00	2,173	6.19
Lindi	16,138	9.67	0	0.00	124	0.07	2,344	1.40
Mtwara	25,274	10.13	228	0.09	124	0.05	10,449	4.19
Ruvuma	22,538	10.72	141	0.07	0	0.00	959	0.46
Iringa	15,583	5.08	377	0.12	924	0.30	5,495	1.79
Mbeya	36,654	8.06	1,167	0.26	513	0.11	13,068	2.87
Singida	18,909	8.71	884	0.41	216	0.10	5,594	2.58
Tabora	28,320	9.83	0	0.00	142	0.05	9,516	3.30
Rukwa	23,354	10.32	513	0.23	112	0.05	766	0.34
Kigoma	15,092	6.70	399	0.18	0	0.00	2,026	0.90
Shinyanga	31,637	6.53	1,438	0.30	1,023	0.21	15,503	3.20
Kagera	34,408	8.48	667	0.16	652	0.16	9,443	2.33
Mwanza	38,604	9.67	286	0.07	106	0.03	5,714	1.43
Mara	14,260	6.29	340	0.15	652	0.29	8,518	3.76
Manyara	10,676	5.38	318	0.16	416	0.21	7,844	3.95
Mainland	**432,732**	**7.58**	**11,418**	**0.20**	**6,626**	**0.12**	**157,747**	**2.76**
North Unguja	3,263	10.75	25	0.08	25	0.08	866	2.85
South Unguja	2,194	10.83	32	0.16	0	0.00	553	2.73
Urban West	1,790	9.61	31	0.17	31	0.17	314	1.69
North Pemba	4,544	13.83	77	0.23	0	0.00	754	2.29
South Pemba	3,576	11.91	27	0.09	0	0.00	605	2.01
Zanzibar	**15,368**	**11.62**	**193**	**0.15**	**57**	**0.04**	**3,093**	**2.34**
Total	**448,100**	**7.68**	**11,611**	**0.20**	**6,683**	**0.11**	**160,840**	**2.76**

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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Access to Credit		Access to Off Farm Income		Threshing		Harvesting	
Region	Number	%	Number	%	Number	%	Number	%
Dodoma	34,283	9.56	21,267	5.93	1,794	0.50	560	0.16
Arusha	18,777	9.14	23,733	11.55	332	0.16	0	0.00
Kilimanjaro	20,208	8.33	17,038	7.03	513	0.21	87	0.04
Tanga	37,585	11.37	17,188	5.20	1,293	0.39	175	0.05
Morogoro	31,768	10.65	15,114	5.07	1,429	0.48	556	0.19
Pwani	20,770	11.90	6,239	3.57	299	0.17	138	0.08
Dar es Salaam	3,793	10.80	1,190	3.39	164	0.47	0	0.00
Lindi	22,251	13.33	6,501	3.89	354	0.21	406	0.24
Mtwara	24,821	9.95	11,100	4.45	1,371	0.55	0	0.00
Ruvuma	31,557	15.01	7,499	3.57	236	0.11	87	0.04
Iringa	36,895	12.03	22,442	7.31	1,028	0.34	587	0.19
Mbeya	47,833	10.52	31,447	6.91	2,216	0.49	1,095	0.24
Singida	18,391	8.48	9,240	4.26	497	0.23	103	0.05
Tabora	23,561	8.17	15,879	5.51	1,223	0.42	731	0.25
Rukwa	27,810	12.29	13,784	6.09	2,622	1.16	1,053	0.47
Kigoma	33,220	14.75	9,798	4.35	578	0.26	0	0.00
Shinyanga	43,577	8.99	33,494	6.91	2,692	0.56	393	0.08
Kagera	53,783	13.25	24,365	6.00	1,962	0.48	647	0.16
Mwanza	40,174	10.06	18,272	4.58	1,778	0.45	850	0.21
Mara	17,105	7.54	7,976	3.52	685	0.30	309	0.14
Manyara	15,850	7.98	12,806	6.45	928	0.47	545	0.27
Mainland	**604,010**	**10.59**	**326,371**	**5.72**	**23,991**	**0.42**	**8,323**	**0.15**
North Unguja	2,288	7.54	634	2.09	340	1.12	25	0.08
South Unguja	1,073	5.30	450	2.22	79	0.39	0	0.00
Urban West	1,633	8.77	502	2.70	220	1.18	31	0.17
North Pemba	2,731	8.31	1,213	3.69	55	0.17	0	0.00
South Pemba	2,749	9.15	1,127	3.75	312	1.04	0	0.00
Zanzibar	**10,474**	**7.92**	**3,926**	**2.97**	**1,006**	**0.76**	**57**	**0.04**
Total	**614,484**	**10.53**	**330,297**	**5.66**	**24,997**	**0.43**	**8,380**	**0.14**

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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
	Number	%	Number	%	Number	%	Number	%
Dodoma	11,810	3.29	1,976	0.55	11,639	3.25	6,923	1.93
Arusha	3,574	1.74	561	0.27	9,266	4.51	8,420	4.10
Kilimanjaro	1,859	0.77	1,856	0.77	5,000	2.06	7,556	3.12
Tanga	12,390	3.75	1,229	0.37	14,149	4.28	6,338	1.92
Morogoro	6,492	2.18	1,980	0.66	16,372	5.49	10,966	3.68
Pwani	2,131	1.22	2,663	1.53	9,025	5.17	3,769	2.16
Dar es Salaam	254	0.72	349	0.99	1,032	2.94	709	2.02
Lindi	3,726	2.23	714	0.43	4,528	2.71	1,446	0.87
Mtwara	7,639	3.06	2,487	1.00	9,622	3.86	1,548	0.62
Ruvuma	2,572	1.22	1,473	0.70	9,288	4.42	8,461	4.02
Iringa	4,399	1.43	2,033	0.66	15,634	5.10	18,282	5.96
Mbeya	9,672	2.13	2,677	0.59	29,833	6.56	14,788	3.25
Singida	8,914	4.11	386	0.18	7,281	3.36	1,820	0.84
Tabora	3,978	1.38	1,953	0.68	3,613	1.25	5,497	1.91
Rukwa	3,493	1.54	5,715	2.53	9,121	4.03	6,801	3.01
Kigoma	4,062	1.80	849	0.38	3,124	1.39	3,528	1.57
Shinyanga	9,100	1.88	4,064	0.84	19,435	4.01	7,844	1.62
Kagera	9,118	2.25	3,267	0.81	18,507	4.56	7,212	1.78
Mwanza	7,926	1.99	1,869	0.47	13,584	3.40	3,832	0.96
Mara	2,583	1.14	971	0.43	6,995	3.08	2,858	1.26
Manyara	5,792	2.92	1,498	0.75	12,051	6.07	6,688	3.37
Mainland	**121,483**	**2.13**	**40,570**	**0.71**	**229,100**	**4.02**	**135,285**	**2.37**
North Unguja	366	1.21	25	0.08	114	0.38	285	0.94
South Unguja	391	1.93	32	0.16	444	2.19	322	1.59
Urban West	314	1.69	0	0.00	471	2.53	157	0.84
North Pemba	135	0.41	51	0.16	267	0.81	128	0.39
South Pemba	303	1.01	89	0.30	107	0.36	173	0.58
Zanzibar	**1,510**	**1.14**	**198**	**0.15**	**1,403**	**1.06**	**1,066**	**0.81**
Total	**122,993**	**2.11**	**40,769**	**0.70**	**230,503**	**3.95**	**136,351**	**2.34**

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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation	
	Number	%	Number	%	Number	%	Number	%
Dodoma	13,651	3.81	6,165	1.72	24,258	6.76	1,917	0.53
Arusha	4,832	2.35	2,031	0.99	12,582	6.12	748	0.36
Kilimanjaro	8,530	3.52	3,795	1.56	22,296	9.19	448	0.18
Tanga	24,031	7.27	8,467	2.56	21,963	6.64	569	0.17
Morogoro	19,090	6.40	8,286	2.78	21,617	7.25	1,126	0.38
Pwani	20,787	11.91	5,632	3.23	12,689	7.27	313	0.18
Dar es Salaam	513	1.46	2,087	5.94	3,069	8.74	0	0.00
Lindi	19,109	11.45	4,229	2.53	10,877	6.52	772	0.46
Mtwara	13,085	5.25	7,535	3.02	17,592	7.05	468	0.19
Ruvuma	11,747	5.59	8,614	4.10	24,905	11.84	781	0.37
Iringa	10,587	3.45	5,992	1.95	17,282	5.63	988	0.32
Mbeya	9,691	2.13	6,794	1.49	40,607	8.93	1,590	0.35
Singida	7,951	3.66	1,804	0.83	11,080	5.11	874	0.40
Tabora	4,130	1.43	2,273	0.79	19,999	6.94	432	0.15
Rukwa	7,047	3.11	6,641	2.94	12,097	5.35	1,621	0.72
Kigoma	5,385	2.39	8,232	3.66	12,692	5.64	0	0.00
Shinyanga	7,270	1.50	4,555	0.94	29,993	6.19	7,165	1.48
Kagera	12,527	3.09	8,105	2.00	32,404	7.98	634	0.16
Mwanza	8,087	2.03	3,777	0.95	37,873	9.49	622	0.16
Mara	9,369	4.13	3,495	1.54	18,980	8.37	1,041	0.46
Manyara	9,796	4.93	2,220	1.12	9,293	4.68	716	0.36
Mainland	**227,215**	**3.98**	**110,728**	**1.94**	**414,148**	**7.26**	**22,825**	**0.40**
North Unguja	1,612	5.31	3,382	11.14	3,476	11.45	151	0.50
South Unguja	1,655	8.17	2,235	11.03	2,213	10.92	47	0.23
Urban West	1,162	6.24	3,454	18.55	1,382	7.42	31	0.17
North Pemba	2,102	6.40	2,210	6.72	4,918	14.96	0	0.00
South Pemba	619	2.06	2,344	7.81	3,581	11.92	85	0.28
Zanzibar	**7,149**	**5.41**	**13,625**	**10.31**	**15,570**	**11.78**	**314**	**0.24**
Total	**234,364**	**4.02**	**124,353**	**2.13**	**429,718**	**7.36**	**23,139**	**0.40**

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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint					
	Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%
Dodoma	29,481	8.22	5,981	1.67	358,622	100.00
Arusha	13,724	6.68	755	0.37	205,425	100.00
Kilimanjaro	17,718	7.31	1,025	0.42	242,513	100.00
Tanga	25,736	7.78	2,526	0.76	330,676	100.00
Morogoro	19,705	6.61	4,166	1.40	298,194	100.00
Pwani	14,194	8.13	2,399	1.37	174,523	100.00
Dar es Salaam	2,790	7.94	85	0.24	35,123	100.00
Lindi	8,261	4.95	79	0.05	166,898	100.00
Mtwara	9,931	3.98	796	0.32	249,377	100.00
Ruvuma	1,165	0.55	169	0.08	210,281	100.00
Iringa	3,732	1.22	874	0.28	306,798	100.00
Mbeya	10,119	2.22	6,830	1.50	454,824	100.00
Singida	10,764	4.96	1,249	0.58	216,992	100.00
Tabora	8,658	3.00	2,128	0.74	288,238	100.00
Rukwa	1,887	0.83	3,457	1.53	226,250	100.00
Kigoma	2,452	1.09	732	0.33	225,171	100.00
Shinyanga	39,093	8.07	1,244	0.26	484,707	100.00
Kagera	19,760	4.87	4,044	1.00	405,818	100.00
Mwanza	26,122	6.54	2,073	0.52	399,270	100.00
Mara	22,302	9.84	612	0.27	226,731	100.00
Manyara	14,066	7.09	3,071	1.55	198,513	100.00
Mainland	**301,660**	**5.29**	**44,293**	**0.78**	**5,704,942**	**99.98**
North Unguja	1,925	6.34	580	1.91	30,354	100.00
South Unguja	1,982	9.78	1,009	4.98	20,259	100.00
Urban West	1,225	6.58	628	3.37	18,620	100.00
North Pemba	2,163	6.58	340	1.03	32,866	100.00
South Pemba	1,594	5.31	227	0.76	30,034	100.00
Zanzibar	**8,888**	**6.72**	**2,784**	**2.11**	**132,133**	**99.95**
Total	**310,549**	**5.32**	**47,078**	**0.81**	**5,837,075**	**100.00**

Table 9.11.5 EROSION CONTROL: Number of Erosion Control/Water Harvesting Structures by Type and Region as of 2007/08 agriculture year

Region	Terraces	Erosion Control Bunds	Gabions / Sandbag	Vetiver Grass	Tree Belts	Water Harvesting Bunds	Drainage Ditches	Others
Dodoma	68,117	240,800	25,438	32,803	22,440	49,415	8,927	11,131
Arusha	76,473	57,801	26,288	10,586	7,454	12,850	12,977	2,273
Kilimanjaro	265,159	105,330	10,066	18,777	6,339	7,507	63,962	29,651
Tanga	118,089	23,343	1,981	76,218	52,858	2,286	11,018	5,738
Morogoro	55,583	120,844	2,466	8,226	37,022	6,922	7,995	8,513
Pwani	10,289	1,755	2,883	662	5,559	0	288	87
Dar es Salaam	2,210	8,647	847	1,748	593	2,076	403	85
Lindi	11,811	26,627	607	1,971	6,384	474	94	2,539
Mtwara	12,655	5,607	0	465	30,547	1,120	204	0
Ruvuma	647,059	20,606	262	118,740	15,555	1,050	7,379	5,487
Iringa	561,330	448,311	2,689	68,524	6,583	31,684	18,814	6,283
Mbeya	54,083	95,615	1,816	6,906	11,924	100,502	38,246	28,290
Singida	49,077	108,018	7,264	8,481	7,471	8,850	4,696	1,389
Tabora	34,095	70,670	1,531	5,358	0	24,871	3,690	9,354
Rukwa	46,051	57,534	1,801	2,582	16,240	31,439	7,788	2,802
Kigoma	41,264	253,644	0	0	373	10,421	10,846	783
Shinyanga	301,754	366,315	1,047	1,511	17,518	13,923	21,841	5,489
Kagera	52,370	152,220	704	24,102	16,570	35,971	87,456	144,867
Mwanza	162,858	312,560	6,565	9,138	37,251	17,934	91,406	7,578
Mara	47,905	113,060	280	1,114	1,415	19,930	14,406	64,319
Manyara	81,177	63,786	571	4,145	11,433	8,008	32,982	158
MAINLAND	**2,699,407**	**2,653,093**	**95,108**	**402,055**	**311,528**	**387,233**	**445,420**	**336,816**
North Unguja	0	779	0	0	153	0	0	0
South Unguja	274	152	0	0	0	0	0	0
Urban West	31	2,449	0	471	659	31	63	0
North Pemba	128	914	0	0	216	0	164	0
South Pemba	0	388	0	0	0	27	31	31
ZANZIBAR	**433**	**4,682**	**0**	**471**	**1,028**	**58**	**258**	**31**
NATIONAL	**2,699,840**	**2,657,775**	**95,108**	**402,526**	**312,555**	**387,292**	**445,678**	**336,847**

Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
	Number	%	Number	%	Number	%	Number	%
Dodoma	8,748	2.44	6,868	1.91	19,232	5.36	16,629	4.63
Arusha	7,902	3.84	6,880	3.35	13,592	6.61	7,888	3.84
Kilimanjaro	8,169	3.37	2,772	1.14	18,877	7.78	18,821	7.76
Tanga	4,886	1.48	3,202	0.97	19,542	5.91	13,815	4.18
Morogoro	7,056	2.37	7,408	2.48	19,220	6.44	10,453	3.50
Pwani	2,319	1.33	2,614	1.50	12,635	7.24	3,258	1.87
Dar es Salaam	863	2.46	1,052	3.00	2,624	7.48	1,720	4.90
Lindi	1,300	0.78	1,145	0.69	9,543	5.72	2,221	1.33
Mtwara	2,417	0.97	2,951	1.19	14,066	5.65	11,702	4.70
Ruvuma	1,663	0.79	3,997	1.90	12,576	5.98	10,546	5.02
Iringa	9,096	2.97	7,193	2.35	25,732	8.40	20,965	6.84
Mbeya	17,850	3.93	10,852	2.39	38,814	8.54	23,844	5.24
Singida	5,387	2.48	2,533	1.17	9,087	4.19	8,905	4.10
Tabora	4,597	1.59	2,877	1.00	20,019	6.94	15,382	5.33
Rukwa	3,521	1.56	4,484	1.98	10,502	4.64	12,638	5.59
Kigoma	7,019	3.12	5,052	2.24	16,684	7.41	11,413	5.07
Shinyanga	14,526	3.00	11,510	2.38	30,903	6.38	17,934	3.70
Kagera	8,524	2.10	7,380	1.82	25,606	6.31	19,219	4.73
Mwanza	11,079	2.78	6,071	1.52	27,826	6.98	22,642	5.68
Mara	5,631	2.48	4,198	1.85	17,041	7.52	14,250	6.28
Manyara	5,757	2.90	3,472	1.75	12,719	6.41	9,966	5.02
Mainland	**138,312**	**2.42**	**104,512**	**1.83**	**376,840**	**6.60**	**274,213**	**4.81**
North Unguja	739	2.44	697	2.30	2,013	6.63	1,487	4.90
South Unguja	290	1.43	219	1.08	1,344	6.65	1,349	6.67
Urban West	471	2.53	628	3.37	1,225	6.57	628	3.37
North Pemba	245	0.75	362	1.10	1,791	5.45	1,305	3.97
South Pemba	423	1.41	429.11.43709530781	1.43	1,551	5.17	1,817	6.05
Zanzibar	**2,168**	**1.64**	**2,335**	**1.77**	**7,924**	**5.99**	**6,586**	**4.98**
Total	**140,480**	**2.41**	**106,847**	**1.83**	**384,764**	**6.59**	**280,799**	**4.81**
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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
	Number	%	Number	%	Number	%	Number	%
Dodoma	23,152	6.45	4,360	1.21	16,974	4.73	29,689	8.27
Arusha	10,222	4.97	5,420	2.64	5,181	2.52	15,825	7.70
Kilimanjaro	9,357	3.86	13,087	5.40	9,177	3.78	19,009	7.84
Tanga	22,826	6.90	8,007	2.42	10,996	3.33	30,058	9.09
Morogoro	19,711	6.61	7,283	2.44	10,536	3.53	21,241	7.12
Pwani	11,604	6.65	3,502	2.01	6,369	3.65	15,051	8.63
Dar es Salaam	2,302	6.56	852	2.43	1,062	3.03	2,682	7.64
Lindi	14,045	8.42	2,298	1.38	9,426	5.65	14,336	8.59
Mtwara	15,556	6.25	2,922	1.17	13,687	5.50	21,902	8.79
Ruvuma	13,314	6.33	5,108	2.43	10,597	5.04	12,273	5.84
Iringa	25,331	8.27	6,038	1.97	16,280	5.31	18,642	6.08
Mbeya	26,818	5.90	8,296	1.82	23,363	5.14	24,898	5.48
Singida	14,549	6.70	3,458	1.59	13,057	6.02	22,744	10.48
Tabora	25,860	8.97	7,225	2.51	19,344	6.71	27,646	9.59
Rukwa	20,130	8.90	3,467	1.53	9,991	4.42	21,136	9.34
Kigoma	24,538	10.90	2,159	0.96	10,744	4.77	19,321	8.58
Shinyanga	24,124	4.98	12,385	2.56	27,920	5.76	40,293	8.32
Kagera	33,185	8.18	5,504	1.36	17,074	4.21	33,804	8.33
Mwanza	27,551	6.91	10,898	2.73	20,902	5.24	48,205	12.09
Mara	13,207	5.83	5,664	2.50	8,576	3.78	15,932	7.03
Manyara	16,007	8.06	3,282	1.65	5,557	2.80	15,377	7.75
Mainland	**393,389**	**6.89**	**121,215**	**2.12**	**266,815**	**4.68**	**470,062**	**8.24**
North Unguja	2,266	7.47	619	2.04	1,360	4.48	1,842	6.07
South Unguja	931	4.60	416	2.05	531	2.63	1,148	5.67
Urban West	1,225	6.57	220	1.18	314	1.68	691	3.70
North Pemba	2,112	6.43	300	0.91	1,056	3.21	1,956	5.95
South Pemba	2,029	6.75	134	0.45	1,256	4.18	2,058	6.85
Zanzibar	**8,562**	**6.48**	**1,688**	**1.28**	**4,517**	**3.42**	**7,695**	**5.82**
Total	**401,951**	**6.89**	**122,903**	**2.11**	**271,332**	**4.65**	**477,756**	**8.19**
Cont…								

Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Extension Services		Access to Forest Resources		Hunting and Gathering		Access to Potable Water	
	Number	%	Number	%	Number	%	Number	%
Dodoma	15,714	4.38	1,099	0.31	898	0.25	10,980	3.06
Arusha	7,314	3.56	1,741	0.85	563	0.27	8,682	4.22
Kilimanjaro	15,469	6.38	481	0.20	212	0.09	10,340	4.26
Tanga	23,426	7.08	476	0.14	512	0.15	9,926	3.00
Morogoro	17,809	5.97	509	0.17	281	0.09	5,737	1.92
Pwani	7,507	4.30	407	0.23	251	0.14	4,029	2.31
Dar es Salaam	2,262	6.45	37	0.11	0	0.00	1,237	3.53
Lindi	19,188	11.50	0	0.00	0	0.00	2,791	1.67
Mtwara	18,090	7.26	214	0.09	0	0.00	10,494	4.21
Ruvuma	19,723	9.38	344	0.16	207	0.10	2,260	1.07
Iringa	18,046	5.89	1,242	0.41	175	0.06	5,852	1.91
Mbeya	30,968	6.81	1,268	0.28	322	0.07	11,548	2.54
Singida	18,739	8.64	422	0.19	309	0.14	5,530	2.55
Tabora	29,249	10.14	236	0.08	142	0.05	10,505	3.64
Rukwa	17,031	7.53	112	0.05	0	0.00	1,201	0.53
Kigoma	20,802	9.24	187	0.08	373	0.17	1,693	0.75
Shinyanga	30,881	6.38	641	0.13	505	0.10	14,318	2.96
Kagera	31,042	7.65	417	0.10	261	0.06	7,124	1.76
Mwanza	34,026	8.53	511	0.13	202	0.05	10,027	2.51
Mara	19,537	8.62	254	0.11	340	0.15	7,844	3.46
Manyara	14,501	7.30	514	0.26	464	0.23	7,236	3.65
Mainland	**411,324**	**7.21**	**11,111**	**0.19**	**6,015**	**0.11**	**149,356**	**2.62**
North Unguja	2,364	7.79	57	0.19	25	0.08	450	1.48
South Unguja	1,792	8.86	16	0.08	0	0.00	479	2.37
Urban West	1,350	7.24	63	0.34	0	0.00	283	1.52
North Pemba	3,074	9.35	77	0.23	0	0.00	414	1.26
South Pemba	2,609	8.69	27	0.09	27	0.09	556	1.85
Zanzibar	**11,189**	**8.46**	**240**	**0.18**	**52**	**0.04**	**2,180**	**1.65**
Total	**422,514**	**7.24**	**11,351**	**0.19**	**6,068**	**0.10**	**151,535**	**2.60**

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Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Access to Credit		Access to Off Farm Income		Threshing		Harvesting	
	Number	%	Number	%	Number	%	Number	%
Dodoma	44,584	12.42	17,734	4.94	1,391	0.39	1,081	0.30
Arusha	17,916	8.72	13,529	6.58	835	0.41	285	0.14
Kilimanjaro	20,530	8.47	15,641	6.45	465	0.19	88	0.04
Tanga	32,716	9.89	15,131	4.58	2,550	0.77	167	0.05
Morogoro	27,514	9.22	13,530	4.54	1,668	0.56	140	0.05
Pwani	14,509	8.32	5,275	3.02	203	0.12	0	0.00
Dar es Salaam	3,878	11.05	1,126	3.21	42	0.12	0	0.00
Lindi	19,638	11.77	5,402	3.24	780	0.47	188	0.11
Mtwara	26,844	10.78	9,363	3.76	1,142	0.46	1,000	0.40
Ruvuma	23,978	11.40	7,325	3.48	117	0.06	169	0.08
Iringa	31,996	10.44	20,207	6.59	629	0.21	497	0.16
Mbeya	49,172	10.81	22,898	5.04	4,470	0.98	812	0.18
Singida	24,849	11.45	11,750	5.42	0	0.00	206	0.09
Tabora	32,036	11.11	11,981	4.15	613	0.21	688	0.24
Rukwa	27,975	12.36	13,314	5.88	337	0.15	559	0.25
Kigoma	31,390	13.94	10,879	4.83	878	0.39	0	0.00
Shinyanga	52,685	10.88	29,960	6.19	3,249	0.67	1,134	0.23
Kagera	48,038	11.83	18,513	4.56	2,015	0.50	1,227	0.30
Mwanza	52,345	13.13	12,887	3.23	1,437	0.36	680	0.17
Mara	25,486	11.24	9,793	4.32	612	0.27	340	0.15
Manyara	17,220	8.67	8,888	4.48	1,128	0.57	510	0.26
Mainland	**625,298**	**10.96**	**275,126**	**4.82**	**24,564**	**0.43**	**9,770**	**0.17**
North Unguja	2,112	6.96	588	1.94	88	0.29	0	0.00
South Unguja	1,683	8.32	383	1.89	168	0.83	0	0.00
Urban West	1,444	7.74	377	2.02	220	1.18	0	0.00
North Pemba	3,817	11.61	812	2.47	102	0.31	0	0.00
South Pemba	3,525	11.74	1,364	4.54	223	0.74	27	0.09
Zanzibar	**12,582**	**9.52**	**3,523**	**2.66**	**802**	**0.61**	**27**	**0.02**
Total	**637,880**	**10.93**	**278,648**	**4.77**	**25,365**	**0.43**	**9,797**	**0.17**
Cont…								

Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
	Number	%	Number	%	Number	%	Number	%
Dodoma	15,532	4.33	2,107	0.59	16,550	4.61	7,753	2.16
Arusha	10,692	5.20	676	0.33	11,911	5.79	8,477	4.12
Kilimanjaro	2,818	1.16	1,073	0.44	6,354	2.62	8,712	3.59
Tanga	8,800	2.66	1,068	0.32	17,518	5.30	6,155	1.86
Morogoro	5,160	1.73	1,381	0.46	12,104	4.06	15,964	5.35
Pwani	1,913	1.10	2,306	1.32	8,241	4.73	4,192	2.40
Dar es Salaam	222	0.63	307	0.88	1,243	3.54	710	2.02
Lindi	5,278	3.16	863	0.52	4,928	2.95	1,570	0.94
Mtwara	7,242	2.91	2,237	0.90	8,734	3.51	1,956	0.79
Ruvuma	3,242	1.54	1,847	0.88	9,548	4.54	8,907	4.24
Iringa	2,933	0.96	2,152	0.70	18,397	6.00	19,309	6.30
Mbeya	10,497	2.31	4,899	1.08	34,790	7.65	12,937	2.84
Singida	6,174	2.85	914	0.42	9,306	4.29	3,904	1.80
Tabora	6,210	2.15	2,565	0.89	7,365	2.55	7,186	2.49
Rukwa	4,861	2.15	1,406	0.62	13,247	5.85	8,488	3.75
Kigoma	4,308	1.91	1,648	0.73	7,646	3.40	4,300	1.91
Shinyanga	10,091	2.08	3,132	0.65	20,745	4.28	14,266	2.95
Kagera	8,658	2.13	3,684	0.91	21,522	5.30	10,821	2.67
Mwanza	7,318	1.84	3,013	0.76	13,723	3.44	5,197	1.30
Mara	2,112	0.93	1,181	0.52	7,032	3.10	4,413	1.95
Manyara	6,420	3.23	1,617	0.81	13,044	6.57	6,326	3.19
Mainland	**130,481**	**2.29**	**40,077**	**0.70**	**263,947**	**4.63**	**161,543**	**2.83**
North Unguja	297	0.98	57	0.19	291	0.96	234	0.77
South Unguja	621	3.07	32	0.16	365	1.80	353	1.74
Urban West	126	0.67	0	0.00	251	1.35	188	1.01
North Pemba	278	0.84	84	0.26	260	0.79	139	0.42
South Pemba	299	0.99	272	0.91	227	0.76	116	0.38
Zanzibar	**1,620**	**1.23**	**445**	**0.34**	**1,394**	**1.05**	**1,029**	**0.78**
Total	**132,101**	**2.26**	**40,522**	**0.69**	**265,341**	**4.55**	**162,572**	**2.79**
Cont…								

Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint							
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation	
	Number	%	Number	%	Number	%	Number	%
Dodoma	16,007	4.46	8,512	2.37	21,733	6.05	1,993	0.56
Arusha	4,815	2.34	2,029	0.99	15,169	7.38	336	0.16
Kilimanjaro	8,683	3.58	5,872	2.42	25,964	10.71	618	0.25
Tanga	24,393	7.38	12,767	3.86	20,740	6.27	1,836	0.56
Morogoro	16,904	5.67	10,974	3.68	26,729	8.96	1,367	0.46
Pwani	14,594	8.37	8,055	4.62	18,718	10.73	1,054	0.60
Dar es Salaam	723	2.06	2,729	7.78	3,093	8.82	68	0.19
Lindi	16,069	9.63	7,117	4.26	19,175	11.49	1,523	0.91
Mtwara	16,696	6.70	9,145	3.67	28,974	11.63	1,257	0.50
Ruvuma	16,022	7.62	14,888	7.08	24,256	11.53	2,195	1.04
Iringa	10,750	3.51	7,696	2.51	26,215	8.55	2,366	0.77
Mbeya	4,502	0.99	10,212	2.25	49,586	10.90	4,866	1.07
Singida	9,917	4.57	1,470	0.68	17,122	7.89	1,245	0.57
Tabora	5,275	1.83	3,677	1.28	23,296	8.08	908	0.31
Rukwa	7,037	3.11	3,207	1.42	19,383	8.57	1,445	0.64
Kigoma	4,667	2.07	12,407	5.51	19,364	8.60	483	0.21
Shinyanga	5,266	1.09	5,195	1.07	33,171	6.85	2,608	0.54
Kagera	16,332	4.02	12,069	2.97	38,607	9.51	1,356	0.33
Mwanza	6,675	1.67	8,459	2.12	31,518	7.90	2,154	0.54
Mara	9,156	4.04	3,393	1.50	18,338	8.09	535	0.24
Manyara	6,674	3.36	3,059	1.54	15,540	7.83	1,118	0.56
Mainland	**221,156**	**3.88**	**152,930**	**2.68**	**496,691**	**8.70**	**31,331**	**0.55**
North Unguja	1,892	6.23	2,575	8.48	3,500	11.53	277	0.91
South Unguja	1,152	5.70	1,203	5.95	2,444	12.08	65	0.32
Urban West	911	4.88	2,449	13.13	2,261	12.12	31	0.17
North Pemba	1,700	5.17	1,985	6.04	4,105	12.49	0	0.00
South Pemba	1,090	3.63	2,057	6.85	4,103	13.66	80	0.27
Zanzibar	**6,744**	**5.10**	**10,269**	**7.77**	**16,412**	**12.42**	**454**	**0.34**
Total	**227,900**	**3.90**	**163,200**	**2.80**	**513,103**	**8.79**	**31,785**	**0.54**
Cont…								

Cont. Table 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by Region, 2007/08 Agricultural Year

Region	Constraint					
	Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%
Dodoma	39,192	10.92	10,526	2.93	359,037	100.00
Arusha	24,135	11.74	3,536	1.72	205,547	100.00
Kilimanjaro	18,510	7.63	1,414	0.58	242,513	100.00
Tanga	35,069	10.61	4,090	1.24	330,676	100.00
Morogoro	26,607	8.92	10,998	3.69	298,282	100.00
Pwani	21,132	12.12	4,675	2.68	174,414	100.00
Dar es Salaam	3,624	10.33	625	1.78	35,086	100.00
Lindi	7,997	4.79	79	0.05	166,898	100.00
Mtwara	19,388	7.79	1,061	0.43	249,039	100.00
Ruvuma	4,797	2.28	382	0.18	210,281	100.00
Iringa	6,483	2.12	2,237	0.73	306,460	100.00
Mbeya	13,191	2.90	13,071	2.87	454,746	100.00
Singida	19,921	9.18	5,494	2.53	216,992	100.00
Tabora	17,805	6.17	5,701	1.98	288,391	100.00
Rukwa	9,196	4.06	11,585	5.12	226,250	100.00
Kigoma	3,306	1.47	3,910	1.74	225,171	100.00
Shinyanga	72,841	15.04	4,108	0.85	484,392	100.00
Kagera	27,168	6.69	6,760	1.67	405,910	100.00
Mwanza	30,129	7.56	3,239	0.81	398,716	100.00
Mara	28,988	12.79	2,878	1.27	226,731	100.00
Manyara	16,831	8.48	5,287	2.66	198,513	100.00
Mainland	**446,309**	**7.82**	**101,655**	**1.78**	**5,704,043**	**99.97**
North Unguja	3,162	10.42	1,363	4.49	30,354	100.00
South Unguja	2,032	10.05	1,210	5.98	20,226	100.00
Urban West	2,072	11.11	1,225	6.57	18,651	100.00
North Pemba	5,677	17.27	1,216	3.70	32,866	100.00
South Pemba	3,202	10.66	534	1.78	30,034	100.00
Zanzibar	**16,146**	**12.21**	**5,548**	**4.20**	**132,131**	**99.95**
Total	**462,455**	**7.92**	**107,203**	**1.84**	**5,836,175**	**100.00**

POVERTY INDICATORS

10.1 HOUSEHOLD FACILITIES: Number of households reporting average number of rooms and type of building Materials and Region, 2007/08 Agricultural Year

Region	Roofing Materials								
	Number of rooms	Iron Sheets	Tiles	Concrete	Asbestos	Grass/Leaves	Grass & Mud	Other	Total
Dodoma	2	170,663	615	376	1,700	20,333	159,693	5,589	358,969
Arusha	2	113,811	2,013	911	2,411	69,371	16,660	371	205,547
Kilimanjaro	3	226,120	1,497	216	522	12,535	1,692	125	242,708
Tanga	3	181,810	6,573	596	2,684	131,908	4,976	2,231	330,779
Morogoro	3	156,195	6,679	144	2,503	121,463	11,013	424	298,421
Pwani	3	73,361	2,184	219	2,506	91,209	4,656	388	174,523
Dar es Salaam	3	30,837	603	37	68	3,376	196	42	35,160
Lindi	2	37,886	1,799	327	2,633	119,081	4,991	181	166,898
Mtwara	3	64,327	1,816	610	2,285	170,047	10,287	0	249,373
Ruvuma	3	88,005	1,373	373	2,310	111,013	6,970	236	210,281
Iringa	3	180,483	3,526	376	3,642	104,693	13,909	0	306,629
Mbeya	2	278,593	1,922	263	5,625	154,331	13,294	796	454,824
Singida	3	67,673	1,656	319	1,083	12,293	133,642	327	216,992
Tabora	3	59,660	1,169	405	3,286	187,696	36,078	153	288,447
Rukwa	3	69,775	2,024	223	2,915	142,666	8,469	176	226,250
Kigoma	3	105,357	3,235	204	904	102,643	12,641	187	225,171
Shinyanga	3	230,370	2,055	669	2,628	129,618	119,650	222	485,212
Kagera	3	274,804	1,954	560	1,264	117,669	9,453	204	405,910
Mwanza	3	201,846	1,292	458	5,929	176,915	12,275	277	398,993
Mara	2	91,729	569	242	6,446	119,150	8,596	0	226,731
Manyara	2	84,656	1,308	413	2,043	81,473	28,544	75	198,513
Mainland	**3**	**2,787,961**	**45,862**	**7,943**	**55,386**	**2,179,485**	**617,687**	**12,005**	**5,706,329**
North Unguja	3	18,552	653	315	342	10,195	208	88	30,354
South Unguja	3	13,069	284	47	811	5,957	91	0	20,259
Urban West	3	13,251	597	0	63	4,710	31	0	18,651
North Pemba	3	13,691	899	51	106	18,008	139	0	32,895
South Pemba	3	21,414	299	62	235	7,913	85	27	30,034
Zanzibar	**3**	**79,978**	**2,732**	**475**	**1,557**	**46,782**	**554**	**115**	**132,193**
National	**3**	**2,867,939**	**48,594**	**8,418**	**56,943**	**2,226,267**	**618,242**	**12,120**	**5,838,523**
%		**49.1**	**0.8**	**0.1**	**1.0**	**38.1**	**10.6**	**0.2**	**100.0**

10.2: HOUSEHOLD FACILITIES: Number of hoseholds reporting average number of rooms and type of Floor Materials by Region , 2007/08 Agricultural Year

Region	Mean Number of rooms	Earth, Sand, Dung	Wood Planks, Bamboo, Palm.	Parquet Or Polished Wood	Ceramic Tiles, Terrazzo	Cement	Others	Total
Dodoma	2	322,922	4,784	258	629	30,027	349	358,969
Arusha	2	153,830	4,898	451	1,050	45,204	114	205,547
Kilimanjaro	3	126,407	5,673	813	753	108,673	390	242,708
Tanga	3	277,790	7,333	1,488	465	43,554	148	330,779
Morogoro	3	244,273	8,106	454	778	44,671	140	298,421
Pwani	3	139,394	4,101	328	181	30,429	90	174,523
Dar es Salaam	3	10,982	344	80	619	23,097	37	35,160
Lindi	2	149,851	4,643	588	94	11,598	124	166,898
Mtwara	3	225,633	3,661	643	0	17,577	1,858	249,373
Ruvuma	3	172,856	3,424	702	712	29,544	3,043	210,281
Iringa	3	227,076	7,028	931	657	70,666	271	306,629
Mbeya	2	349,353	7,759	2,096	2,101	93,402	113	454,824
Singida	3	195,560	3,145	507	206	17,247	327	216,992
Tabora	3	258,125	4,929	795	279	24,278	40	288,447
Rukwa	3	187,539	5,552	562	560	32,036	0	226,250
Kigoma	3	203,293	5,562	333	545	15,438	0	225,171
Shinyanga	3	426,476	8,767	2,102	44	47,689	134	485,212
Kagera	3	342,733	6,182	628	1,404	51,935	3,027	405,910
Mwanza	3	327,094	9,115	669	314	61,643	159	398,993
Mara	2	186,346	3,706	86	150	36,217	226	226,731
Manyara	2	174,729	1,916	467	353	21,048	0	198,513
Mainland	**3**	**4,702,262**	**110,629**	**14,982**	**11,893**	**855,973**	**10,590**	**5,706,329**
North Unguja	3	17,921	728	57	32	11,539	76	30,354
South Unguja	3	6,730	1,178	107	77	12,136	30	20,259
Urban West	3	6,500	1,256	63	220	10,613	0	18,651
North Pemba	3	22,186	1,009	29	80	9,590	0	32,895
South Pemba	3	18,761	712	134	27	10,402	0	30,034
Zanzibar	**3**	**72,098**	**4,882**	**390**	**436**	**54,281**	**107**	**132,193**
Total	3	4,774,359	115,512	15,372	12,329	910,254	10,697	5,838,523
%		**81.8**	**2.0**	**0.3**	**0.2**	**15.6**	**0.2**	**100.0**

10.3 HOUSEHOLD FACILITIES: Number of households by type of Wall Materials and Region, 2007/08 Agricultural Year

Region	Wall Materials								
	Grass	Poles and Mud	Sun-Dried Bricks	Baked Bricks	Wood,Timber	Cement Blocks	Stones	Other	Total
Dodoma	31,328	158,996	93,877	67,832	943	4,689	116	1,188	358,969
Arusha	39,140	97,492	18,419	26,652	6,096	17,039	0	709	205,547
Kilimanjaro	20,665	71,143	16,067	42,274	19,842	66,453	0	6,262	242,708
Tanga	39,195	217,289	27,232	35,053	940	9,764	0	1,305	330,779
Morogoro	30,088	110,666	32,203	119,457	2,063	2,445	0	1,499	298,421
Pwani	19,022	132,807	3,231	2,762	1,563	13,738	798	601	174,523
Dar es Salaam	1,331	8,795	953	365	1,259	22,378	0	80	35,160
Lindi	16,658	105,287	21,085	20,883	757	1,462	79	688	166,898
Mtwara	28,789	101,988	88,882	23,968	1,214	1,619	2,149	764	249,373
Ruvuma	6,844	15,788	29,797	153,640	639	3,220	294	59	210,281
Iringa	18,640	91,163	52,620	139,850	1,698	1,545	139	974	306,629
Mbeya	20,674	51,565	130,578	245,867	1,397	4,333	0	409	454,824
Singida	14,359	47,134	125,037	19,982	1,379	2,483	0	6,619	216,992
Tabora	26,962	58,397	183,262	14,824	2,269	2,020	0	712	288,447
Rukwa	7,091	15,257	52,971	147,947	576	2,361	0	47	226,250
Kigoma	19,522	35,003	44,995	121,852	1,050	1,229	212	1,307	225,171
Shinyanga	12,824	89,879	339,432	31,236	1,837	5,752	0	4,252	485,212
Kagera	45,671	222,811	60,910	70,109	1,770	1,378	221	3,038	405,910
Mwanza	26,665	62,256	239,567	57,044	3,068	8,356	0	2,037	398,993
Mara	22,563	73,256	68,322	58,340	1,462	1,416	237	1,136	226,731
Manyara	54,478	69,866	20,146	46,547	3,069	2,162	617	1,628	198,513
Mainland	**502,509**	**1,836,837**	**1,649,586**	**1,446,482**	**54,892**	**175,844**	**4,862**	**35,316**	**5,706,329**
North Unguja	1,706	8,904	1,848	655	576	11,235	3,544	1,885	30,354
South Unguja	906	5,210	549	142	182	4,364	8,380	525	20,259
Urban West	377	5,432	911	157	314	9,828	597	1,036	18,651
North Pemba	1,751	25,105	322	190	29	1,291	2,727	1,480	32,895
South Pemba	2,952	23,232	495	254	142	1,491	490	978	30,034
Zanzibar	**7,692**	**67,883**	**4,124**	**1,398**	**1,243**	**28,210**	**15,738**	**5,905**	**132,193**
National	**510,202**	**1,904,720**	**1,653,710**	**1,447,881**	**56,135**	**204,054**	**20,600**	**41,221**	**5,838,523**
%	**8.7**	**32.6**	**28.3**	**24.8**	**1.0**	**3.5**	**0.4**	**0.7**	**100.0**

10.4 HOUSEHOLD FACILITIES: Number of Agricultural Households reporting ownership of Assets by Region, 2007/08 Agricultural Year

Region	Radio			Landline phone			Mobile phone			Iron			Wheelbarrow		
	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total
Dodoma	198,768	160,202	358,969	7,524	351,446	358,969	65,707	293,262	358,969	52,643	306,326	358,969	22,147	336,823	358,969
Arusha	134,779	70,768	205,547	6,740	198,807	205,547	104,031	101,516	205,547	63,794	141,754	205,547	36,579	168,968	205,547
Kilimanjaro	203,194	39,514	242,708	5,332	237,376	242,708	140,931	101,777	242,708	132,662	110,045	242,708	61,095	181,612	242,708
Tanga	241,843	88,936	330,779	4,444	326,335	330,779	123,431	207,347	330,779	67,879	262,900	330,779	13,094	317,684	330,779
Morogoro	227,774	70,647	298,421	4,607	293,814	298,421	98,101	200,320	298,421	69,774	228,647	298,421	11,999	286,423	298,421
Pwani	135,253	39,269	174,523	1,951	172,571	174,523	82,333	92,190	174,523	43,500	131,023	174,523	8,962	165,561	174,523
Dar es Salaam	32,519	2,641	35,160	525	34,635	35,160	28,174	6,986	35,160	20,828	14,332	35,160	9,269	25,891	35,160
Lindi	96,322	70,576	166,898	1,022	165,876	166,898	30,165	136,733	166,898	23,868	143,030	166,898	2,353	164,545	166,898
Mtwara	119,004	130,369	249,373	2,075	247,298	249,373	31,446	217,927	249,373	36,490	212,883	249,373	5,168	244,205	249,373
Ruvuma	134,848	75,433	210,281	2,118	208,163	210,281	39,344	170,937	210,281	56,858	153,423	210,281	9,996	200,285	210,281
Iringa	212,042	94,587	306,629	2,677	303,952	306,629	87,125	219,504	306,629	94,209	212,420	306,629	22,681	283,948	306,629
Mbeya	298,578	156,246	454,824	4,197	450,627	454,824	124,828	329,996	454,824	125,942	328,882	454,824	24,497	430,328	454,824
Singida	133,441	83,551	216,992	2,457	214,536	216,992	52,232	164,760	216,992	45,062	171,930	216,992	15,185	201,807	216,992
Tabora	203,202	85,245	288,447	2,136	286,311	288,447	98,838	189,609	288,447	62,383	226,064	288,447	23,233	265,214	288,447
Rukwa	141,457	84,792	226,250	1,695	224,554	226,250	50,647	175,603	226,250	44,504	181,746	226,250	9,541	216,709	226,250
Kigoma	163,420	61,751	225,171	1,254	223,917	225,171	53,392	171,778	225,171	30,456	194,714	225,171	4,831	220,340	225,171
Shinyanga	310,199	175,013	485,212	2,874	482,337	485,212	170,704	314,507	485,212	122,758	362,454	485,212	50,626	434,586	485,212
Kagera	291,308	114,601	405,910	4,908	401,002	405,910	136,082	269,828	405,910	81,612	324,298	405,910	22,746	383,164	405,910
Mwanza	281,199	117,794	398,993	3,667	395,326	398,993	132,308	266,685	398,993	88,847	310,145	398,993	20,866	378,127	398,993
Mara	158,429	68,302	226,731	1,895	224,836	226,731	89,266	137,465	226,731	77,277	149,454	226,731	16,228	210,503	226,731
Manyara	110,686	87,827	198,513	2,205	196,308	198,513	73,593	124,920	198,513	45,911	152,601	198,513	14,703	183,809	198,513
Mainland	**3,828,266**	**1,878,063**	**5,706,329**	**66,303**	**5,640,027**	**5,706,329**	**1,812,678**	**3,893,652**	**5,706,329**	**1,387,258**	**4,319,071**	**5,706,329**	**405,799**	**5,300,531**	**5,706,329**
North Unguja	22,011	8,342	30,354	228	30,126	30,354	13,345	17,009	30,354	2,763	27,591	30,354	1,053	29,301	30,354
South Unguja	17,021	3,238	20,259	201	20,058	20,259	12,651	7,608	20,259	4,153	16,105	20,259	1,004	19,255	20,259
Urban West	15,323	3,328	18,651	314	18,337	18,651	13,627	5,024	18,651	5,934	12,717	18,651	942	17,709	18,651
North Pemba	18,184	14,711	32,895	387	32,508	32,895	13,045	19,850	32,895	3,174	29,721	32,895	768	32,127	32,895
South Pemba	19,242	10,792	30,034	450	29,585	30,034	13,831	16,203	30,034	4,541	25,493	30,034	443	29,591	30,034
Zanzibar	**91,781**	**40,413**	**132,193**	**1,579**	**130,614**	**132,193**	**66,499**	**65,694**	**132,193**	**20,566**	**111,627**	**132,193**	**4,209**	**127,984**	**132,193**
National	**3,920,047**	**1,918,476**	**5,838,523**	**67,882**	**5,770,640**	**5,838,523**	**1,879,177**	**3,959,345**	**5,838,523**	**1,407,824**	**4,430,699**	**5,838,523**	**410,008**	**5,428,514**	**5,838,523**
%	67	**33**	**100**	**1**	**99**	**100**	**32**	**68**	**100**	**24**	**76**	**100**	**7**	**93**	**100**

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cont… 10.4 HOUSEHOLD FACILITIES: Number of Agricultural Households reporting ownership of Assets by Region, 2007/08 Agricultural Year

	Bicycle			Vehicle			Television / Video			Refrigerator			Motor Cycle		
Region	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total
Dodoma	125,065	233,904	358,969	33,832	325,138	358,969	4,858	354,111	358,969	3,177	355,792	358,969	3,980	354,989	358,969
Arusha	64,861	140,687	205,547	15,571	189,977	205,547	12,780	192,767	205,547	6,836	198,711	205,547	5,576	199,971	205,547
Kilimanjaro	72,841	169,866	242,708	18,287	224,421	242,708	24,407	218,301	242,708	14,267	228,441	242,708	7,870	234,838	242,708
Tanga	118,708	212,071	330,779	14,650	316,129	330,779	9,115	321,664	330,779	5,615	325,164	330,779	6,104	324,675	330,779
Morogoro	160,985	137,436	298,421	14,490	283,931	298,421	9,660	288,762	298,421	7,183	291,238	298,421	10,248	288,173	298,421
Pwani	88,665	85,858	174,523	9,496	165,026	174,523	6,760	167,762	174,523	4,129	170,394	174,523	5,265	169,258	174,523
Dar es Salaam	21,337	13,823	35,160	4,152	31,008	35,160	8,828	26,332	35,160	6,178	28,982	35,160	2,496	32,664	35,160
Lindi	74,592	92,306	166,898	10,947	155,951	166,898	3,786	163,112	166,898	1,537	165,361	166,898	2,860	164,038	166,898
Mtwara	100,733	148,640	249,373	13,202	236,171	249,373	3,390	245,983	249,373	1,432	247,940	249,373	2,653	246,720	249,373
Ruvuma	86,539	123,742	210,281	8,222	202,059	210,281	6,154	204,127	210,281	1,501	208,780	210,281	3,049	207,232	210,281
Iringa	146,509	160,120	306,629	7,875	298,754	306,629	8,898	297,731	306,629	2,480	304,149	306,629	8,481	298,148	306,629
Mbeya	193,805	261,019	454,824	19,068	435,756	454,824	10,835	443,989	454,824	4,093	450,731	454,824	6,336	448,488	454,824
Singida	104,070	112,922	216,992	12,203	204,790	216,992	4,148	212,844	216,992	1,225	215,768	216,992	3,549	213,443	216,992
Tabora	215,639	72,808	288,447	19,072	269,374	288,447	5,524	282,922	288,447	3,269	285,178	288,447	6,241	282,206	288,447
Rukwa	113,281	112,969	226,250	4,106	222,144	226,250	3,266	222,983	226,250	1,187	225,063	226,250	5,550	220,700	226,250
Kigoma	116,362	108,809	225,171	16,808	208,363	225,171	4,351	220,820	225,171	1,471	223,700	225,171	3,190	221,981	225,171
Shinyanga	369,441	115,771	485,212	28,972	456,239	485,212	10,153	475,058	485,212	3,596	481,616	485,212	13,340	471,872	485,212
Kagera	183,738	222,172	405,910	23,867	382,043	405,910	13,256	392,654	405,910	5,528	400,382	405,910	19,063	386,846	405,910
Mwanza	281,975	117,018	398,993	18,544	380,449	398,993	11,397	387,596	398,993	2,853	396,140	398,993	7,977	391,016	398,993
Mara	132,810	93,921	226,731	7,723	219,008	226,731	6,928	219,803	226,731	1,846	224,885	226,731	5,756	220,975	226,731
Manyara	109,404	89,109	198,513	8,797	189,715	198,513	4,436	194,076	198,513	2,820	195,692	198,513	6,049	192,464	198,513
Mainland	**2,881,360**	**2,824,970**	**5,706,329**	**309,883**	**5,396,446**	**5,706,329**	**172,930**	**5,533,399**	**5,706,329**	**82,222**	**5,624,108**	**5,706,329**	**135,632**	**5,570,698**	**5,706,329**
North Unguja	15,159	15,195	30,354	1,191	29,162	30,354	1,623	28,731	30,354	1,292	29,062	30,354	1,133	29,221	30,354
South Unguja	13,395	6,864	20,259	832	19,427	20,259	3,618	16,641	20,259	2,306	17,953	20,259	1,622	18,637	20,259
Urban West	12,371	6,280	18,651	1,225	17,427	18,651	4,804	13,847	18,651	3,234	15,417	18,651	2,575	16,077	18,651
North Pemba	16,118	16,776	32,895	563	32,332	32,895	1,053	31,842	32,895	622	32,273	32,895	906	31,988	32,895
South Pemba	11,302	18,732	30,034	810	29,224	30,034	1,828	28,207	30,034	1,067	28,968	30,034	772	29,263	30,034
Zanzibar	**68,346**	**63,847**	**132,193**	**4,620**	**127,573**	**132,193**	**12,926**	**119,267**	**132,193**	**8,520**	**123,673**	**132,193**	**7,008**	**125,185**	**132,193**
National	**2,949,705**	**2,888,817**	**5,838,523**	**314,503**	**5,524,019**	**5,838,523**	**185,856**	**5,652,667**	**5,838,523**	**90,742**	**5,747,780**	**5,838,523**	**142,640**	**5,695,883**	**5,838,523**
%	**51**	**49**	**100**	**5**	**95**	**100**	**3**	**97**	**100**	**2**	**98**	**100**	**2**	**98**	**100**

10.5 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Energy for Lighting by Region, 2007/08 Agricultural Year

Region	Electricity	Solar	Gas (Biogas)	Hurricane Lamp	Pressure Lamp	Wick Lamp	Candles	Firewood	Other	Total
Dodoma	4,264	1,049	0	63,164	13,466	259,287	434	14,676	2,629	358,969
Arusha	9,719	4,180	432	66,835	7,295	100,682	1,506	14,896	0	205,547
Kilimanjaro	38,282	2,901	0	96,340	8,630	93,833	1,199	1,522	0	242,708
Tanga	8,294	2,041	252	47,882	14,953	254,741	380	2,048	187	330,779
Morogoro	5,122	2,333	144	76,801	9,151	193,583	674	9,618	994	298,421
Pwani	4,855	767	111	33,772	7,215	125,453	357	1,771	222	174,523
Dar es Salaam	6,045	657	190	15,530	1,186	10,955	85	205	308	35,160
Lindi	681	1,156	355	31,734	6,477	119,279	546	6,158	512	166,898
Mtwara	571	1,141	0	53,469	10,245	177,534	727	5,574	112	249,373
Ruvuma	1,844	1,512	132	89,486	8,610	106,157	344	1,960	236	210,281
Iringa	6,204	3,329	247	165,470	7,436	118,198	969	4,469	307	306,629
Mbeya	8,612	2,599	38	152,869	17,155	263,787	923	6,084	2,758	454,824
Singida	940	1,649	103	25,087	5,451	174,499	467	8,205	591	216,992
Tabora	1,883	2,210	395	31,731	10,499	235,228	711	4,818	972	288,447
Rukwa	1,908	1,410	0	47,768	7,054	164,985	1,025	1,346	754	226,250
Kigoma	489	2,806	212	25,764	6,943	174,225	373	13,985	373	225,171
Shinyanga	1,294	2,790	0	68,539	16,768	379,791	883	12,081	3,067	485,212
Kagera	7,111	2,105	0	42,533	15,886	324,847	990	11,331	1,107	405,910
Mwanza	4,430	2,131	186	104,030	17,819	265,422	754	2,138	2,083	398,993
Mara	1,439	1,923	150	78,352	9,205	134,008	323	1,235	97	226,731
Manyara	2,759	1,711	313	42,772	4,463	136,287	651	8,781	777	198,513
Mainland	**116,747**	**42,398**	**3,259**	**1,359,927**	**205,906**	**3,812,783**	**14,321**	**132,902**	**18,085**	**5,706,329**
North Unguja	2,304	120	57	1,058	1,082	24,850	82	776	25	30,354
South Unguja	4,592	16	0	1,946	517	13,171	0	16	0	20,259
Urban West	5,150	126	0	2,355	973	9,797	188	63	0	18,651
North Pemba	1,598	84	26	4,226	1,027	25,689	110	135	0	32,895
South Pemba	2,441	27	27	4,305	811	22,124	58	241	0	30,034
Zanzibar	**16,084**	**373**	**109**	**13,891**	**4,411**	**95,631**	**438**	**1,231**	**25**	**132,193**
National	**132,832**	**42,771**	**3,369**	**1,373,817**	**210,317**	**3,908,414**	**14,760**	**134,133**	**18,111**	**5,838,523**
%	**2**	**0.7**	**0.1**	**23.5**	**3.6**	**66.9**	**0.3**	**2.3**	**0.3**	**100.0**

10.6 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Energy for Cooking by Region, 2007/08 Agricultural Year

Region	Electricity	Solar	Gas(Hh Biogas)	Bottled Gas(Industrial)	Parraffin / Kerosine	Charcoal	Firewood	Crop Residues	Livestock Dung	Other	Total
Dodoma	2,063	0	0	821	0	11,494	342,597	1,446	550	0	358,969
Arusha	1,045	404	209	1,962	617	4,362	195,027	1,048	873	0	205,547
Kilimanjaro	2,639	195	454	825	494	3,944	232,180	1,976	0	0	242,708
Tanga	1,032	36	45	174	232	11,970	315,631	1,453	204	0	330,779
Morogoro	388	534	18	1,287	934	23,878	267,905	3,459	18	0	298,421
Pwani	532	74	168	275	572	13,679	158,597	624	0	0	174,523
Dar es Salaam	302	42	111	397	217	11,329	22,597	164	0	0	35,160
Lindi	168	121	94	478	79	4,651	160,786	442	79	0	166,898
Mtwara	651	124	0	524	124	3,845	243,287	818	0	0	249,373
Ruvuma	177	161	0	87	132	8,128	201,515	81	0	0	210,281
Iringa	675	539	217	762	603	4,239	298,190	1,181	221	0	306,629
Mbeya	777	650	113	819	434	16,621	432,035	3,337	38	0	454,824
Singida	779	103	216	0	0	5,509	200,199	9,972	214	0	216,992
Tabora	543	111	363	653	221	9,112	276,474	630	338	0	288,447
Rukwa	1,571	0	627	931	272	19,017	202,613	1,173	47	0	226,250
Kigoma	58	146	187	292	146	8,465	214,797	893	187	0	225,171
Shinyanga	1,218	178	173	1,041	119	15,757	460,587	5,863	176	100	485,212
Kagera	878	194	233	425	261	12,628	388,918	2,168	0	204	405,910
Mwanza	665	765	106	870	811	20,203	373,422	2,045	53	53	398,993
Mara	86	140	247	320	0	4,393	220,201	1,345	0	0	226,731
Manyara	215	0	261	347	327	6,235	188,474	2,476	178	0	198,513
Mainland	**16,462**	**4,520**	**3,841**	**13,292**	**6,597**	**219,459**	**5,396,031**	**42,596**	**3,175**	**357**	**5,706,329**
%	**0.3**	**0.1**	**0.1**	**0.2**	**0.1**	**3.8**	**94.6**	**0.7**	**0.1**	**0**	**100**
North Unguja	114	57	57	0	108	760	28,930	265	63	0	30,354
South Unguja	107	0	0	0	30	623	19,194	304	0	0	20,259
Urban West	188	0	31	31	0	2,575	15,637	157	0	31	18,651
North Pemba	102	0	26	0	51	526	32,061	102	26	0	32,895
South Pemba	165	27	27	161	27	1,349	28,053	142	85	0	30,034
Zanzibar	**677**	**84**	**141**	**192**	**216**	**5,832**	**123,875**	**972**	**173**	**31**	**132,193**
National	**17,139**	**4,604**	**3,982**	**13,484**	**6,813**	**225,291**	**5,519,905**	**43,568**	**3,349**	**389**	**5,838,523**
%	**0.3**	**0.1**	**0.1**	**0.2**	**0.1**	**3.9**	**94.5**	**0.7**	**0.1**	**0**	**100**

10.7 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Drinking Water during Wet Season by Region, 2007/08 Agricultural Year

Region	Piped Water	Protected Well	Protected / Covered Spring	Uprotected Well	Unprotected Spring	Surface Water (Lake / Dam / River / Stream)	Covered Rainwater Catchment	Uncovered Rainwater Catchment	Water Vendor	Tanker Truck	Bottled Water	Other	Total
Dodoma	110,271	30,589	2,847	101,130	14,290	56,956	1,671	35,428	0	154	0	5,634	358,969
Arusha	113,017	5,699	2,356	14,673	13,780	46,882	1,492	4,895	0	446	71	2,237	205,547
Kilimanjaro	159,968	10,889	7,630	4,181	34,815	19,602	1,478	1,108	924	511	0	1,600	242,708
Tanga	79,242	32,281	6,379	69,946	55,971	64,540	2,831	13,813	361	176	0	5,237	330,779
Morogoro	72,324	68,793	3,601	46,969	22,297	68,559	3,309	8,704	1,046	408	140	2,273	298,421
Pwani	32,908	21,076	2,217	74,723	6,457	17,918	3,119	12,871	214	90	0	2,928	174,523
Dar es Salaam	6,687	10,200	461	9,333	1,339	356	736	4,336	992	424	0	297	35,160
Lindi	22,310	20,017	1,524	65,989	6,178	25,229	1,544	22,608	45	0	0	1,454	166,898
Mtwara	31,728	26,011	5,180	84,161	18,005	18,280	8,793	48,607	1,089	0	0	7,519	249,373
Ruvuma	72,960	38,880	9,553	45,306	23,446	16,255	476	1,965	0	288	0	1,151	210,281
Iringa	119,193	21,686	8,608	55,899	36,024	41,995	4,088	10,600	0	109	139	8,288	306,629
Mbeya	117,211	43,117	11,548	72,644	78,322	96,334	4,682	15,093	285	126	0	15,462	454,824
Singida	36,000	35,028	1,083	66,000	9,533	40,417	1,612	25,827	180	0	0	1,311	216,992
Tabora	15,897	36,603	2,896	158,347	18,245	20,582	3,838	30,260	268	0	0	1,511	288,447
Rukwa	42,742	51,191	6,647	47,990	21,752	50,449	1,297	3,609	0	272	0	300	226,250
Kigoma	65,435	46,610	28,836	27,106	25,873	28,094	829	1,971	204	212	0	0	225,171
Shinyanga	55,613	142,939	8,696	144,820	13,336	73,981	5,580	37,797	1,980	0	0	468	485,212
Kagera	49,368	50,347	37,400	52,368	114,403	63,402	6,555	18,497	92	380	0	13,097	405,910
Mwanza	35,409	80,608	8,701	164,999	45,763	24,022	2,862	26,494	2,361	554	0	7,220	398,993
Mara	8,063	28,635	5,419	96,605	22,242	43,318	2,694	12,253	301	0	0	7,200	226,731
Manyara	49,134	22,556	8,336	35,226	24,317	40,391	826	14,389	114	275	0	2,948	198,513

Region	Piped Water	Protected Well	Protected / Covered Spring	Uprotected Well	Unprotected Spring	Surface Water (Lake / Dam / River / Stream)	Covered Rainwater Catchment	Uncovered Rainwater Catchment	Water Vendor	Tanker Truck	Bottled Water	Other	Total
Mainland	**1,295,479**	**823,756**	**169,921**	**1,438,415**	**606,389**	**857,565**	**60,313**	**351,125**	**10,455**	**4,426**	**350**	**88,137**	**5,706,329**
North Unguja	23,699	1,804	51	4,554	0	0	0	25	0	63	0	158	30,354
South Unguja	15,559	2,813	0	1,765	0	0	61	30	0	30	0	0	20,259
Urban West	12,246	4,019	63	2,010	157	0	0	31	63	63	0	0	18,651
North Pemba	21,981	3,621	172	6,672	55	26	0	226	0	142	0	0	32,895
South Pemba	18,838	4,934	27	5,017	0	0	151	984	0	85	0	0	30,034
Zanzibar	**92,323**	**17,191**	**312**	**20,017**	**212**	**26**	**212**	**1,297**	**63**	**383**	**0**	**158**	**132,193**
National	**1,386,040**	**840,485**	**170,054**	**1,456,765**	**605,248**	**856,889**	**60,524**	**352,547**	**10,518**	**4,809**	**279**	**86,184**	**5,838,523**
%	**23.8**	**14.4**	**2.9**	**25**	**10.4**	**14.7**	**1**	**6**	**0.2**	**0.1**	**0**	**1.5**	**100**

10.8 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Distance to Main Source of Drinking Water during Wet Season by Region, 2007/08 Agricultural Year

Region	Less than100 Metres	100 - 299 m	300 - 499 m	500 - 999 m	1 - 1.99 Km	2.00 - 2.99 Km	3.00 - 4.99 Km	5.00 - 9.99 Km	10 Km and above	Total
Dodoma	21,024	42,863	11,586	98,221	158,801	16,370	8,207	1,897	0	358,969
Arusha	34,385	36,011	5,452	46,992	49,305	13,534	10,429	8,374	1,066	205,547
Kilimanjaro	149,761	27,801	5,795	29,947	22,491	3,716	1,320	0	1,876	242,708
Tanga	85,993	29,990	6,875	107,448	80,010	13,633	5,314	1,516	0	330,779
Morogoro	115,465	40,998	15,234	58,598	49,812	10,726	5,230	2,093	266	298,421
Pwani	48,942	25,236	1,308	42,435	42,719	7,639	5,379	865	0	174,523
Dar es Salaam	16,253	5,476	635	7,865	4,930	0	0	0	0	35,160
Lindi	30,404	29,110	9,197	46,263	43,323	3,920	2,821	1,860	0	166,898
Mtwara	82,262	20,756	7,876	49,838	73,066	4,920	5,252	3,723	1,680	249,373
Ruvuma	90,080	60,752	7,504	24,400	24,923	2,622	0	0	0	210,281
Iringa	114,158	50,412	15,190	75,284	49,200	0	2,385	0	0	306,629
Mbeya	166,728	75,366	12,105	108,270	78,281	8,681	3,005	2,387	0	454,824
Singida	18,173	17,659	0	61,025	104,647	10,024	1,543	3,087	834	216,992
Tabora	49,666	34,791	1,427	80,417	106,385	7,086	8,674	0	0	288,447
Rukwa	34,091	38,582	16,153	69,583	57,497	10,345	0	0	0	226,250
Kigoma	63,976	38,094	14,388	54,011	44,179	7,723	2,801	0	0	225,171
Shinyanga	50,323	36,663	7,183	149,627	195,262	30,264	15,891	0	0	485,212
Kagera	75,570	42,956	6,847	101,841	133,197	22,059	19,576	3,864	0	405,910
Mwanza	50,715	31,687	13,411	130,129	154,329	18,721	0	0	0	398,993
Mara	36,252	18,982	5,646	61,529	80,330	14,813	7,908	1,271	0	226,731
Manyara	18,583	20,634	1,118	54,550	67,228	22,780	10,445	2,319	856	198,513
Mainland	**1,352,802**	**724,818**	**164,930**	**1,458,274**	**1,619,915**	**229,576**	**116,182**	**33,256**	**6,577**	**5,706,329**
North Unguja	21,157	6,816	382	2,000	0	0	0	0	0	30,354
South Unguja	17,735	2,524	0	0	0	0	0	0	0	20,259
Urban West	15,825	1,884	0	471	471	0	0	0	0	18,651
North Pemba	27,630	3,289	0	1,975	0	0	0	0	0	32,895
South Pemba	24,031	2,072	930	2,600	402	0	0	0	0	30,034
Zanzibar	**106,379**	**16,584**	**1,312**	**7,046**	**873**	**0**	**0**	**0**	**0**	**132,193**
National	**1,459,181**	**741,402**	**166,242**	**1,465,320**	**1,620,788**	**229,576**	**116,182**	**33,256**	**6,577**	**5,838,523**
%	25.0	12.7	2.8	25.1	27.8	3.9	2.0	0.6	0.1	100.0

10.9 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Time Spent to and from Main Source of Drinking Water during Wet Season by Region, 2007/08 Agricultural Year

Region	Less than10 Minutes	10 - 19 Minutes	20 - 29 Minutes	30 - 39 Minutes	40 - 49 Minutes	50 - 59 Minutes	1 Hour and above	Total
Dodoma	28,651	21,075	9,281	131,962	25,968	10,300	131,733	358,969
Arusha	48,732	11,321	16,952	62,088	1,792	5,266	59,397	205,547
Kilimanjaro	137,518	23,835	17,337	42,333	4,720	0	16,965	242,708
Tanga	72,364	44,344	10,505	128,465	9,211	4,748	61,141	330,779
Morogoro	124,005	36,186	31,891	48,072	2,106	9,670	46,491	298,421
Pwani	45,798	28,148	8,220	64,379	2,937	0	25,041	174,523
Dar es Salaam	15,153	5,706	1,194	9,136	559	559	2,853	35,160
Lindi	32,533	14,184	25,851	55,748	4,138	6,446	27,997	166,898
Mtwara	81,867	12,266	15,635	70,529	5,133	7,941	56,001	249,373
Ruvuma	93,174	26,933	22,641	49,312	5,170	3,196	9,856	210,281
Iringa	123,967	30,633	31,419	88,235	4,474	3,725	24,175	306,629
Mbeya	164,281	42,154	47,823	132,665	8,401	9,719	49,782	454,824
Singida	9,385	12,265	10,692	94,981	10,012	5,742	73,916	216,992
Tabora	58,312	21,832	18,897	109,877	4,013	9,807	65,709	288,447
Rukwa	50,220	17,780	17,517	89,581	0	8,118	43,033	226,250
Kigoma	36,447	7,794	41,056	88,940	10,372	6,371	34,192	225,171
Shinyanga	66,556	24,481	12,927	192,613	22,830	9,701	156,105	485,212
Kagera	84,783	7,710	14,038	166,553	13,696	9,709	109,420	405,910
Mwanza	69,655	36,946	29,961	187,064	6,336	6,215	62,816	398,993
Mara	29,498	5,932	7,171	120,625	6,555	6,780	50,171	226,731
Manyara	18,726	14,344	10,812	84,672	1,975	5,895	62,090	198,513
Mainland	**1,391,623**	**445,870**	**401,820**	**2,017,828**	**150,396**	**129,908**	**1,168,883**	**5,706,329**
North Unguja	20,684	4,544	0	3,980	0	382	763	30,354
South Unguja	16,611	2,280	456	912	0	0	0	20,259
Urban West	16,296	471	471	942	0	471	0	18,651
North Pemba	20,184	6,794	3,012	1,698	438	384	384	32,895
South Pemba	15,357	5,729	3,072	4,608	803	465	0	30,034
Zanzibar	**89,133**	**19,817**	**7,012**	**12,141**	**1,241**	**1,702**	**1,148**	**132,193**
National	**1,480,756**	**465,687**	**408,831**	**2,029,969**	**151,638**	**131,610**	**1,170,031**	**5,838,523**
%	**25.4**	**8.0**	**7.0**	**34.8**	**2.6**	**2.3**	**20.0**	**100.0**

10.10 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Drinking Water during Dry Season by Region, 2007/08 Agricultural Year

Region	Piped Water	Protected Well	Protected / Covered Spring	Uprotected Well	Unprotected Spring	Surface Water (Lake / Dam / River / Stream)	Covered Rainwater Catchment	Uncovered Rainwater Catchment	Water Vendor	Tanker Truck	Bottled Water	Other	Total
Dodoma	148,255	36,512	2,679	99,493	13,865	26,309	3,051	21,939	1,646	663	0	4,558	358,969
Arusha	119,160	8,001	3,418	6,627	19,755	40,326	710	4,259	385	690	0	2,217	205,547
Kilimanjaro	157,589	11,221	8,043	4,191	36,496	22,310	515	190	1,244	823	87	0	242,708
Tanga	80,856	36,066	7,985	67,609	59,859	72,468	799	2,492	2,300	344	0	0	330,779
Morogoro	74,397	68,924	4,308	46,940	21,154	70,467	2,636	6,279	2,370	372	0	574	298,421
Pwani	35,008	22,865	2,466	78,547	4,824	19,220	1,326	7,511	1,719	863	116	58	174,523
Dar es Salaam	7,146	10,123	573	8,612	1,349	727	614	2,958	2,465	593	0	0	35,160
Lindi	27,785	26,592	2,406	72,970	10,555	20,617	691	4,086	1,151	45	0	0	166,898
Mtwara	43,512	21,291	8,402	67,335	37,456	57,199	4,796	7,070	2,148	0	164	0	249,373
Ruvuma	72,409	40,164	9,642	45,178	23,872	17,556	213	1,157	0	0	0	89	210,281
Iringa	113,573	23,355	9,451	66,068	37,670	53,178	576	1,143	0	181	0	1,433	306,629
Mbeya	111,742	49,223	18,574	81,479	83,921	98,000	2,143	7,297	1,877	0	126	443	454,824
Singida	45,169	37,172	1,464	76,416	10,573	31,566	1,385	12,589	396	56	0	206	216,992
Tabora	15,421	38,984	3,233	159,167	19,714	28,322	2,788	19,162	1,011	142	0	503	288,447
Rukwa	42,091	50,243	6,220	51,102	22,545	48,841	1,503	831	1,994	497	225	159	226,250
Kigoma	62,548	45,343	30,272	26,720	27,018	32,045	408	545	58	212	0	0	225,171
Shinyanga	59,576	151,629	9,603	141,713	14,862	82,354	4,940	13,951	6,145	134	0	305	485,212
Kagera	47,239	55,403	41,760	50,892	116,103	86,054	4,476	2,235	1,096	272	0	380	405,910
Mwanza	47,443	91,414	8,872	153,332	48,299	34,792	2,384	8,139	3,039	330	0	948	398,993
Mara	9,726	27,388	4,234	96,304	18,745	64,236	1,352	4,005	494	97	0	150	226,731
Manyara	57,025	22,944	8,450	42,283	26,540	31,536	691	6,275	1,365	650	158	596	198,513
Mainland	**1,377,669**	**874,856**	**192,054**	**1,442,980**	**655,176**	**938,122**	**37,997**	**134,113**	**32,901**	**6,965**	**876**	**12,620**	**5,706,329**
North Unguja	20,265	3,444	51	5,557	246	337	95	51	57	95	0	158	30,354
South Unguja	14,182	3,410	152	2,361	30	0	77	30	0	16	0	0	20,259
Urban West	11,084	5,087	63	2,010	251	31	31	31	63	0	0	0	18,651
North Pemba	22,075	3,632	142	6,538	117	80	26	204	0	51	29	0	32,895
South Pemba	16,144	6,504	138	6,039	31	0	173	926	0	80	0	0	30,034
Zanzibar	**83,750**	**22,075**	**546**	**22,504**	**675**	**449**	**402**	**1,243**	**120**	**242**	**29**	**158**	**132,193**
National	**1,461,419**	**896,931**	**192,601**	**1,465,484**	**655,851**	**938,570**	**38,399**	**135,356**	**33,021**	**7,208**	**905**	**12,777**	**5,838,523**
%	**25.0**	**15.4**	**3.3**	**25.1**	**11.2**	**16.1**	**0.7**	**2.3**	**0.6**	**0.1**	**0.0**	**0.2**	**100.0**

10.11 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Distance to Main Source of Drinking Water during Dry Season by Region, 2007/08 Agricultural Year

Region	Less than100 Metres	100 - 299 m	300 - 499 m	500 - 999 m	1.00- 1.99 Km	2.00 - 2.99 Km	3.00 - 4.99 Km	5.00 - 9.99 Km	10km and above	Total
Dodoma	30,268	23,180	15,936	70,593	148,678	14,918	17,053	32,272	6,071	358,969
Arusha	27,971	27,427	6,556	38,854	48,562	17,491	20,495	15,620	2,571	205,547
Kilimanjaro	145,744	28,575	4,475	26,232	20,569	5,337	3,880	5,337	2,559	242,708
Tanga	72,861	29,037	4,767	94,050	84,780	15,317	14,905	10,024	5,038	330,779
Morogoro	112,894	49,180	13,333	48,874	52,436	10,726	5,230	5,217	531	298,421
Pwani	40,484	21,982	872	32,687	43,385	20,778	4,341	9,558	436	174,523
Dar es Salaam	17,524	4,282	635	5,494	5,954	0	1,271	0	0	35,160
Lindi	18,381	25,117	4,294	27,155	45,107	23,264	5,143	17,026	1,411	166,898
Mtwara	20,016	9,428	10,934	19,321	70,318	20,170	28,250	47,882	23,054	249,373
Ruvuma	79,936	54,361	12,674	28,621	30,755	2,622	1,311	0	0	210,281
Iringa	86,779	45,339	25,660	70,050	69,709	4,622	4,471	0	0	306,629
Mbeya	127,005	87,383	16,185	108,762	95,284	12,938	4,879	2,387	0	454,824
Singida	13,932	14,418	0	40,989	108,958	25,596	10,721	1,543	834	216,992
Tabora	27,556	24,713	5,610	72,369	120,669	19,530	10,800	2,948	4,252	288,447
Rukwa	32,677	40,258	17,829	59,263	64,203	12,021	0	0	0	226,250
Kigoma	53,012	38,094	13,172	53,403	54,774	7,723	4,994	0	0	225,171
Shinyanga	42,140	24,507	5,241	129,070	196,872	48,386	18,420	16,774	3,802	485,212
Kagera	33,999	38,156	12,443	92,351	140,435	44,620	41,973	1,932	0	405,910
Mwanza	22,676	30,384	14,650	102,190	188,594	33,824	4,757	1,918	0	398,993
Mara	13,710	13,237	7,171	48,524	99,493	16,103	20,447	8,045	0	226,731
Manyara	11,102	17,620	3,437	43,142	61,298	22,324	19,733	13,326	6,530	198,513
Mainland	**1,066,071**	**696,262**	**309,446**	**1,143,366**	**1,533,460**	**491,668**	**298,714**	**128,875**	**32,399**	**5,700,261**
North Unguja	19,739	6,343	382	3,417	473	0	0	0	0	30,354
South Unguja	17,279	2,280	244	0	456	0	0	0	0	20,259
Urban West	15,354	1,413	0	1,413	471	0	0	0	0	18,651
North Pemba	28,014	2,521	0	1,975	384	0	0	0	0	32,895
South Pemba	24,031	2,072	930	2,600	402	0	0	0	0	30,034
Zanzibar	**104,418**	**14,628**	**1,556**	**9,406**	**2,185**	**0**	**0**	**0**	**0**	**132,193**
National	**1,170,490**	**710,890**	**311,001**	**1,152,771**	**1,535,645**	**491,668**	**298,714**	**128,875**	**32,399**	**5,832,454**
%	20.1	12.2	5.3	19.8	26.3	8.4	5.1	2.2	0.6	100.0

10.12 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Time Spent to and from Main Source of Drinking Water during Dry Season by Region, 2007/08 Agricultural Year

Region	Less than10 Minutes	10 - 19 Minutes	20 - 29 Minutes	30 - 39 Minutes	40 - 49 Minutes	50 - 59 Minutes	1 Hour and above	Total
Dodoma	19,797	16,864	4,052	67,022	17,614	12,612	221,009	358,969
Arusha	33,239	9,530	16,637	49,030	6,024	1,066	90,021	205,547
Kilimanjaro	123,581	24,773	13,621	43,661	4,884	0	32,188	242,708
Tanga	49,758	34,870	12,021	87,354	7,243	4,215	135,319	330,779
Morogoro	108,759	35,487	27,411	53,218	0	7,564	65,981	298,421
Pwani	37,980	19,643	9,847	34,763	7,057	0	65,233	174,523
Dar es Salaam	11,741	5,071	2,776	6,765	559	1,582	6,666	35,160
Lindi	16,731	13,223	14,371	32,620	7,663	4,586	77,704	166,898
Mtwara	25,350	4,582	4,153	38,533	3,391	5,346	168,019	249,373
Ruvuma	77,546	21,786	19,187	59,723	11,092	1,222	19,726	210,281
Iringa	96,524	39,587	30,671	80,147	9,097	5,810	44,792	306,629
Mbeya	119,799	29,553	45,276	135,249	16,348	14,470	94,129	454,824
Singida	7,062	2,697	7,452	64,170	4,074	6,481	125,057	216,992
Tabora	42,957	15,629	13,391	83,695	3,073	5,369	124,333	288,447
Rukwa	40,869	13,698	13,458	76,517	0	12,727	68,981	226,250
Kigoma	31,068	8,179	18,935	89,350	13,433	8,563	55,642	225,171
Shinyanga	51,533	19,033	6,987	128,261	34,338	6,476	238,583	485,212
Kagera	38,271	4,801	15,393	153,402	14,729	13,116	166,197	405,910
Mwanza	26,894	21,050	8,204	158,349	20,542	3,786	160,167	398,993
Mara	14,340	7,079	10,256	62,585	4,032	5,471	122,967	226,731
Manyara	14,498	7,842	11,589	59,987	4,951	4,777	94,868	198,513
Mainland	**1,002,460**	**395,147**	**441,024**	**1,218,972**	**319,412**	**178,032**	**2,144,821**	**5,699,867**
North Unguja	17,558	4,362	945	3,599	854	854	2,181	30,354
South Unguja	16,580	1,368	1,156	700	0	0	456	20,259
Urban West	14,883	942	942	942	0	471	471	18,651
North Pemba	20,237	5,918	1,314	2,521	1,314	384	1,207	32,895
South Pemba	11,890	7,399	4,002	4,608	1,670	465	0	30,034
Zanzibar	**81,149**	**19,988**	**8,359**	**12,369**	**3,838**	**2,175**	**4,315**	**132,193**
National	**1,083,609**	**415,135**	**449,383**	**1,231,341**	**323,250**	**180,206**	**2,149,136**	**5,832,060**
%	**18.6**	**7.1**	**7.7**	**21.1**	**5.5**	**3.1**	**36.9**	**100.0**

10.13 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting type of TOILET the household normally use by Region, 2007/08 Agricultural Year

Region	No Toilet / Bush	Flush Toilet	Traditional Pit Latrine	Improved Pit Latrine - hh Owned	Other Type	Total
Dodoma	20,641	1,878	310,474	23,207	2,769	358,969
Arusha	64,360	4,569	119,222	15,510	1,886	205,547
Kilimanjaro	3,371	12,176	196,610	30,195	356	242,708
Tanga	31,316	4,503	275,691	19,269	0	330,779
Morogoro	7,663	6,299	264,312	20,148	0	298,421
Pwani	15,665	1,979	145,668	11,210	0	174,523
Dar es Salaam	605	2,702	24,810	7,043	0	35,160
Lindi	5,423	1,216	156,226	3,954	79	166,898
Mtwara	5,401	2,022	236,301	5,445	204	249,373
Ruvuma	903	2,069	195,368	11,941	0	210,281
Iringa	1,730	3,698	284,343	16,858	0	306,629
Mbeya	8,883	6,332	415,807	23,170	632	454,824
Singida	7,915	1,351	204,860	2,866	0	216,992
Tabora	38,968	1,792	240,774	6,603	309	288,447
Rukwa	5,030	3,686	210,306	7,228	0	226,250
Kigoma	6,613	2,377	212,302	3,878	0	225,171
Shinyanga	53,611	2,774	416,630	11,813	384	485,212
Kagera	25,339	3,958	359,164	16,104	1,345	405,910
Mwanza	30,609	2,905	344,417	20,842	220	398,993
Mara	48,587	2,554	158,249	16,720	622	226,731
Manyara	26,280	1,474	158,116	12,488	155	198,513
Mainland	**408,914**	**72,314**	**4,929,649**	**286,492**	**8,960**	**5,706,329**
North Unguja	7,326	1,855	16,889	4,227	57	30,354
South Unguja	1,862	1,555	11,491	5,305	47	20,259
Urban West	659	4,019	9,922	4,019	31	18,651
North Pemba	23,271	1,225	5,796	2,603	0	32,895
South Pemba	16,595	1,107	6,951	5,382	0	30,034
Zanzibar	**49,713**	**9,761**	**51,049**	**21,535**	**135**	**132,193**
National	**458,627**	**82,075**	**4,980,698**	**308,028**	**9,095**	**5,838,523**
%	**7.9**	**1.4**	**85.3**	**5.3**	**0.2**	**100.0**

10.14 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Number of meals the household normally has per day by Region, 2007/08 Agricultural Year

Region	One	Two	Three	Total
Dodoma	8,847	234,644	115,479	358,969
Arusha	9,348	99,144	97,056	205,547
Kilimanjaro	17,155	92,724	132,829	242,708
Tanga	9,110	91,259	230,409	330,779
Morogoro	4,439	126,082	167,900	298,421
Pwani	3,988	56,617	113,918	174,523
Dar es Salaam	1,113	9,476	24,571	35,160
Lindi	3,804	78,276	84,817	166,898
Mtwara	13,554	143,854	91,965	249,373
Ruvuma	1,274	59,573	149,434	210,281
Iringa	4,475	165,352	136,802	306,629
Mbeya	5,971	289,281	159,572	454,824
Singida	3,800	134,269	78,923	216,992
Tabora	2,718	80,732	204,997	288,447
Rukwa	8,423	164,764	53,063	226,250
Kigoma	11,301	186,445	27,425	225,171
Shinyanga	2,354	178,068	304,789	485,212
Kagera	6,737	297,557	101,616	405,910
Mwanza	2,162	275,944	120,887	398,993
Mara	7,719	135,732	83,281	226,731
Manyara	3,518	78,972	116,022	198,513
Mainland	**131,810**	**2,978,766**	**2,595,754**	**5,706,329**
North Unguja	1,710	19,598	9,046	30,354
South Unguja	77	8,290	11,892	20,259
Urban West	408	7,944	10,299	18,651
North Pemba	1,042	23,201	8,652	32,895
South Pemba	637	15,771	13,626	30,034
Zanzibar	**3,874**	**74,804**	**53,515**	**132,193**
National	**135,684**	**3,053,570**	**2,649,268**	**5,838,523**
%	**2.3**	**52.3**	**45.4**	**100.0**

10.15 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Number of days the household Consumed Meat during the Preceeding Week by Region, 2007/08 Agricultural Year

Region	Not Eaten	One	Two	Three	Four	Five	Six	Seven	Total
Dodoma	124,534	149,392	59,106	18,746	4,882	1,548	142	619	358,969
Arusha	51,550	76,390	58,396	12,163	3,775	2,618	151	505	205,547
Kilimanjaro	33,748	108,695	76,274	18,466	4,003	1,109	140	274	242,708
Tanga	104,499	140,361	62,360	15,949	4,538	1,909	252	912	330,779
Morogoro	102,959	96,269	69,772	19,569	7,060	990	522	1,280	298,421
Pwani	73,193	62,127	27,284	7,328	2,812	1,304	285	191	174,523
Dar es Salaam	8,744	12,470	9,653	2,742	1,081	327	37	105	35,160
Lindi	94,026	39,661	21,180	8,411	2,290	625	182	524	166,898
Mtwara	116,747	75,501	41,352	11,124	2,339	715	317	1,279	249,373
Ruvuma	73,739	79,246	36,497	15,994	2,982	853	413	557	210,281
Iringa	67,932	136,696	74,888	20,344	5,519	772	40	438	306,629
Mbeya	119,273	184,280	102,866	38,793	5,597	2,451	159	1,406	454,824
Singida	87,288	82,159	32,112	10,098	3,434	514	628	760	216,992
Tabora	93,906	117,458	52,800	16,772	4,899	1,525	681	405	288,447
Rukwa	73,363	91,011	43,296	14,654	2,596	1,059	159	112	226,250
Kigoma	118,638	77,452	22,297	5,490	1,148	146	0	0	225,171
Shinyanga	217,782	183,158	62,566	15,598	3,765	1,376	534	433	485,212
Kagera	208,665	109,432	65,249	17,626	2,073	2,093	0	772	405,910
Mwanza	215,063	123,250	44,605	11,441	2,674	970	255	735	398,993
Mara	73,629	85,667	42,682	13,373	8,727	1,566	700	387	226,731
Manyara	62,831	80,103	39,609	10,821	3,259	1,028	57	805	198,513
Mainland	**2,122,106**	**2,110,777**	**1,044,842**	**305,501**	**79,453**	**25,497**	**5,654**	**12,498**	**5,706,329**
North Unguja	18,012	7,338	3,697	977	196	82	0	51	30,354
South Unguja	11,879	5,278	2,405	590	91	0	0	16	20,259
Urban West	10,268	4,930	2,512	816	94	0	0	31	18,651
North Pemba	24,515	4,431	2,998	787	113	51	0	0	32,895
South Pemba	23,229	4,080	1,778	621	80	218	27	0	30,034
Zanzibar	**87,903**	**26,056**	**13,389**	**3,791**	**575**	**352**	**27**	**99**	**132,193**
National	**2,210,009**	**2,136,833**	**1,058,232**	**309,293**	**80,028**	**25,849**	**5,681**	**12,596**	**5,838,523**
%	**37.9**	**36.6**	**18.1**	**5.3**	**1.4**	**0.4**	**0.1**	**0.2**	**100.0**

10.16 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Number of days the household Consumed Fish during the Preceeding Week by Region, 2007/08 Agricultural Year

Region	Not Eaten	One	Two	Three	Four	Five	Six	Seven	Total
Dodoma	184,593	114,858	38,856	13,435	2,643	1,618	577	2,389	358,969
Arusha	107,060	58,641	28,722	7,461	2,720	494	450	0	205,547
Kilimanjaro	38,220	78,034	71,897	30,066	14,536	4,402	3,040	2,513	242,708
Tanga	46,241	82,752	70,240	51,129	34,419	19,411	9,818	16,768	330,779
Morogoro	49,613	78,974	79,573	49,973	21,725	10,773	3,062	4,728	298,421
Pwani	24,506	32,220	34,072	22,134	20,153	16,623	10,447	14,368	174,523
Dar es Salaam	1,231	7,986	11,087	7,074	4,314	1,533	547	1,387	35,160
Lindi	40,042	28,469	35,697	26,686	16,834	8,339	3,300	7,531	166,898
Mtwara	27,502	44,825	58,322	43,559	28,731	23,333	7,782	15,319	249,373
Ruvuma	30,128	57,167	43,510	33,271	17,149	7,200	8,051	13,805	210,281
Iringa	105,604	127,253	49,855	17,539	4,191	1,568	66	554	306,629
Mbeya	78,221	156,563	112,455	51,095	28,011	11,600	4,793	12,088	454,824
Singida	92,429	59,981	36,382	15,432	4,952	2,968	811	4,037	216,992
Tabora	116,534	90,304	48,097	16,958	8,868	4,628	1,113	1,944	288,447
Rukwa	40,939	57,923	48,208	28,817	13,153	9,131	6,294	21,784	226,250
Kigoma	75,829	66,270	42,692	21,940	8,902	4,143	1,125	4,270	225,171
Shinyanga	212,364	144,310	63,510	33,556	15,579	6,470	1,843	7,580	485,212
Kagera	114,045	80,821	77,567	54,003	30,159	22,135	5,814	21,366	405,910
Mwanza	72,937	73,402	69,121	58,436	38,807	32,044	18,851	35,395	398,993
Mara	39,531	49,913	44,498	26,228	22,579	15,472	7,830	20,681	226,731
Manyara	79,362	61,279	30,398	18,551	4,142	1,828	901	2,052	198,513
Mainland	**1,576,934**	**1,551,944**	**1,094,761**	**627,341**	**342,565**	**205,711**	**96,514**	**210,559**	**5,706,329**
North Unguja	941	1,006	3,970	2,764	5,900	5,912	2,451	7,410	30,354
South Unguja	93	381	2,454	2,193	2,883	3,194	2,256	6,804	20,259
Urban West	408	597	2,983	1,853	3,737	2,543	1,884	4,647	18,651
North Pemba	681	1,624	3,239	3,524	5,783	6,384	3,308	8,352	32,895
South Pemba	2,091	2,099	4,852	5,104	6,417	4,111	1,452	3,909	30,034
Zanzibar	**4,214**	**5,706**	**17,499**	**15,438**	**24,719**	**22,145**	**11,351**	**31,121**	**132,193**
National	**1,581,148**	**1,557,650**	**1,112,260**	**642,780**	**367,284**	**227,856**	**107,865**	**241,681**	**5,838,523**
%	**27.1**	**26.7**	**19.1**	**11.0**	**6.3**	**3.9**	**1.8**	**4.1**	**100.0**

10.17 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting the status of food satisfaction of the household during the Preceeding Year by Region, 2007/08 Agricultural Year

Region	Never	Seldom	Sometimes	Often	Always	Total
Dodoma	100,480	135,340	34,793	55,069	33,288	358,969
Arusha	55,692	74,119	17,962	32,852	24,922	205,547
Kilimanjaro	94,847	85,898	19,811	25,422	16,730	242,708
Tanga	113,168	118,331	29,098	43,519	26,663	330,779
Morogoro	114,705	105,384	36,978	29,384	11,970	298,421
Pwani	61,459	66,337	19,075	18,415	9,237	174,523
Dar es Salaam	20,036	9,454	3,763	1,331	577	35,160
Lindi	51,804	51,442	26,581	22,587	14,484	166,898
Mtwara	90,319	91,200	27,957	25,291	14,606	249,373
Ruvuma	108,069	58,491	27,403	10,055	6,262	210,281
Iringa	193,274	67,378	21,087	15,665	9,226	306,629
Mbeya	256,754	116,746	42,751	26,094	12,480	454,824
Singida	92,857	66,587	14,794	20,646	22,109	216,992
Tabora	137,647	86,965	22,662	19,980	21,193	288,447
Rukwa	106,918	83,152	18,598	10,951	6,631	226,250
Kigoma	93,549	70,975	29,487	14,934	16,225	225,171
Shinyanga	184,478	165,812	41,710	57,214	35,998	485,212
Kagera	141,623	157,092	50,648	37,369	19,178	405,910
Mwanza	150,499	143,146	34,878	42,204	28,266	398,993
Mara	62,129	91,178	29,359	24,926	19,140	226,731
Manyara	77,697	68,110	18,443	22,404	11,858	198,513
Mainland	**2,308,002**	**1,913,138**	**567,835**	**556,312**	**361,043**	**5,706,329**
North Unguja	7,958	12,425	3,830	4,398	1,742	30,354
South Unguja	10,345	7,346	1,518	635	416	20,259
Urban West	9,922	5,464	1,821	816	628	18,651
North Pemba	12,238	11,797	2,829	3,845	2,185	32,895
South Pemba	13,789	10,696	2,193	1,709	1,648	30,034
Zanzibar	**54,252**	**47,727**	**12,192**	**11,404**	**6,619**	**132,193**
National	**2,362,254**	**1,960,865**	**580,026**	**567,716**	**367,662**	**5,838,523**
%	**40.5**	**33.6**	**9.9**	**9.7**	**6.3**	**100.0**

10.18 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Income by Region, 2007/08 Agricultural Year

Region	Sales of Food Crops	Sale of Livestock	Sale of Livestock Products	Sales of Cash Crops	Sale of Forest Products	Business Income	Wages & Salaries in Cash	Other Casual Cash Earnings	Cash Remittance	Fishing	Other	Not applicable	Total
Dodoma	187,121	11,186	10,704	62,487	8,076	20,819	6,011	32,219	7,564	480	4,836	7,465	358,969
Arusha	90,626	50,871	12,081	10,845	357	11,924	9,672	14,257	3,112	89	538	1,175	205,547
Kilimanjaro	128,970	9,787	11,796	14,508	1,341	17,050	19,921	28,014	8,486	155	2,193	488	242,708
Tanga	202,750	7,518	7,890	18,224	6,635	24,670	12,613	31,926	13,602	3,464	1,346	140	330,779
Morogoro	228,957	5,459	5,683	12,999	2,942	14,750	7,380	16,588	1,774	494	208	1,186	298,421
Pwani	98,314	2,919	3,971	19,243	6,285	14,929	4,908	9,802	3,690	8,398	943	1,120	174,523
Dar es Salaam	10,053	1,231	2,313	1,178	227	7,516	5,753	4,671	639	782	617	180	35,160
Lindi	97,571	2,086	726	33,390	2,406	8,588	2,552	11,431	2,098	2,513	2,453	1,083	166,898
Mtwara	148,370	2,170	1,617	58,335	1,934	9,774	2,721	10,555	5,359	3,794	1,737	3,006	249,373
Ruvuma	145,555	1,823	2,076	26,995	1,447	6,800	5,677	7,852	775	5,457	2,227	3,596	210,281
Iringa	195,684	6,928	6,018	14,679	5,246	20,741	11,603	33,593	8,533	636	1,632	1,336	306,629
Mbeya	313,718	11,141	8,424	38,324	4,343	30,605	6,793	24,327	8,715	1,507	4,590	2,337	454,824
Singida	114,481	13,441	7,440	35,980	1,818	10,823	3,276	20,901	4,722	1,295	2,340	475	216,992
Tabora	172,232	12,899	9,220	31,798	5,171	18,586	6,320	25,199	5,523	197	1,081	221	288,447
Rukwa	178,370	3,043	1,772	9,492	2,998	8,852	2,526	12,772	1,372	4,828	0	224	226,250
Kigoma	154,699	5,039	2,905	6,584	2,810	13,424	5,605	25,391	2,921	3,009	2,161	622	225,171
Shinyanga	301,872	15,278	10,538	89,421	2,709	19,646	6,057	33,630	2,742	0	2,139	1,181	485,212
Kagera	279,810	8,565	7,669	30,144	948	18,218	11,861	32,631	4,556	5,834	4,764	911	405,910
Mwanza	251,289	11,582	11,433	29,482	2,120	28,667	7,880	28,948	7,829	16,016	3,745	0	398,993
Mara	162,684	12,902	6,175	6,851	1,397	9,374	4,918	13,074	2,528	4,643	1,908	280	226,731
Manyara	90,912	26,941	12,687	20,661	1,641	15,028	2,466	22,899	4,464	581	233	0	198,513
Mainland	**3,554,041**	**222,807**	**143,138**	**571,621**	**62,851**	**330,784**	**146,514**	**440,681**	**101,004**	**64,172**	**41,690**	**27,026**	**5,706,329**
North Unguja	11,178	387	640	815	57	3,794	2,871	3,111	1,278	5,692	234	297	30,354
South Unguja	7,619	568	401	606	694	2,989	2,993	1,379	718	2,039	235	16	20,259
Urban West	4,741	440	691	251	31	3,611	4,616	2,386	283	911	345	345	18,651
North Pemba	7,393	618	892	1,049	278	4,250	2,910	3,015	5,040	7,131	135	183	32,895
South Pemba	10,559	258	679	1,095	245	2,269	3,330	3,191	3,580	3,971	693	165	30,034
Zanzibar	**41,491**	**2,270**	**3,303**	**3,817**	**1,306**	**16,913**	**16,720**	**13,082**	**10,898**	**19,744**	**1,642**	**1,006**	**132,193**
National	**3,595,532**	**225,077**	**146,441**	**575,438**	**64,157**	**347,697**	**163,233**	**453,763**	**111,903**	**83,916**	**43,332**	**28,032**	**5,838,523**
%	**61.6**	**3.9**	**2.5**	**9.9**	**1.1**	**6.0**	**2.8**	**7.8**	**1.9**	**1.4**	**0.7**	**0.5**	**100**

Appendix IIIa: Smallholder Questionnaire

United Republic of Tanzania

ACQ1 *CONFIDENTIAL*

Small holder/Small Scale Farmer questionnaire

Identification

Agricultural Sample Census 2007/2008

Enumerator Name ..... **Signature** .....

Date of Enumeration

d d / m m / y y y y

Start Time **End Time**

Hour	Minutes

Field level checking by:

District Supervisor	Name	Signature	Date / /
Regional Supervisor	Name	Signature	Date / /
National Supervisor	Name	Signature	Date / /

! To be filled by the supervisor ONLY after Field/farm level checking of the enumeration process. This should be countersigned by the Supervisor in front of the enumerator

Distric checking in Office

District Supervisor	Name	Signature	Date / /

All questionnaires must be checked at the district office.

For Use at Regional Level Only

Data entered by:	Name	Signature	Date / /
Queried	Name	Signature	Date / /

See the back page for details of queries

Ministry of Agriculture and Food Security, Ministry of Livestock and Fisheries Development, Ministry of Agriculture and Environment of Zanzibar, Ministry of Water and Irrigation, Prime Ministers' Office Regional Administration and Local Government, Ministry of Industry Trade and Marketing, National Bureau of Statistics, and the Office of the Government Statistician General of Revolution Governemnet of Zanzibar

Definition and working page for page 1

General Definitions

Who is a Smallholder /Small Scale farmer?
Should have one or more of the following: in the 2007/08 farming season had one or more cultivated and planted farms. The farm land may either be owned, rented, borrowed. The farmer may also be raising 1 and 50 head of cattle, and/or between 5 and 100 head of sheep/Goats/Pigs, and/or between 50 and 1000

Household: A group of people who occupy the whole of part one or more housing units and makes joint provision for food and/or other household items. Usually such a group comprises a husband, wife, and their children. Other relatives may be members of the household if they happen to live and get food provisions from the same household. People who live together and eat from the same pot may be considered as member s of the same household even if they stay in separate dwellings. An individual who lives and east alone is considered as an independent household.

Household Head: A person who is acknowledged by all other members of the household either by virtue of his age or standing in the household as the head. He/she should be a permanent resident of the house and he/she is the main person responsible for decision making regarding use of household resources..

Agricultural Holding: This is an economic unit of agricultural production under single management. This unit may have been grown various crops. For the purpose of the survey, the agricultural holdings are restricted to those which meet one of the following conditions:
- Having or operated at least 25 sq meter of arable land
- Own or keep at least one head of cattle or five goats/sheep/five pigs or fifty chicken/ducks/turkeys during the agricultural year 2007/08 (from October 2007 to September 2008).

Question Specific Definitions:

Type of Agriculture holding Codes (Q2.1):
Crops only: A holding is referred to be a crop only holding if it has cultivated at least one piece of land. This also applies to all households owning or have kept livestock whose number does not qualify such households to be an agricultural holding (No cattle, less than 5 goats/sheep/pigs, less than 50 chickens/turkeys/rabbits).

Livestock only: A holding is referred to be a livestock only holding if it has exercised livestock husbandry only during the 2007/08 agricultural year.

NOTE
For agricultural holding only and pastoralist holding only; the number of livestock should be at least one head of cattle, not less than five goats/sheep/pigs, not less than 50 chickens /turkeys / rabbits. This also applies to households having or operated less than 25 sq meter of cultivated land (which does not qualify the household to be considered as agricultural holding) but has the number of livestock that makes the holding qualifies to be considered as livestock holding.

Pastoralist holding: This refers to a household which practices livestock production as its major income generating activity and a means of subsistence, but moves from one place to another searching for water and pasture for the livestock. This movement usually involves long distances and in many cases the whole household unit moves with the livestock and they have no permanent place of residence.

Both crops and livestock: A holding is referred to be a both crops and livestock if it has cultivated a piece of land equal or exceeding 25 sq meter and if such households have own or kept livestock whose number qualify such household be considered as an agricultural holding.

Procedures for questions:

Q 2.1 Type of agriculture household/holding

Using the options under the question classify the type of agriculture household/holding

Note: If the household had an acre of crops and raised 40 chickens during 2007/08, it is classified as 'Crops only' as the number of chickens does not qualify the household as a livestock holding.

1.0 IDENTIFICATION DETAILS

Identification

1.1 **Location**

Na.	Location Name	Codes
1.1.1	Rgion ……	
1.1.2	District ……	
1.1.3	Ward ……	
1.1.4	Village ……	

1.2 Deatails of the respondent or household head

Na.		Codes
1.2.1	Name and number of local leader	
1.2.2	Name and number of household head ……	
1.2.3	**Sex of household head**	
1.2.4	Name of respondent ……	
1.2.5	**Relationship of Respondent to household head**	

Relationship to household head codes (Q 1.2.5)

Head of Household *……..1* *Son /Daughter…….....3* *Grandson/Granddaughter…….....5* *No relationship…….7*

Spouse……..…..2 *Father/Mother……...4* *Other relatives……6*

2.0 ACTIVITIES OF THE HOUSEHOLD

2.1	Typeof Agriculture Household	

Household agricultural activities codes(Q 2.1)

Crops only……...1 *Livestock only ……...2* *Pastoralist……3* *Crops and Livestock ……...4*

Definition and working page for page 2

Question Specific Definitions:

Relation to head (Col 2):
Household Head: A person who is acknowledged by all other members of the household either by virtue of their age or standing as the household head.

Read and Write (Col 8)
Any other language: Must be a written language.
For someone who can read and write in Kiswahili and any other language apart from English, the correct code is 1. For one who can read and write in English and any other language apart from Kiswahili the the correct code is 2. Code 4 should only be used for any other language which is not English or Kiswahili.

Education Level Reached (Col 10):
Ask the respondent the highest educational level reached. This aims at establishing whether at the time of enumeration the member of the household is studying has completed or has never studied. Make further enquiry for the level of education reached for those who have completed studies. Establish if the member had attained any training after graduation for the purposes for completing column number 9. For those who still continue attending studies during the period of this survey, establish their learning stage. For instance for a household member who studied up to Standard Three but did complete his/her education at this level, then his/her highest education level reached is Standard Two. For those indicated under code 3 (not studied) in column 8 should be marked code 99 (Not applicable) in column 9.

Section 3.0 Note

Make sure that you define the hh proper to ensure that all the members of the hh are included. Ensure that you stress that the hh is not just the hh heads direct family and that it includes other people living and eating together with the family.

If you notice that the hh is large or you see many people around the hh and you have been given a smaller number of the hh members, make further enquiries until you are sure that you have captured all the hh members.

Section 3.0 Household information.

ii) For each household member complete columns 1,2,3 and 3
After completing columns 1, 2, 3 and 3 for each household member, go back to the first household member and complete the remaining columns for that member.
iii) Repeat step 2 for the rest of the household members.

3.0 HOUSEHOLD INFORMATION Identification

3.1 Give details of personal particulars of all hh members beginning with hh head

Na.	Names of hh members *(Start with hh Head)*	Ex Start with hh Head	Sex M = 1 F = 2	Age *(98 years or more enter 97, under one year old write 00)*	Marital Status	Parental Survival		Not applicable for children under 5 years					
						Mother	Father	Reard and Write	Education status	Levek of education attained	On farm engagements	Main activity	Off farm income yes=1 no=2
	(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*
01	……..…	1											
02	……..…												
03	……..…												
04	……..…												
05	……..…												
06	……..…												
07	……..…												
08	……..…												
09	……..…												
10	……..…												
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24	……..…												
25	……..…												
26	……..…												
27	……..…												
28	……..…												
29	……..…												
30	……..…												
31	……..…												
32	……..…												
33	……..…												

Relationship to household head (Col 2)

Head of household.....1
Female/Male…..…..…..2
Son/Daugther…….....3
Father/Mother……...…4
Grandson/daughter….5
Other Relatives….....6

Marrital Status(Col 4)

Married.....…….…..1
Single.....…….…..…2
Co-habiting 3
Divorced
Separated..... ……..…...4
Widow/widower...……...5

Survival of Parents(Col 6 & 7)

Yes.....…1 No ….....2
Dont't know ...……..3

Ed.ucation Level(Col 9)

Studying ……..1
Has completed…….....2
Never been to school ...…3

Reading and writing (Col 8)

Kiswahili…….....……..1
English …….....……2
Kiswahili and English….....3
Lugha nyingine…….....…...4
Canno tread or write.....….5

Education Level (Col 10)

Primary education	Secondary Education
Below Standard One.....00	Form One.....11
Standard One 01	Form Two 12
Standard Two.....02	Fomr Three.....13
Standard Three.....03	Form Four 14
Standard Four.....04	Form Five 15
Standard Five.....05	Form Six 16
Standard Six 06	Training after Seo.ondary Ed.....17
Standard Seven.....07	University and other Tertiary Ed...8
Daras Standard Eight ..08	Adult
Education.....19	
Training after Primary Ed...09	Not apllicable 99
Pre Form One.....10	

Involvement in farming activitie (Col 11)

Works on farm full time…...1
Works on farm part time…..2
Rarely works on farm....….3
Never works on farm.....…. 4

..... **Main activity (Col 12)**

Crop farming: ……..01.
Livestock farming/herding: ….02.
Pastoralist ……03
Fishing ……..04
Fish farming …….……05
Paid employment / Government/parastal……06
Private/NGOs ……07
Self employee (Off- farm cativities)
- With employees ……...08
- Without employees ……...09
Non paid household member (off – farm activities) ……10.
Unemployed but available for work ….11
Unemployed but unavailable for work..12
House mother ……13
Student ……..14
Unable to work too old, too young, retired, disabled,child 15
Others (specify) …….....98

Off-farm Income (Col 13)

These are income made from activities NOT on the HH's farming activites. This can be from formal employmenbt (e.g. in gpvrenment etc.), temporary jobs, casual labourers and income generation activity and includes working for cash on other people's farms.
Indicate whether each member was involved in an off farm income generating activity during 2007/08

Definitions and working page for page 3

Definitions for Key Specific Questions
Section 4.1 – Land Access/Ownership
These are areas that were used by the households for the 2007/08 farming season

Lease/Certificate of Ownership: Area under lease/certificate of ownership refers to the areas which were issued by the government. The household possesses government issued leasehold little or certificate of ownership. The land will normally be officially surveyed and boundaries marked. This includes leased land bought from others where the lease/certificate of ownership has been transferred.

Customary Law: This refers to the land which the household does not have an official government but its right of use is granted by the traditional leaders.
Bought: This refers to the areas of customary land that has been bought from others. This land does not have an official title and therefore is not leasehold.
Rented from others: Land rented from others for cash or for a fixed amount in crop produce (e.g. fixed number of bags at harvest).

Borrowed: use granted by land owner free of charge. Land owner can either be a lease holder or has right of access through customary law.
Share cropping: where the household is permitted to use land which is then paid for from a percentage of the harvested crop

Section 4.2 Land Use
Temporary crops: are sown and harvested during the same agricultural year
Permanent crops: are crops once sown or planted last for some years and need not to be replanted after each annual harvest.
Permanent crops /mixed crops: This is a mixture of permanent and seasonal crops. The two crops can either be randomly planted together or in a particular pattern e; for example intercropping (1 row of maize and 1 row of beans). A field that has been divided into plots for different crops is not mixed).
This is further subdivided into:
Mixture of Permanent crops – two or more permanent crops grown tougher
Mixture of Permanent and Temporary crops – permanent crop and annual crop together
Mixture of Temporary crops– two or more temporary, annual crops grown together
Pasture land: this is an area of owned/allocated land which is set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilized or where other means have been applied to improve the pasture. Or it can be natural pasture.
Natural Bush: Land which has naturally grown shrubs and trees and is considered productive but is not utilized for farming or livestock production.

Overview to section 4

Overview to section 4
Section 4.0: Preliminary note
Land Access/Ownership
Land access/ownership refers to the area utilized by the members of the household. This does not include communal land where the resources are shared between household members. It does not include official communal land that the household has sole access to for example a plot for crop farming in the communal area.

Procedures for questions

Section 4.0 – Land Ownership
1. Ask the respondent if he knows the total areas of land the household has sole access to. If he knows make a note in the calculation space
2 Ask the respondent the area of the different land ownership categories the household has sole access to (Q4.1, 1 to 4.1.7) and record in the appropriate spaces.
3. Add up the area of the different categories of land and compare it with the total area obtained in step 1 (if the respondent provided the information)
4. If the total area is different find out which one is correct and make

Section 4.2: Land Use
1. Ask the respondent the area of the different land use categories the household has sole access to (Q4.2.1 to 4.2.12) and record in the appropriate spaces.

2. Add up the area of the different categories of land and compare it with the total area obtained in section 4.0. The total area should be the same.

3. If the total area is different find out which one is correct and make amendments where appropriate.

4.0 LAND ACCESS/OWNERSHIP/TENURE Identification

4.1 LAND ACCESS/OWNERSHIP/TENURE

Give details on Area owned by the household during 2007/08 agricultural season.

	Give area as reported by the respondent in acres	**Area in Acre**		
			4.1.8	Was the whole household area used during the 2007/08 agricultural season? (Yes=1, No=2)
4.1.1	Area under certificate of ownership			
4.1.2	Area owned under customary law			
4.1.3	Area bought		4.1.9	Do you consider to have enough land for your household? (Yes=1, No=2)
4.1.4	Area rented from others			
4.1.5	Area borrowed from others			
4.1.6	Area share cropped from others		4.1.10	Is there any female who owns land or has customary rights to land ownership in this household? (Yes=1, No=2)
4.1.7	Area under other forms of tenure			
	Total area			

4.2 LAND USE

Area used by the household for various agricultural activities during 2007/08 agricultural season

	Enter area as reported by the respondent in acres	**Area in acre**	**Working space for calculations**
4.2.1	Area planted temporary monocrops		
4.2.2	Area planted temporary mixed crops (e.g. maize and beans)		
4.2.3	Area planted permanent moncrops		
4.2.4	Area planted permanent mixed crops (e.g. banana, coffee, trees)		
4.2.5	Area planted permanent and temporary mixed crops (e.g. maize and banana)		
4.2.6	Area under pasture		
4.2.7	Area under fallow		
4.2.8	Area under natural forest		
4.2.9	Area planted trees		
4.2.10	Area rented to others		
4.2.11	Area unsuitable for agricultrure		
4.2.12	Uncultivated arable land (minus area under fallow)		
	Total area		

Definitions and working page for page 4

Working table for the calculation area for annual mixed crops

Mixed crops 1	Crop Name	Total area of mixed (acre)	Area for plants (acre)	Total number of plants	Total area of plants (acre)
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)=(d)*(e)*
Permanent crop 1			0.000		
Permanent crop 2			0.000		
Permanent crop 3			0.000		
Permanent crop 4			0.000		
			Total area for permanent crops		
Total Area for mixed crops					
The remaining area for temp crops					

	% of temporary	Area for permanent crop
Name of the crop temp/permanent 1		
Name of the crop temp/permanent 2		
Name of the crop temp/permanent 3		
Check total area	Check total area for temporary crops	

Mixed crops	Name of plant	Total area mix (acre)	Area for the plant (acre)	Total of plants	Total area for plants (acre)
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)=(d)*(e)*
Permanent crop 1			0.000		
Permanent crop 2			0.000		
Permanent crop 3			0.000		
Permanent crop 4			0.000		
			Total area for permanent crops		
Total area for mixed crops					
The remaining area for temp crops					

	% of temporary	Area for temporary crop
Name of the crop temp/permanent 1		
Name of the crop temp/permanent 2		
Name of the crop temp/permanent 3		
Check total area	Check total area for temporary crops	

Planted Area: Area in acre the household was able to plant

Harvested Area: Area in acre the household was able to harvest a large portion of harvests. this is the same as the area planted minus the area that was destroyed by floods/ pets /

Temporary/Annual Crops

Crops planted and harvested within 12 months after which time the plants die . Most annual crops are planted and harvested on a seasonal base.

Cash crop codes:

Code	Crop
50	Cotton
51	Tobacco
53	Payrethrum
62	Jute
19	Seaweed

Crop Codes(Creal / Tubers/ Roots:

Code	Crop
11	Maizei
12	Paddy
13	Sorghum
14	Buirush Millet
15	Finger Millet
16	Wheat
17	Barley
22	Sweet Potatoes
23	Irish Potatyoes
24	Yams
25	Cocoyamsi
26	Onions
27	Gingeri

Vegetable Codes:

Code	Crop
86	Cabbage
87	Tomatoes
88	Spinach
89	Carrot
90	Chillies
91	Amaranths
92	Pumpkin
93	Cucumber
94	Egg plant
95	Water mellon
96	Cauliflower
06	Melllon
05	nyanyachungu
02	Ocra
03	Radish
01	Green Beans
04	Bizari

Crop Codes Legumes and Oil

Code	Crop
31	Beans
32	Cowpeas
33	Green Gram
34	Chick Peas
35	Dengu
36	Bambara nuts
37	Njegere
41	Sun flower
42	Simsim
43	Ground uts
47	Soya beans
48	Caster Seed

Instructions for calculating the area of mixed crops in a mixture

A. If the mixed crop is mixed annual ly only enter the total area of the field in the remaining area under temporary Crop and go to step one of these instructions.

B. If the mixed crop is mixed permanent and annual try to work tyhe percent age taken by the different crops and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annula crops in the mix.

C: Number of trees method to calculate annual crop areas in a permanent-annual crop mix.:

(i) List each of the permanent crop in collumn **b** and enter the ground area per acre for each permanent crop (from instrcutions for page 8) in colum d.

(ii) Enter the number of permanent trees in the mix in collumn e as will be provided to you by the respondent

(iii) Calculate the area occpied by each crop by multiplying collumn d and collumn e and sum up these to obatin the total area of permanent crops in the mix.

iv) To obatin the area for tempofrary crops , substract **(-)** the area fro permanent crops from thne total area of crop mix and enter the resulst in in the total area under temporary crops.

(v) Proceed to step 1 to calculate the area under each temporary crop.

1. Enter the name of each temporary crop in tyhe crop mix and estimate percentages of each crop**.**

2. Using the percentage for each crop, calculate the are for each crop from the remaining area under tenmporary crop.

3. After completing the exrcise for all the fields, sum the area of each crop in tyhe mix plus any monocrops and uenter the totals in section 5.1.1 Collumn 3.

4. Once the quantity harvested is obtained , cakIculate the yields (metric tonnes/acre) and compare the figures with the norms given in the crops code box. If there is significantly differentce, check the area and the amouint harvested..

5.0 PERMANENT AND TEMPORARY CROP PRODUCTION — Identificatoion

5.1 ANNUAL CROPS AND VEGATBLE PRODUCTION-SHORT RAINY SEASON

Did your household palnted any crop duding short rainy season for 2007/08 agricultural year? Yes = 1, No = 2,(If the answer is yes proceed to Section 5.3)

5.1.1 Provide the following details for each crop planted during the short rainy season for 2007/08 agricultural year

Name of Crop	Planting: Crop code	Planting: Actual area plnated (acre)	Main crop owner: Enetr the number of the hh member from page 2 on informati on for hh members	Pembejeo: Use of Seeds: The type of seed plant ed	Use of seeds	Quantity: Quant ity	Quantity: Quantity used	Cost (Tshs)	Irriga ted area	Use of fertilisers (If 6 is the answer in col 11 proceed to col 16): Cultiv ated area	Tyep of fertili sers used	Quantity of fertilisers: Meas urem ent	Quantity of fertilisers: Quantity used	Coist (Ths)	Use of chemicals agaisnt weeds (If 6 is the answer in col 11 proceed to col 20): Cultiv ated areaE neo lililot umik a	Qunaity of agrochemicals: Quant ity	Qunaity of agrochemicals: Quantity used	Cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
……																		
……																		
……																		
……																		
……																		
……																		
……																		
……																		
……																		
Total area planted																		

Type of seeds planted (Col 5)
Local seeds …1
Improved seeds……..2

Use of agricultural seeds (Col 6.)
For the whole crop……..1
3/4 of the whole crop……..2
1/2 of tyhe whole crop……..3
1/4 ofd the whole crop……..4
Under 1/4 of the whole crop...5

Qunatity (Col 7)
Kg ……1
Seedlings….2
Gram…..3

Use of farm inputs (SCol10,11 & 16)
For the whole crop……..1
3/4 of the wholrecrop……..2
1/2 of tyhe whole crop……..3
1/4 ofd the whole crop……..4
Under 1/4 of the whole crop...5
Not used ……6

Type of fertilsers (Col 12)
Organic fertiliser……..1
inorganic fertlisers……..2

Quantity (Col 17)
Kig ……1
Litre……..2
Gram…..3
Millilitre…..6

Kipimo (S/wima 13)
Kilo …….1
Lita……..2
Milli-lita..3

Main crop owner: (Col 4)
Enter number of hh member from page 2 on details on hh members in Q. 3

5.2 ANNUAL CROPS AND VEGATBLE PRODUCTION-LONG RAINY SEASON CONTINUED …

5.2.1 Provide the following details for each crop planted during the short rainy season for 2007/08 agricultural year

Identification

Name of crop	Crop code	Use of fungicides (If 6 is the answer in col 20 proceed to col 24)				Use of pesticides (If 6 is the answer in col 24 proceed to col 28)				Harvesting and Storage			Marketing		
		Area used	Size		Cost	Area used	Size		Cost	Quantity harvested (kg)	Quantity stored (kg)	Main storage methods	Quantity sold (kg)	Where was the crop mostly sold?	Main problems in crop marketing
			Quantity	Used			Quantity	Used							
(1)	(2)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
.....															
.....															
.....															
.....															
.....															
.....															
.....															
.....															
.....															
.....															

Use of farm inputs (Col 20&24)

For the whole crop.....1
3/4 of the wholrecrop.....2
1/2 of tyhe whole crop.....3
1/4 ofd the whole crop.....4
Under 1/4 of the whole crop...5
Not used 6

Quantity (Col 21&25)

Kig 1
Litre.....2
Gram.....3
Millilitre.....6

Main Storage mechanisms (Col 30)

Locall storage facilities.....1
Improved Local storage facilitiiies 2
Modern store.....3
Open drums/sacks.. 4
Cealed drums.....5
In heaps.....O.....6
not Stored.....7
Other means ()Specify.....8

Where the crop was sold(Col 32)

Neighbours.....01 Private Businessman.....08
Open markets. .....02 Contract farming.....09
Auctions.....03 Not sold.....10
Main Market.....04 Others 98
Cooperative Union….05
Farmers Association..06
Large Scale farm.....07

Marketing problems (Col 33)

Very low prices.....01 No problem 11
No transport.....02 Others (Specify 98
High transport costs.....03 Not applicable 99
Lack of crop buyers 04
Markets located far away ..05
Problems with farmers Associations 06
Probloems with cooperative Unions 7
Problems with Businessmen Association ...8
Strigent Government Conditions ...9

Definitions and working page for page 5

Storage (Col. 30, Q 5.1.1):
- **Traditionally Made strcutures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of tradional storagesrutures improved through modern technology.

Marketing Challenges Q 5.1.1 Col. 33:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.1.1)

Farm Yard Manure: An organics fertliser made on farm from animal dung. .
Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Working area/calculation space

Questions specific definitions

Q 5.1.1. Instructions on crops storage:
1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.

2. For the listed crops give explanations on storage.

Crops storage is keeping/reserving crops in a container or a special place for future use.

Q 5.1.1 Col 31
1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Definitions and working page for page 6

Working table for the calculation area for annual mixed crops

Mixed crops 1	Crop Name	Total area of mixed (acre)	Area for plants (acre)	Total number of plants	Total area of plants (acre)
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)=(d)*(e)*
Permanent crop 1			0.000		0.00
Permanent crop 2			0.000		0.00
Permanent crop 3			0.000		0.00
Permanent crop 4			0.000		0.00
Total Area for mixed crops			Total area for permanent crops		0.00
The remaining area for temp crops					

	% of temporary	Area for permanent crop
Name of the crop temp/permanent 1		
Name of the crop temp/permanent 2		
Name of the crop temp/permanent 3		
Check total area	Check total area for temporary crops	

Mazao mchanganyiko 2	Name of plant	Total area mix (acre)	Area for the plant (acre)	Total of plants	Total area for plants (acre)
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)=(d)*(e)*
Permanent crop 1			0.000		0.00
Permanent crop 2			0.000		0.00
Permanent crop 3			0.000		0.00
Permanent crop 4			0.000		0.00
Total area for mixed crops			Total area for permanent crops		0.00
The remaining area for temp crops					

	% of temporary	Area for temporary crop
Name of the crop temp/permanent 1		
Name of the crop temp/permanent 2		
Name of the crop temp/permanent 3		
Check total area	Check total area for temporary crops	

Planted Area: Area in acre the household was able to plant
Harvested Area: Area in acre the household was able to harvest a large portion of harvests. this is the same as the area planted minus the area that was destroyed by floods/ pets /

Temporary/Annual Crops
Crops planted and harvested within 12 months after which time the plants die . Most annual crops are planted and harvested on a seasonal base.

Cash crop codes:

Code	Crop
50	Cotton
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53	Payrethrum
62	Jute
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Crop Codes(Creal / Tubers/ Roots:

Code	Crop
11	Maizei
12	Paddy
13	Sorghum
14	Buirush Millet
15	Finger Millet
16	Wheat
17	Barley
22	Sweet Potatoes
23	Irish Potatyoes
24	Yams
25	Cocoyamsi
26	Onions
27	Gingeri

Vegetable Codes:

Code	Crop
86	Cabbage
87	Tomatoes
88	Spinach
89	Carrot
90	Chillies
91	Amaranths
92	Pumpkin
93	Cucumber
94	Egg plant
95	Water mellon
96	Cauliflower
06	Melllon
05	nyanyachungu
02	Ocra
03	Radish
01	Green Beans
04	Bizari

Crop Codes Legumes and Oil

Code	Crop
31	Beans
32	Cowpeas
33	Green Gram
34	Chick Peas
35	Dengu
36	Bambara nuts
37	Njegere
41	Sun flower
42	Simsim
43	Ground uts
47	Soya beans
48	Caster Seed

Instructions for calculating the area of mixed crops in a mixture

A. If the mixed crop is mixed annual ly only enter the total area of the field in the remaining area under temporary Crop and go to step one of these instructions

B. If the mixed crop is mixed permanent and annual try to work tyhe percent age taken by the different crops and calcualet the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annula crops in the mix.

C: Number of trees method to calculate annual crop areas in a permanent-annual crop mix.:

(i) List each of tyhe permanent crop in collumn **b** and enter the ground area per acre for each permanent crop (from instrcutions for page 8) in colum d.

(ii) Enter the number of permanent trees in the mix in collumn e as will be provided to you by the respondent

(iii) Calculate the area occpied by each crop by multiplying collumn d and collumn e and sum up these to obatin the total area of permanent crops in the mix.

iv) To obatin the area for tempofrary crops , substract **(-)** the area fro permanent crops from thne total area of crop mix and enter the resulst in in the total area under temporary crops.

(v) Proceed to step 1 to calculate the area under each temporary crop.

1. Enter the name of each temporary crop in tyhe crop mix and estimate percentages of each crop**.**

2. Using the percentage for each crop, calculate the are for each crop from the remaining area under tenmporary crop.

3. After completing the exrcise for all the fields, sum the area of each crop in tyhe mix plus any monocrops and uenter the totals in section 5.1.1 Collumn 3.

4. Once the quantity harvested is obtained , caklculate the yields (metric tonnes/acre) and compare the figures with the norms given in the crops code box. If there is significantly differentce, check the area and the amouint harvested..

5.3 PERMANENT/PERENNIAL CROPS AND FRUIT TREE PRODUCTION

Identification

Does your household have any permanent/perennial crops or fruit trees Yes =1, No = 2, (If answer is NO proceed to Section 6.0)

5.3.1 Give details on permanent/perennial crops or fruit trees

		Production Section				Farm inputs									
		Monocrops	Mixed crops		Main crop owner: Enetr the number of the hh member from page 2 on information for hh	Uses of seeds					Irrigation	Uses of Fertilisers (If 6 is the answer in col 13 proceed to col. 17)			
Name of permanent/perennial crop	crop code of permanent / perennial crop/fruit trees	Area for trees/seedling/branch/bushes	Are for mixed crops (Acre)	Number of Tplants/ trees in the crop mixh of permanent and perennial crop		Type of planted seeds	Cultivated area	Size: Quantity	Size: Used	Cost (Ths)		Area used	The type of fertiliser used	Quantity of fertiliser (kg)	Cost (Ths)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
.....															
.....															
.....															
.....															
.....															
.....															
.....															
.....															
.....															

Type of seed planted (Col 7)
Local seeds.....1
Improved seeds.....2
Dont't know/ Not applicable...3

Main crop owner (Col 6):
nter the number of the hh member from page 2 on information for hh members in Q 3

Area cultivated (col. 8)
For the whole crop.....1
3/4 of the whole crop.....2
1/2 of tyhe whole crop.....3
1/4 ofd the whole crop.....4
Under 1/4 of the whole crop...

Qunatity (Col 9)
Kg 1
Seedlings....2
Gram.....3

Use of farm inputs (Col 12 & 13)
For the whole crop.....1
3/4 of the wholrecrop.....2
1/2 of tyhe whole crop.....3
1/4 ofd the whole crop.....4
Under 1/4 of the whole crop...5
Not used 6

Type of fertilsers (Col 14)
Organic fertiliser... 1

5.3 PERMANENT/PERENNIAL CROPS AND FRUIT TREE PRODUCTION CONTINUED ….. Identification

5.3.1 Give details on permanent/perennial crops or fruit trees during 2007/08 agricultural year

Name of crop	Crop code	Uses of weeds control chemical (If 6 is the naswer in col 17 Proceed to col 21)				Use of fungicides (If 6 is the answer in col 20 proceed to col 24)				Use of pesticides (If 6 is the answer in col 25 proceed to col 29)				Crop harvesting and storage					Marketing	
		Area used	Size		Cost	Area used	Size		Cost	Area used	Size		Cost	Harvested area (acre)	Quantity of mature plants	Quantity harvested (kg)	Quantity stored (kg)	Njia Kuu ya kuhifadhi	Quantity sold (kg)	Main marketing problem
			Quantity	Used			Quantity	Used			Quantity	Used								
(1)	(2)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)

Area used (Col 20&24)
For the whole crop.....1
3/4 of the wholrecrop..... 2
1/2 of tyhe whole crop..... 3
1/4 ofd the whole crop..... 4
Under 1/4 of the whole crop...5

Main Storage mechanisms (Col 33)
Locall storage facilities... 1
Improved Local storage facilitiiies 2
Modern store... 3
Open drums/sacks..... 4
Cealed drums.... 5
In heaps.....6
not Stored.....7
Other means ()Specify..... 8

Marketing problems (Col 35)
Very low prices.....01 No problem 11
No transport.....02 Others (Specify 98
High transport costs.....03 Not applicable 99
Lack of crop buyers 04
Markets located far away ..05
Problems with farmers Associations 06
Probloems with cooperative Unions 7
Problems with Businessmen Association ...8
Strigent Government Conditions ...9

Quantity (Col 18, 22, & 26)
Kig 1
Litre.....2
Gram... ...3
Millilitre... ...6

Definitions and working page for page 7

Storage (Col. 30, Q 5.2.1):
- **Traditionally Made strcutures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of tradional storagesrutures improved through modern technology.

Marketing Challenges Q 5.2.1 Col. 33:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.2.1)

Farm Yard Manure: An organics fertliser made on farm from animal dung. .
Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Questions specific definitions

Q 5.2.1. Instructions on crops storage:
1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.

2. For the listed crops give explanations on storage.

Crops storage is keeping/reserving crops in a container or a special place for future use.

Q 5.2.1 Col 33
1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Working area/calculation space

Definitions and working page for page 8

Permanent Crops:
These are crops once planted last longer in the farm and need not be replanted after each annual harvest. Most of the permanent plants include tress such as coconut tress, apple trees, grape trees, banana trees, pineapple trees etc.

Number of Trees:
These include manure trees and premature trees.

Number of mature plants:
A total of fruit bearing tress (e.g. mango trees, orange trees, avocado trees e.t.c).

Instructions for permanent monocrops and crop mix:
A. For a field with permanent monocrop enter farm size in collumn. 3.
B. For a field with a permanent crop mix or a temporary crop mix, enter the number of trees only in collumn **4**.
C. For a field with a permanent crop mix /temporary annual crops , either:
-Enter the area in collumn 4, if the total arae for permanent crops was obatined through calcualtion of percentages of each crop
OR
Enter the number of tree in collumn 5, if the number of plants/ seedlings of permanent crops was excluded

21 Cassava: Cassava is a temporary crop, in order to simplify data collection on areas of production, data on cassava will be collected from areas under permanent crops.

Permanent crops:(crop oils)

Code	Crop	Area per crop
44	Palm Trees	0.00049
45	Coconut tree	0.00037
46	Cashew nut tress	0.00062

Permanent crops (Cash crops)

Code	Crop	Area per crop
53	Sisal	0.00012
54	Coffee	0.00049
55	Tea	0.00037
56	Cocoa	0.00049
57	Rubber	0.00099
58	Wattle	0.00099
59	Kapok	0.00124
60	Sugar-cane	0.00012
61	Cardamon	0.00049
63	Tamarin	0.00099
64	Cinarmon	0.00124
65	Nutmeg	0.00099
66	Clove	0.00074
18	Black pepper	0.00037
34	Pigeon Peas	0.00025
21	Cassava	0.00019
75	Pineapple	0.00006
86	Lemon Grass	

Permanent crops:

Code	Crop	Area per crop
70	Passion Fruit	0.00074
71	Bananas	0.00037
72	Avocado	0.00099
73	Mango	0.00099
74	Pawpaw	0.00037
76	Orange	0.00074
77	Grape fruit	0.00074
78	Grape	0.00012
79	Mandarin	0.00074
80	Guava .	0.00074
81	Plums	0.00074
82	Apples	0.00074
83	Peaches	0.00074
84	**Mifyoksi**	0.00074
85	Lime/lemon	0.00074
68	Pomelo	0.00099
69	Jack Fruit	0.00074
97	Durian	0.00074
98	Bilimbi	0.00074
99	Rambutan	0.00074
67	Bread Fruit	0.00099
38	Malay apple	0.00074
39	Star Fruit (Sakua)	0.00074

Definitions and working page for page 9

Storage (Col. 33, Q 5.3.1):
- **Traditionally Made strcutures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of tradional storagesrutures improved through modern technology.

Marketing Challenges Q 5.3.1 Col. 35:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.3.1)

Farm Yard Manure: An organics fertliser made on farm from animal dung. .
Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Questions specific definitions

Q 5.3.1. Instructions on crops storage:
1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.

2. For the listed crops give explanations on storage.

Q 5.3.1 Col 35
1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Working area/calculation space

Definitions and working page for page 10

Investment in agriculture
Investment activities:
Investment activities refer to medium to long term farm development structures and projects. This can be irrigation structures, erosion conrol and water harvesting structures or other permanent or semi-permanent investment made on the land that the household owns.

Irrigated farming: Section 6.5:
Source of irrigation water (Col 1): The main source of the water used for irrigation.
Method of obtaining water (Col 2): The mechanism by which the water is extracted from the source
Irrigatable area (Col 3): The area the irrigation system is designed to cover in acrage
Area of irrigated land during the 2007/08 (Col 5): Area of land under irrigation during the 2007/08 agricultural year. This is the actual area nd NOT the cumulative areas recultivated in 2 or more cropping seasons.

Farm Implements (Col. 1):

Machette : Includea all implements use in tree cutting namely cicle, et.c.

Sprimkler: The pump carrued on the back or a hand used water pump
Hand used small tractor: A small tractor used in cultivation while the user walks on foot (see photo).

Section 6.2 Use of draft animals
Animals used in agricultural activities by the household during 2007/08 agricultural season.

Castrated Bulls: Castrated oxen meant for use in agricultural production.
Uncastrated Bulls: mature bulls used for garicultrural activities but are not castrated.
Cow: Farmers also use mature female cattle in agricultural activities due to shortage of bulls
Donkey: Mature Male or female donekys are also used for agricultural production.

Q 6.5 Irrigation.
1. If a household uses irrigated farming give explanations aon source and method of obatining water. .
2. **See Col** 10, Q. 5.1.1 and 5.2.1 and **Col** 12, Q 5.3.1 to see if irrigation was applied to any crop.

Farm implements, Q 6.1:
1. Collumn **2** Indicate whether or not inputs were used
2. Complete collumn 3 by entering the number of inputs used.

Farm inputs: Sections 6.3 and 6.4

1. Collumn **2** Indicate whether or not inputs were used.
2. Compelte collumn 3 by indicating where the inouts were obatined and collumn 4 by indicating the distance from where the inputs were obatined

Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Tractor tiller	
Tractor hallow	
Castrated bulls	
Uncastrated bulls	
Cows	
Donkeys	
Shredding Machine	
Power Tiller	
Oxen pulled plough for making terraces	

6.2.6	Power Tiller	

6.3 USE OF ORGANIC FERTILISERS

6.3.1 Give details on the use of organic fertlisers during 2007/08 agriculture year

	Type of fertiliser	Used Yes=1, No=2	Quantity	Quantity used	Area used (Acre)
	(1)	(2)	(3)	(4)	(5)
6.3.2	Manure				
6.3.3	Compost				

KQuantity (Col 3)
Kg……1
Ton……2

ACCES TO INPUTS

Give details on inputs used during 2007/08 agricultural year

Name of inputs	Used (Yes=1, No=2)	Source	Distance
(1)	*(2)*	*(3)*	*(4)*
Inorganic fertilisers			
Farm yard manure			
Compost			
Insecticides/Fungicide			
Pest and weeds control chemicals			
Improved seeds			

Source (Col.3)
Government……01
Cooperative Union…… …02
Farm inputs store/market……03
Auction……04
Development project……05
Corp buyers……06
Large Scake farms……07
Made by the household……08
Form neighbour……09
Cooperative Union……10
Others ……98
Not applicable……99

Distance from the source (Cola 4)
Under 1 kilometre……1
Btween One and three kilometres ……2
Btween three and 10 killometres3
Between 10 and 20 Kilometres ……4
Over 20 Kilometres……5
Not applicable……9

Source of irrigation water (Col 1)
River……1 Wells ……4
Lake ……2 Deep wells……5
Dams……3 Cannals ……6
Tape water……7

IRRIGATED FARMING

Did the household use irrigated farming during 2007/08 agriculture year? Yes=1, No = 2

If the answer is yes proceed to Section 6.6

Na.	Main source of water for irrigation	Main source of obtaining water	Area that can be irrigated (Acre)	Area irrigated during 2007/08 agriculture year (Acre)
	(1)	*(2)*	*(3)*	*(4)*
6.5.2				

Means of obtaining water(C0l2)
Flwoing. (gravity)……1
Using a bucket……2
Water pump (using hand or leg)……3
Electric /fuel driven pump/ mafuta……4
Other (Specify)……8

Definitions and working page for page 11

Q 6.6

The type of erosion contro/Water harvesting (Col 1)
Terraces: Structures constructed on mountain slopes to provide flat terrain for crop planting.

Erosion control bunds: these are bunks of earth/stones built perpendicular to the slope to slow dowm the speed of water and thus preventing soil erosion. Its differs from terraces in that the soils on these banks are not at ground level **.**

Gabions: A box like structure made of wire and filled with large stones to prevent gully errosion.

Sand bags: Are used in controlling and preventing gully errosion
Tree belt/wind breaks: Trees planted against the wind direction for breaking wind speed..

Section 7.0 Acces to credit for crop or livestock production
Credit refers to something provided in cash or in kind (such as farm inputs, machines, livestock and other things) for crop or livestock production. The value of the credit must be repaid back to the lender. An Interest may or may not be attached to the value of the credit
The credit may be repaid either in cash or through farm produce to be harvested **.**

In this question the enumerator is at liberty to inquire up to three sources of credit where the farmer accessed credit from more than one source.

Section 8.0 Agricultural Extension Services
Agricultural Extension Services: Refers to educational services provided to farmers by exetsion officers for the purposes of increasing crop and livestock production.

Share-cropping: Refers to farming where smallholder / Smallscale farmer enters into an agreement with large scale farmer where the former sells produce to the latter in exchange of provisions of farm inputs and the like. .

Contract farming Farming: Farming agreement entered between smallscale and large scale farmerswith regards to markets of farm produce and provision of farm inputs

Q 6.6 Number of water harvestin structures and year of construction

1. The number water haversting structures refers to the number of wokring / maintained structures and does not include derelict or iireparable structures.

2. Year of construction refers to the year in which the structures were built, and not the year the structures were last repaired.The year should be written in figures e.g. 1998, 2006.

Section 7.0 Source of agriculture credit
If tghe farmer obtained credit from more than one source the use the code from the list provided. Start with the main source of credit in Section **"7.1.1"**.**a**

Section 8.0 Agricultural extension services

1. Ask if the household did receive agricultural extension services during 2007/08 agricultural season from the respondents listed in collumn 1, then enter column 2.

2. Complete all columns for every extension officer**.**

6.6 SOIL EROSION Identification

6.6.1 Did the household experience soil erosion during 2007/08 agriculture year? *(Yes=1,No=2)*

6.6.2 Did the household applied any methods for erosion contro/water harvesting during 2007/08 agricultural year? (Yes=1, No =2) (If the answer is No, Proceed to Section *7.0)*

Na.	Mechanisms of controlling erosion/ Water harvesting	Number of water harvesting	Year of construction
	(1)	*(2)*	*(3)*
6.6.3	Terraces		
6.6.4	Bunks for erosion control		
6.6.5	Gabions/sand bags		
6.6.6	Vetiva leaves		

	Type of erosion control/water harvesting	Number of water harvesting	Year of construction
	(1)	*(2)*	*(3)*
6.6.7	Tree belt		
6.6.8	Soil bunks of water harvesting		
6.6.9	Trenches		
6.6.10	Other		

7.0 ACCESS TO ON FARM CREDITS

7.1 Is there any household member who accessed on farm credit during 2007/08 agriculture year? Yes=1, No=2 (If answer is NO, Proceed to Section *7.2)*

SELECT UP TO THREE SOURCES AND PROCEED TO QUESTIONA 8.0

(Source of credit Q 7.1.1, 7.1.2, 7.1.3)
Relative..... 1 Saccos....4 NGO/Development projectsi.....7
Bank... .....2 Busineman/Shop.....5
Cooperative Union.....3 Privaite individuaks.....6 Other.....9

Source of credit	**7.1.1a**	**7.1.2a**	**7.1.3a**
Credit provided to (Male=1, Female=2)	**7.1.1b**	**7.1.2b**	**7.1.3b**

7.2 IF THE ANSWER TO QUESTION 7.1 IS NO

Give reasons for not accessing credit

Reasons for not accessing credit (Q 7.2)COL
Not required .....1 Did not to be indebted.....3 Did nott know how to access credit.....5 Credit delayed.....7 Did not credit existed.....9
Not available .....2 High interest rates.....4 Bureaucracy.....6 Other (Specify).....8

8.0 ADVISORY SERVICES IN AGRICULTURE

8.1 Did the household participate in outgrowers scheme during 2007/08 agriculture year? (Yes=1, No=2)

8.2 Did the household participate in the contract farming during 2007/08 agriculture year? (Yes=1, No=2)

8.3 Did your household receive agricultural advise on the following : *(IF THE ANSWER IS NO IN COL 2 PROCEED TO THE FOLLOWING QUESTION*

Na.	Advise on agriculture	Rceived advice (Yes=1, No=2)	Source of advise
	(1)	(2)	(3)
8.3.1	Spacing		
8.3.2	Use of agrochemicals		
8.3.3	Soil erosion control		
8.3.4	Use of organic manure		
8.3.5	Matumizi ya mbolea za viwandani		
8.3.6	Use of improved seeds		
8.3.7	Use of modern farm implements		
8.3.8	Irrigation		
8.3.9	Crop Storage		
8.3.10	Pest control		
8.3.11	Other (Specify)		

Source of agricultural advice (Cokl. 3)
Government.....1 NGO/Development project.....2 Cooperative....3 Large Scale farmer....4 Ratdio/Newspapers....5 Neighbour .....6 Other source.....8

Definitions and working page for page 12

Q 9.1 and 9.3 : What is required is to establish whether or not the household kept or raised the listed livetsock during 2007/08 agricultural season (i.e. from October 2007 to September 2008). Also to establish the number of livestock as of 1st October 2008

Keeping or raising livestock is to to keep livestock at home while providing the livestock with animal feeds and medication and other services. The livestock could be owned by the farmer or kept on behalf of relatives or neighbours .

Sections 9.1.1 to 9.1.7 Cattle

Note:
Q 9.1 is for the actual number of cattle owned or kept by the household (as of 1st October 2008). This number does not include herds of cattle kept on behalf by relatives or neighbours; that is, the cattle outside the residential area of the household under survey.
1. If the the household keep mature fecund female cattle, it is expected that such a household will have calves which will be entered in question 9.1.6 or 9.1.7

Type of cattle (sectioin 9.1.1 to 9.1.7)

Bull: Mature uncastrated made cattle used for breeding
Cow: Mature female cattle that has given birth at least once

Ox: Castrated made cattle used for farm work

Steer: Castrated made cattle used for meat

Heifer: Female cattle of 1 year up to the first calving

Section 9.3 Goat
Note:
Question 9.3 is for the actual number of owned or raised by the household (as of 1st October 2008) This number does not include goats kept on behalf by relatives or neighbours, that is the goat outside the residential area of the household under survey.

1. If the household has she goats, you would normally expect them to have kids

Type of Goat (Qs 9.3.1 to 9.3.5)

Billy Goat (he-goat): Mature Uncastrated male goat used for breeding
Castrated goat: Male goat that has been castrated
She Goat: Mature female goat over 9 months of age

9.0 LIVESTOCK (LIVESTOCK AND FISH) Identification

9.1 CATTLE

Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.3)

Number of cattle as of 1.10.2008

No.	Type of cattle	Number of indigenous cattle	Number of improved cattle		Total
			for meat	Dairy	
		(2)	(3)	(4)	(5)
9.1.1	Castrated bulls				
9.1.2	uncastrated bulls				
9.1.3	Cows				
9.1.4	Steers				
9.1.5	Heifer				
9.1.6	Male calves				
9.1.7	Female calves				
				Grand total	

9.1.8 What main methods do you use to identify your cattle?

Cattle idenfificatio methods
Iron stamp (chapa moto).....1 Throat....2 Ear/tail cutting.....3
Colour.....4 Earings...5 Other 8

9.2 Milk production: CATTLE

Na.	Season	Type of cattle	Number of milked cows	Average of milk per cow per day (litre)	Average number of days which your cows were milked	Average price per litre per season
	(1)	(2)	(3)	(4)	(5)	(6)
9.2.1	Rainy	Improved				
9.2.2		Indigenous				
9.2.3	Dry	Improved				
9.2.4		Indigenous				

9.3 GOAT

Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.3)

Number of goats as of 1.10.2008

Na.	Tyep of goat	Number of indigenous goat	Number of improved		Total
			for meat	Dairy	
	(1)	(2)	(3)	(4)	(5)
9.3.1	Male uncastrated goat				
9.3.2	Male castrated goat				
9.3.3	She goat				
9.3.4	Male kid				
9.3.5	She kid				
				Grand total	

Milk Production: GOAT

Na.	Season	Number of ilked goats	Average of milk per goat per day (litre)	Average number of days which your she goats were milked	Average price per litre per season
	(1)	(2)	(3)	(4)	(5)
9.3.6	Rainy				
9.3.7	Dry				

Definitions and working page for page 13

Q 9.1 and 9.3 : What is required is to establish whether or not the household kept or raised the listed livetsock during 2007/08 agricultural season (i.e. from October 2007 to September 2008). Also to establish the number of livestock as of 1st October 2008

Keeping or raising livestock is to to keep livestock at home while providing the livestock with animal feeds and medication and other services. The livestock could be owned by the farmer or kept on behalf of relatives or neighbours .

Sections 9.4 Sheep

Note:
Q 9.4 is for the actual number of sheep owned or kept by the household (as of 1st October 2008). This number does not include sheep kept on behalf by relatives or neighbours; that is, the sheep outside the residential area of the household under survey.

1. If the the household keep ewes, it is expected that such a household will have calves which will be entered in question 9.1.6 or 9.1.7

Type of Sheepe (Sectioin 9.4.1 to 9.4.5)

Ram: Mature Uncastrated male sheept used for breeding

Castrated sheep: Male sheep that has been castrated

Ewe: Mature female sheep over 9 months of age

Lamb: Young sheep under 9 months of age.

Section 9.5 Pigs
Note:
Question 9.3 is for the actual number of pigs owned or raised by the household (as of 1st October 2008). This number does not include pigs kept on behalf by relatives or neighbours, that is the cattle outside the residential area of the household under survey. .

1. If the household has she goats, you would normally expect them to have kids in column

Type of Pigs (Qs 9.5.1 to 9.5.5)

Boar: Mature Uncastrated male pig used for breeing
Sow: Mature female pig that has given birth to at least one ltter of pigs.
Gilt; Female pig of over 3 months up to the first farrowing
Piglet: Young pig less than 3 months of age

Identification

9.4 SHEEP

Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No 2 (If the answer is No proceed to Section 9.5)

Number of sheep as of 1.10.2008

Na.	Type of sheep	Number of indigenous sheep	Number of improved	Total
	(1)	(2)	(3)	(5)
9.4.1	Ram			
9.4.2	Castrated sheep			
9.4.3	She sheep			
9.4.4	Male lamb			
9.4.5	Female lamb			
	Grand total			

9.5 PIGS

Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.6)

Number of pigsp as of 1.10.2008

Na.	Type Pigs	Number of pigs
	(1)	(2)
9.5.1	Boar	
9.5.2	Castrated male	
9.5.3	Sow/Gilt	
9.5.4	Male piglet	
9.5.5	Female piglet	
	Grand total	

9.6 OTHER LIVESTOCK

	Type of animal	Number as of 1 October 2008	Number of eggs 2007/08 agriculture year
	(1)	(2)	(3)
9.6.1	Local chicken		
9.6.2	Layers		
9.6.3	Broilers		
9.6.4	Ducks		
9.6.5	Guinea pigs		

	Type of animal	Number as of 1 October 2008	Number of Eggs 2007/08 agriculture year
	1	(2)	(3)
9.6.6	Turkeys		
9.6.7	Rabbit		
9.6.8	Donkeys		
9.6.9	Horses		
9.6.10	Dogs		

Definitions and working page for page 14

Control of livestock dieases causing bugs

Livestock worm control medicine: Medicine used to kill or control livestock on livestock . It is often used for cattle, goats, sheep and pigs.

Tiick: Is a dangerous bug that sucks blood form livestock and transmits animals diseases from one to the other animal.

Tse tse fly: A fly like bug that sucks blood from livetsock and transmits diseases sleewping sickness from one to the other animal.

Livestock advice (Section 9.8)
IA service provided by extension officers to livestock keepers for increasing livestock production.

9.7 LIVESTOCK DISEASES AND PEST CONTROL

Identificatio

	Did you livestock during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is No proceed to Section 9.7.5	
9.7.1	Which animals did your deworm? (Yes=1,No =2, Not applicable=3 in the relevant box) Cattle 9.7.2 Goat/Sheep 9.7.3 Pigs 9.7.4 Poutry	
9.7.5	Do you experience tick problem with your livestock? (Yes =1, No = 2, Not applicable 3)	
9.7.6	How did you control tick problem? *Control method (Q. 9.7.6):* Dipping.....1 Spaying.....2 Application of medicine on back bone.....3 None..4 ..... Other.....8	
9.7.7	Do you experience Tse tse problem with your livestock? (Yes =1, No = 2, Not applicable 3)	
9.7.8	How did you control Tse tse problem with your livestock? *Control method (Q. 9.7.8):* Dipping.....1 Spaying.....2 Traps.....3 None..4 ..... Other.....8	
9.7.9 9.7.7	Do you experience Newcastle disease problem with your poutry? (Yes =1, No = 2, Not applicable 3)	
9.7.10	How do you control Newcastle disease problem with your poutry? *Control/Curative methods (Q. 9.7.10)* Vaccination..1 Herbs....2 None..3	
9.7.11	Did you experience Fowl Typhoid with your poutry?Yes=1, No=2 , Not applicanblei=3	
9.7.12	How did you cotrol/ cure Fowl Typhoid with your poutry? *Contro/curative methods(Swali 9.7.12* Vaccination..1 Herbs....2 Noe.3	
9.7.13	Were your cattle vaccinated agaionst the following diseases? (Yes = 1, No = 2, Not applicable=3). **9.7.13 A:** Foot and Mouth diseases **9.7.13B:** Skin disease	

NOTE : If answers to Qs *9.1 to 9.6 is No (THAIS THE HOUSEHOUSE DOES NOT RAISE LIVESTOCK,) Proceed to q 9.9*

9.8 Extenmsion services on livestock

Did you receive the following extension advice on the followingJe? *(IF THE ANSWER IS NO IN COL 2 PROCEED TO THE FOLLOWING QUESTION*

Na.	**Livestock extension advice**	Received Extension advice (Yes=1, No=2)	Soure of Extension
	(1)	(2)	(3)
9.8.1	Feed and better feeding methods		
9.8.2	Improved livestock shed (Goat, Dairy cattle, Poutry and pigs)		
9.8.3	Milking and hygiene		
9.8.4	Cattle fattening		
9.8.5	Livetsock diseases control		
9.8.6	Livestock keeping in line with land availability		
9.8.7	Pasture establsihment and maintanence		
9.8.8	Forming and strengthening groups/cooperatives		
9.8.9	Calf rearing		
9.8.10	Basics of production and use of improved bulls (AI)		
9.8.11	Animals feed production		
9.8.12	Other extension advice (Specify) ……		

Source of agriculture extesnion(S/wima 3)
SGovernment.....1 NGO/Development project.....2 Cooperative Union....3 Large Scale farmer....4 Radio/TV/Newspapere.5 Neighbour.....6 Other source 8

Definitions and working page for page 15

General definitions

Fish farming: Refers to the rearing/production of fish. It is different from fishing in that in fish farming the fish have to be reared. While in fishing, fishing nets or traps are used to catch fish from rivers, lakes and the sea; thus fishing should not be included in this section

I

Question Specific Definitions (Q 9.9)

Production unit number (Col 1): A production unit is a pond river/lake which is treated as a separate entity for the production of fish eg it may be by virtue of manageable size, maturity of fish, tye of fish etc. eg. a farmer may have 3 fish ponds (each one is a separate production unit).

Frequency of stocking (Col . 5): What is the number of time the farmer puts new fingerlings into the pond each year.

Fingerlings: These are young immature fish used for stocking ponds.

Sols: (Col 10 & 11)

If no fish were sold enter "0" in column 10 and 11`

Fish sold (Col.12)

Kama hakuna samaki waliouzwa jaza "0" katika safuwima 12

Working space for page 15

9.9 FISH FARMING Identification

Did your household practice fish farming? Yes=1, No=2 (*If the answer is no proceed to section 9.10)*

Give details on the fish farming during 2007/08 agriculture year

No.	Number of Ponds	Aina ya ufugaji	Square area of pond (m^2)	Source of fingerings	What is the frequency of stocking during the period?	Kiwango cha Huduma ya bwawa	Total number of stoked fish: Tialpia	Mwatiko	Crabs	Lulu	Total number of fish harvested	Total weight of all fish: waliovuliwa (kg)	waliouzwa (kg)	What is the main fish outlet?
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
9.9.1	1													
9.9.2	2													
9.9.3	3													

Type of farming (SCol 2)
Natural pond……..1
Small earth pond…….2
Large pond……..3
Other ……..8

Standard of servives to the pond (Col6)
High leve ……..1
Intermediate level……2
Low leve……3
Don't know……..8

Source of fingerings(Col 4)
From the pond……..1 Neighbour…….4
Government……..2 Business man…..5
NGO/Development Project…3 Natural Pond……..6
Other ……..8

mainly sold to? (Col 14)
Neighbour…1 Auction……..3 Large Scale farmers……..5
Open market….2 Fish processing industry..4 Private business people ….6
Did not sell…….7 Other ……..8

9.10 HONEY PRODUCTION

Is there honey production/harvesting in your household? Yes=1, No=2 (If answer is no PROCEED to Section 9.11)

Give details on honery harvesting during 2007/08 agriculture year

Number	Type of honey	Harvesting done ? (Yes=1, No=2)	Number of improved bee hives	Number of local bee hives	Amount sold per year (Litre)	Amount of honey sold (litre)	Price per litre	Main market)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9.10.1	Small bees							
9.10.2	Large bees							

Honey outlet Co 8
Neighbour…1 Auction……..3
Large Scale farmers……..5
Open market….2 Fish processing industry..4
Private business people ….6
Did not sell…….7

9.11 AGRICULURAL CHALLENGES

From the list of cahhalengs in farming on the right of the page, SELECT FIVE MAIN CHALLENGES WHICH constrain your development in agriculture

No	With first five priorities	Code
	(1)	(2)
9.11.1	Priority 1	
9.11.2	Priority 2	
9.11.3	Priority 3	

No	Important for	Code
	(1)	(2)
9.11.4	Priority 4	
9.11.5	Prioty 5	

LIST OF CHALLENGES

01 Land availability
02 Land owenership
03 Poor farm implementso
04 Soil fertility
05 Availability of imrpoved seeds
06 Irrigation services
07 Availability of agrochemicals
08 Cists of farm inputs
09 Extension services
10 Availability of forest resources
11 Huntinf and collection problems
12 Water availability
13 Access to credits
14 Lack of off farm incomes
15 Harvesting problems
16 Kupukuchua
17 Crop stiorage
18 Crop processing
19 Market information
20 High transporation costs
21 Destructive animals
22 Crop thefty
23 Pests and diseases
24 Advice from Local government
25 Long dry spells
26 Conflicts between livetsock keepera and pastoralists

Definitions and working page for page 16

10.0 Household poverty indicators

Number of rooms used for sleeping in the household (Q 10.1.4)
Include sitting room, during room, kitchen, etc if used for sleeping.

It also includes rooms outside the main dwelling

A room is defined as a space which is separate from the rest of the building by a permanent wall or division. A building / house that is not divided into rooms is considered to have one room.

Household assets (Q 10.2):
There assets must be functionin. Do not include if broken.

Access to drinking water (Q 10.4):
If there is more than one source use the one, which the hh uses most frequently.

Main source of hh cash income:(Q 10.7:
Activity that provides the hh with the most can during 2007/08 agricultural season.

10.0 POVERTY INDICATORS

Idetification

10.1 HOUSE CONSTRUCTION

Specify materials used in the construction of the following
sehemu zifuatazo

10.1.1 Roof **10.1.2** Floor **10.1.3 Wall**

Roofing materials
Iron sheets……..1
Tiles……..2
Concrete……3
Asbestos ….4
GrassiMakuti……..5
Grass and mud….6
Other …….. .8

Floor matrials
Earthen material……..1
Wood……..2
Wooden tiles…3
Tiles……..4
Cement……5
Other……..8

Main materials
Grass and pieces of woods……..1 Mud……..2
Wet bricks……3 Burnt bricks…4
Wood……..5 Block bricks……6
Stonese ……..7 Bricks /Mawe ya kichanga……..8

10.1.4 Number of bedrooms

10.2 Household property

Does your houshold woen the following?, (Yeso=1 No =2)

Number	Property	Yes=1, No=2
	(1)	(2)
10.2.1	Radio (Radio, Radio Casette, music system)	
10.2.2	Land line	
10.2.3	Celkl phone	
10.2.4	Iron	
10.2.5	Trolley	
10.2.6	Bycicle	
10.2.7	Vehicle	
10.2.8	TV/ Video	
10.2.9	Refrigerator	
10.2.10	Motorbike/vespa	

10.3 Energy use and availability in the hsousehold

Main source of energy

10.3.1 Lightning 10.3.2 Cooking

Nishati za Kuangazia
Umeme……..01
Sola……..02
Gesi (biogas) ……03
Taa ya kandili……04
Karabai……05
Kibatari……06
Mishumaa……07
kuni……08
Nyingine …….. 98

Nishati za kupikia
Umeme……..01
Sola……..02
Gesi (biogas) ……03
Gesi (Kiwandani)…..04
Mafuta ya taa……05
Mkaa……06
Kuni ……07
Mabaki ya Mazao….08
Kinyesi cha
Wanyama……09
Nyingine ……98

10.4 Availability of drinking water

	Season	Main source of water	Distance from source (km)	Time spent waitingor going to and from the source (Hours)
	(1)	(2)	(3)	(4)
10.4.1	Rainy		.	.
10.4.2	Dry period		.	.

Main sourece of drinking water
Col. 2
Tape water……..01 Water venders……..09
Arificial well……..02 Boozer……10
Arificial spring… ……..03 Bottled water……..11
Openwell……..04 Other (Specify)……..98
Natural spring……..05
Lake water,piond,river,stream n etc……..06
Covered Rain water harvesting well..07

Note: *Code01,* ***Bomba*** *kwa Zanzibar hujulikana kama Mfereji*

10.5 Toilet facilities

10.5.1 What type of toilet does your hosuehold use?

Tyep of toilet
No toilet/in the buish……1 Pit latrine.….4
Flash toilet……..2 Other type (Specify)……..8
Ordinal pit latrine……3

10.6 Eating patterns

10.6.1	**How many meals does your hosue usually get per day** ?	
10.6.2	How days did the household eat meat last week?	
10.6.3	How days did the household eat fish last week?	
10.6.4	How many times did the household experience food shortages last year?	

Food shortage problems
(Swali 10.6.4)
Never ……..1
Few times……..2
Sometimes……..3
Many times……4
Often……..5

10.7 Main source of household cash income?

10.7.1 What are the sources of household income?

Code for source of income
Selling food crops……..01 Sales of foerst products..05 Cash assisnatce…09
Sales of livestock……..02 Business……..06 Fishingi……..10
Sales of livestock products……03 Salaries……..07 Other……..98
Sales of cash crops…04 Casual labour……..08 None……..99

TIME OF FINISHING THE INTERVIEW Hour Minutes

Average/maximum yields per area

Use this table to compare the yields calculated in Sections 5.1, 5.2 and 5.3.

These stats are strictly to be used used as a guide for the purpose of assisting to get the correct area and yields for each crop.

	Name of Crop	Kilogram/ha		Kilogram/acre				Name of Crop	Kilogram/ha		Kilogram/acre	
		Average	Max	Average	Max				Average	Max	Average	Max
11	Maize	1,150	6,250	466	2,530		86	Cabbage	20,000	50,000	8,097	20,243
12	Paddy	700	4,000	283	1,619		87	Tomatoes	25,000	60,000	10,121	24,291
13	Sorghum	750	3,500	304	1,417		88	Spinach	15,000	17,000	6,073	6,883
14	Bulrush Millet	350	3,000	142	1,215		89	Carrot	25,000	30,000	10,121	12,146
15	Funger Millet	300	2,500	121	1,012		90	Pepper	3,500		1,417	0
16	Wheat	1,150	4,500	466	1,822		91	Amaranthus	20,000	40,000	8,097	16,194
17	Barley	1,400	1,800	567	729		92	Pumpkin	35,000	40,000	14,170	16,194
16	Cassava	3,000	7,000	1,215	2,834		93	Cucumber	5,000	10,000	2,024	4,049
17	Sweet potatoes	600	8,000	243	3,239		94	Egg plant	30,000	60,000	12,146	24,291
18	Irish potatoes	750	8,500	304	3,441		95	Water melon	10,000	20,000	4,049	8,097
19	Yams	4,000	10,000	466	1,822		96	Caouliflower	17,000	20,000	8,097	16,194
25	Coco yams	2,500	5,000	567	729		52	Cotton	800	25,000	14,170	16,194
26	Onions	30,000	50,000	1,215	2,834		54	Coffee	500	100	2,024	4,049
27	Ginger	20,000	30,000	243	3,239		55	Tea	2,500	10,000	12,146	24,291
31	Mahara Beans	400	1,300	304	3,441		56	Cocoa	150	1,000	4,049	8,097
32	Cow peas	300	1,750	121	709		57	Rubber	400	1,400	6,883	8,097
33	Green gram	1,500	1,800	1,012	2,024		58	Wattle			324	10,121
34	Pigeon peas	600	1,500	243	607		59	Kapok			0	0
35	Chick peas	500	1,500	202	607		60	Sugar cane	60,000	150,000	24,291	60,729
36	Bambara nuts	600	4,000	243	1,619		61	Cardamon	3,000		1,215	0
41	Sun flower	600	1,700	243	688		71	Banana	10,000	50,000	4,049	20,243
42	Simsim	300	1,000	121	405		72	Avocado			0	0
43	Gound nuts	600	4,000	243	1,619		73	Mango	10,000	25,000	4,049	10,121
47	Soyabeans	1,300	2,500	526	1,012		74	Pawpaw	50,000	70,000	20,243	28,340
48	Caster seeds	300	750	121	304		76	Orrage	15,000	40,000	6,073	16,194
75	Pineapple	25,000	60,000	10,121	24,291		77	Grape fruit	30,000	50,000	12,146	20,243
50	Cotton	300	1,500	121	607		78	Grapes	5,000	30,000	2,024	12,146
51	Tobacco	500	1,500	202	607		79	Mandarin	15,000	40,000	6,073	16,194
53	Pyrethrum			0	0		80	Quava	7,000	35,000	2,834	14,170
62	Jute	800	3,500	324	1,417		81	Plums			0	0
44	Palm oil	1,150	5,000	466	2,024		82	Tufaha		20,000	0	8,097
45	Cononut	1,500	8,000	607	3,239		83	Pea	15,000	27,000	6,073	10,931
46	Cashw nut	9	60/tree	4	24		84	Pitches	14,000	57,000	5,668	23,077
							66	Clove	4,500	5,000	1,772	1,969
								Black pepper	2,000	3,750		
								Mung'unye				
								Ocra	1,000	1,500		

Appendix V

Community Level Questionnaire

United Republic of Tanzania

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Village/Community Level Formats

Access to and Use of Community Resources

Farmg Gate Prices of commodoties produced by the village

Agricultural Sample Census 2007/2008

NUMBER OF FARMERS HH IN THE VIALLAGE
To be filled by the enumerator after completeing form ACLF2

NUMBER OF HH MEMBERS
To be filled by the enumerator after completeing form ACLF2

Region	.....			Ward	
District	.....			Village	

Enumerator Name ---------- Signature ----------

Date of Enumeration

d d / m m / y y y y

Start Time

End Time

Hour	Minutes

Field level checking by:

District Supervisor	Name ----------	Signature ----------		Date ___/___/___	
Regional Supervisor	Name ----------	Signature ----------		Date ___/___/___	
National Supervisor	Name ----------	Signature ----------		Date ___/___/___	

I To be filled by the supervisor ONLY after Field/farm level checking of the enumeration process. This should be countersigned by the Supervisor in front of the enumerator

Distric checking in Office

District Supervisor	Name ----------	Signature ----------		Date ___/___/___	

All questionnaires must be checked at the district office.

For Use at Regional Level Only

Data entered by:	Name ----------	Signature ----------		Date ___/___/___	
Queried	Name ----------	Signature ----------		Date ___/___/___	

See the back page for details of queries

Ministry of Agriculturte and Food Security, Ministry of Livestock and Fisheries Development, Ministry of Agriculture and Environment of Zanzibar, Ministry of Water and Irrigation, Prime Ministers' Office Regional Adminstration and Local Government, Ministry of Industry Trade and Marketing, National Bureau of Statistics, and the Office of the Government Statistician General of Revolution Governemnet of Zanzibar

Definitions and working page for page 3

Question Specific Definitions:

Obtain answers to the following questions from the meeting between the enumerator and influencial farmers in the village Infuencial people can be Village Chairman, Village Governement Executive Officer, Councillor, Ward Chairman, Extension Officer in the village or any other person in the village and who is well informed about village matters. It is important to not that these questions must be asked in groups (of more than one people) to obtain answers discussed and approved by many people.

Definitions of some specific terms

Access to community resources. Section 1.0
Community Resources: Resources in which the hh members have no individual claim to and which are shared together by all the village
Community Land: The area officiall demarcated by the village as shared/public land.
Squatting farmers Land: Communal land where individual hhs make sole claim to (for crop farming or fenced livestock) without official rights to ownership.
Available remaining Land: Official area of communal land minus areas of squatting farners.
Givernment Land Reserve: Area set aside by the government as national reserve

Community tree planting scheme(Section 14.3)

Community Forest: A forest planted on the communal land which is planted, replanted or spt planted by the members of the village.

Plant Planting: An area designated by the village for planting a block of trees.

Spot Planted: Replanting an area where selective logging has been carried out. A tree is planted to replace the one that has been cut.

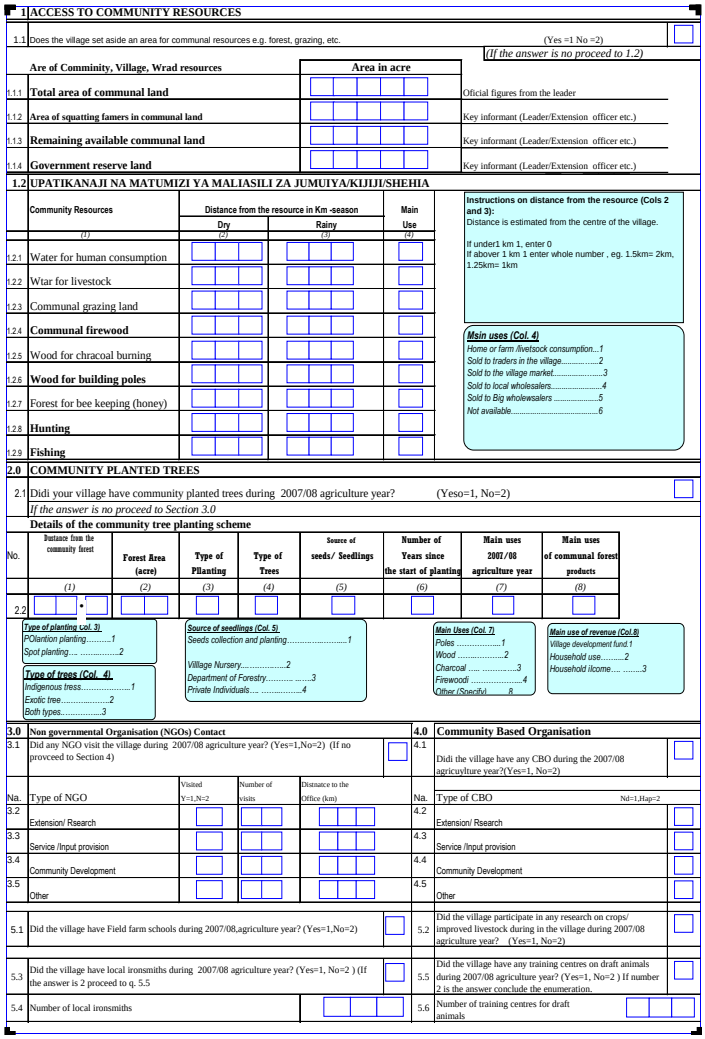
Indigeous Trees: Trees that are native to Tanzania

Exotic Trees: Trees that are not native to Tanzania

Non Government Organisation: Is managed by people from outside the village and it normally covers more than one village/District/Region. Its function is to provide deveoopment assistance to the farmer and is free from direct government links.

Village level organization: is managed by members of the village. Its purpose is normally to access/provide development assistance to the village

ACCESS TO COMMUNAL RESOURCES



1 ACCESS TO COMMUNITY RESOURCES

1.1 Does the village set aside an area for communal resources e.g. forest, grazing, etc. (Yes =1 No =2)

(If the answer is no proceed to 1.2)

	Are of Comminity, Village, Wrad resources	Area in acre	
1.1.1	**Total area of communal land**		Oficial figures from the leader
1.1.2	**Area of squatting famers in communal land**		Key informant (Leader/Extension officer etc.)
1.1.3	**Remaining available communal land**		Key informant (Leader/Extension officer etc.)
1.1.4	**Government reserve land**		Key informant (Leader/Extension officer etc.)

1.2 UPATIKANAJI NA MATUMIZI YA MALIASILI ZA JUMUIYA/KIJIJI/SHEHIA

	Community Resources (1)	Distance from the resource in Km -season Dry (2)	Rainy (3)	Main Use (4)
1.2.1	Water for human consumption			
1.2.2	Wtar for livestock			
1.2.3	Communal grazing land			
1.2.4	**Communal firewood**			
1.2.5	Wood for chracoal burning			
1.2.6	**Wood for building poles**			
1.2.7	Forest for bee keeping (honey)			
1.2.8	**Hunting**			
1.2.9	**Fishing**			

Instructions on distance from the resource (Cols 2 and 3):
Distance is estimated from the centre of the village.

If under1 km 1, enter 0
If abover 1 km 1 enter whole number , eg. 1.5km= 2km, 1.25km= 1km

Msin uses (Col. 4)
Home or farm /livetsock consumption...1
Sold to traders in the village.....2
Sold to the village market.....3
Sold to local wholesalers.....4
Sold to Big wholewsalers 5
Not available.....6

2.0 COMMUNITY PLANTED TREES

2.1 Didi your village have community planted trees during 2007/08 agriculture year? (Yeso=1, No=2)

If the answer is no proceed to Section 3.0

Details of the community tree planting scheme

No.	Dustance from the community forest (1)	Forest Area (acre) (2)	Type of Pllanting (3)	Type of Trees (4)	Source of seeds/ Seedlings (5)	Number of Years since the start of planting (6)	Main uses 2007/08 agriculture year (7)	Main uses of communal forest products (8)
2.2	.							

Type of planting col. 3)
POlantion planting.....1
Spot planting.... 2

Type of trees (Col. 4)
Indigenous tress.....1
Exotic tree.....2
Both types.....3

Source of seedlings (Col. 5)
Seeds collection and planting.....1
Villlage Nursery.....2
Department of Forestry..... 3
Private Individuals... 4

Main Uses (Col. 7)
Poles 1
Wood 2
Charcoal 3
Firewoodi 4
Other (Specify) 8

Main use of revenue (Col.8)
Village development fund.1
Household use.....2
Household ilcome.... 3

3.0 Non governmental Organisation (NGOs) Contact

3.1 Did any NGO visit the village during 2007/08 agriculture year? (Yes=1,No=2) (If no provceed to Section 4)

Na.	Type of NGO	Visited Y=1,N=2	Number of visits	Distnatce to the Office (km)
3.2	Extension/ Rsearch			
3.3	Service /Input provision			
3.4	Community Development			
3.5	Other			

5.1 Did the village have Field farm schools during 2007/08,agriculture year? (Yes=1,No=2)

5.3 Did the village have local ironsmiths during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is 2 proceed to q. 5.5

5.4 Number of local ironsmiths

4.0 Community Based Organisation

4.1 Didi the village have any CBO during the 2007/08 agricuylture year?(Yes=1, No=2)

Na.	Type of CBO Nd=1,Hap=2
4.2	Extension/ Rsearch
4.3	Service /Input provision
4.4	Community Development
4.5	Other

5.2 Did the village participate in any research on crops/ improved livestock during in the village during 2007/08 agriculture year? (Yes=1, No=2)

5.5 Did the village have any training centres on draft animals during 2007/08 agriculture year? (Yes=1, No=2) If number 2 is the answer conclude the enumeration.

5.6 Number of training centres for draft animals

Obtain answers to the following questions from the meeting of enumerator and key informants in the village.Key infomants can be a village chairman, Village Local Government Executive Officer, Councellor, Wrad Chairman, Village extsion officer, or any knowledgeble member in the community. Where possible ask these questions to a group inorder to reach a consensus . **The numebr should be below five people.**

Procedure: Administer this frpom after completing asll smallholder questionnaires for the village.
1. Copy the name of all crops from Sections 5.1, 5.2 and 5.3 grown in the village from smallholder questionnaires
This should also include livetsock raised by the household from questions 9.1, 9.3, 9.4 and 9.5 and enter them in col na 1 of this form.
Also see codes for livetsock below.
2. Enter price estimates per kg in col 5 and 6.

Name of crop/livestock	Code of crop/livestock	Name of main crop	Code of Main crop	Type of measure	Price of measure	
					Minimum Per year	Maximamun Per year
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*

Type of livestock(Col 2)
Cattle .....01 Ducks……..07
Goat.....02 Turkey…….08
Sheep.....03 Rabbit……09
Pigs.....04 Kanga……10
Poutry……..05 Simbilisi……..11
Donkeys…….06

Main poroduct- CROPS (sCol.4)
Cereals……..01 Flowers eg. Pyrethrum.....07
Green maize……..02 Vegetables……..08
Green leaves and stem .....03 Fruit……..09
Straw, dry stems etc..04 Other……..10
Roots and tubers, etc.....05
Leaves (Tobacco etc)..... …..06

Main product- LIVESTOCK (Col. 4)
Live animals.....01
Meat 02
Milk.....03
Eggs.....04

***Q*uantity (Col.5)**
Kg……1
Number.....2
Litre……..3
A portion/piece ل.4

Appendix V

Village Community Level formats

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ACLF 1

Page Number…….. out of……

Agriculture Sample Census 2007/08

Sub-village /ward leader listing from

Region _____Code ☐☐ Ward _____Code ☐☐☐

District _____Code ☐ Village _____ Code ☐☐

Sub village leader Number	Name of Ward village leader	Number of Households		Comments
		Form Office Register	After enumeration	
(1)	(2)	(3)	(4)	(5)
☐☐☐		☐☐☐☐	☐☐☐☐	
☐☐☐		☐☐☐☐	☐☐☐☐	
☐☐☐		☐☐☐☐	☐☐☐☐	
☐☐☐		☐☐☐☐	☐☐☐☐	

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ACLF 2

Page Number…….. out of……

Agriculture Sample Census 2007/08

Household listing from-for listing hh heads and agriculture activities

Region _____ Code
District _____ Code
Ward _____ Code
Village _____ Code

Name of sub village leader
Name of sub village_____

Household number	Household head name	Number of										If the Respondent Qualifies X	Farmer Serial Number
		Fields a	Cattle				Goats	Sheep	Pigs	Kuku/Bata/	Rabbit		
			Total	Bulls	Cows	Calves							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)

ACLF 3

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CONFIDENTIAL

Household listing for 15 selected farmers

National Agriculture Sample Census 2007/08

Region _____ Code ☐☐ ward : _____ code ☐☐☐ ☐☐ Namba Sawia ☐☐☐
District _____ Code ☐☐ village _____ code ☐☐ Hatua

S/N	Sub-village leader Number	Name of sub-village leader	Name of selected head of household	Name of Household Head	Number of					
					Field	Cattle	Goat	Sheep	Pigs	Poutry
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)