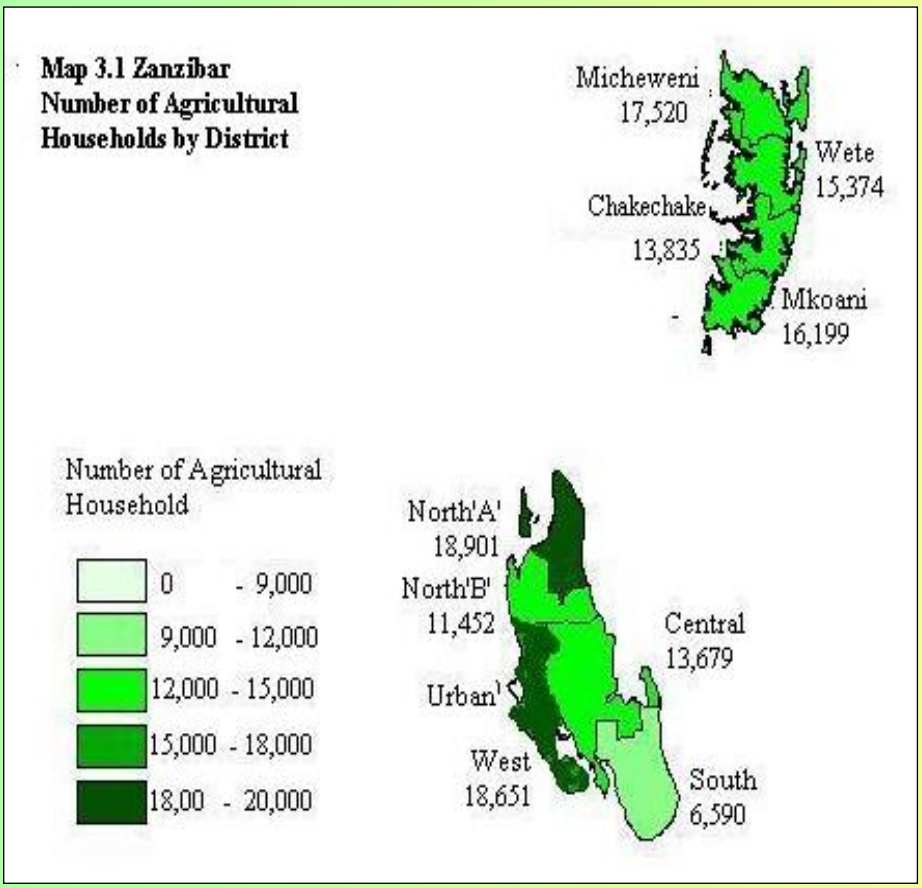
The Revolutionary Government of Zanzibar

NATIONAL SAMPLE CENSUS OF AGRICULTURE 2007/2008

VOLUME VII: CROP SECTOR -ZANZIBAR REPORT



Executed jointly by the Office of the Chief Government Statistician, National Bureau of Statistics, Ministries of Agriculture and Natural Resources and Livestock and Fishery in Zanzibar.

January, 2012

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ABBREVIATIONS

ASDP	Agricultural Sector Development Project
CSPro	Census and Survey Processing Program
DFID	Department For International Development
DIAS	District Integrated Agricultural Survey
DS	District Supervisor
EAs	Enumeration Areas
EU	European Union
GDP	Gross Domestic Product
Ha	Hectares
IAS	Integrated Agricultural Survey
ICR	Intelligent Character Recognition
IEC	Information, Education and Communication
JICA	Japanese International Cooperation Agency
LRHH	Livestock raising households
MALE	Ministry of Agriculture, Livestock and Environment
MCM	Ministry of Co-operatives and Marketing
MWLD	Ministry of Water and Livestock 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
PORALG	President's Office, Regional Administration and Local Government
PPS	Probability Proportional to Size
PSU	Primary Sampling Unit
RAAS	Rapid Appraisal Agricultural Survey
RSM	Regional Statistical Manager
SPSS	Statistical Package for Social Science
TOT	Training of Trainers
UNDP	United Nations Development Programme
UNFAO	United Nations Food and Agriculture Organization
VPO	Vice President Office

PREFACE

At the end of the 2007/08 Agricultural Year, the Office of the Chief Government Statistician, (OCGS) in collaboration with National Bureau of Statistics (NBS) and Ministries of Agriculture and Natural Resources; Livestock and Fisheries conducted the 2007/08 Agricultural Sample Census. This is the second Sample Census of Agriculture to be carried out in Zanzibar, the first one was conducted in 2002/03 Agricultural year

It is considered that this census is one of the largest to be carried out in Africa and indeed in many other countries of the world. 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 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 regional data disaggregated to district levels. It was very difficult to discuss all variables collected in a single report hence the analysis was based on the most important smallholder variables. The rest of the variables are found in the attached annex of table of results. The analysis in the report includes trend analysis using data from the previous censuses and surveys, particularly the 2002/03.

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 Zanzibar, I wish to express my appreciation for the financial support provided by the development partners, in particular, the Department for International Development (DFID) the European Union as well as DFID, UNDP, the Japanese Government through the Japan International Cooperation Agency (JICAand others who contributed through the pool fund mechanism.

Finally, my appreciation 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 Agricultural and Environmental Statistics

Section of the Office of Chief Government Statistician (OCGS), Agricultural Statistics Department of the National Bureau of Statistics (NBS), Ministry of Agriculture and Natural Resources, Ministry of Livestock and Fishery Zanzibar. Other are Ministry of Food Security and Cooperatives, Ministry of Livestock Development and Fisheries, Ministry of Water and Irrigation, the Prime Minister's Office, Regional Administration and Local Government, Ministry of Industries, Trade and Marketing in Tanzania Mainland and the Food and Agriculture Organization of the United Nations and the Censuses and Surveys Technical Working Group (CSTWG).

Additionally, I would like to extend my sincere gratitude to all professional staff of the Office of the Chief Government Statistician and National Bureau of Statistics, Mainland, the sector Ministries of Agriculture and Natural Resources the Consultants as well as Regional and District Supervisors and field enumerators for their commendable work. Certainly, without their dedication, the census would not have been such a success.

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EXECUTIVE SUMMARY

Agriculture is an important economic sector of the Zanzibar economy in terms of food production, employment generation, production of raw materials for industry, and generation of foreign exchange earnings. The Agricultural Sector produces about 30.8 percent of GDP (Economic Survey, 2009) and the contribution of crops were estimated to be 20.8 percent.

In 2007, the Government of Tanzania launched the Agriculture Sample Census as an important part of the Poverty Monitoring Master plan which supports the production of statistics for advocacy of effective public policy, including poverty reduction, access to services, gender, as well as the standard production data normally collected in an agriculture census.

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, district, and national levels, rural development agencies, funding institutions, researchers, NGOs, farmers organizations, etc. This report provides detailed description of the state of the livestock sub-sector in Zanzibar for the agriculture year 2007-2008 based mainly on smallholder farms.

Permanent crops occupied an area of 78,494 ha, which is higher than 32,120 recorded in 2002/03 but in terms of proportion it has remained the same at 42%. The largest area (47,991 ha, 61%) was grown to other crops followed by banana (14,011 ha; 18%), and coconut (8058 ha; 10%) The three leading districts both in terms of percent of area planted and average planted area per household with permanent crops were Mkoani (14%, 0.69 ha); Wete (14.4%, 0.78 ha), and Central (14%, 0.91 ha).

Mkoani (3,312 ha, 21%), Chakechake (2,342 ha, 15%), and Central (2,186 ha, 14%) were the three districts with the highest percent of the total area planted with banana as well as average planted area per household planted with the crop. Central district recorded the highest percent (19 %) of the total area planted with coconuts followed by North ‘B’ (17%) and West and Wete districts each(16%).

Wete and Mkoani district respectively accounted for 26% and 22% of the total area planted with cloves.. Central district accounted for almost over a third (37%) of the area planted with mangoes. About 50 percent (48 5%) of the area planted with oranges was recorded in Central district. Central district accounted for 51 percent of the total area planted with sugar cane followed by Micheweni (18 %).

Overall, irrigated farming is quite limited with only 5% (2,777 ha) of the land under irrigation while 95 (49,681 ha) of the land is not. The three leading districts with the highest percent of irrigated land were West (927 ha, 33%) closely followed by Central (757 ha, 27%), and North 'B' (348 ha, 13%). West District had the largest number (3203, 36%) of households practising irrigation, followed by Central and North 'B' district with 2,249(25%) and 1,069(12%) respectively.

Cereals (33,704ha, 64%%) represented the largest area planted with crops followed by roots and tubers (11,899 ha, 23%), fruit and vegetables (3,946 ha, 8%). Specifically, the three leading crops with the largest area planted with irrigation were paddy (386 ha, 30%), tomatoes (235 ha, 38%) and egg plant (141 ha, 41%) in short rainy season.

A total of 5,482 households practised irrigation out of which 1,774 (32%) used rivers as the main source of water for irrigation followed by canal (1,291 households, 23.5%), and dam (645 households, 11.8%).

Generally, the importance of source of water for irrigation varied greatly between districts. Thus rivers, for example, were important source of water for irrigation in West, Micheweni, and Mkoani districts. Wells and canals were equally important sources of water in North 'B' district. Canals were important source of irrigation water in South district while dams were the main source of water for Central district.

Also, the importance of dams and to some extent wells was only limited to some districts. Hand bucket was the most common method used to obtain water for irrigation as it accounted for 53% of all households using different methods of obtaining water for irrigation followed by gravity (1,165 households, 24%), and motor pump (934 households, 19%).However, except for West district where gravity was the main method used for obtaining irrigation water, hand bucket remained the most important source of obtaining irrigation water in the other remaining districts.

Access to inputs among farming households was rather limited with only 44 percent (18,397) of the total households that growing crops in short rainy season. The propotion of households that used different inputs in long rainy season were 23,127 representing only 26 percent of the crop growing household in this season. Oganic fertilizer use accounted 41 percent of the total households using different inputs in short rainy season, this followed by use of improved seeds 6,500 households (35%), use of inorganic fertliser 2,899 (16%), the use of fungicides accounted only 508 (3%)

households. . In long rainy season the highest percent of households had access to organic and inorganic fertilizers each accounted 29 percent, followed by those who had access to improved seeds (27%). In contrast, the highest percent of households had no access to improved seeds and this presents 84 and 93 percents of the total households that growing crops for for short and long rainy seasons respectively..

Cereals accounted for the largest are planted with inorganic fertilizer (1,589 ha, 54%), followed by root and tubers (682ha,23%) of which the larger proportion was used for sweet potatoes production, fruits and vegetables (571 ha, 20%), pulses (57 ha, 2%), On the other hand, cash crops and oil nuts were produced without use of inorganic fertilizer.

The total number of households that reported selling crops was 45,013 (48% in Short rainy and 52% in Long rainy seasons). In total the largest number of households reported selling crops was recorded in Central District (8,907 households) followed by North 'A' (7,781 households) and West District (6,468 households). The most important problem faced by households in marketing their crops was low open market price (42,743 households, 35%) followed by crop market being far (4,728 households, 4%), and high transport cost (4,055 households, 3%). On the other hand, marketing problems reported by the lowest proportion of households were cooperative problems (51 households, 0.04%), farmer association problems (133 households, 0.11%), and trade union problems (321 households, 0.26%).

Sale of food crops was the main source of household finances as it was reported by 31 percent (41,491%). The other sources in order of importance were fishing (19,744 households, 15%), wages and salaries (16,720 households, 13%), business income (16,913 households, 13%), and other casual cash earnings (13,082 households, 10%).

About 23,200 (53%) from the total household received extention service reported government as the main source of extension advice followed by neighbour (31%), radio/television/newspaper (27%) large scale farmer (17%), NGO/Development project (11%), and cooperative (6%) The three most adopted technologies by households were spacing (28,927 households, %) presenting 66percent from the total households that received crop extension, this followed by organic fertilizer use (27,718 households, and improved seeds (25,400 households

1.0 BACKGROUND INFORMATION

Agriculture is an important economic sector of the Zanzibar's economy as it provides the main source of food and employment. Moreover, it serves as an important source of raw material for industries and foreign exchange. The agricultural sector prod, produces about 30.7 percent of Gross Domestic Product (GDP) (Economic Survey, 2008). Farmers produce a wide variety of food and cash crops as well as fruits, vegetables and spices.

This report covers the crop sector. The result of this census serves as baseline for future agriculture censuses and surveys. This report is organized in four main sections namely; Introduction, Results, Conclusion and Appendices. The definitions relating to all aspects of this report can be found in the questionnaire

2.0 INTRODUCTION

This part of the report provides an overvew of the National Sample Census of Agriculture (NSCA), carried out in the rural areas of Zanzibar during the 2007/08 agricultural year. It details the background and the rationale for carrying out the NSCA in 2007/08 agricultural year.

2.1 Rationale for Conducting the National Sample Census of Agriculture

The Government of Tanzania has embarked on various plans geared to eradicate poverty by the year 2025 and Zanzibar year 2020. In order to facilitate intervention and monitoring activities of the Poverty Monitoring Master Plan, the government has planned a series of censuses and surveys to assist in policy formulation, planning and to track changes in the wellbeing of the population of Tanzania Mainland and Zanzibar. In this Master Plan, A series of Agriculture Surveys have been planned, the first one was undertaken in 2002/03 agriculture year, the second is planned for the year 2007/08.

Demands for reliable and timely agriculture data have become significantly increasing for monitoring outcomes and progress of the poverty monitoring tools like the Agricultural Sector Development Programme (ASDP) and performance of respective MDAs (ASLMs). Following the decentralization of the Government's administration and planning functions, there has been a pressing need for agriculture and rural development data disaggregated at regional and district level. The provision of district level estimates will provide essential baseline information on the state of agriculture that support decision making by the Local Government Authorities and in the

design of District Agricultural Development and Investment Projects (DADIPs). The increase in investment is an essential element in the national strategy for growth and reduction of poverty.

2.2 Census Objectives

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 and national levels, rural development agencies, funding institutions, researchers, NGOs, farmer organisations, etc. The dataset is both more numerous in its sample and detailed in its scope to meet the user demand.

The census was carried out in order to:

- Identify structural changes if any, in the size of farm household holdings, crop and livestock production, farm input and implement use. It also seeks to determine if there are any improvements in rural infrastructure 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 Natural Resources and others stakeholders
- Obtain data that will be used to address specific issues such as: food security, rural poverty, gender, agro-processing, marketing, service delivery, etc.

2.3 Census Coverage

The census was conducted for both large and small scale farms. This report covers small scale farms in details such as total crop growing households, total planted area during short and long rainy seasons. The overall sample for small holders in 2007/08 Agriculture Sample Census had a total of 317EAs. The data were collected from a sample of 4,755 rural agriculture households.
Data were also collected from 38 Large Scale Farms on a complete enumeration basis.

2.3.1 Census scope

The census covered agriculture households in detail as well as many other aspects of rural development. It was conducted using three different questionnaires:

- Small scale farm questionnaire
- Community level questionnaire
- Large scale farm questionnaire

The small scale farm questionnaire was the main census instrument and it included questions related to crop and livestock production and practices; population demographics; access to services, community resources and infrastructure; and issues on poverty and gender.. The main topics covered were:

- 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 credit
- Access to infrastructure (roads, district and regional headquarters, markets, advisory services, schools, hospitals).
- Crop marketing, storage and agro processing
- Fish farming and beekeeping.
- Investment activities (irrigation structures, water harvesting, erosion control, fencing)
- Off farm income and non agriculture related activities
- Households living conditions (housing, sanitary facilities)
- Poverty Indicators

The community level questionnaire was designed to collect village level data such as access and use of common resources, and seasonal farm gate price. The Large Scale Farm questionnaire was administered to large farms either privately or corporately managed.

2.3.2 Main Activities Undertaken

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 questionnaires 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 and Excel
- Table formatting and charts using Excel, map generation using Arc GIS and Excel
- Report preparation using Word and Excel

2.4 Census Methodology

2.4.1 Census Organisation

The Census was conducted by the Office of the Chief Government Statistician (OCGS) in collaboration with the National Bureau of Statistics (NBS), Ministries of Agriculture and Natural Resources, Fisheries and Livestock.

There was a Planning Group formed by the Director General of NBS and Chief Government Statistician consisted of staff from the Department of Economic Statistics of OCGS, Department of Agriculture Statistics of NBS, , Department of Agriculture of the Ministry of Agriculture and Natural Resources, and Ministry of Livestock and Fisheries. Other members came from the 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 in Tanzania Mainland.. The Planning Group was responsible for all Census operations.

Implementation of census activities at the regional level was overseen by the Regional Statistical Managers of OCGS and the Regional Agriculture Development Officer (RADO) from Ministry of Agriculture and Natural Resources.. At the District level the Census activities were managed by District Agricultural Officer (DADOs). Local Government Officers were fully In addition, there was a national mobile team to supervise census operations.

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

2.4.2 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.

Table 2.1 Census Sample Size

Descprition	Number
Households	4,755
Villages/EAs	317
Districts	9
Regions	5

2.4.3 Sample Design

The Mainland sample consisted of 317 rural enumeration areas spreed over nine districts. These EAs were drawn from the National Master Sample (NMS) developed to rve as a 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 agricultural households 4,755 were covered. Nationwide, all regions and districts were sampled except for Urban district.

A two stage sample was used, the numbers of villages/Enumeration Areas (EAs) were 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 agriculture households in each Village/EA using systematic random sampling. Table2.1 gives the sample size of households, villages/EAs and districts.

2.4.4 Questionnaire Design and Other Census Instruments

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

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

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

- The responses to all questions were 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 patterns 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 provided 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 random sampling of 15 agricultural households were selected.

- A Training Manual which was used by the trainers for the cascade/pyramid training of supervisors and enumerators

Enumerator Instruction Manual which was used as reference material.

2.4.5 Field Pilot-testing

The Questionnaire was pilot-tested in four different locations both in Unguja and Pemba. The villages of Matemwe and Machui for Unguja and Kangagani and Chanjamjawiri in Pemba. The villages were selected due to the geographical nature so that they can represent the other parts of Zanzibar,the areas were coral and plantain. In addition, several data collection methodologies had to be finalized, namely, livestock numbers, mixed cropping, and finalizing skip patterns and documenting consistency checks.

2.4.6 Training of Trainers, Supervisors and Enumerators

During training, cascade/pyramid training techniques were employed to maintain statistical standards. The top level of training was provided to 13 national and regional supervisors were attended the National training of trainers' course in Morogoro organized by by NBS. The idea was to have a uniformity of training on the modality of filling in questionnaire between Mainland and Zanzibar.

The trainers were members of the Planning Group from the Office of the Chief Government Statistician (OCGS), Ministry of Agriculture and Natural Resources and Ministry of Fisheries and Livestock, National Burea of Statistics (NBS) and other sectoral Ministries in Manland... 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 supervisors and enumerators and the best 50 percent of the trainees were selected for the enumeration of the smallholder questionnaire and the community level questionnaire.

2.4.7 Information, Education and Communication (IEC) Campaign

Radios, televisions, newspapers, leaflets, t-shirts and caps were used to create awareness among the public on the Agriculture Sample Census. This helped in sensitizing the public on field level activities in order to increase the response rate. The t-shirts and caps were given to the field staff and village leaders. The village leaders assisted in locating the selected households.

2.4.8 Data Collection

Data collection activities for the 2007/08 Agriculture Sample Census started on 1st June, August 2009 and lasted for three weeks. The interview method was used to collect data during the 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, which was headed by the Project coordinator 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.

District supervision and enumeration were performed 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,. a total of 177 enumerators participated during the listing exercise and enumeration of small holder questionnaire.. Additional five percent of enumerators were kept as reserve in case of drop outs during the enumeration exercise.

2.4.9 Field Supervision and Consistency Checks

Enumerators were trained to probe the respondents until they were satisfied with the response 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 supervisors in the district.

2.4.10 Data processing and analysis

Data processing involved the following processes:

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

2.4.11 Data entry

Scanning and ICR data capture technology was used. This did not only increase the speed of data entry but it also increased the accuracy of the data due to the 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

was used to assess the quality of enumeration and supervision. CSPro was used for data entry of questionnaires that were rejected by ICR extraction application.

CSPro was used for data entry of all Large Scale Farm and community based questionnaires due to the relatively small number of questionnaires. It was also used to enter smallholder questionnaires that were rejected by the ICR extraction application as well as those found unsuitable for scanning during the manual editing exercise.

2.4.12 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. In totality it took 6 months to screen, edit and validate the data from the smallholder questionnaire. After the long process of data cleaning, the tabulations were prepared based on a pre-designed tabulation plan.

2.4.13 Tabulations

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

2.4.14 Analysis and Report Preparation

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

2.4.15 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 field level during the Census year. With very few exceptions, the variables in the questionnaire are

within the norms for Zanzibar and they follow expected time series trends when compared to historical data.

2.5 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).

3. CROP RESULTS

The results presented in this report 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. Crop production is conducted in both during the short and long rainy seasons. However, the long rainy season is the dominant crop production season during which 100,980 households (83% of the total households) were engage in crop production compared to 41,520 households (34%) during the short rainy season. Generally, even though the area under cultivation had decreased, the number of households engaged in crop production during the 2007/08 season were higher (130,353) compared with 96,522 households recorded in 2002/03 period (Table 3.1).

Table 3.1: Number and Percentage of Crop Growing Households in Long and Short Rainy Season by District 2007/08

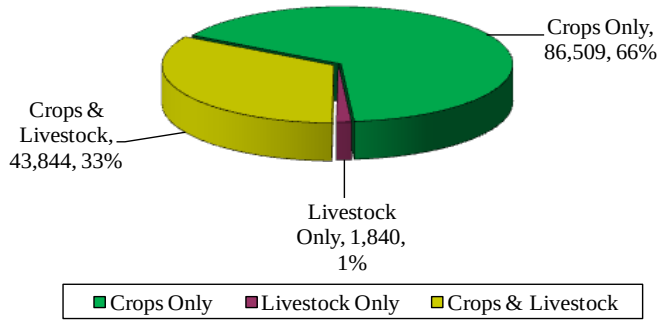
District	Short Rainy Season			Long Rainy Season			Total Crop Growing Households	Total Planted Area (Hectare)
	Number of Household	Percentage	Planted Area (hectare)	Number of Household	Percentage	Area (hectare) Planted		
North 'A'	8,411	45	3,209	12,979	69	5,872	18,775	9,081.1
North 'B'	5,853	51	2,515	7,380	64	3,448	11,300	5,963.1
Central	7,417	54	6,262	13,670	100	6,505	13,588	12,767.1
South	4,192	64	2,388	6,580	100	1,137	6547	3,525.5
West	5,840	31	1,734	7,944	43	2,825	1,7527	4,558.3
Wete	2,076	14	733	13,991	91	6,087	15,298	6,819.3
Mcheweni	4,818	27	1,327	13,549	77	5,263	17,374	6,589.8
Chakechake	1,039	8	336	11,169	81	5,152	13,804	5,488.1
Mkoani	1,874	12	624	13,709	85	5,506	16,146	6,129.2
Total	**41,520**	**34**	**19,127**	**100,980**	**83**	**41,795**	**130,353**	**60,921.5**

The total area planted during the short rainy season was 19,127 ha of which the Central district had the largest planted area (6,262 ha, 32.7%) and Chakechake district had the smallest (336 ha, 1.8%). In this season, other remaining districts, except Wete, and Mkoani, had intermediate planted areas in between the two extremes whereby North "A" had 3,209 ha (16.8%), North "B" had 2,515 ha (13.1%), South had 2,388 ha (12.5%), West had 1,734 ha (9.1%) and Micheweni had 1,327 ha (6.9%). There was a sharp increase in the number of households engaged in crop production during the long rainy season (Table 3.1) whereby Central, Wete, Micheweni and Mkoani districts each had slightly more than 13,000 households engaged in crop production with Central district having the largest planted area (6,505 ha, 15.6%) and South district having the smallest planted area (1,137 ha, 2.7%). Over the two seasons, a total of 142,500 households were engaged in crop production with most of the households in Central and South districts (Table 3.1). A total of 60,921.5 ha were planted with crops with Central district having the largest planted area (12,767 ha, 15.9%).

3.1 Type of Agricultural Households

Crop production was the dominant agricultural activity in Zanzibar engaging 86,509 households (66%) compared to 43,844 households (33%) that were engaged in mixed crops and livestock and 1,840 households (1%) that were engaged in livestock only. Unlike in the Mainland, none of the households in Zanzibar derived their livelihood from pastoralism (Chart 3.1, Map 3.1). Among the districts, south, North 'A" and West districts had the highest concentration of crop growing households per square kilometer while Central district had the lowest concentration (Map 3.2)

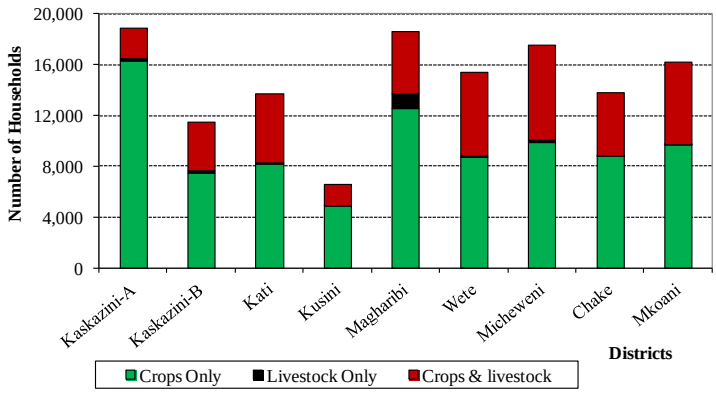
Chart 3.1 Agricultural Households by Type



Crops Only

Crop farming was dominant with 86,509 households (65.4%) compared to 1,840 households (1.4%) which were engaged in livestock keeping alone (Chart 3.2, Maps 3.3 and 3.4). Amongst the districts, North-A had the largest number of households (16,318, 18.9%) engaged in crop production only followed by West district with 12,591 households (14.6%), Micheweni (9,899, 11.4%), Mkoani (9,675, 11.2%), Chakechake (10.2%), Wete (8,712, 10.1%), Central (8,177, 9.5%), North –B (7,457, 8.6%) and South district at the bottom with 4,890 households (5.7%).

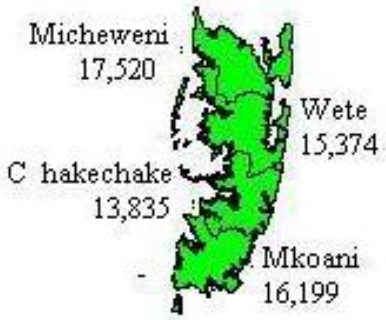
Chart 3.2 Number of Households Growing Crops Only, Crop and Livestock and Livestock Only by District

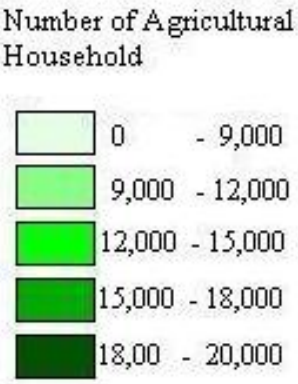


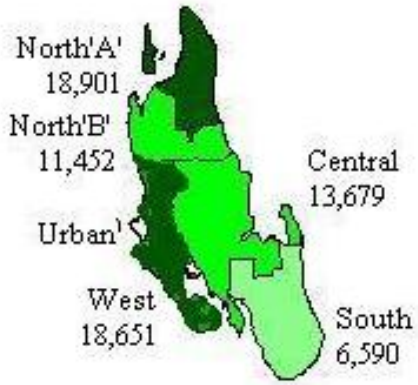
Crops and Livestock

West district stands out tohave the largest number of households engaged in livestock keeping (1,130, 61.4%) while all other districts had fewer than 200 households (Chart 3.2). However, mixed crop production and livestock keeping was common in all the districts and Micheweni district had the highesr number (7,475 households, 17%) and the lowest in South district (1,657 households, 3.8%).

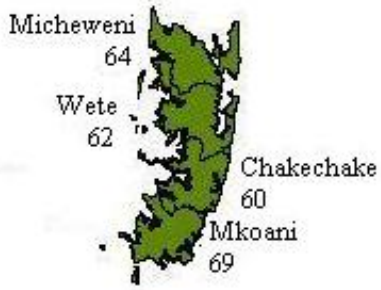
Map 3.1 Zanzibar
Number of Agricultural Households by District

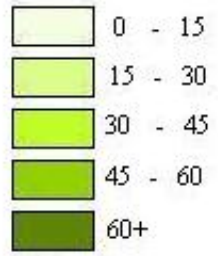




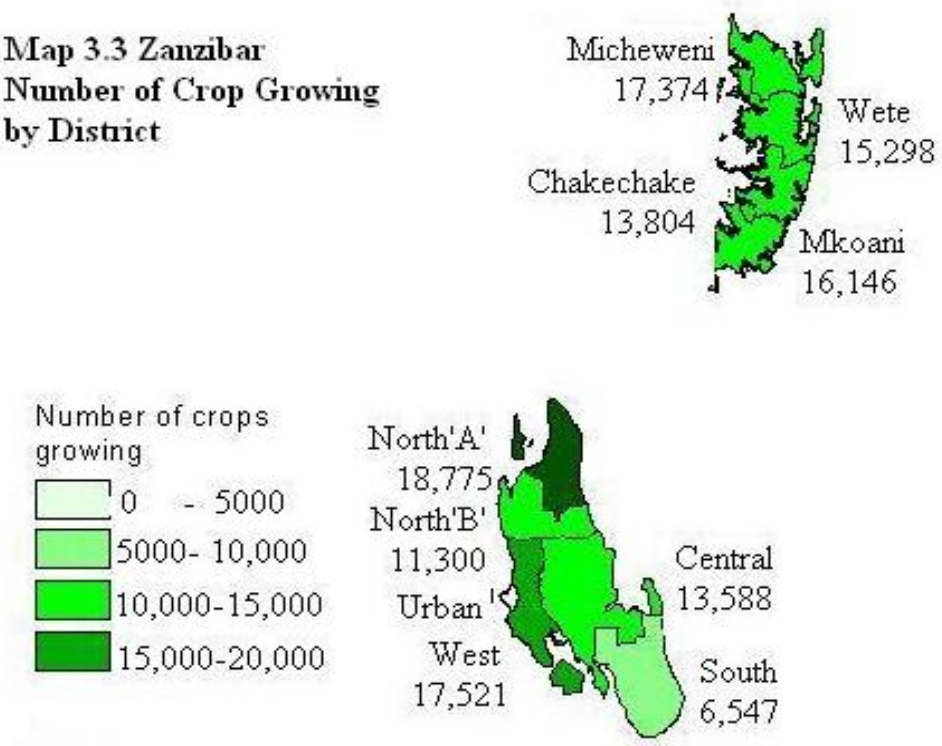


Map 3.2 Zanzibar
Number of Agricultural Household per sq km by District

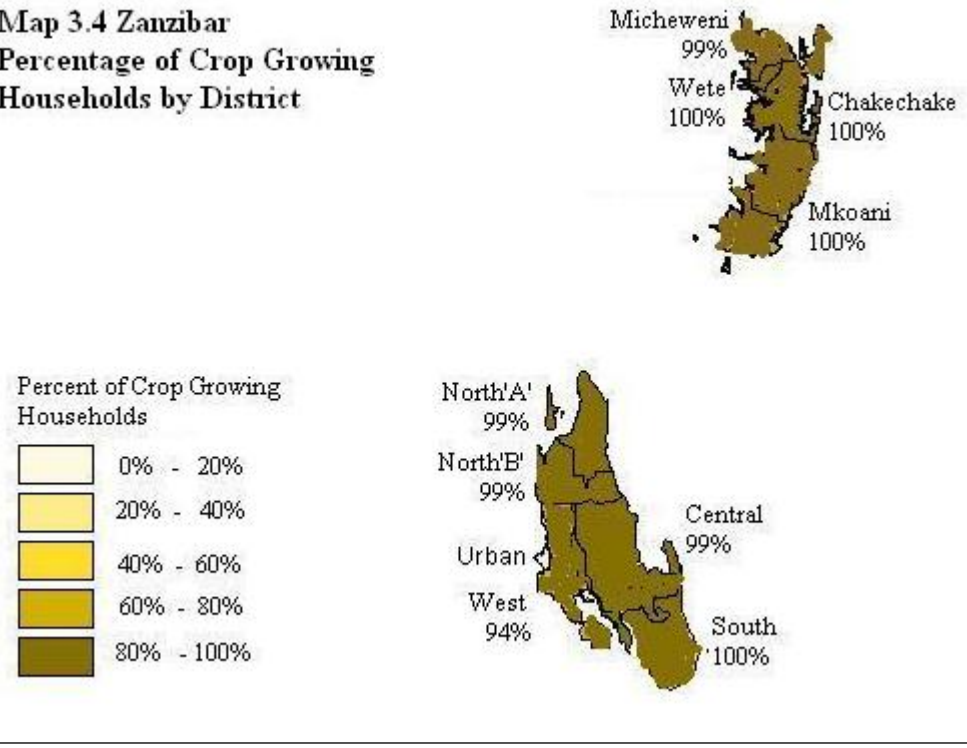




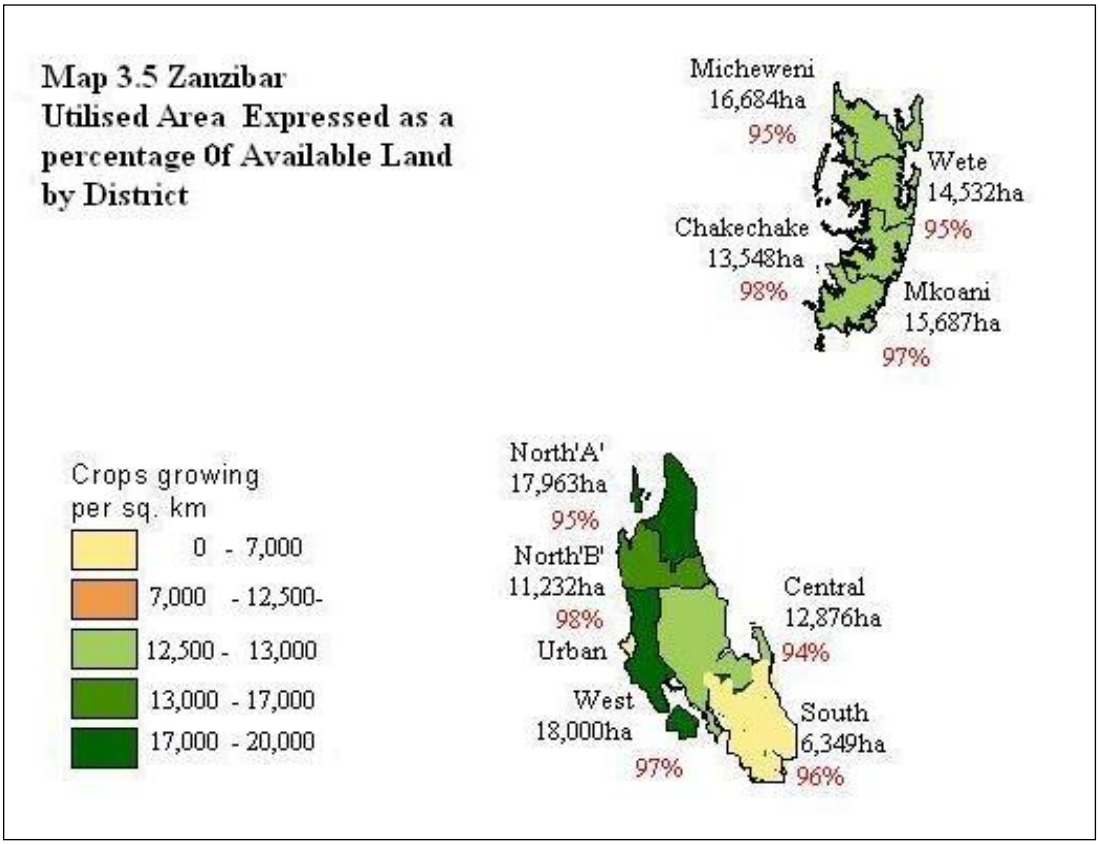
Map 3.3 Zanzibar
Number of Crop Growing by District



Map 3.4 Zanzibar
Percentage of Crop Growing Households by District



Map 3.5 Zanzibar
Utilised Area Expressed as a percentage 0f Available Land by District



3.2 Land Use

This section attempts to indicate to what extent land is available to households for agricultural activities particularly with regard to the use of the land for planting crops. A distinction is made between the land area planted which refers to the physical area of land planted with crops in any one particular year. In cases where the same piece of land is used for planting more than one crop, the area is summed up.

3.2.1 Area of Land Utilized for Growing Crops

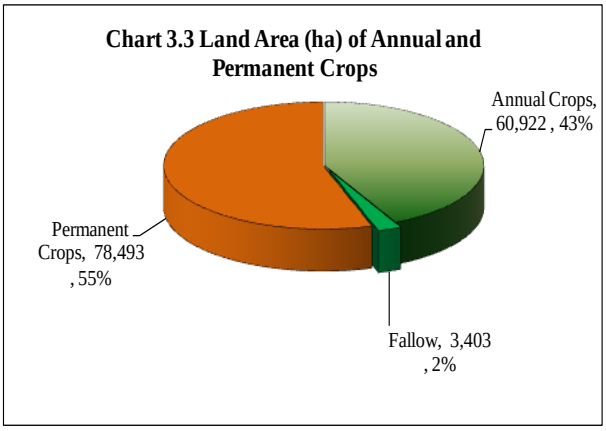
The total area of land available for the production of annual and perennial crops was 120,325 ha. In all the districts, the proportion of planted area is larger during the long rains than during the short rainy season. In both seasons, the Central district had the highest land utilization being 33% of the 6,262 planted area during the short rainy season and 16% of the 6,505 ha of the area planted during long rainy season (Table 3.2, Map 3.6 – percentages indicated on the map to be reconciled). On the other hand, West, Wete, Micheweni, Chakechake and Mkoani districts each had less than 10% land utilization, Chakechake being thelowest at 6.1%, during the short rainy season and South district at 3% during the long rainy season.

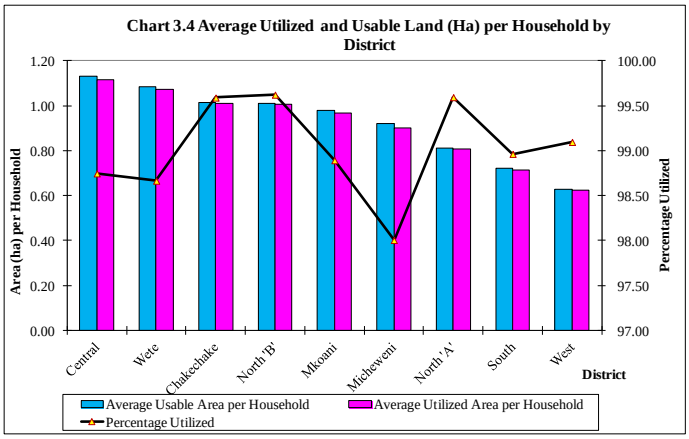
Generally, land utilization was relatively higher during the long rainy season than during the short rainy season except in North "B", South and West districts. Land available for crop production is variable across the districts. Land area for crop production was largest in Central district (1.74 ha/household) and smallest in West district at 0.72 ha/household and only three districts (North "B", Central and Wete) which were above the overall average of 1.15 ha. Land for crop production per household in the other districts were as follows: North "B" (1.19 ha), Wete (1.18 ha), South (1.04), Mkoani (1.03 ha), Chakechake (1.02 ha), Micheweni (0.92 ha) and North "A" (0.88 ha.

Table 3.2: Total Area Used for Annual and Permanent Crops and Average Area per Household by District

District	Planted area (ha)						Total		
	Planted area (hectare) in Short rainy season	Percentage	Planted Area (hectare) in Long rainy season	Percentage	Permanent crops	Percentage	Total Area Used for Annual and Permanent	Total Crop growing Households	Average Area (hectare) per household
North 'A'	3,209	17	5,872	14	7,492	10	16,573	18,775	0.88
North 'B'	2,515	13	3,448	8	7,610	10	13,574	11,300	1.19
Central	6,262	33	6,505	16	11,033	14	23,800	13,588	1.74
South	2,388	12	1,137	3	3,299	4	6,825	6,547	1.04
West	1,734	9	2,825	7	8,919	11	13,477	17,521	0.72
Wete	733	4	6,087	15	11,311	14	18,130	15,298	1.18
Micheweni	1,327	7	5,263	13	9,559	12	16,149	17,374	0.92
Chakechake	336	2	5,152	12	8,667	11	14,155	13,804	1.02
Mkoani	624	3	5,506	13	10,604	14	16,733	16,146	1.03
Total	**19,127**	**100**	**41,795**	**100**	**78,493**	**100**	**139,415**	**130,353**	**1.15**

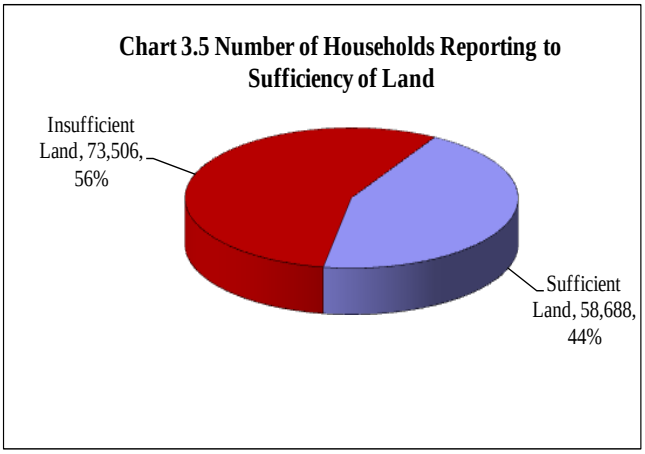
Compared to agriculture census (2002/03), the total area planted with annual crops has declined from 78,274 ha to 60,922 ha while the area under permanent crops has increased to 78,493 ha as compared to 32,120 ha in 2002/03 (Charts 3.3 and 3.4). Generally, however, a larger proportion of the land was planted with permanent crops (78,493 ha, 60%) as compared to annual crops (52,457, 40%) and most of the land available was utilized for crop production and land kept under fallow being 3,402 ha (2%).

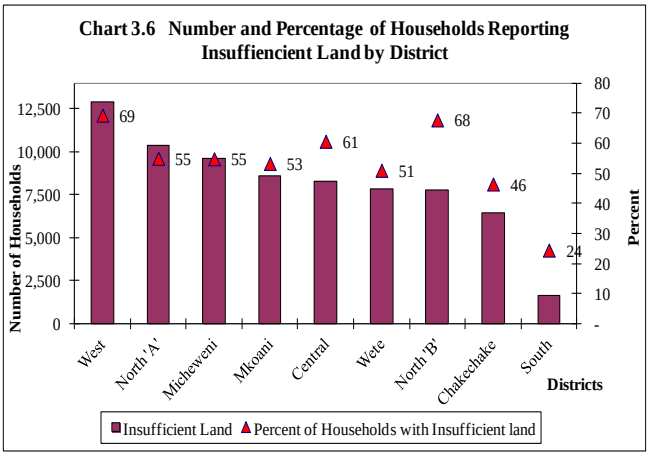




3.2.2 Land Use Sufficiency

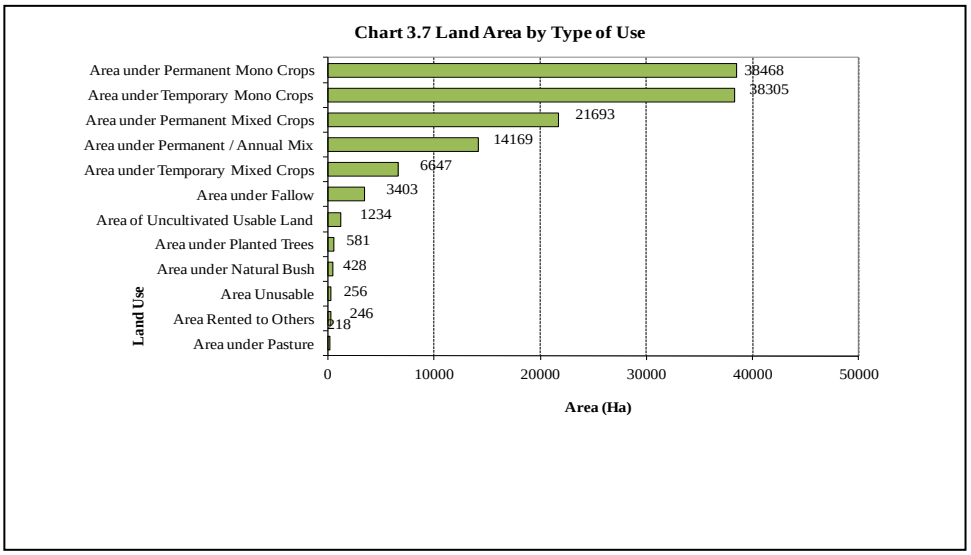
Land is under pressure for a greater part of the population as 56% of the households (73,506) reported land insufficiency as compared to 58,688 households (44%) which reported having sufficient land (Charts 3.5 and 3.6). The high proportions of households reporting land insufficiency is consistent with the low average land available (1.5 ha) per household. Pressure on land was further depicted by the fact that the usable land (121,556 ha) was utilized almost entirely (121,325 ha, 98.99%), with a range of between 99% (Micheweni district) and 99.59% (North "A").





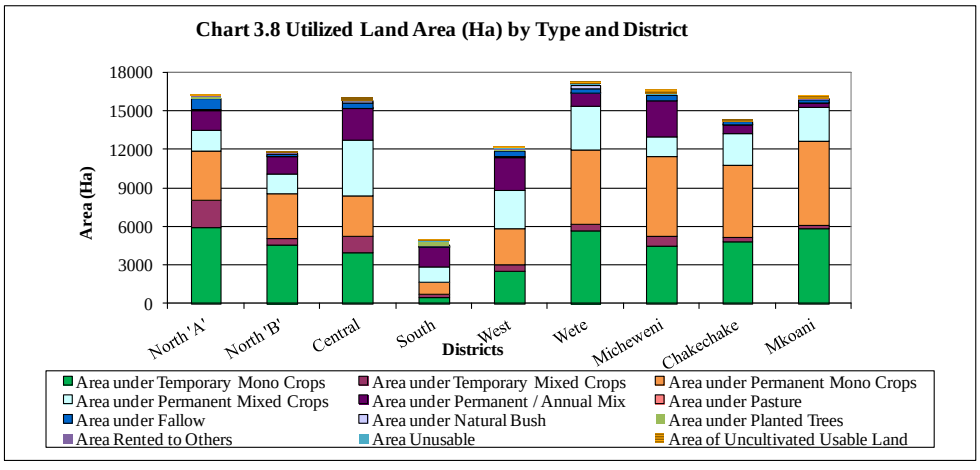
3.2.3 Land Use Patterns

The land use patterns as presented indicate a general increase in the land available for crop production from 111,278 ha (2002/03 Agricultural Census) to the current 132,193 ha. The land available is divided between 38,305 ha (29%) for the production of temporary (annual) crops grown in monoculture and 38,468 ha (29.1%) for permanent (perennial) crops in monoculture (Chart 3.7) and other relatively less dominant land uses: permanent mixed crops (21,693 ha, 16.4%), mixed permanent and annual crops (14,169 ha, 10.7%), mixed temporary crops (6,647 ha, 5%) and fallow (3,403 ha, 2.7%).



Much smaller areas were under planted trees, pasture, natural bush, unusable and/or rented to others which together amounts to 2,962 ha (7%). This implies that temporal and permanent mono crop production were the two most common land use types.

The land area planted with temporary (annual) mono crops (38,305 ha) was comparable with that planted with perennial monocrops (38,468 ha). However, the 38,305 ha under annual monocrops represent a significant decline from the 65,008 ha recorded during the 2002/03 agricultural census. Amongst the districts, North "A" had the largest area under annual mono crops (5,977 ha, 15.6%) and South district had the smallest (468 ha, 1.2 ha). All other districts were in between the two extremes (Chart 3.8, Table 3.3).



Temporary mixed crops were planted on a relatively smaller area (6,647 ha) of which North "A" district had the single largest component (2,117 ha, 31.8%) followed by Central district (1,269 ha, 19.1%) and Micheweni (794 ha, 11.9%). All other districts had smaller areas which collectively accounted for 37.2% of the land.

Table 3.3: Land Use Pattern

District	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 planted trees
North 'A'	5,977	2,117	3,788	1,679	1,515	77	876	89
North 'B'	4,536	525	3,537	1,554	1,298	5	172	46
Central	4,004	1,269	3,113	4,341	2,509	15	412	4
South	468	249	973	1,189	1,493	12	121	323
West	2,524	544	2,822	2,928	2,598	44	472	32
Wete	5,715	497	5,762	3,446	971	29	380	44
Micheweni	4,472	794	6,222	1,4888	2,815	0	446	24
Chakechake	4,794	365	5,666	2.485	614	25	229	19
Mkoani	5,815	297	6,584	2,582	357	11	294	0
Total	38,305	6,647	38,468	21,693	14,169	218	3,403	581

The area under permanent mono crops (38,468 ha), and permanent mixed crops (21,693 ha) together accounted for 48.7% of the utilized land area (123,484 ha). In the case of permanent mono crops, the largest planted area was in Mkoani district (6,584 ha, 17.1%) while South district had the smallest (973 ha, 2.5%). In the case of permanent mixed crops (Chart 3.8 and Table 3.3), the distribution of area planted, in descending order, was Central (20%), Wete (15.9%), Mkoani (11.9%), Chakechake (11.5%), North "A" (7.7%), North "B" (7.2%), Micheweni (6.9%) and South district (5.5%).

Permanent mixed with annual crops occupied a total 14,169 ha with Micheweni district accounting for 19.9%, West 18.3%, and Central 17.7%. North "A" and "B" and South districts had areas planted with permanent mixed crops in the range between 10.5 and 10.7% while the remaining districts Wete, Chakechake and Mkoani had between 2.5 and 6.5% (Chart 3.8). The remaining planted area, across districts, is divided between planted trees (0.47%), fallow (2.8%) and pasture (0.18%). However, Micheweni did not have land area planted to pasture and Mkoani had no land with planted trees (Chart 3.8 and Table 3.3).

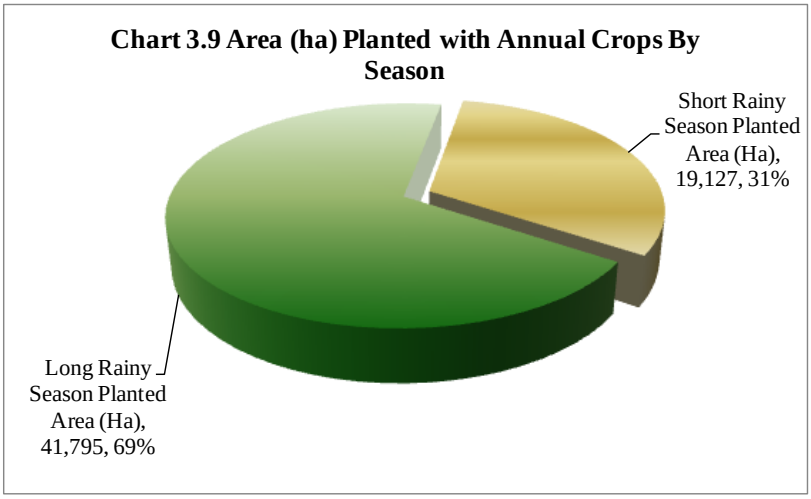
3.3 Annual Crop Production

Zanzibar has two seasons; the long rainy season which is the main season and the short rainy season. However, the land area used for the production of annual crops was larger in the long rainy season than during the short rainy season implying that the long rains are more reliable with an inference that most of the annual crop production is rain-fed.

3.3.1 Planted Area

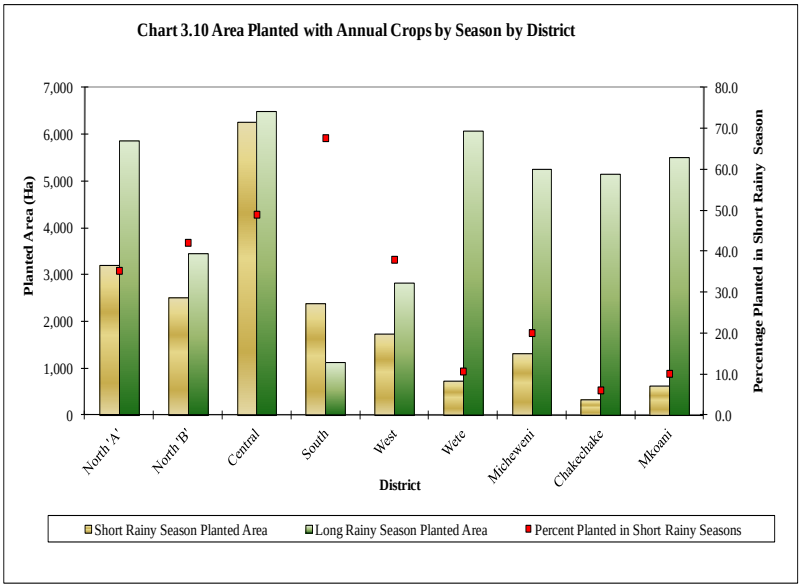
During 2007/08, the total area planted with annual crops was 60,922 ha (Chart 3.9, Map 3.7) which was 22% less than the area planted to similar type of crops during 2002/03 (78,276 ha). This implies the probability that some of the area suitable for planting annual crops was converted to some other uses. In the area planted during 2007/08, most of the annual crops were planted during the long rainy season (41,795 ha, 69%) as compared to the short rainy season **(** 19,127 ha, 31%).

Chart 3.9 Area (ha) Planted with Annual Crops By Season

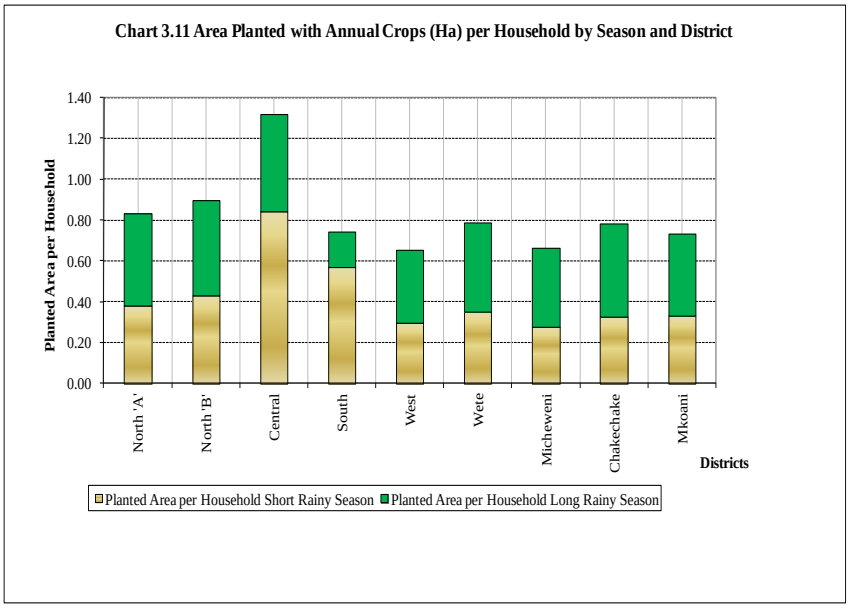


The trend of preference for long rainy season as the main planting season is illustrated by the relatively large area planted during the long rains in all the districts except South district. In Central district, the area planted during the short rainy season (6,262 ha) was almost equal to the area planted during the long rainy season (6,505 ha) and South district had the smallest planted area during the long rainy season (Chart 3.10, Maps 3.8 and Map 3.9). The total planted area for the two seasons was largest in Central district (12,767 ha) and smallest in South district (3,526 ha).

Chart 3.10 Area Planted with Annual Crops by Season by District

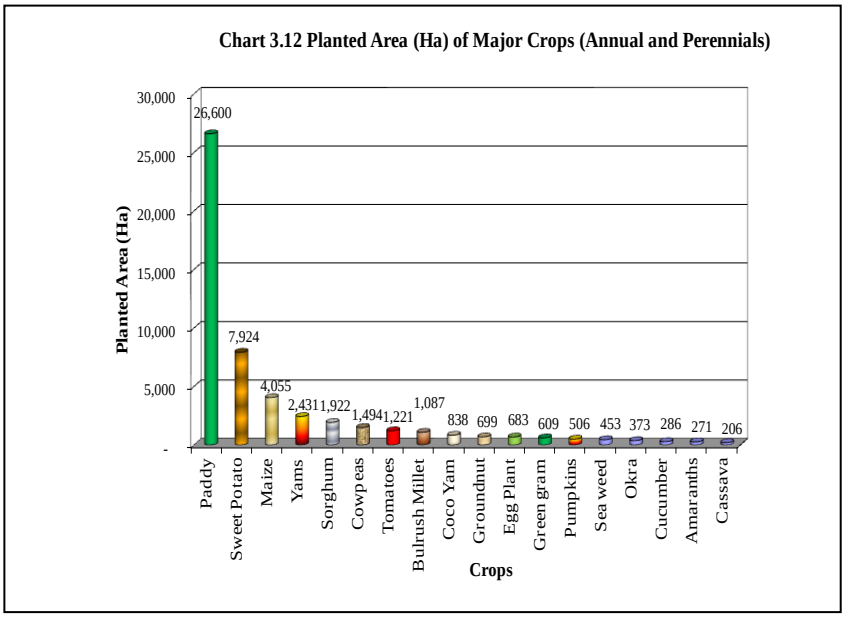


Crop Area Planted per Household



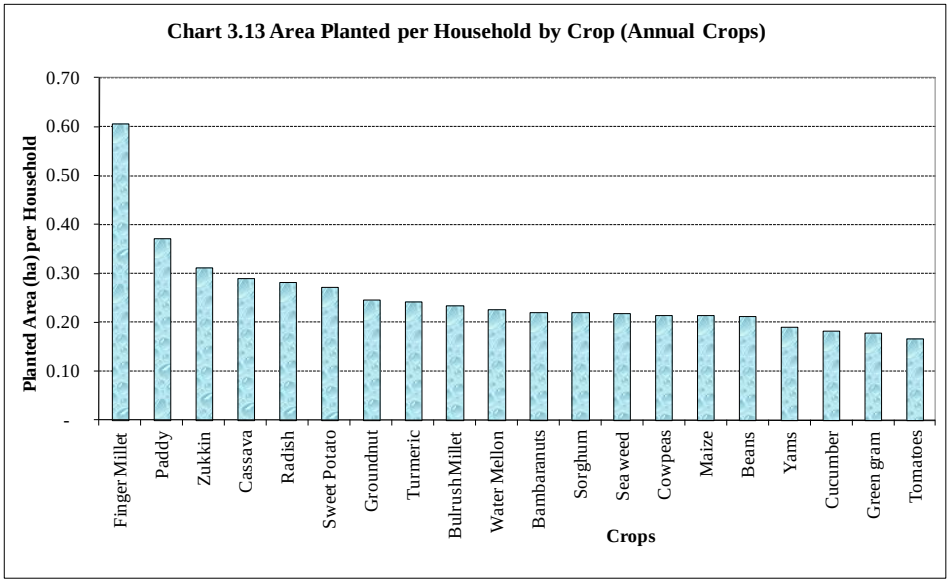
During the long rains, individual holdings were below 0.5 ha per household across all the districts with highest (0.48 ha/household) in Central district and lowest (0.17 ha/household) in South district. Comparatively, land areas planted per household were much smaller during the short rains except Central and South districts with 0.84 and 0.57 ha /household, respectively. These were the only two districts with planted area larger than 0.5 ha per household. Considering both the total area planted (Chart 3.10) and the planted area per household (Chart 3.11), Central district was the key district for annual crop production in Zanzibar, followed by North "B" and North "A" and South districts.

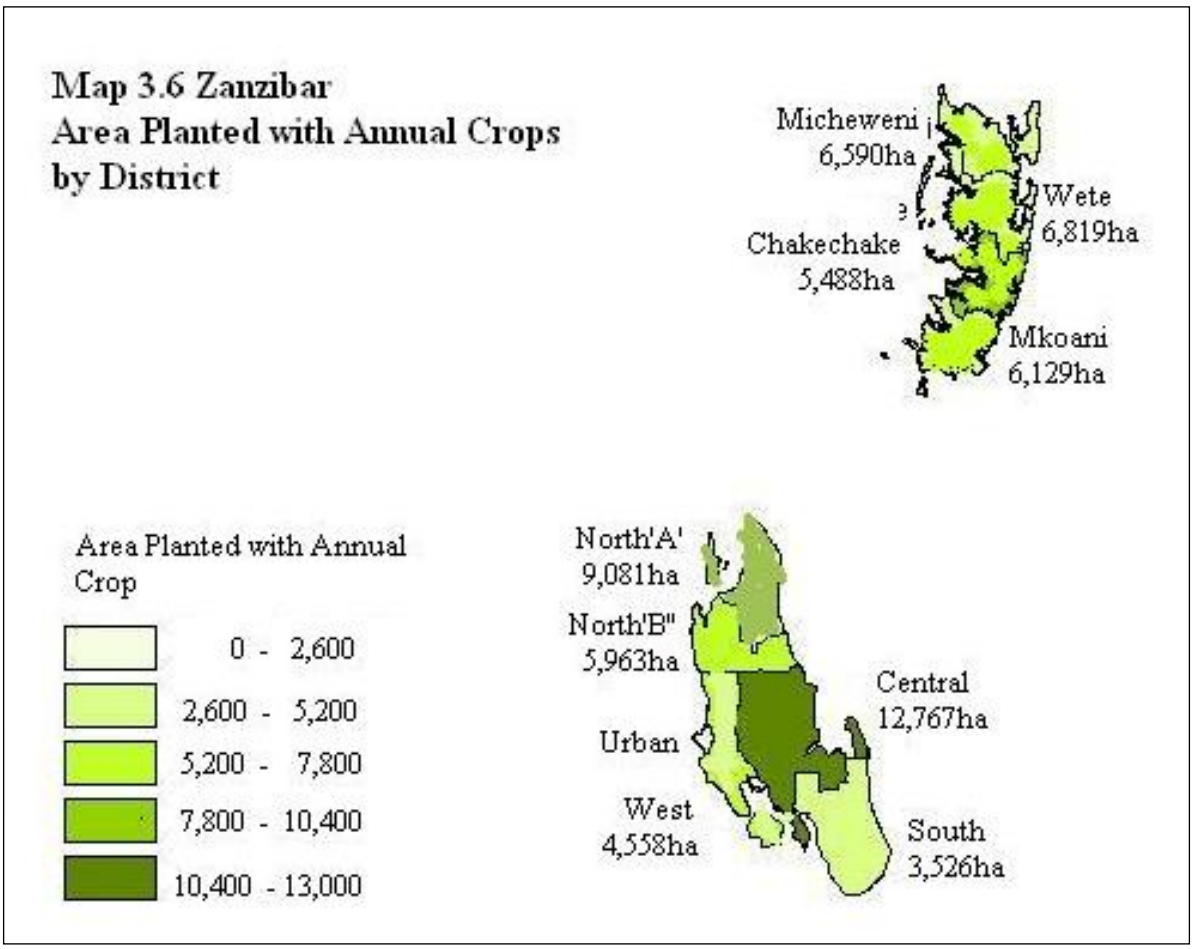
3.3.2 Crop Types



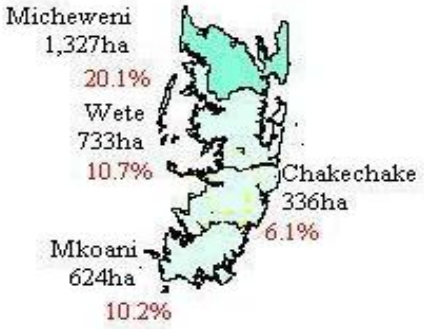
Amongst the annual (and some semi-perennial) crops, paddy was the single most important annual crop in Zanzibar (Chart 3.12) which was planted on 26,600 ha. This was a shift from the situation in 2002/03 where roots and tubers were the most important subsistence crops in Zanzibar (Agricultural Census 2002/03). Paddy was followed by a large margin difference, by sweet potatoes (7,924 ha), maize (4,055 ha) and yams (2,431 ha). A host of other annual and semi-perennial crops (coco yams) were planted on relatively much smaller areas of which sorghum, cowpeas, tomatoes and bulrush millet occupied at least 1000 ha each, (Chart 3.12).

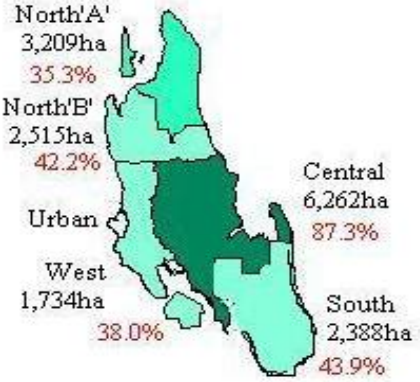
In terms of land area occupied by different crops (Chart 3.13), areas planted with finger millet were the largest (0.61 ha per household) followed by paddy (0.37 ha per household), zukini (0.31 ha per household), cassava (0.29 ha per household), radish (0.28 ha per household), sweet potatoes (0.27 ha per household) and groundnuts (0.25 ha per household). Zukini and radish were the vegetable crops amongst the annual crops planted on relatively large areas indicating the relative importance of vegetable crops in Zanzibar.



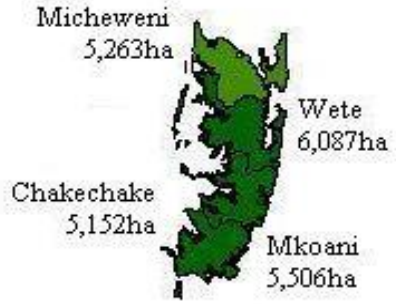


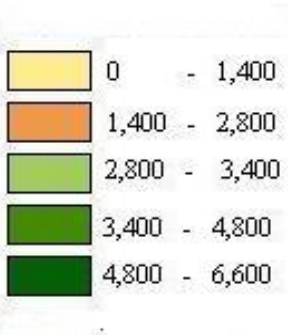
Map 3.3.7 Zanzibar Area Planted During Short Rainy Season by District

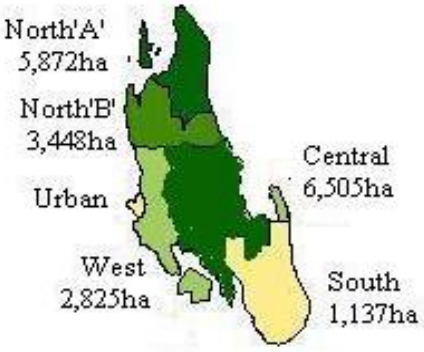




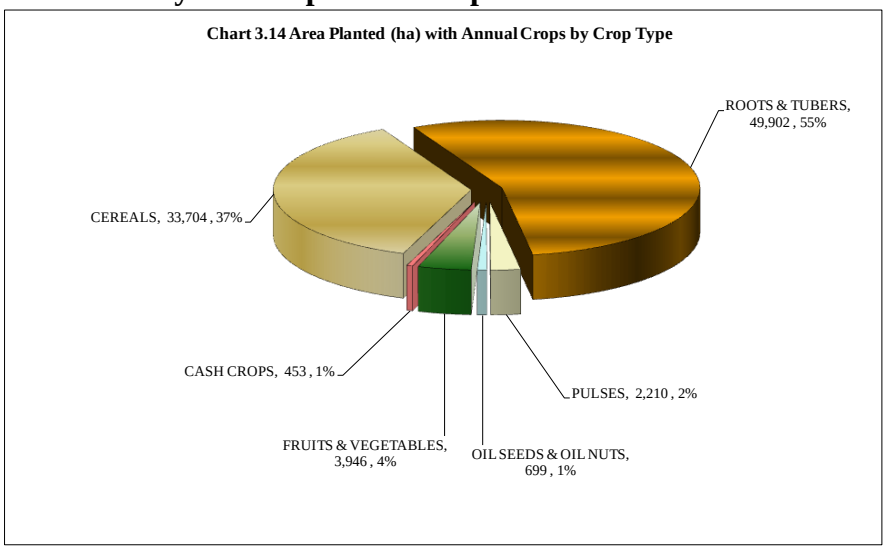
Map 3.8 Zanzibar Area Planted During the Long Rainy Season by District





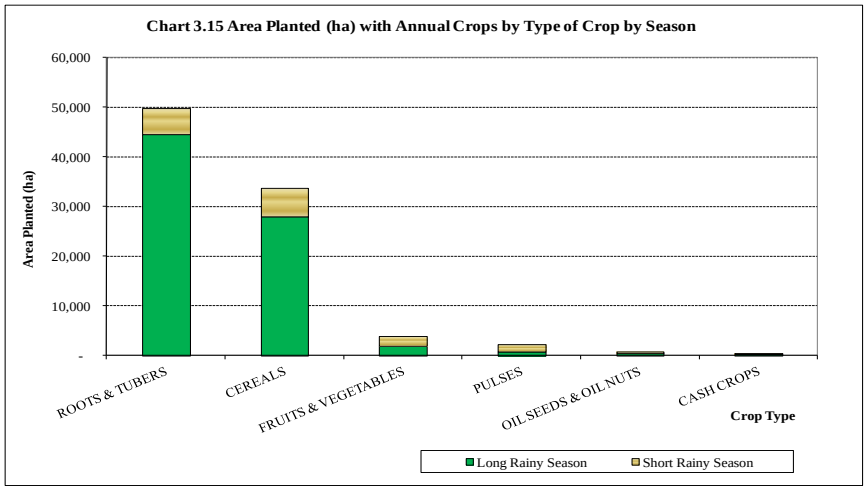


3.3.3 Analysis of Important Crops



Results on the main crops have considered the relative importance of each of the crops under the grouping of annual crops and permanent or perennial crops (tree and non-tree types). Separate analyses for annual and permanent crops are provided in different sections.

Relative Crop Importance



Generally, roots and tubers were the most dominant group of crops occupying 49,902 ha equivalent to 55 percent of the total planted area (Charts 3.14 and 3.15 and Map 3.10) followed by cereals (33,704 ha, 37%), fruits and vegetables (3,946 ha, 4%) and pulses (2,210 ha, 2%). At the bottom of the list were oilseeds such as sesame and oil nuts, mostly coconut, each with 1%. The data indicates that crop preference has remained the same as that of 2002/03 agricultural sample census.

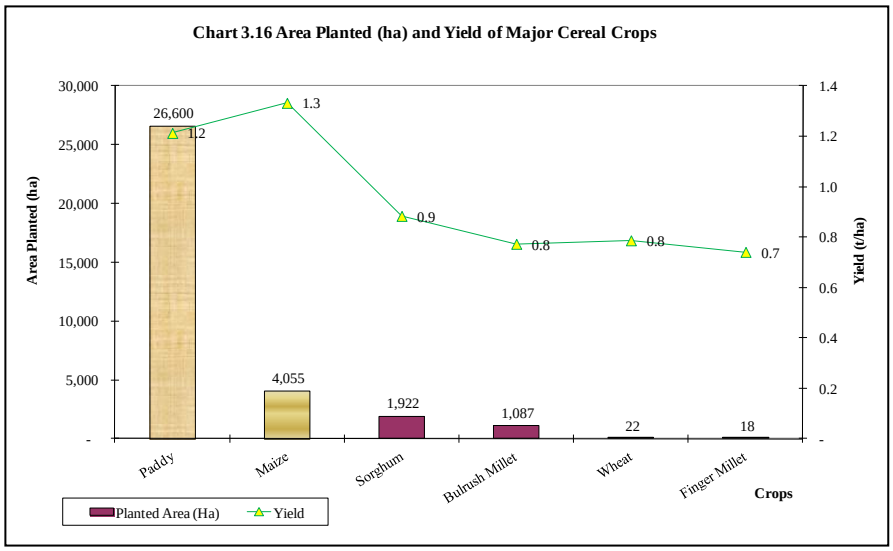
Table 3.4 Area Planted and Quantity Harvested by Season and Type of Cereal Crops

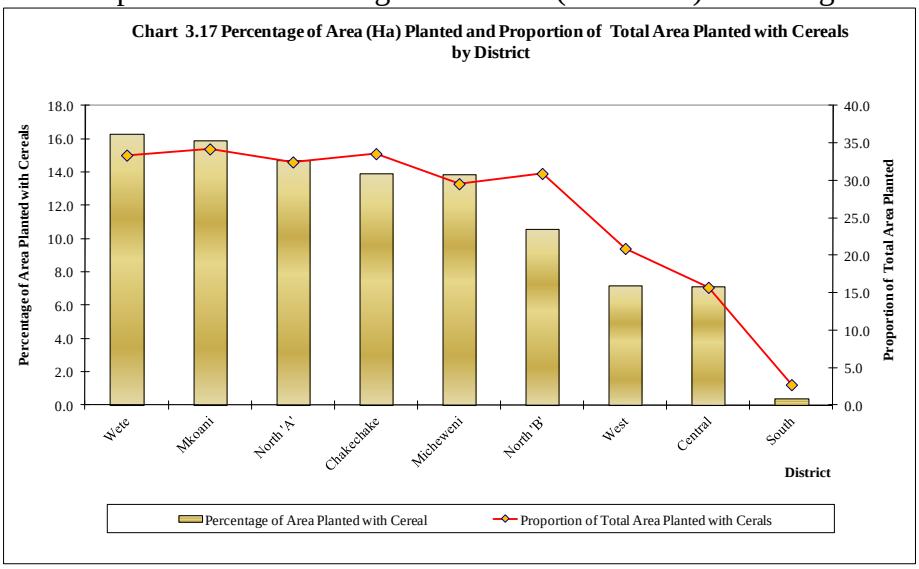
Crop	Rainy Season	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Maize	Short Season	1,295	2,045	1.6
	Long Season	2,760	3,358	1.2
Paddy	Short Season	3,125	4,032	1.3
	Long Season	23,475	28,233	1.2
Sorghum	Short Season	414	270	0.7
	Long Season	1,508	1,429	0.9
Bulrush Millet	Short Season	871	721	0.8
	Long Season	215	119	0.6
Finger Millet	Short Season	0	0	0
	Long Season	18	13	0.7

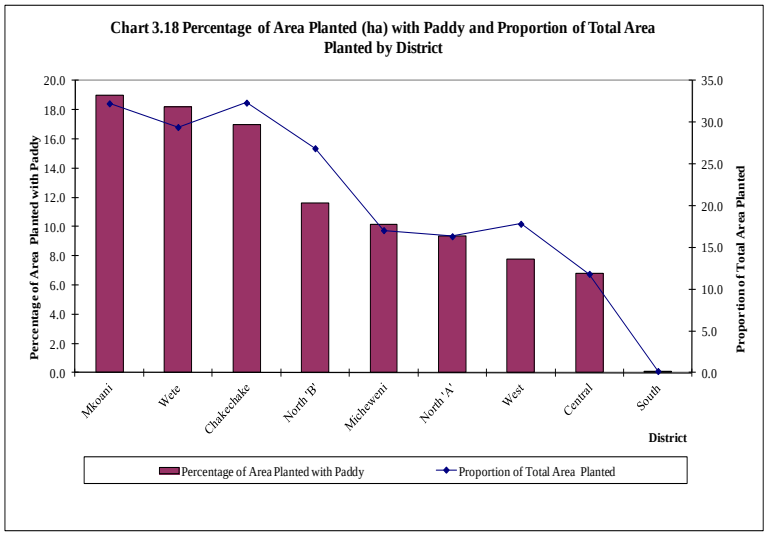
3.3.4 Cereal Production

Amongst the cereals, paddy was planted on largest land area (26,600 ha) and produced the highest quantities in both the long and short rainy

seasons (Table 3.4 and Chart 3.16). However, the long rainy season accounted for the greatest planted area (11.7%) of the planted area. A total of 3,125 ha was planted during the short rains. Maize, sorghum and bulrush millet were the second, third and fourth cereals planted on a total of 4,055, 1,922 and 1,087 ha, respectively (Chart 3.16). However, maize and sorghum were planted mostly during the long rainy season (68.1 and 78.5%, respectively) while bulrush millet was planted predominantly during the short rainy season (871 ha, 80.1%) while finger millet was not planted at all during the season (Table 3.4). Amongst the cereals, wheat and finger millet occupied the smallest and almost negligible land areas (Chart 3.16). Generally, yields were highest for maize (1.3 tons/ha) followed by paddy (1.2 tons/ha). The yields of all other cereals were in the range between 0.7 and 0.9 tons/ha (Chart 3.16). Across the districts (Chart 3.17), the actual area planted with cereals was largest in Wete district (5,497 ha, 16.8% of total area under cereals) followed by Mkoani (5,360 ha, 15.9%), North 'A' (4,953 ha, 14.7%) and Chakechake (4,697 ha, 13.9%) of which Chakechake had the largest proportion of the district land are planted with cereals (33.6%). South district had the lowest planted area (128 ha, 0.4%) equivalent to 2.7% of the proportion of land planted with cereals.







Paddy Production

Paddy production was undertaken in all the districts and the largest planted area was in Mkoani district (5,055 ha, 19%). Followed by Wete (18.2%), Chakechake (17%), North 'B' (11.6%) and Micheweni (10.1%). South district had the smallest planted area (9 ha, less than 0.1%), (Chart 3.18, Maps 3.13 and 3.14).

In Chakechake, Mkoani and Wete districts the number of households planted paddy together accounted for 51.5% of the total 71,633 paddy growing households (Table 3.5 and Chart 3.19). Amongst the three districts, Mkoani had the highest number of households (13,174, 18.4%), followed by Wete (12,838 households, 17.9%) and Chakechake (10,890 households, 15.2%). In the second tier were four districts which accounted for another 49.0% of the paddy growing households led by Micheweni (9,519 households), North 'B' (7,940 households), North 'A' (6,615 households) and West (6,123 households). Paddy was relatively less preferred in Central district (4,468 households) and smallest in South district

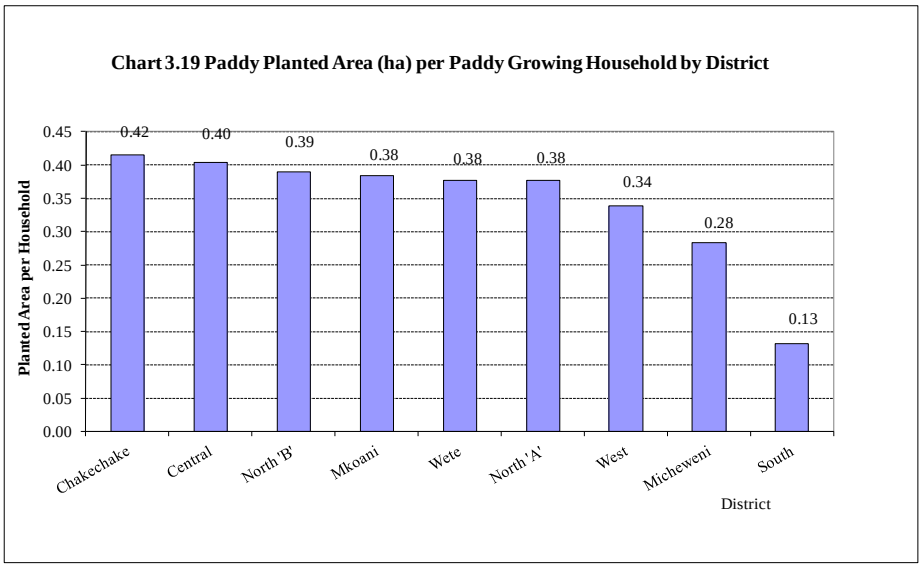


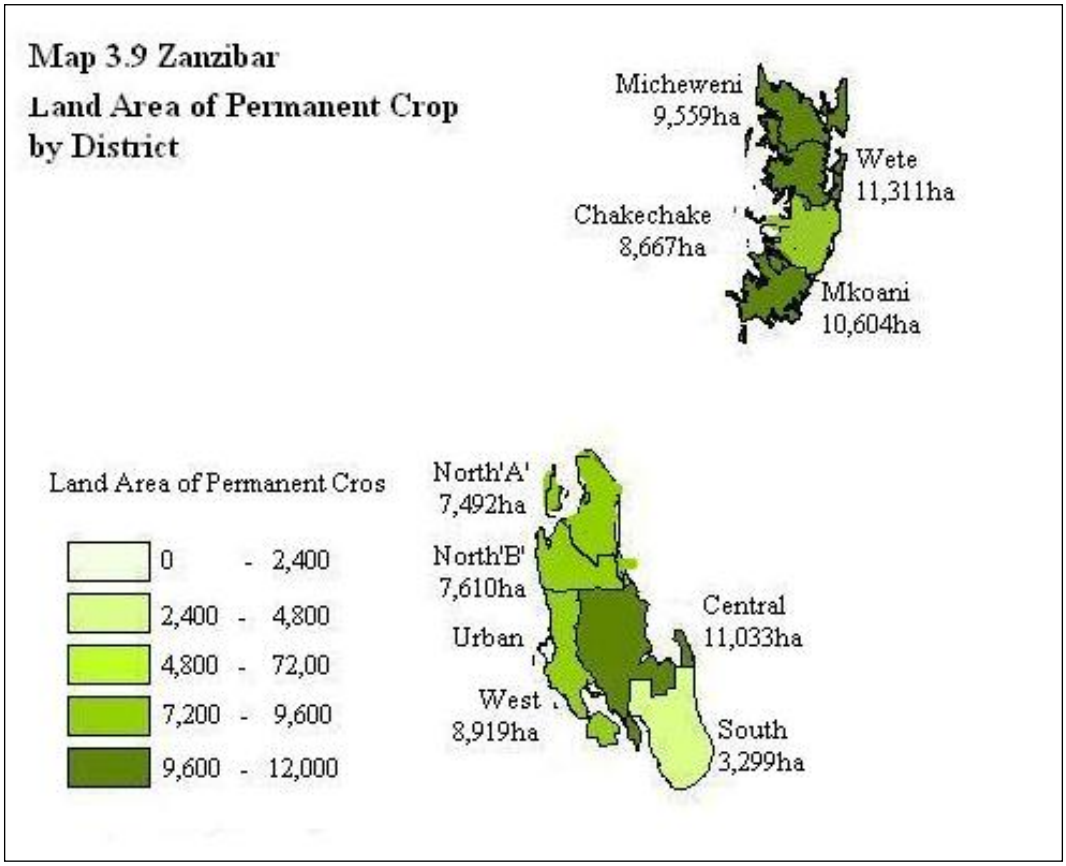
Table 3.5 Planted Area per Household Growing Paddy, Short and Long Rainy Season by District

District	Number of Household	Actual Planted Area (ha) with Paddy	Planted Area per Household
Chakechake	10,890	4,525	0.42
Central	4,468	1,805	0.40
North 'B'	7,940	3,097	0.39
Mkoani	13,174	5,055	0.38
Wete	12,838	4,846	0.38
North 'A'	6,615	2,492	0.38
West	6,123	2,073	0.34
Micheweni	9,519	2,698	0.28
South	65	9	0.13
Total	**71633**	**26,600**	**0.37**

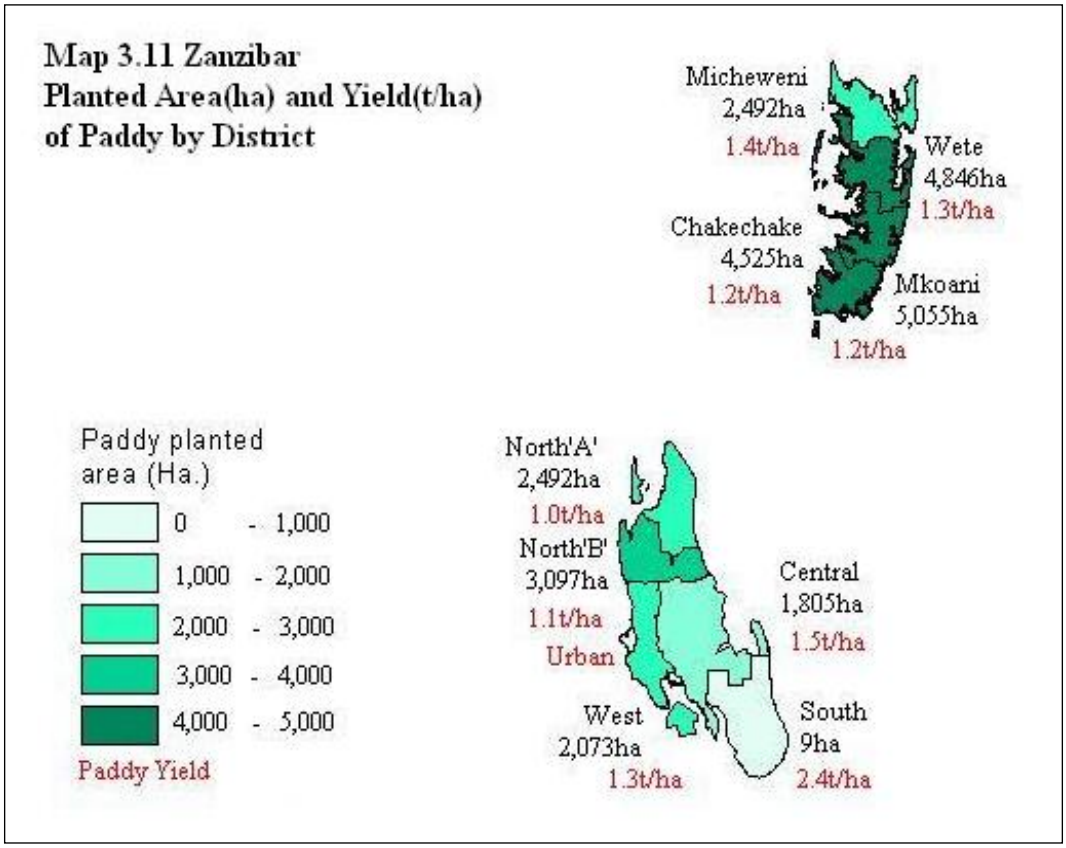
(65 households).

Despite the variation in the number of households growing paddy, individual household paddy fields were generally small, less than 0.5 ha in all the districts. Average planted area per household were generally comparable in most of the districts with Chakechake district being highest (0.42 ha/hh), followed by Central (0.40 ha/hh), North 'B' (0.39 ha/hh) and Mkoani, Wete and North 'A'districts each with an average of 0.38 ha per household (Chart 3.19,). South district had the smallest planted area per household (0.13 ha). (Chart 3.19 and Table 3.5).

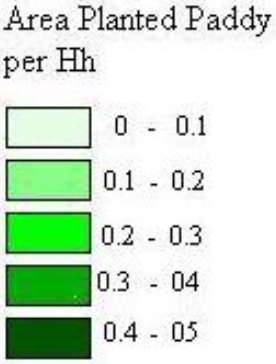
Map 3.9 Zanzibar
Land Area of Permanent Crop by District



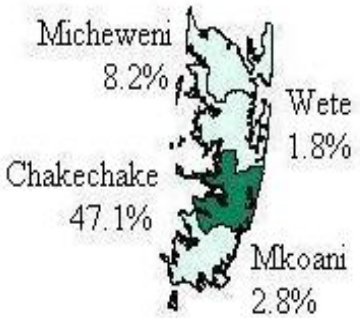
Map 3.11 Zanzibar
Planted Area(ha) and Yield(t/ha) of Paddy by District

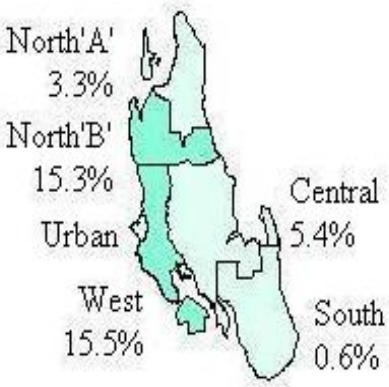


Map 3.12 Zanzibar Paddy Area Planted as a Percentage of Total Land Area by District



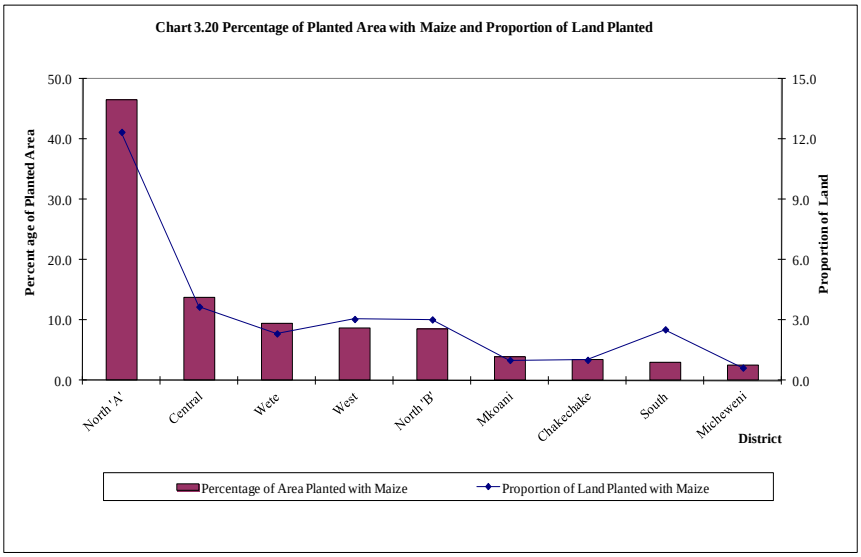
Map 3.13 Zanzibar Paddy Area Planted as a Percentage of Total Land by District

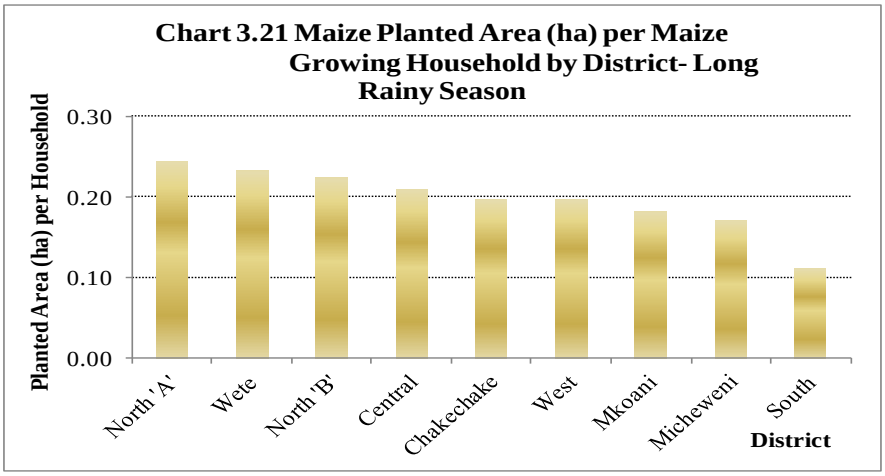




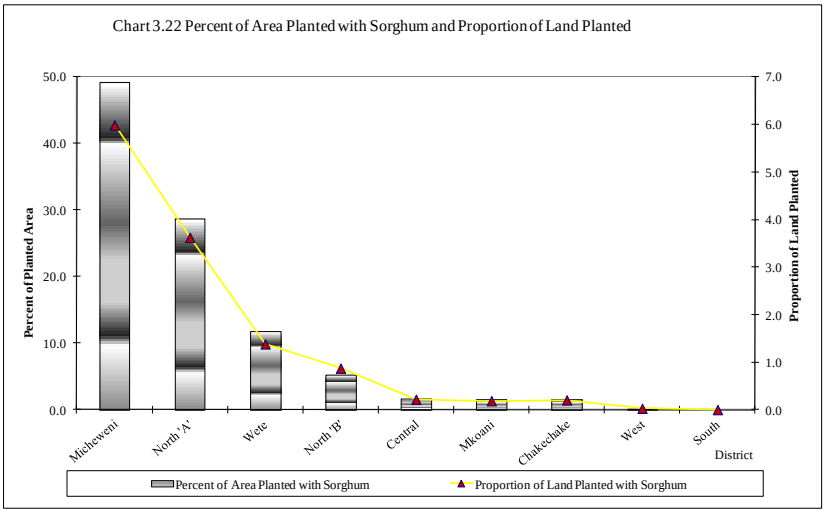
Maize Production

During the short and long rainy seasons maize production which was carried out on 4,055 ha was the second most important cereal crop after paddy and was grown in all the districts. The crop occupied relatively smaller proportions of the total planted area compared to paddy in all the districts except the South district. However, large variations existed as a major part of the area planted with maize (1,886 ha, 46.5%) was in only one district, North 'A' (Chart 3.20, Map 3.14). In other other districts, Central district was the second with 559 ha (13.8%). Other districts accounted for less than 10% of the planted area, the smallest being Micheweni district (2.5%). During the long rainy season the number of households which planted maize was similarly highest in North 'A' district (6174 households, 49.8%), where individual holdings were also largest (0.24 ha/household) followed by Wete (1,435 households, 11.6%; 0.23 ha/household). The smallest planted area per household (0.11 ha/household, was found in South district (Chart 3.21 and Map 3.16).



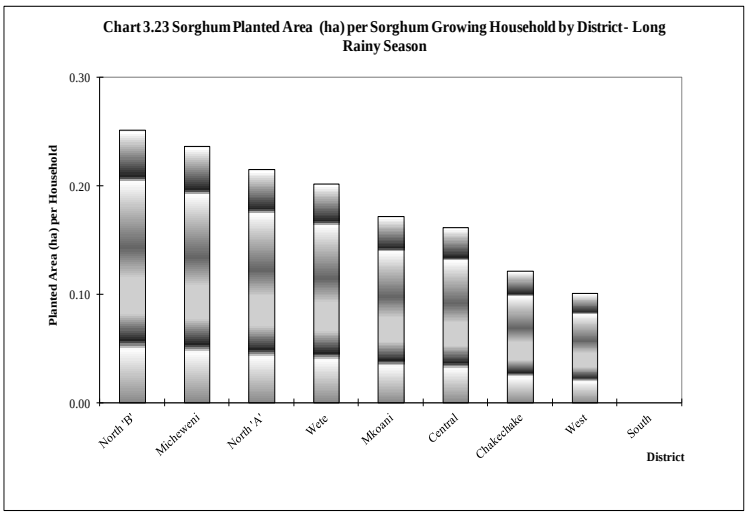


Sorghum Production

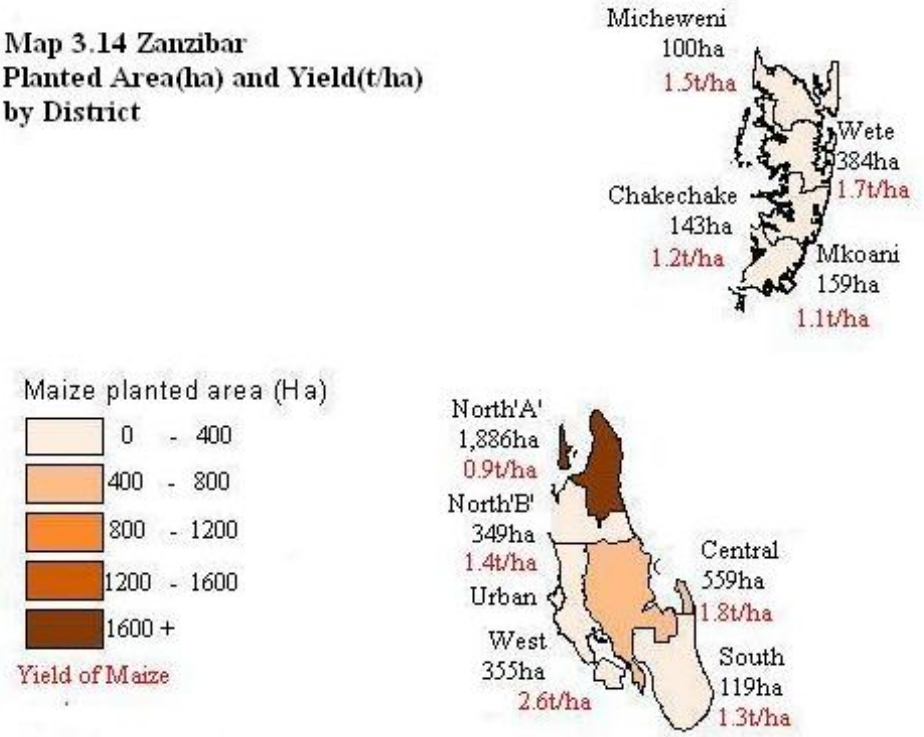


The total land area planted with sorghum in the two seasons was 1,922 ha (1508 ha long rainy season and 414 ha short rainy season) of which 49.3% of the land (947 ha) was in Micheweni; 28.8% (553 ha) was in North 'A'; 11.9% (228 ha) was in Wete and 5.2% (100 ha) was in North 'B' (Chart 3.22, Map 3.19). Central, Mkoani, Chakechake and West districts together accounted for a total of 94 ha (4.9%). Sorghum was planted on a small area of 3 ha in West district and in South district sorghum was not planted. However, in Micheweni district which had the largest planted area, the area under sorghum was equivalent to only 6 percent of the total planted area and being much less in other districts, implying that, sorghum was not a popular crop in Zanzibar.

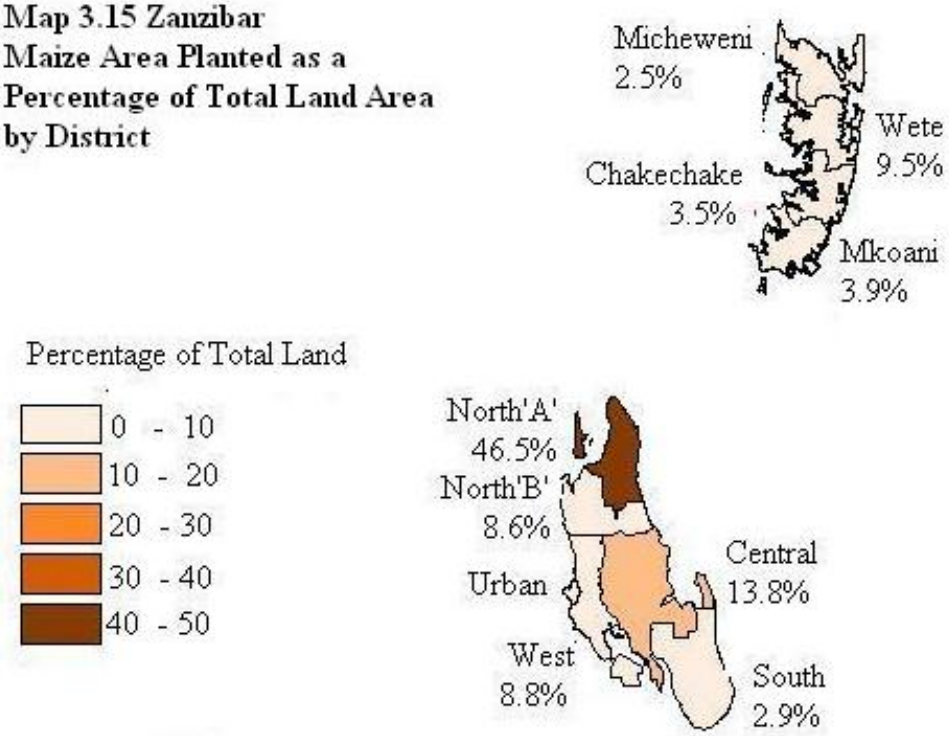
The number of households which planted sorghum (Map 3.20) followed a similar trend to the planted areas such that it was highest in Micheweni district (4,088 households, 46.8%), followed by North 'A' (2,426 households, 27.8%) and Wete district (1,102 households, 12.6%). Among the remaining districts, 458 households (5.2%) planted sorghum in North 'B' while in Mkoani, Central, Chakechake and West districts, the number of households that planted sorghum was almost negligible and nothing was planted in South district. Planted areas per household were generally small, the highest being 0.25 ha in North 'B', 0.24 ha in Micheweni, 0.22 in North 'A' and 0.20 in Wete district (Chart 3.23). In the districts with much smaller numbers of households include Mkoani, Central, Chakechake and West each with planted area per household much lower in the range between 0.10 and 0.17 ha.

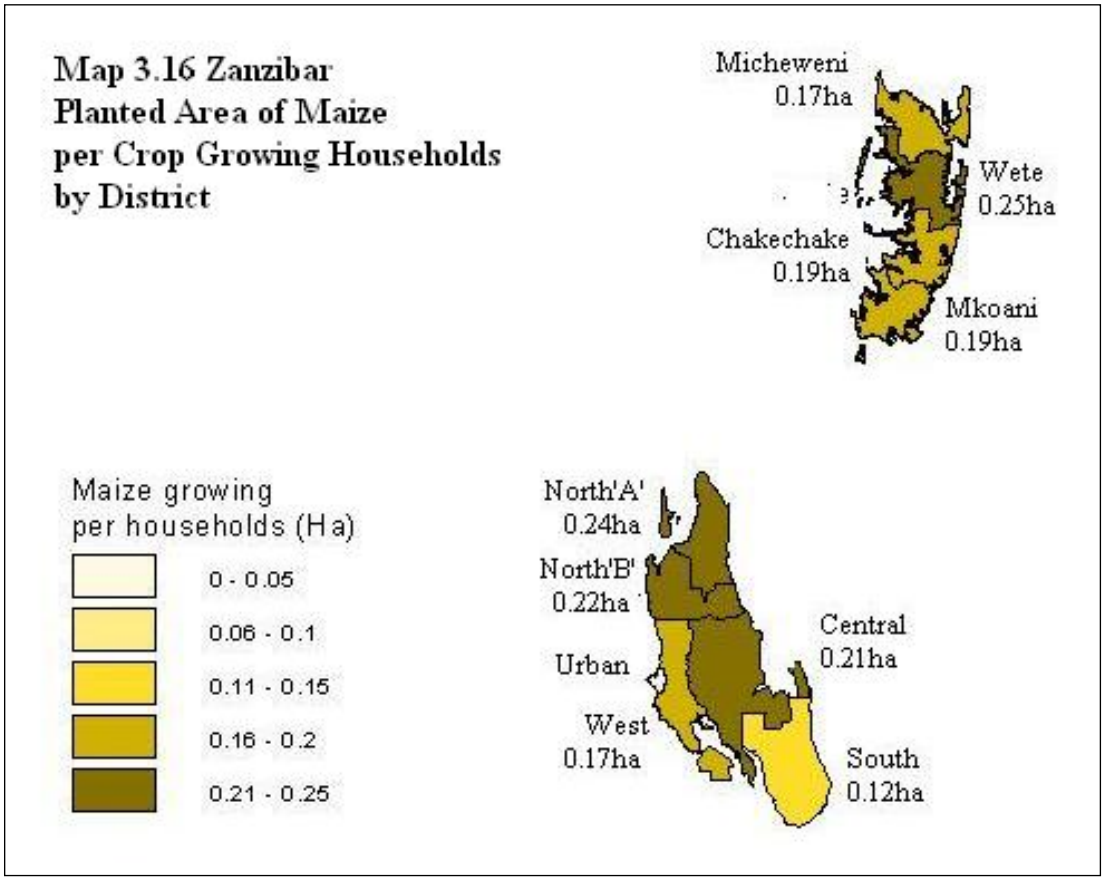


Map 3.14 Zanzibar
Planted Area(ha) and Yield(t/ha)
by District



Map 3.15 Zanzibar
Maize Area Planted as a
Percentage of Total Land Area
by District





3.3.5 Root and Tuber Crops Production

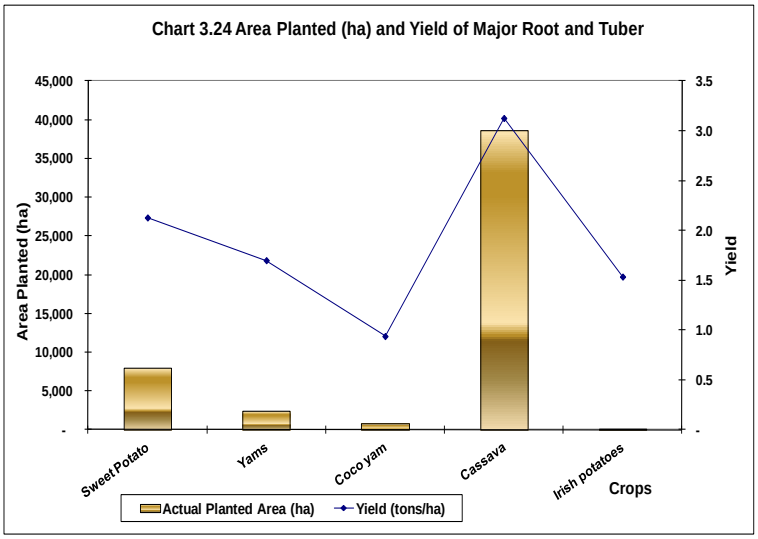
Root and tuber crops constitute a major group of annual crops produced in Zanzibar. All crops in this category were produced in both the short and long rainy seasons with variations in the areas planted and quantities harvested (Table 3.6). Compared to the situation in 2002/03, the actual total planted area with root and tuber crops has increased to 49,902 ha from 41,765 ha planted in 2002/03.

Table 3.6 Area Planted and Quantity Harvested by Season and Type of Root and Tuber Crop

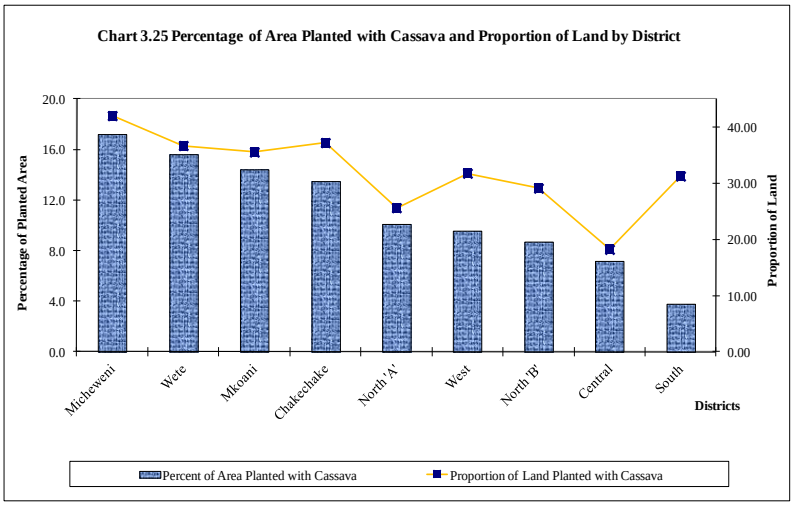
Crop	Season	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Cassava	Short Rain Season	0	0	0
	Long Rainy Season	38,663	120,911	3.13
Sweet Potatoes	Short Rainy Season	3,101	6,421	2.1
	Long Rainy Season	4,824	10,600	2.2
Irish Potatoes	Short Rainy Season	11	25	2.3
	Long Rainy Season	36	47	1.3
Yams	Short Rainy Season	1757	3084	1.8
	Long Rainy Season	674	970	1.4
Cocoyam	Short Rainy Season	392	397	1
	Long Rainy Season	445	389	0.9
Total	Short Rainy Season	5,261	9,927	
	Long Rainy Season	44,642	132,917	

However, as was the case in 2002/03, root and tuber crops were planted in both seasons of which 44,643 ha were planted during the long rainy season and 5,260 ha were planted during the short rainy season. Sweet potatoes, irish potatoes yams and cocoyams production are presented in both short and long rainy seasons while cassava productions are presented in long rainy season only. Its

data was reported on permanent crop inorder to avoid double counting. Cassava accounted for 78 percent of area planted with roots and tubers, followed by sweet potatoes 16 percent, yams 5 percent, cocoyams 2 percent and irish potatoes 0.1 percent. The annual production of roots and tubers was 142,691 tonnes of which cassava accounted for 84.7 percent, sweet potatoes 11.8 percent, yams 2.8 percent, cocoyam 0.6 percent and irish potatoes 0.1 percent (Table 3.6). Average yields across the two seasons (Chart 3.24) were highest for cassava (3.1 tons/ha) followed by Sweet Potatoes (2.1 tons/ha) and lowest was coco yam (0.9 tons/ha).

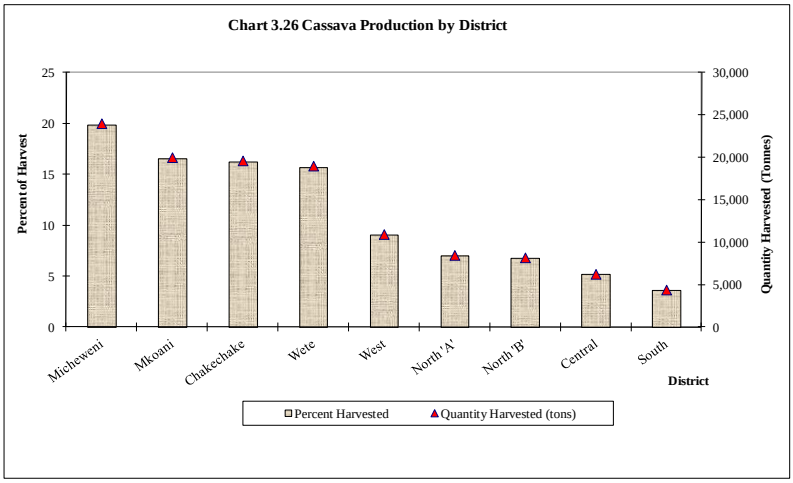


Generally, cassava was the most preference amongst the farmers, on the basis of land areas planted, productivity, and quantities harvested.

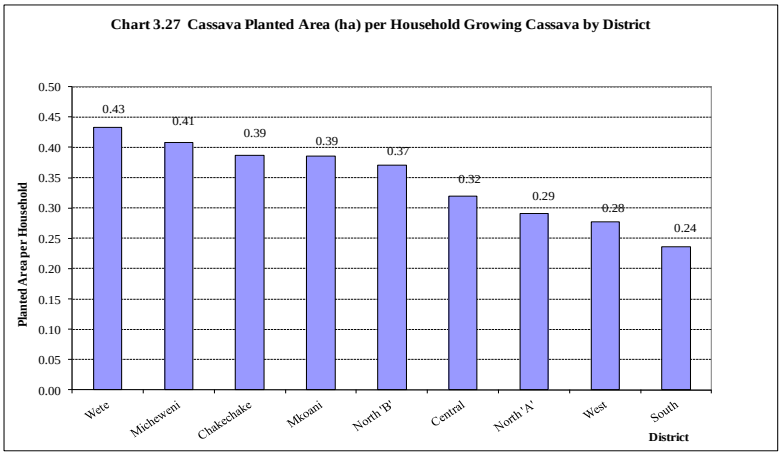


Cassava

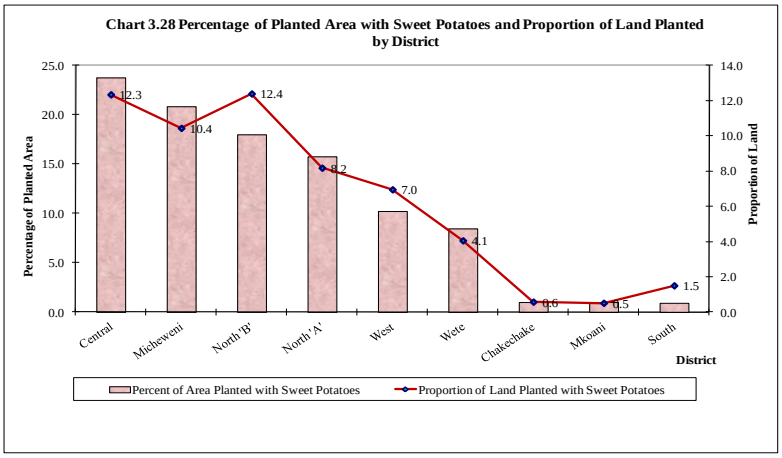
The actual planted area for cassava was 38,663 ha equivalent to 32 percent of the total planted area of 120,325 ha. Micheweni district had the largest planted area (6,643 ha, 17.2%) followed by Wete (6,043 ha, 15.6%) and Mkoani with 5,568 hectares or 14.4 percent . The remaining districts accounted for the area of less than 5300 hectares implying cassava to be the crop of choice for almost the entire farming community. The proportions of land planted with cassava was high in the districts of Micheweni



(42.0%) followed by Chakechake (37.2%), Wete (36.7%) and Mkoani (35.5%). Other districts accounted for less than 35 percent (Chart 3.25 and Map 3.18).



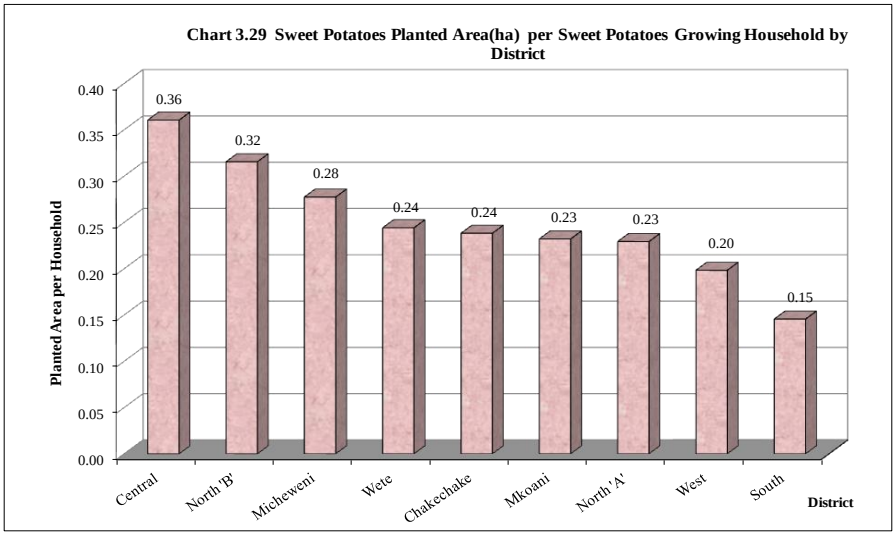
The number of households engaged in cassava production was highest in Micheweni district (16,294 households, 15%), followed by Mkoani (14,441 households, 13%) and Wete (13940 households, 12.8%). The three districts together accounted for 30.8 percent of the households engaged in cassava production (Maps 3.18 and 3.19). However, the largest harvested quantities were produced in Micheweni district (24,009 tons, 20%), followed by Mkoani (20,006 tons, 17%), Chakechake (19,623 tons, 16%) and Wete (19,007 tons, 16%). The remaining districts contributed to less than 10 percent of the cassava harvest (Chart 3.26).



The highest planted area per household was in Wete district (0.43 ha/household) followed by Micheweni with 0.41 ha/household (Chart 3.27). Planted areas per household were less than 0.4 hectare in the remaining districts.

Sweet Potatoes

Sweet potatoes was the second most important crop amongst the roots and tubers crops in terms of land area planted, the number of households producing the crop and the quantities



harvested. The crop was planted on 7,924 hectares compared to the 5,231 hectares recorded in 2002/03, (Chart 3.28 and Map 3.21). Central district had the largest area (1,884 ha) and also the largest percentage of planted area under sweet potatoes (23.8%) followed by Micheweni (1,652 ha, 20.8% of planted area), North "B" (1,429 ha, 18% of planted area) and North 'A' (1,249 ha, 15.8% of the planted area) (Chart 3.28, Map 3.22).

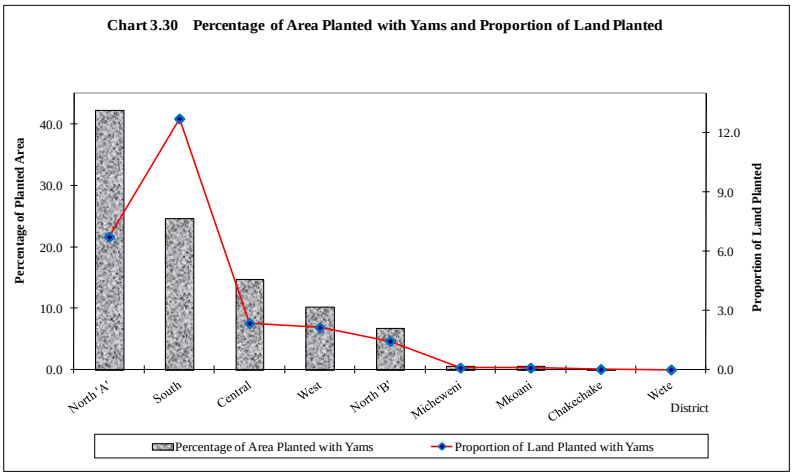
The total number of households that planted sweet potatoes (29,166) was equivalent to about 22.4 percent of the total 130,353 crop growing households spread across the islands. The largest number of households producing sweet potatoes was in Micheweni district (5,957) which accounted for 20.4 percent of the households engaged in the production of sweet potatoes in Zanzibar. Other districts with similarly large numbers of households producing sweet potatoes were North 'A' (5,450 ha, 18.7%), Central (5,228 ha, 17.9%), North 'B' (4,530 ha, 15.5%) and West (4,042 ha, 14%). Other districts accounted for 13.4 percent of the households that planted sweet potatoes.

Planted area per household (Chart 3.29) was highest in Central (0.36 ha per hh), followed by North 'B' (0.32 ha per hh) and Micheweni (0.28 ha). In all other districts, the planted areas per household were equal or less than 0.25 ha per household and was lowest in South (0.15 ha per hh).

Yams Production

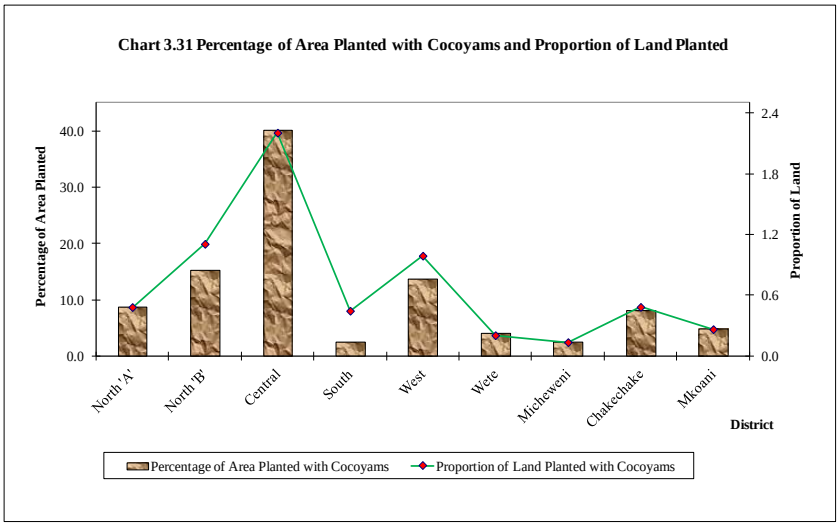
Yams were planted in all the districts except Wete but on a limited land area (2, 431 ha) equivalent to 2 percent of the total (120,325 ha) planted area of which 1,984 ha (81.6%) of the planted area was in three districts (North 'A', South and Central) indicating limited production in the other remaining districts (Chart 3.30). North 'A' district was particularly important for yam production as 42.2 percent of the planted area (1,027 ha) was in this district followed by South with 24.6 percent (599 ha), Central with 14.8 percent (359 ha), West with 10.2 percent (249 ha), and North 'B' with 6.8 percent (166 ha) of land area planted with the crop. Much smaller land areas were planted with yams in Mkoani and Micheweni with Chakechake district having the smallest planted area (3 ha). There were no records of planted area with yams in Wete district.

Chart 3.30 Percentage of Area Planted with Yams and Proportion of Land Planted



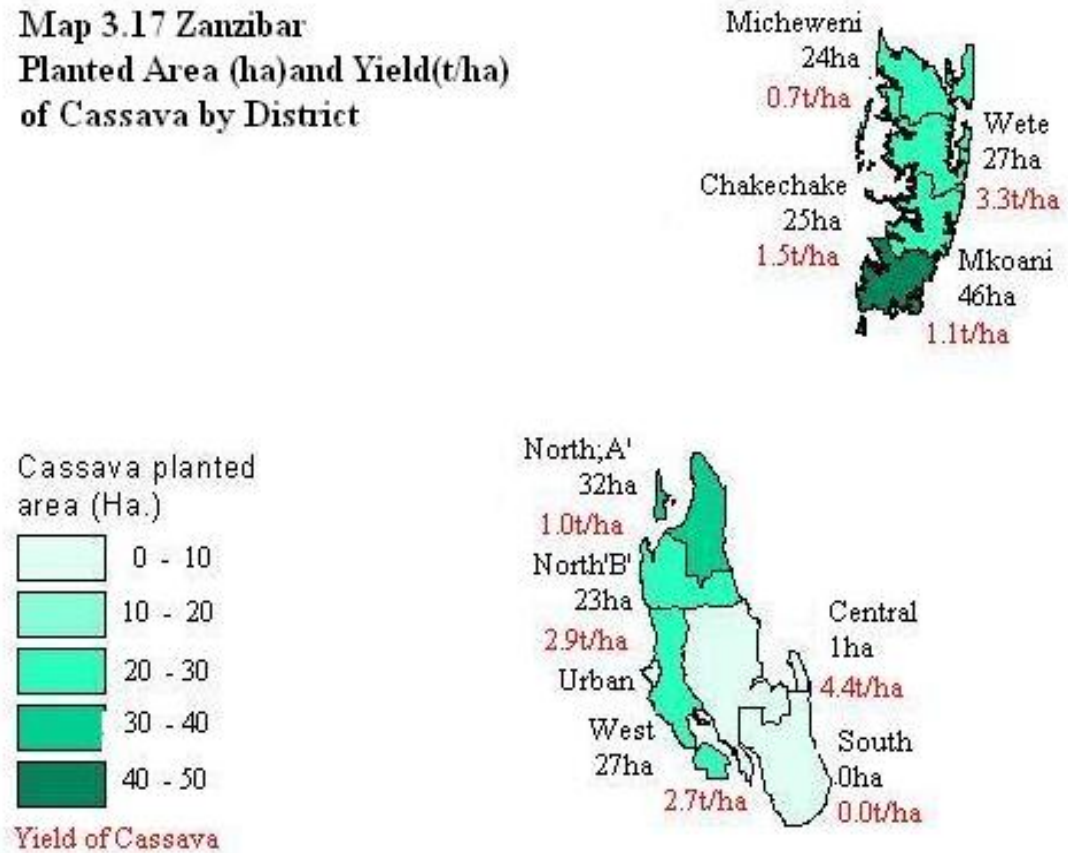
Cocoyam Production

Cocoyams were planted in all the districts but the total area planted was only 838 ha (0.7% of the total planted area). The three districts of Central, North 'B' and West together accounted for 69.1% (578.7ha) of the planted area and Central district alone had 336.2 ha (40.1% of the total planted area) (Chart 3.31). The leading districts were Central district with (336 ha, 40.1%) followed by North 'B' (127.5 ha, 15.2%) and West (115 ha, 13.7%) with the other remaining districts having much smaller areas planted with cocoyams. Generally, the proportion of land allocated to cocoyams was very low in all districts, but followed a similar trend to the actual planted area. Central district had the highest percentage (4.7%), followed by West (2.5%), North 'B' (2.1%) and Chakechake (1.2%). Micheweni district had the smallest proportion (0.3%) of the total planted area allocated to cocoyams (Chart 3.31).

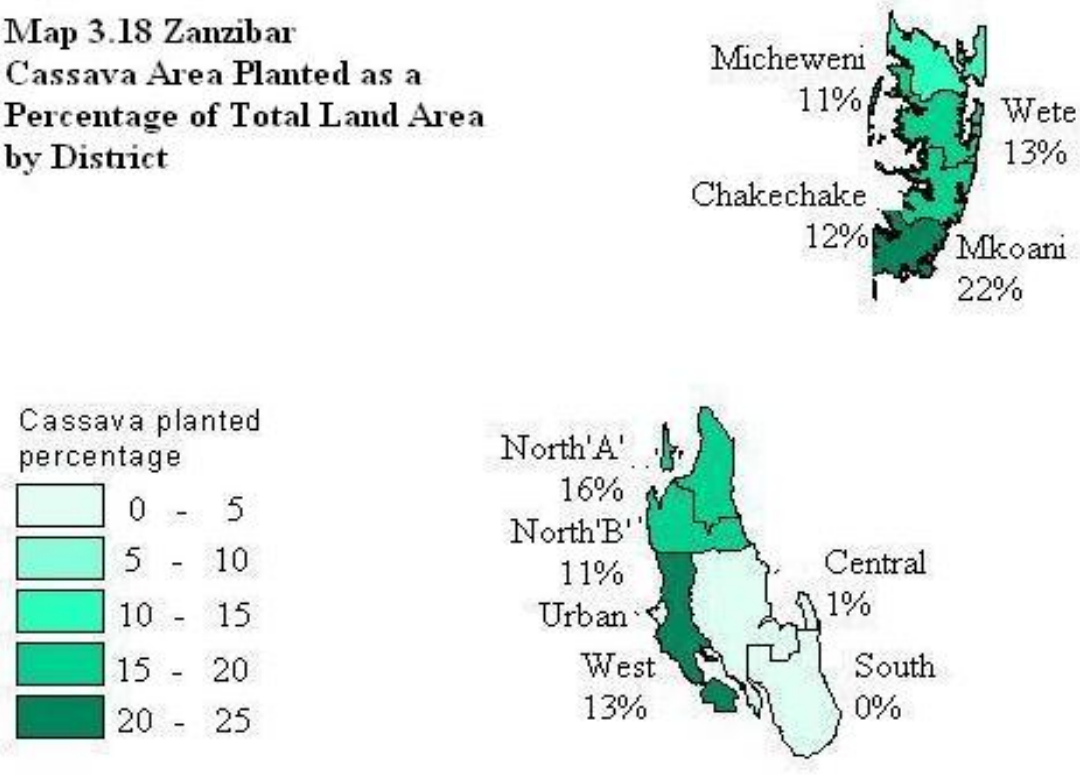


Other districts with similarly large numbers of households producing the crop were North 'A' (441 households, 8.8%), Central (1,763 households, 35 %), North 'B' (738 households 14.6 %), West (848 households, 16.8%), Micheweni (204 households, 4.1%). Planted area per household was highest in Chakechake (0.24 ha) followed by Central (0.19 ha), North 'A' (0.17 ha), North 'B' (0.17 ha), West (0.14 a), South (0.13 ha), Mkoani (0.11ha) and Micheweni (0.11ha).

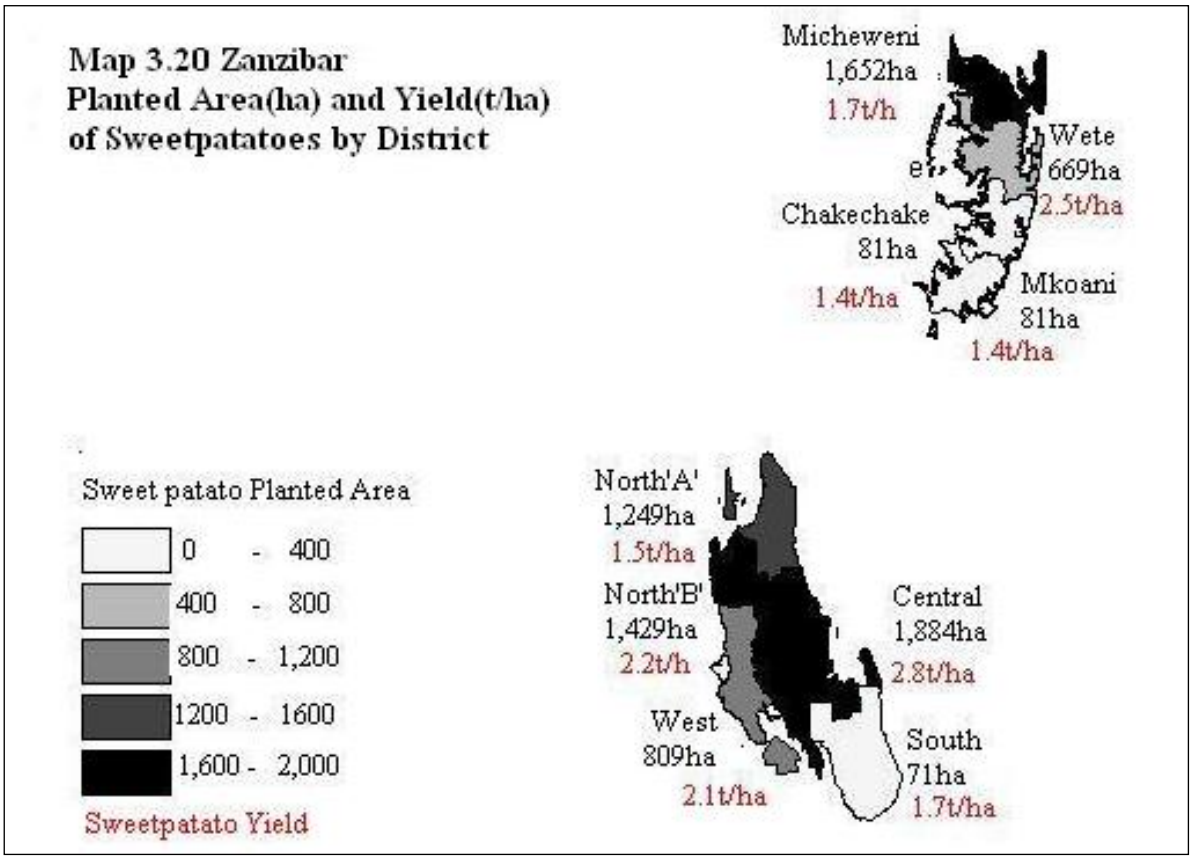
Map 3.17 Zanzibar
Planted Area (ha)and Yield(t/ha)
of Cassava by District



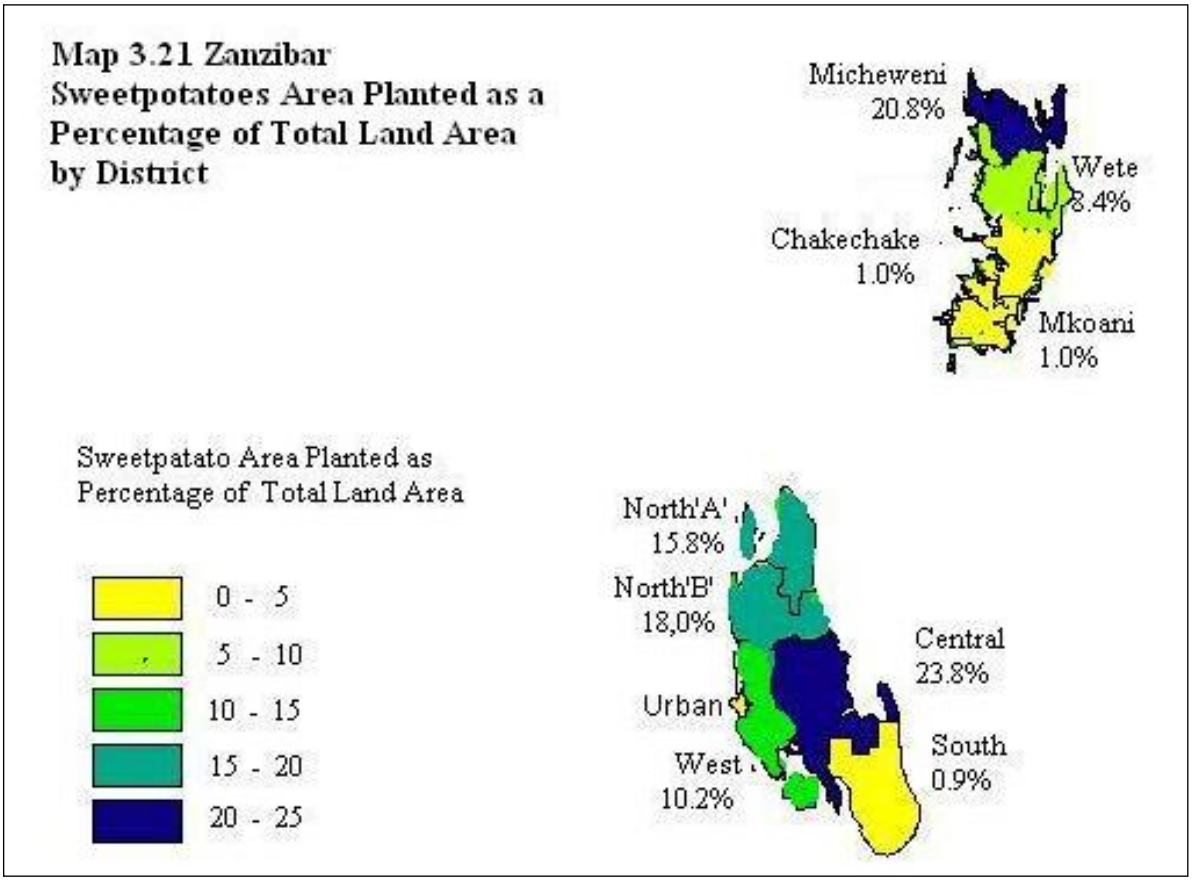
Map 3.18 Zanzibar
Cassava Area Planted as a
Percentage of Total Land Area
by District



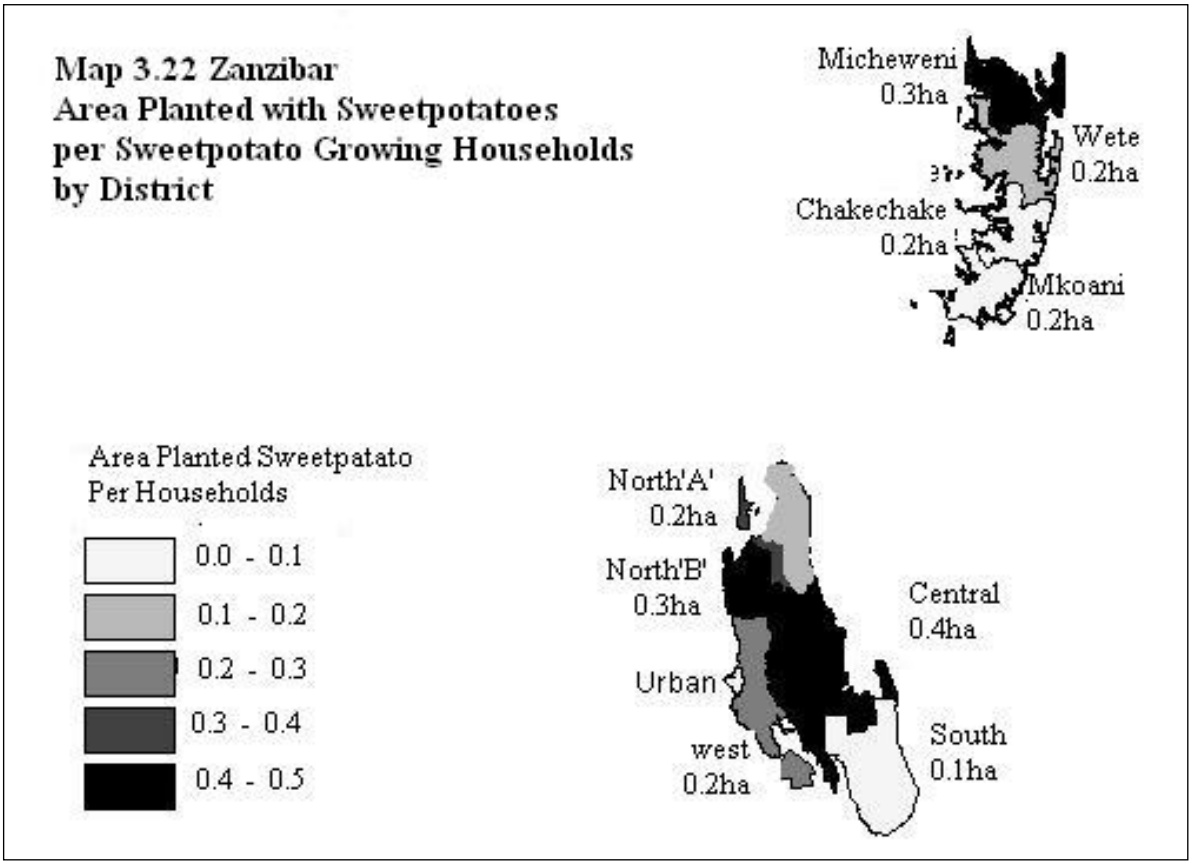
Map 3.20 Zanzibar
Planted Area(ha) and Yield(t/ha)
of Sweetpatatoes by District



Map 3.21 Zanzibar
Sweetpotatoes Area Planted as a
Percentage of Total Land Area
by District



Map 3.22 Zanzibar
Area Planted with Sweetpotatoes per Sweetpotato Growing Households by District



3.3.6 Pulses

The recorded pulse crops were beans, cowpeas, green grams and bambaranuts (Table 3.9) which were planted mostly during the short rainy season (1,385 ha or 62.6%) as compared to the long rainy season (826 ha or 37.4%). Cowpeas were the most popular pulse crop planted on the largest area for the two seasons combined (1,495 ha, 67.6%) and contributed the largest quantities of harvested pulses (758 tons, 59.7%) compared to all other pulse crops (Table 3.7 and Chart 3.32). The only other pulse crop that was planted to a considerable extent was green gram (609 ha, 27.5% of the planted area) which contributed 469 tons over the two seasons equivalent to about 37% of the total harvested pulses. Beans and bambaranuts were much less important pulse crops that were planted on very small areas with a total of 81 ha for beans and 26 ha for bambaranuts.

Yields for pulses were highest for green gram (0.77 tons/ha) followed by bambaranuts (0.68 tons/ha) and cowpeas (0.51 tons/ha). The lowest yield was for beans (0.29 tons/ha). These yield levels generally reflect a very low level of productivity pulse crops.

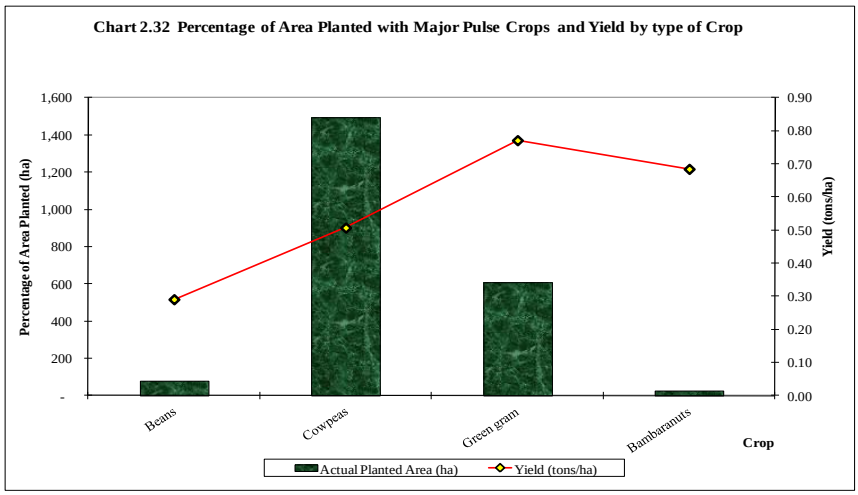
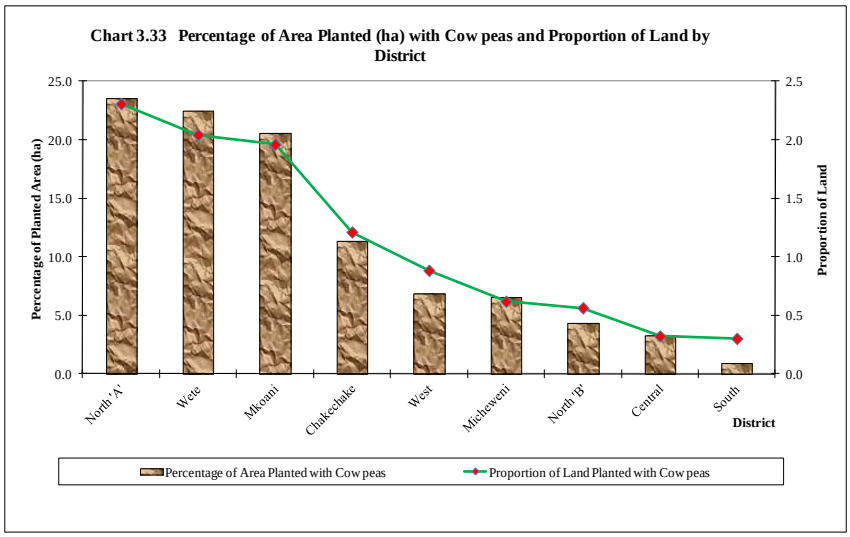


Table 3.7 Area Planted and Quantity Harvested by Season and Type of Pulse Crop

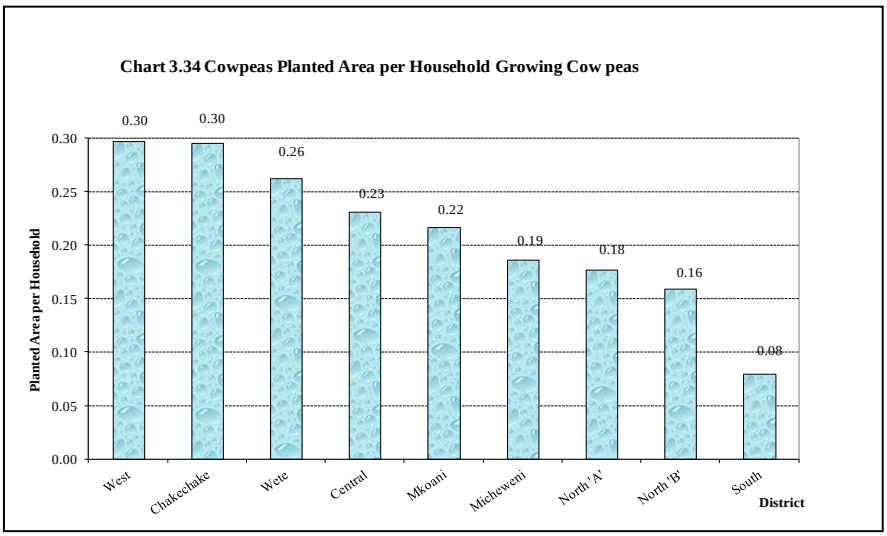
Crops	Season	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Beans	Short Season	24	10	0.40
	Long Season	57	14	0.24
Cowpeas	Short Season	1,052	567	0.54
	Long Season	443	191	0.43
Green gram	Short Season	283	338	1.19
	Long Season	326	131	0.40
Bambaranuts	Short Season	26	17	0.68
	Long Season	0	0	0.00
Total	Short Season	1,384.36	931.96	
	Long Season	825.48	336.57	

Cowpeas Production



Cowpeas was planted in all the districts but predominantly in four districts (Chart 3.34) which together accounted for 78% of the planted area divided between North 'A' (352 ha, 23.6%), Wete (336.4 ha, 22.5%), Mkoani (307.3 ha, 20.6%) and Chakechake (169.5 ha, 11.3%). Areas planted with cowpeas in the other remaining districts were much smaller with South district having the smallest planted area of 14.2 ha (1.0%). Generally, however, cowpea is a minor crop as it occupied very small proportions of the planted area, the largest being 2.3 ha in North 'A', followed by Wete and Mkoani each with 2 ha, and Chakechake with 1.2 ha. The districts had the proportion of less than one, the smallest proportion being 0.3 ha in South district (Chart 3.33).

A total of 6,928 households planted cowpeas with North 'A' district having the largest number of cowpeas growing households (1,985, 28.6%), followed by Mkoani (1,419, 20.5%), Wete (1281, 18%), Chakechake (574, 8.3%) and Micheweni (526, 7.6%). North 'B', West, Central and South districts had the smallest number of households growing cowpeas.

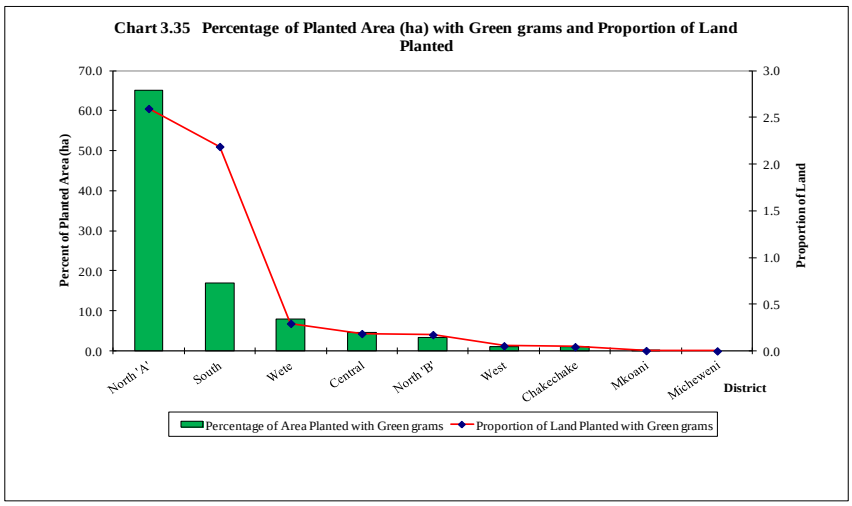


The average planted area per household was small in all the districts (Chart 3.34). The highest planted area per household were found in both West and Chakechake districts each with 0.30 ha/households followed by Wete (0.26 ha), Central (0.23 ha) and Mkoani (0.22 ha). Micheweni, North

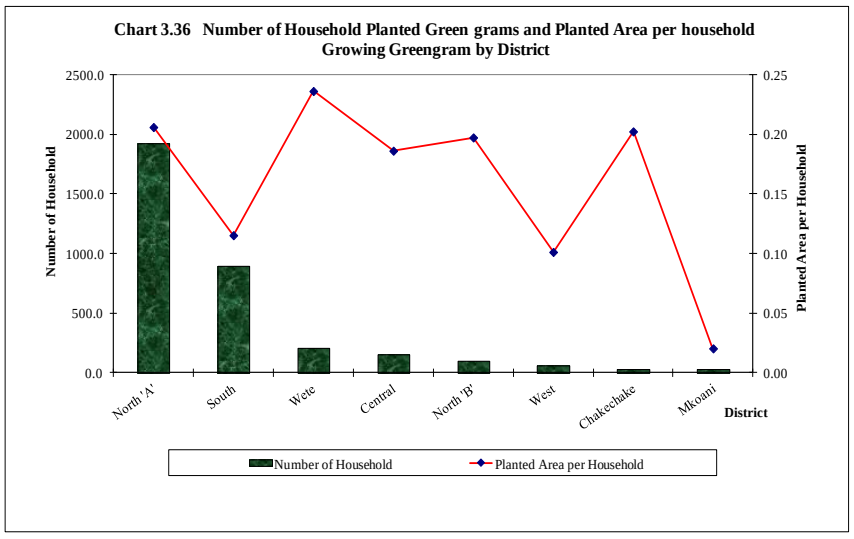
'A', and North 'B', were in the second tier with 0.19, 0.18, and 0.16 ha/household respectively. South district had the lowest planted area with 0.08 ha per household.

Green grams

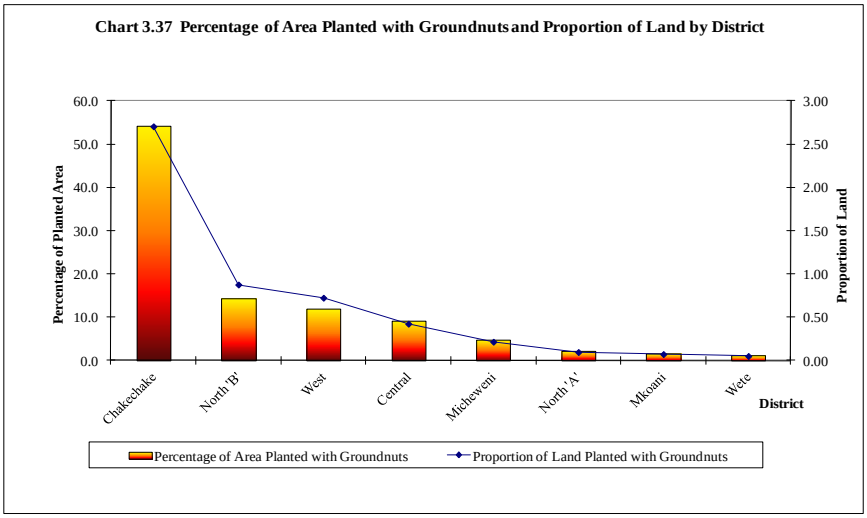
In the overall, green grams occupied very small proportions of the planted area (Chart 3.35), the highest being 2.6% (North 'A') followed by South district with 2.2% and Wete (0.3%). In North 'A' district, the crop was planted on 396 ha (65% of the planted area), followed by South district (103 ha, 16.9%) and Wete (48.4 ha, 8.0%). The three districts combined accounted for 89.9% of the planted area. Except for Micheweni where green grams were not planted at all, in all other districts, the planted area was less than 30 ha and was smallest in Mkoani with only 0.5 ha or 0.1% planted with green grams (Chart 3.35).



A total of 3,395 households planted green grams (Chart 3.36) with North 'A' district having the largest number of households that planted green grams (1,922 households, 56.6%), followed by South (893 households, 26.3%), Wete (205, 6%), The remaining districts accounted for less than 5 percent of the total household growing green gram.



The average planted area per household was small in all districts that planted the crop (Chart 3.36). The highest planted area per household was in Wete district (0.24 ha/hh), followed by North 'A' (0.21ha/hh), North 'B" and Chakechake each with 0.20 ha/hh, Central (0.19 ha), South (0.12 ha), and West (0.10 ha). The smallest area planted per households was recorded in Mkoani district (0.02 ha).

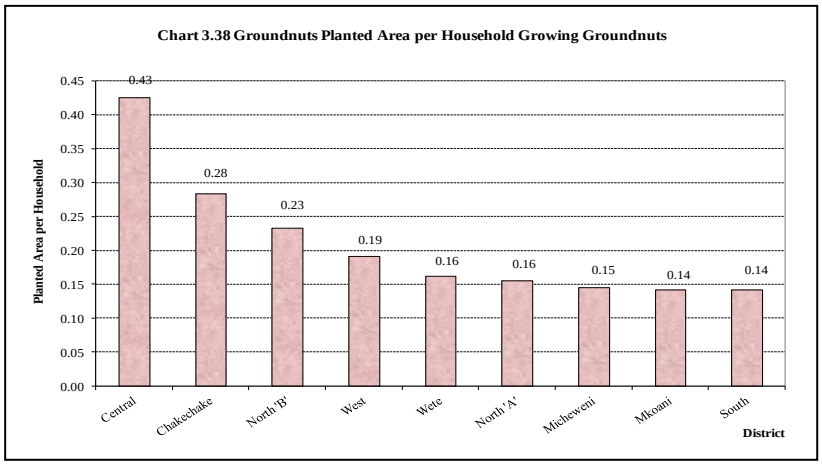


Generally, the green grams were comparatively less popular than cowpeas. The situation was indicative of green gram not being given priority in land allocation and therefore constituted a minor crop.

3.3.7 Groundnuts

Chakechake district had the largest planted area and proportion (378 ha, 54.1%) of land under groundnuts followed by North 'B' (101 ha, 14.4%) and West (84.2 ha, 12%) while South (2.3 ha, 0.3%) had the lowest of area planted with groundnuts. Similarly, the districts with the highest proportion of land planted with groundnuts were Chakechake (2.7 ha), North 'B' (0.88 ha) West (0.72 ha). The proportions of land for other districts was less than 0.5 ha (Chart 3.37).

Moreover, with respect to planted area per household growing groundnuts, the districts with the highest planted area per household were Central (0.43 ha), followed by Chakechake (0.28 ha), North 'B' (0.23 ha). On the other hand, South and Mkoani districts each had the smallest (0.14 ha) planted area per household of growing groundnuts (Chart 3.38).



3.3.8 Fruits and Vegetables

In this section various fruits and vegetables including tomatoes, egg plant, and water melon are discussed. A total of 1,987 ha and 1,960 ha were planted with fruits and vegetables during the short and long rainy seasons respectively. Also, 9,483 tons and 9,187 tons were harvested during the short and long rainy seasons respectively. A larger area was planted with fruits and vegetables during the short rainy season than in the long rainy season. Similarly, more fruits and vegetables were harvested during the short rainy season than the long rainy season. Tomatoes accounted for the largest area planted with fruits and vegetables followed by other fruits and vegetable and egg plant while the smallest area was planted with water melon. Of all the fruits and vegetables, pumpkins had the highest yield (8.78 ton/ha) followed by egg plant (6.10 ton/ha), and bitter aubergine (5.51 ton/ha) while radish recorded the lowest yield (0.41 ton/ha) (Charts 3.39, Table 3.8).

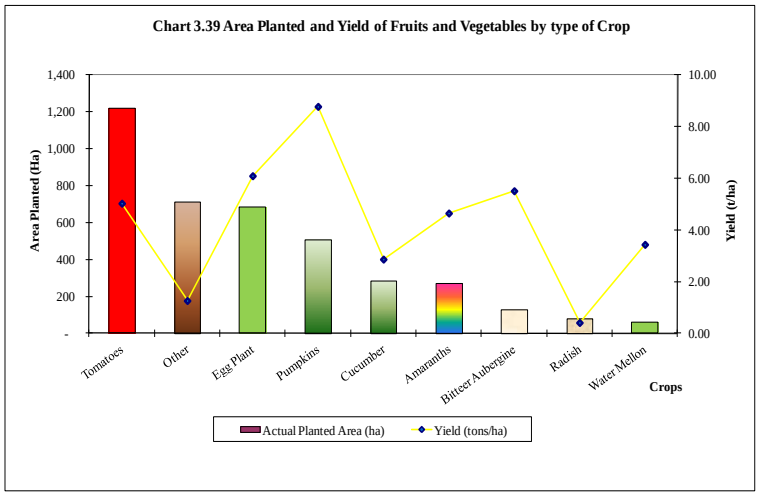
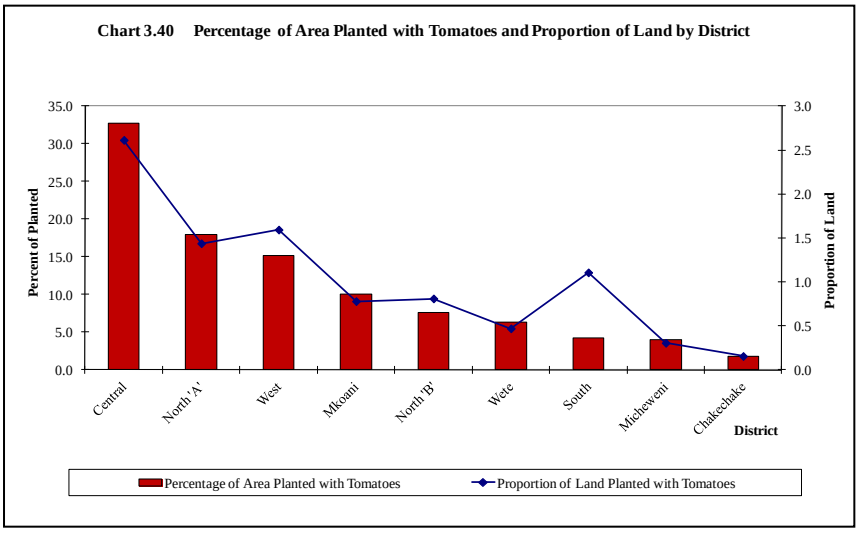


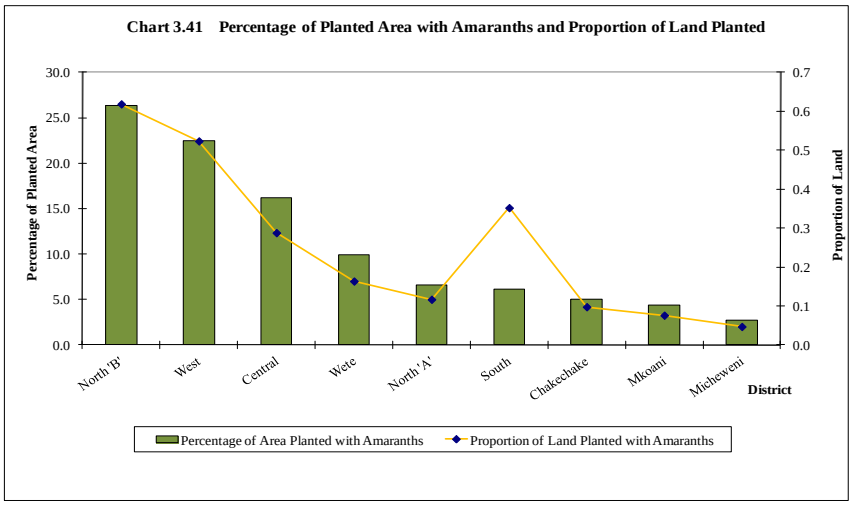
Table 3.8: Area Planted and Quantity Harvested by Rainy Season and Type of Fruits and Vegetable Crop

Crop	Season	Actual Planted Area (ha)	Quantity harvested (tons)	Yield (tons/ha)
Tomatoes	Short Rainy Season	678	2,798	4.6
	Long Rainy Season	609	3,343	4.1
Amaranthus	Short Rainy Season	177	723	4.1
	Long Rainy Season	94	535	5.7
Cucumber	Short Rainy Season	191	572	3
	Long Rainy Season	95	247	2.6
Egg Plant	Short Rainy Season	343	1,542	4.5
	Long Rainy Season	340	2,619	7.7
Pumpkins	Short Rainy Season	261	2,669	10.2
	Long Rainy Season	245	1,774	7.2
Reddish	Short Rainy Season	33	21	0.6
	Long Rainy Season	47	12	0.3
Bitter Aubergine	Short Rainy Season	67	432	6.4
	Long Rainy Season	62	277	4.5
Water Melon	Short Rainy Season	39	114	2.9
	Long Rainy Season	20	89	4.5
Other	Short Rainy Season	265	611	2.3
	Long Rainy Season	449	292	0.6

Tomatoes

The total area planted with tomatoes was 1,220.6 ha. Central district had the largest area planted with tomatoes (399 ha) accounting for 32 percent of the total area planted with tomatoes, which was about twice the area of the second district, namely North 'A' (220 ha, 18%), West (185 ha, 15.2%), and Mkoani (122 ha, 10%). On the other hand, Micheweni district had the eighth highest percentage of area planted with tomatoes (49 ha, 4.0%). Chakechake district had the lowest percentage of area planted with tomatoes (22 ha, 1.8%). The highest proportion of land planted with tomatoes was found in Central district (2.6 ha), followed by West district (1.6 ha) and North 'A' (1.4 ha) whereas Chakechake district, had the lowest proportion of land planted with the crop (0.2 ha) (Chart 3.40 and Map 3.23).



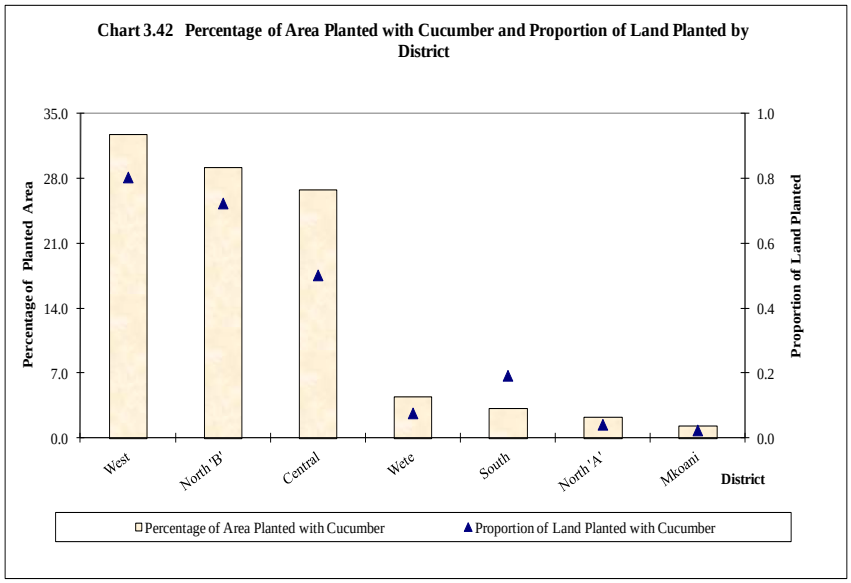


Amaranthus

A total of 271 ha of the area was planted with Amaranths. North 'B', West and Central accounted for 65.1% (26.4%, 22.5% and 16.2%) of the area planted with the crop respectively. In the overall, the three accounted for more than a half of the area planted with the crop. The third largest area planted with this crop was found in Central district (43.9 ha, 16.2%). The proportion of Land planted with amaranths was high North 'B'(0.6 ha) followed by West (0.5), South (0.4), Central (0.3) and Wete (0.2). Other districts accounted for less than 0.2 ha.

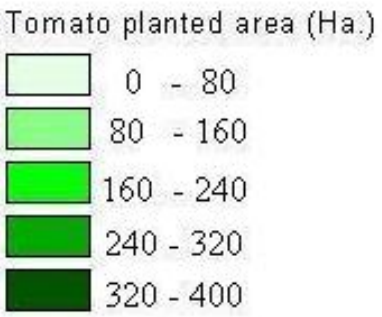
Cucumber

A total of 285.6 ha were planted with cucumber. The distribution of the area planted with cucumber shows that West and North 'B' districts accounted for about 62% of the total area planted with the crop. The other districts with the highest percentage of the area planted with cucumber were Central (76.7 ha, 26.8%). Moreover, Mkoani district had the lowest area planted with cucumber (3.8. ha, 1.3%).

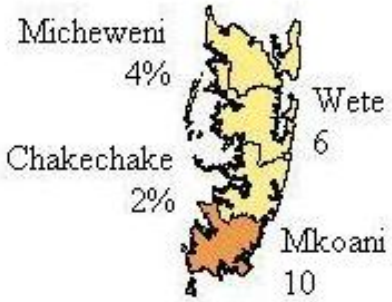


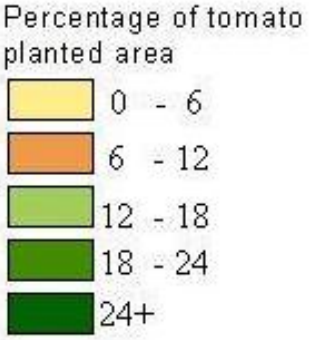
The proportion of land planted with cucumber for all district was very small. West district had the highest proportion of the area planted with cumber (0.8 ha), followed by North 'B' (0.7 ha) and Central (0.5 ha) while the other districts (Wete, Mkoani, South and North 'A') had the lowest proportion of the area planted with the crop. The survey did not capture data for cucumber in Chakechake and Micheweni districts (Chart 3.42 and Map 3.29)

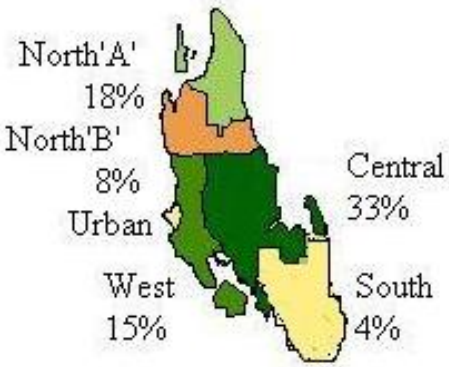
Map 3.23 Zanzibar
Planted Area(ha)and Yield(t/ha)
Tomatoes by District



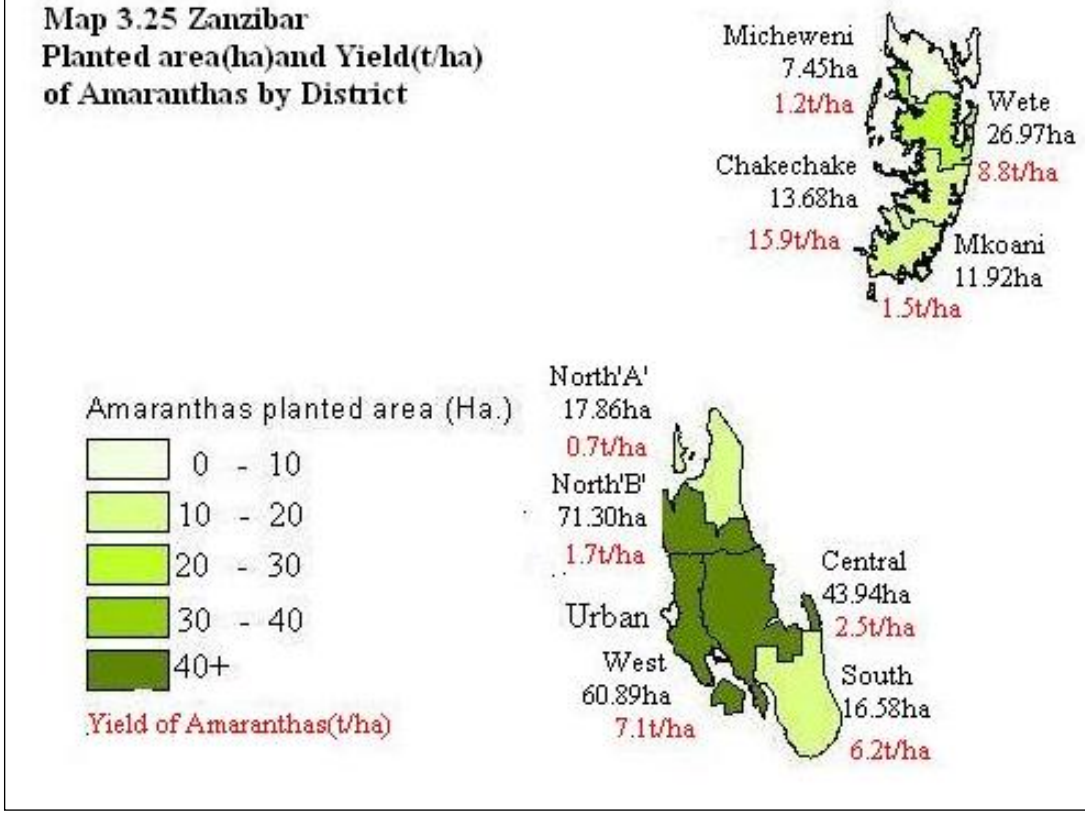
Map 3.24 Zanzibar
Tomatoes Area Planted as a
Percentage of Total Land Area
by District



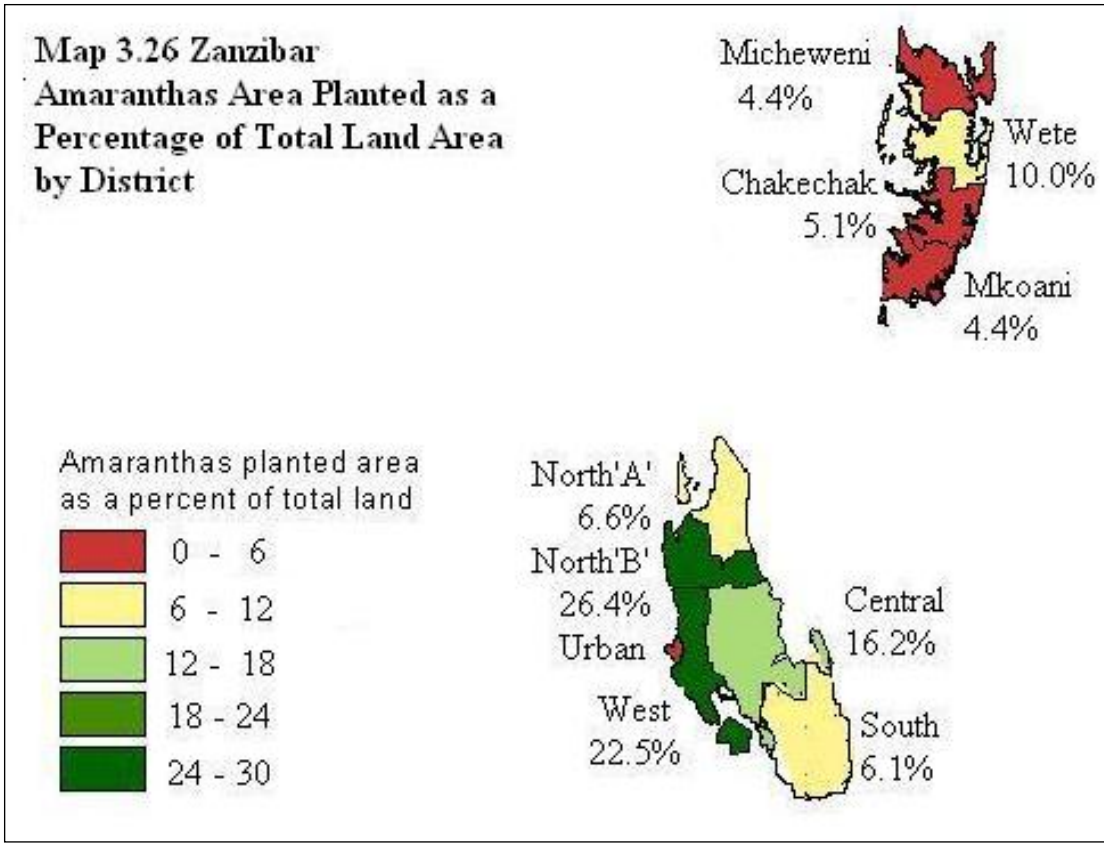




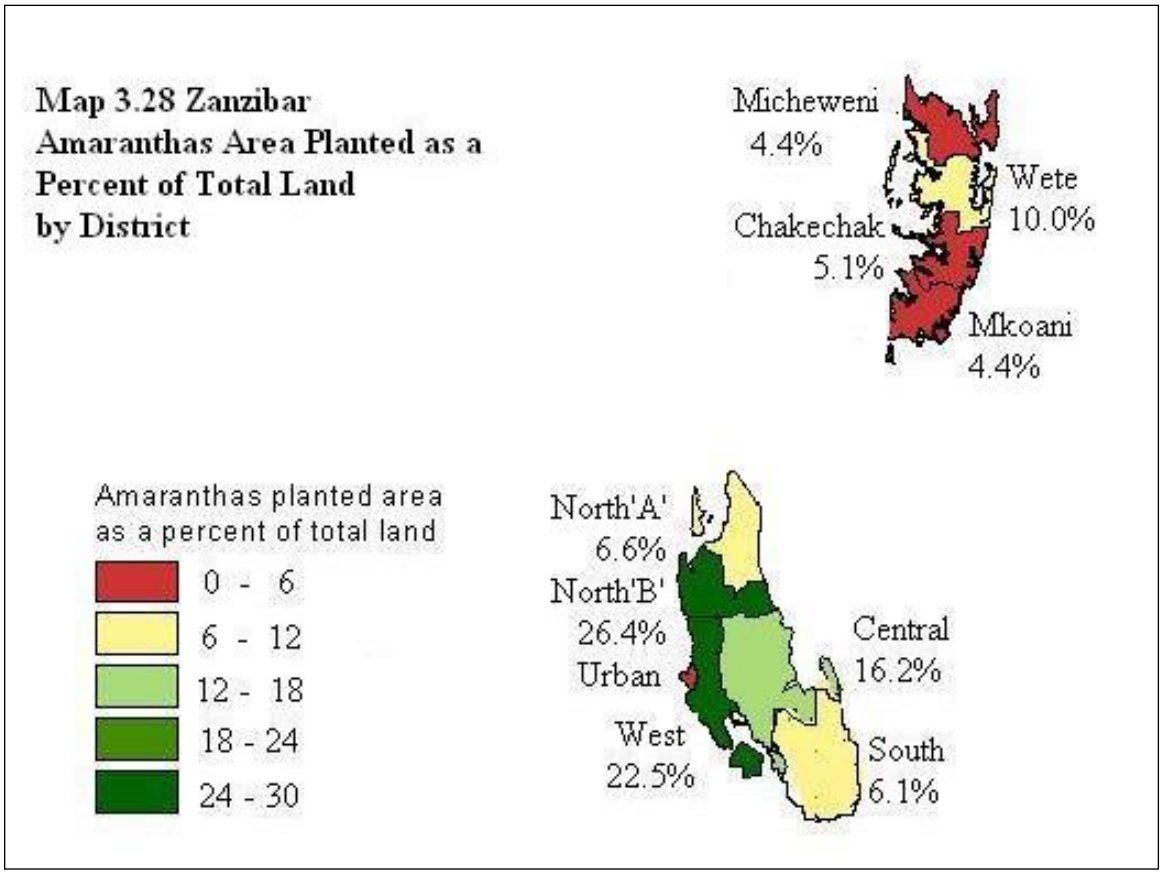
Map 3.25 Zanzibar
Planted area(ha)and Yield(t/ha)
of Amaranthas by District



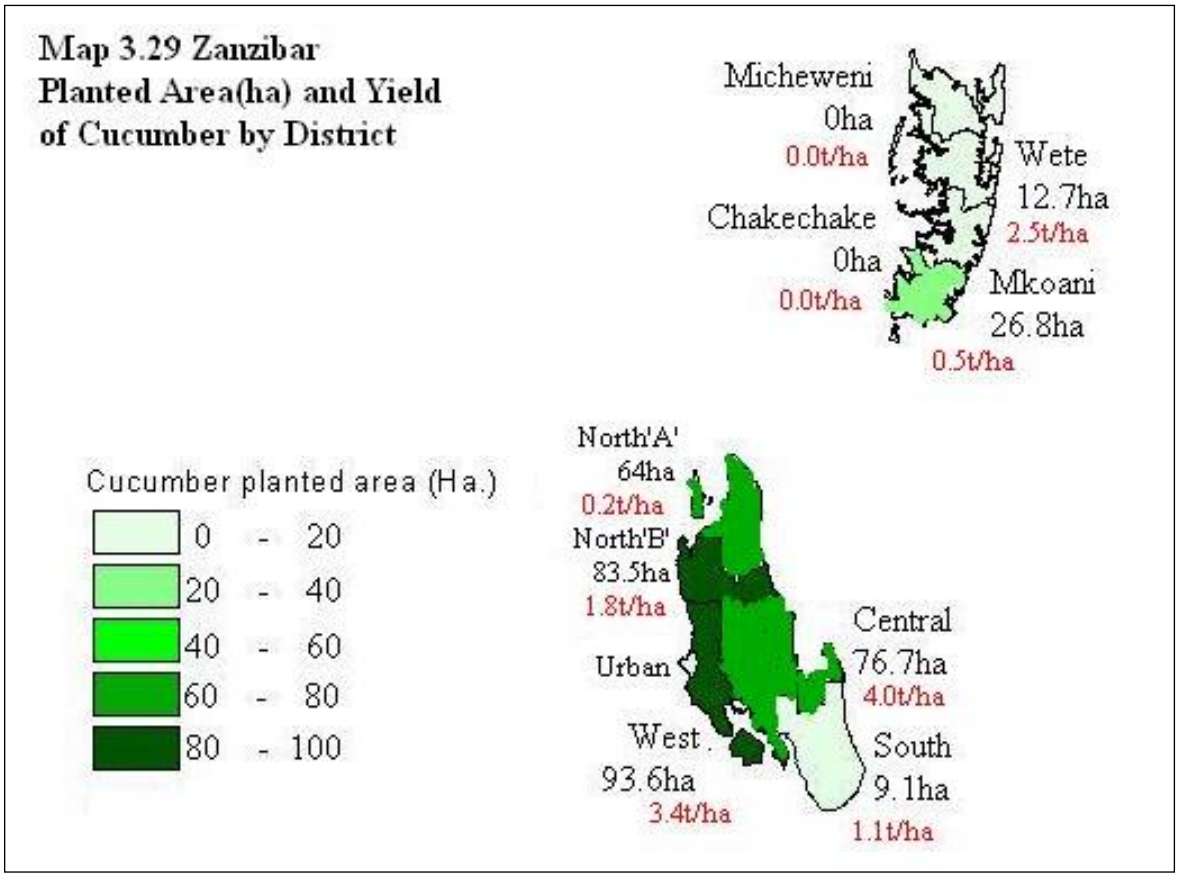
Map 3.26 Zanzibar
Amaranthas Area Planted as a
Percentage of Total Land Area
by District



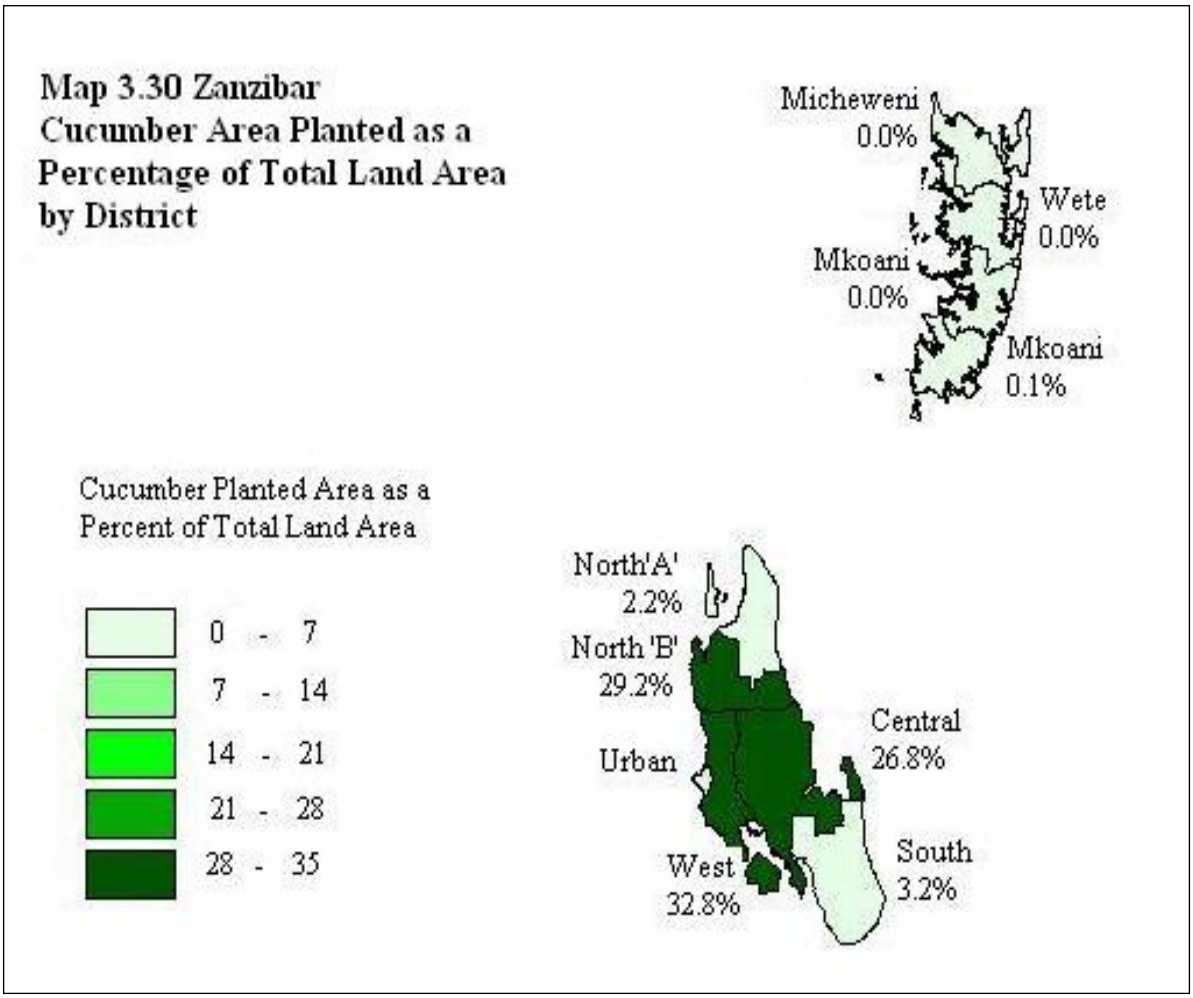
Map 3.28 Zanzibar Amaranthas Area Planted as a Percent of Total Land by District



Map 3.29 Zanzibar Planted Area(ha) and Yield of Cucumber by District

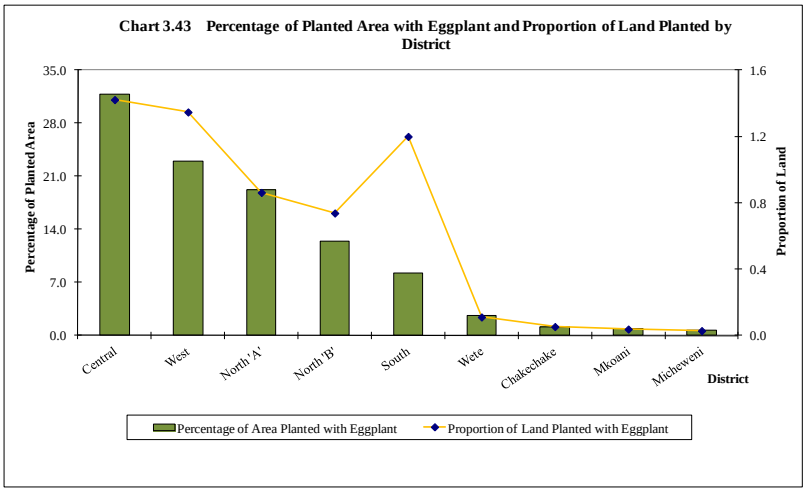


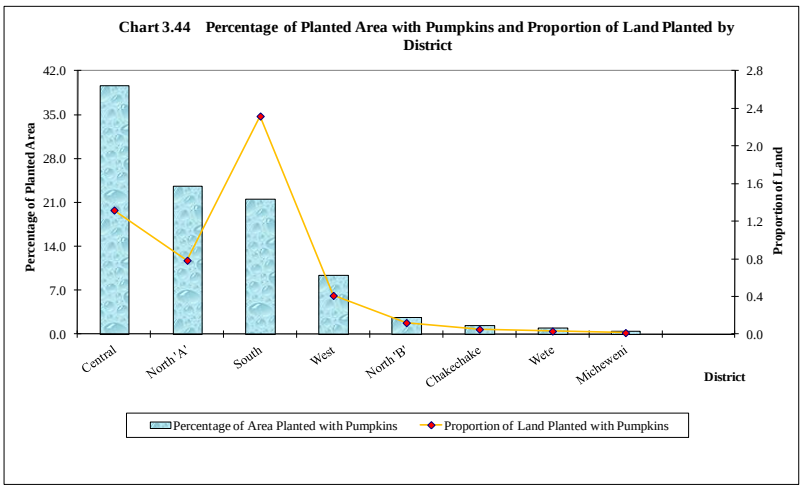
Map 3.30 Zanzibar Cucumber Area Planted as a Percentage of Total Land Area by District



Egg plant

Central district had the highest percentage of area planted with egg plant (31. 8%) followed by West (22.9%), and North 'A' (19.3%). The district with the lowest percentage of area planted with the crop was Micheweni (0. 7%). In terms of proportion of total land area planted with egg plant, the district with the highest proportion was Central (1.4 ha) followed by West (1.4 ha), South (1.2 ha). The lowest proportion of total land planted with egg plant was recorded in Mkoani (0.04) and Micheweni (0.03) districts (Chart 3.43).





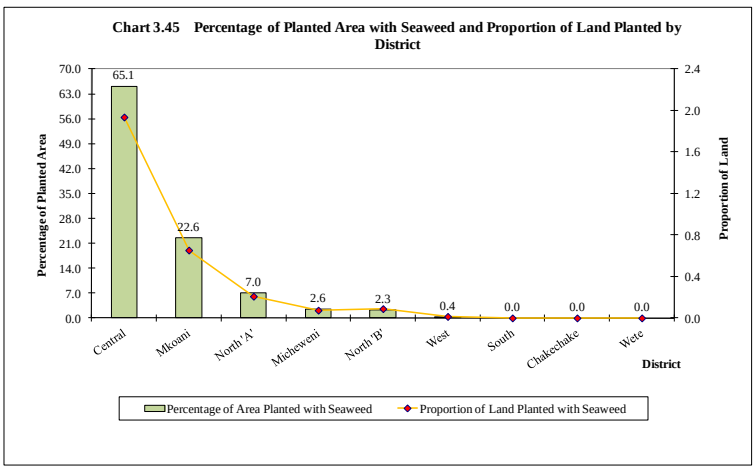
Pumpkins

The largest areas planted with pumpkins were recorded in Central (201 ha, 39.7%), North 'A' (120 ha, 23.6%) and South (109 ha, 21.5%). On the other hand, Micheweni district had the smallest area planted with pumpkins. However, the highest proportion of total land planted with pumpkins was found in South district (2.3 ha), followed by Central district (1.3 ha), and North 'A' (0.8 ha). Moreover, the lowest proportion was recorded in Micheweni district (0.01 ha) (Chart 3.44).

3.3.9 Cash Crop Production

Seaweed

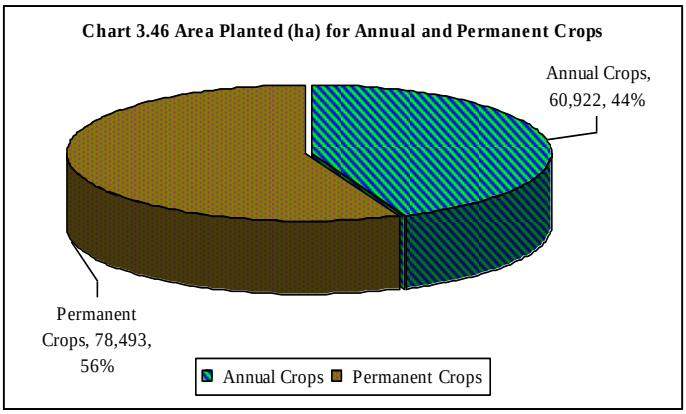
Seaweed was largely produced in Central district (295 ha, 65.1%), followed by Mkoani (102 ha, 22.6%), North 'A'(32 ha, 7.0%), Micheweni (12

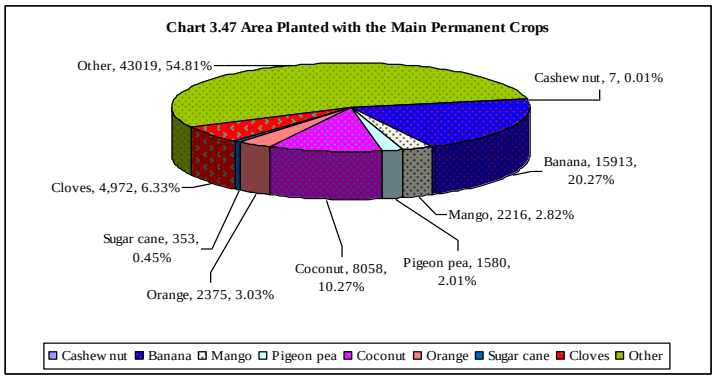


ha, 2.6%), North 'B' (10 ha, 2.3%), and the lowest was West (2 ha, 0.4 %). On the other hand, Wete, Chakechake and South districts recorded no production of the crop. The highest proportion of total land planted with seaweed was reported in Central district (1.9 ha) followed by Mkoani (0.65 ha), and North 'A' (0.21 ha) (Chart 3.45).

3.4 Permanent Crops

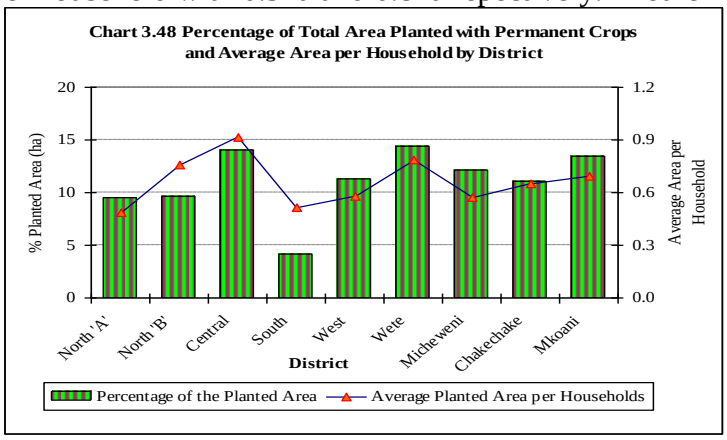
Permanent or perennial crop refer to crops that normally take over a year to mature and once matured can take a number of years being periodically harvested. Cassava, sugarcane and bananas are in a sort of transition between annual and perennial crops. For example, there are improved varieties of cassava that mature within a year and produce only one harvest. But there are other varieties of cassava that take more than 12 months before they are harvested. In this report, cassava is treated as an annual crop while bananas and sugarcane are treated as perennial crops. More than half of the area (78,493 ha, 56%) was planted with permanent crops while annual crops accounted for 44 percent (60,922 ha) of the area planted with both annual and permanent crops. However, the area planted with annual crops is not the actual physical land area as it includes all the areas of crops planted more than once on the same land, whilst the area planted with permanent crops is the same as physical planted land area. Therefore the percentage of physical area planted with permanent crops could be higher than that indicated in Chart 3.46,





As indicated in Chart 3.47, the largest area (43,019 ha, 55%) was planted with other crops followed by banana (15,913 ha; 20%), and coconut (8,058 ha; 10%). The remaining area was planted with mango (2,216 ha, 3%), orange (2,375 ha, 3%), pigeon pea (1,580 ha, 2%), and cashewnut (7 ha, 0.01%).

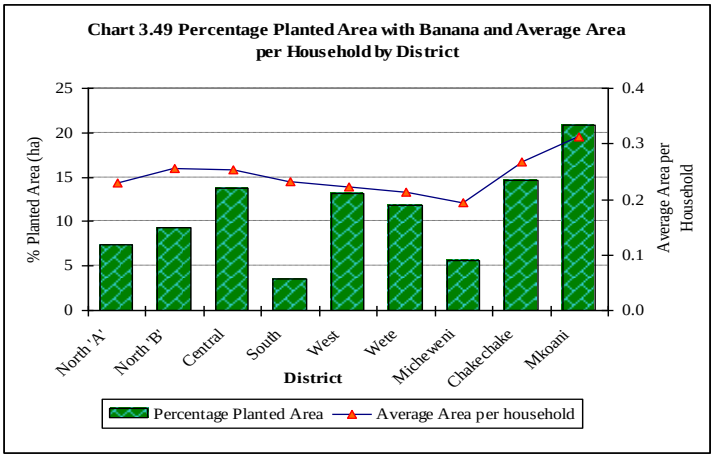
Districts wise, Wete had the highest percentage (14.4%) followed by Central (14.1%), and Mkoani (13.5%) of the area planted with permanent crops.While Mkoani, Central , and North 'B' district recorded the highest average planted area per household with 0.9ha and 0.8ha repectively. In other districts, the area ranged between 0.5 and 0.7 ha per household (Chart 3.48).



3.4.1 Banana

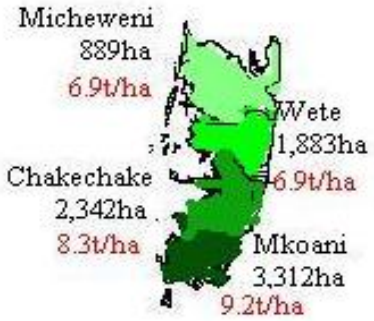
Banana is a food crop cultivated in all the districts and occupied an area larger than any other permanent crop (15,913ha). The area is slightly higher when compered with the area recorded in 2002/03 (13,572ha).

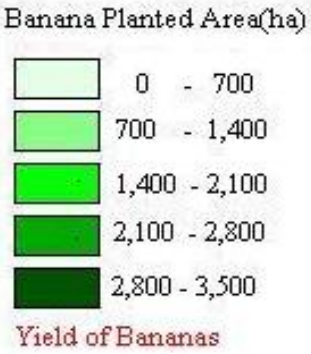
Mkoani (3,312 ha, 21%) recorded the highest percentage of the total area planted with banana followed by Chakechake (2,342 ha, 15%), Central (2,186 ha, 14%), and West (2,093 ha, 13%). The average planted area per household was 0.2 ha. Mkoani, Chakechake, Central and North 'B' all recorded an average of 0.3 ha per household which was the highest. The remaining districts had an average of 0.2 ha per household. (Chart 3.49).



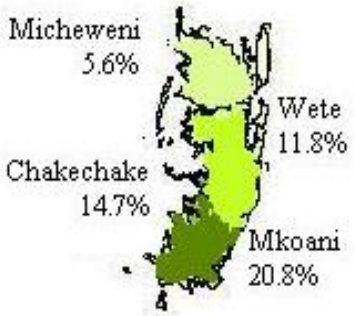
The crop was grown by 64,141 households representing 49 percent of the total households growing crops with a total production of 94,339 tonnes. The total average yield was 6.7 tonnes/ha. There is a variation in productivity among the districts of which the highest yield was recorded in Mkoani district with 24,639 tonnes (9.2 tonnes/ha) followed by Chakechake 19,063 tonnes (8.3 tonnes/ha), Micheweni 5,931 tonnes (6.9 tonnes/ha), Central 11,043 tonnes (6 tonnes/ha). The lowest yield was recorded in North 'B' with 3.4 tonnes/ha.

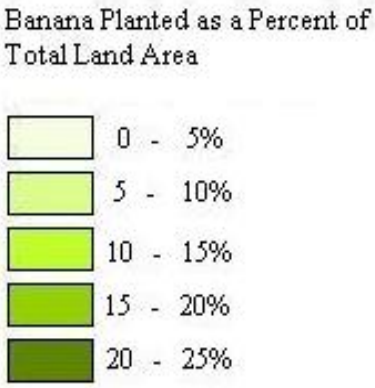
Map 3.32 Zanzibar
Planted Area(ha) and Yield(t/ha)
of Bananas by District

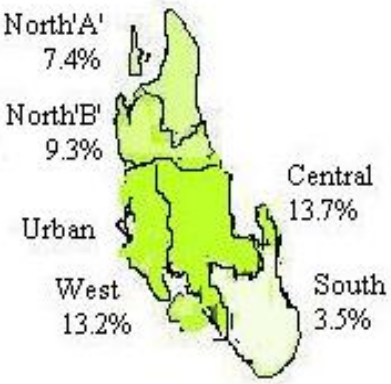


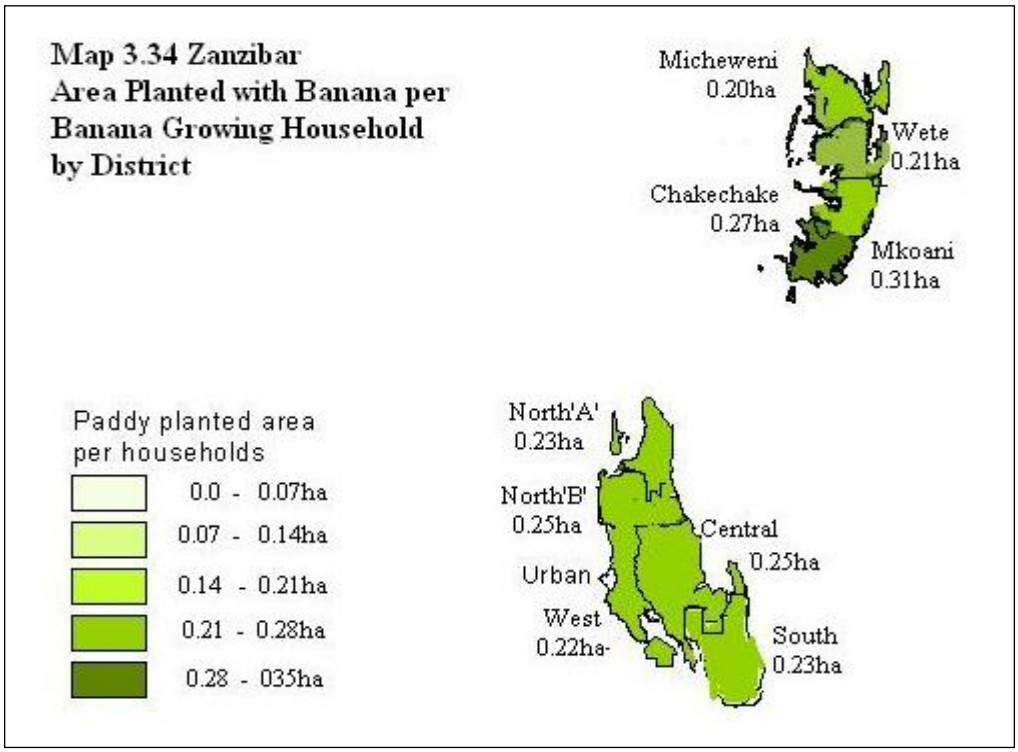


Map 3.33 Zanzibar
Bananas Area Planted as a
Percentage of Total Land Area
by District

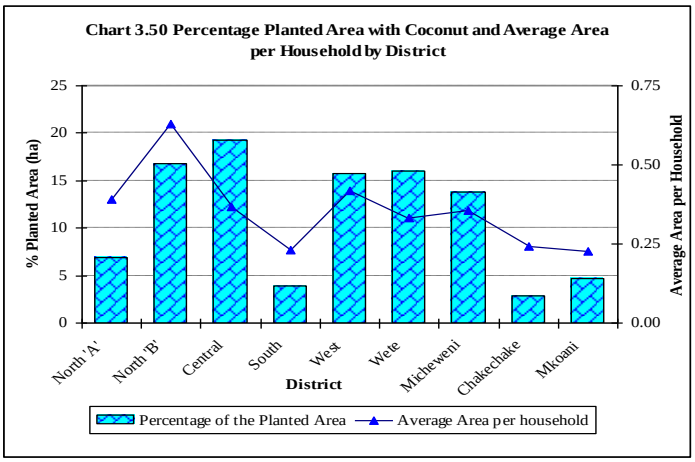








3.4.2 Coconuts

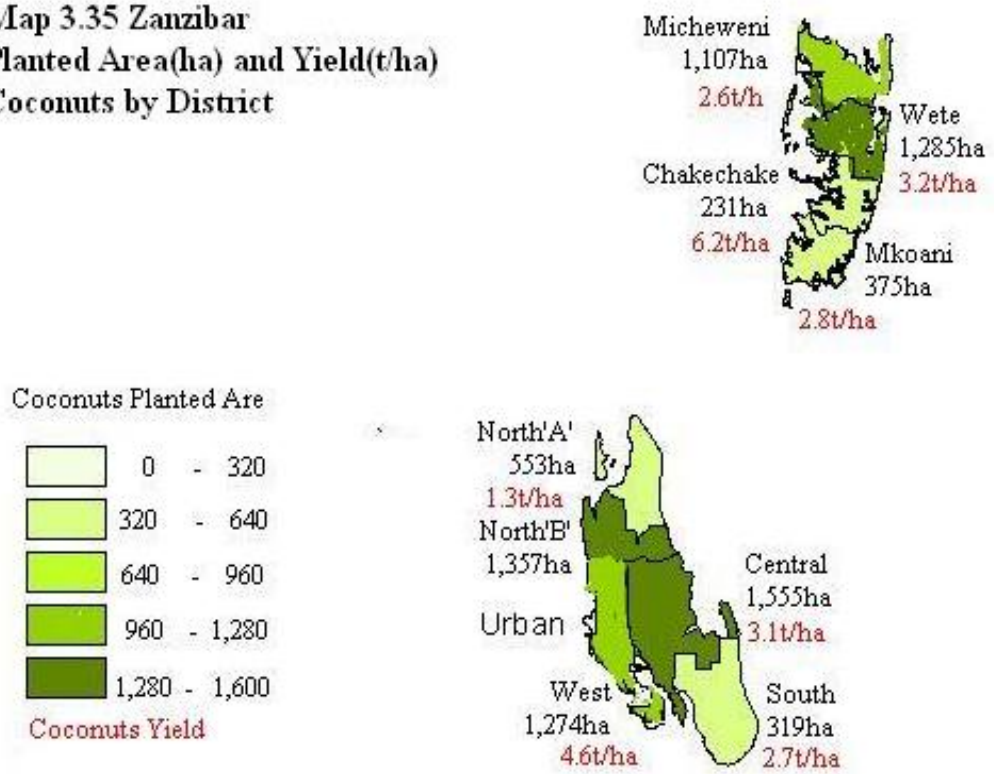


Coconuts were grown in all the districts of Zanzibar, the crop was grown by 21,861 households or about 17 percent of the crop growing households.The total area planted with the crop was 8,058 ha. Central District had the highest percentage (19 %) of the total area planted with coconuts followed by North 'B' (17%) and West and Wete districts each with (16%). In contrast, the lowest percentages of area planted with coconuts were recorded in Chakechake (3%), South (4%), and Mkoani (5%).

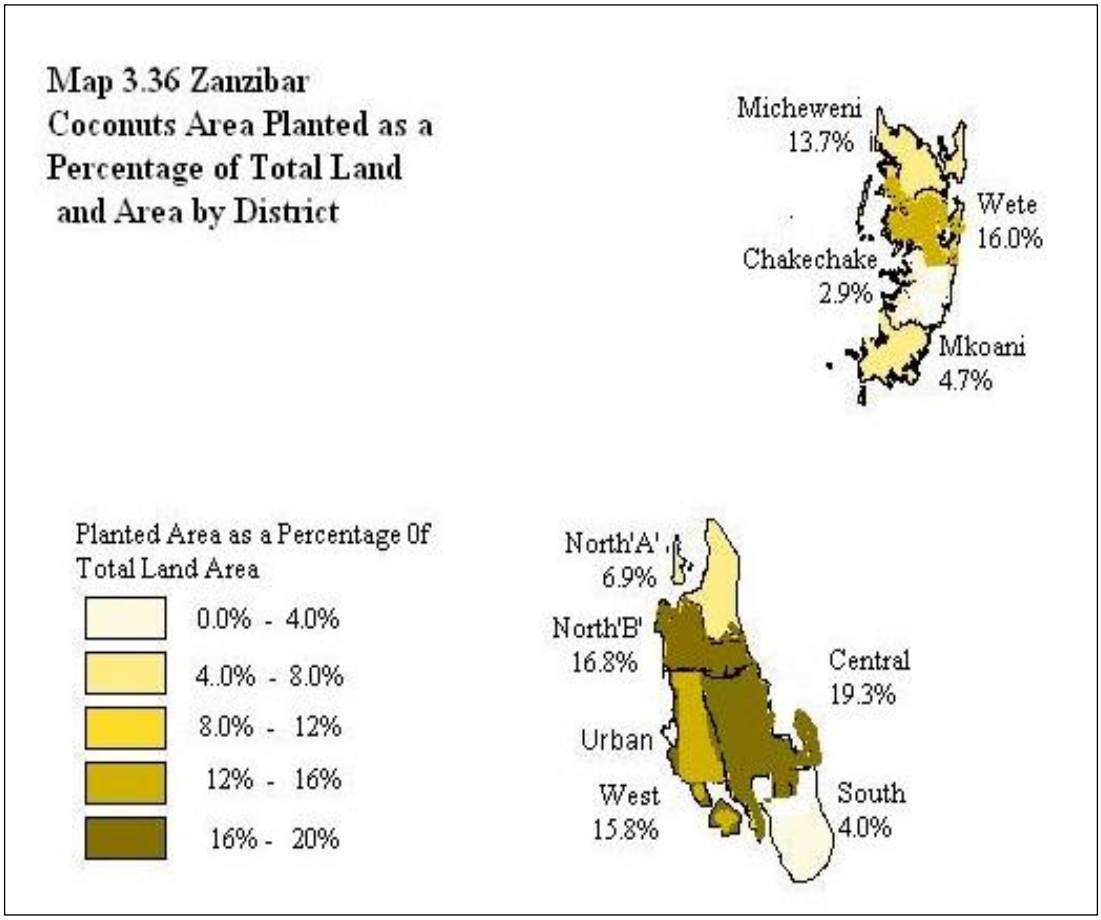
Moreover, North 'B' had the highest average area per household planted with coconut trees (0.63 ha), followed by West (0.42 ha), and North 'A' (0.39 ha/household). The lowest average area per household planted with coconuts were found in Mkoani (0.23 ha), South (0.23. ha), and Chakechake (0.24 ha/household) (Chart 3.50).

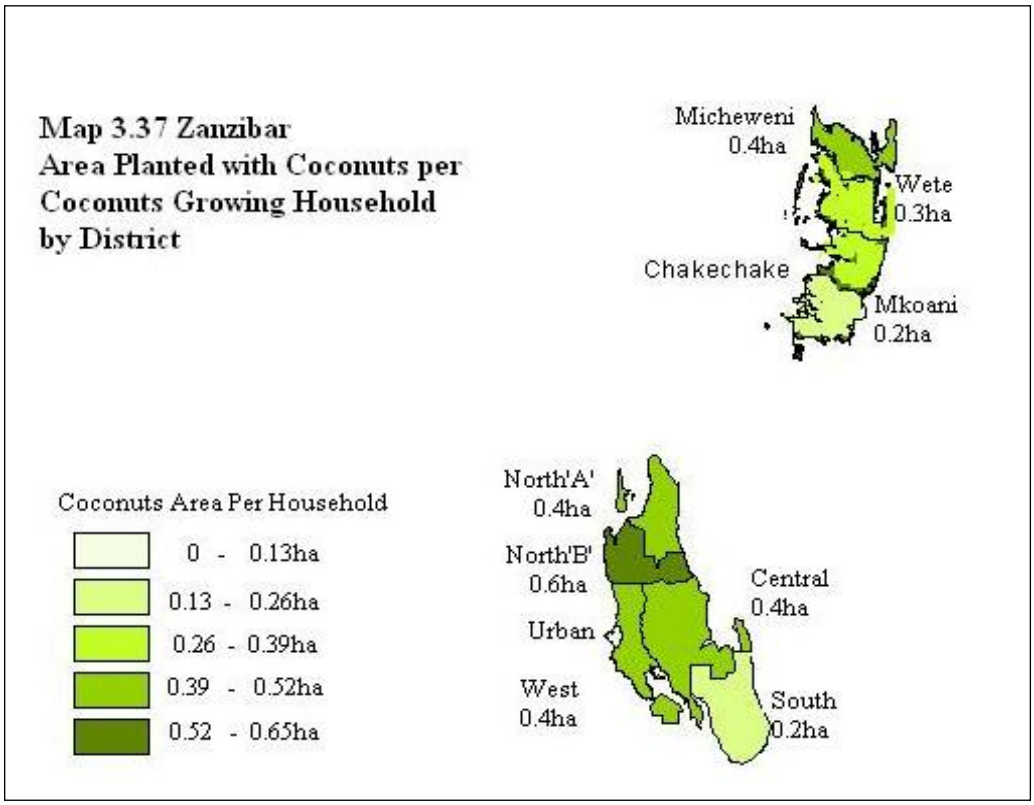
The total production was 14,514 tonnes and the average yield was 3.3tonnes/ha. Wete district produced 2,999 tonnes (21%) of the total production followed by Micheweni with 2,546 tonnes (18%), West with 2,473 tonnes (17%). North 'B' district had the least production with 310 tonnes (2%).

Map 3.35 Zanzibar
Planted Area(ha) and Yield(t/ha)
Coconuts by District



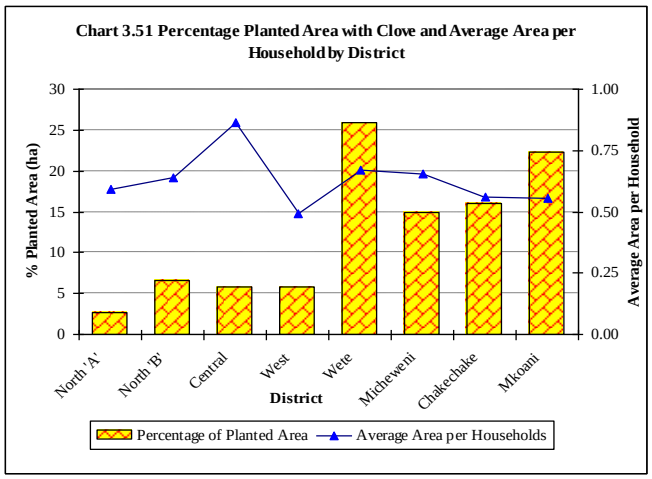
Map 3.36 Zanzibar
Coconuts Area Planted as a
Percentage of Total Land
and Area by District

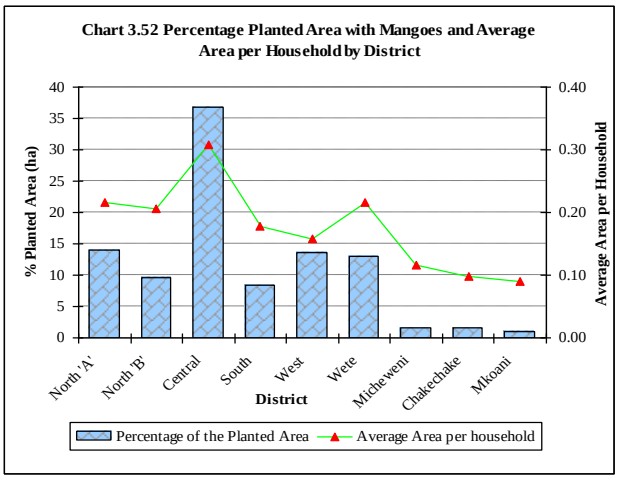




3.4.3 Cloves

Cloves were grown in all the districts except in South district. The total of 8,139 households palnted the crop (6 percent of the crop growing households) on 4,972 ha. The total production recorded was 8,007.3 tonnes.



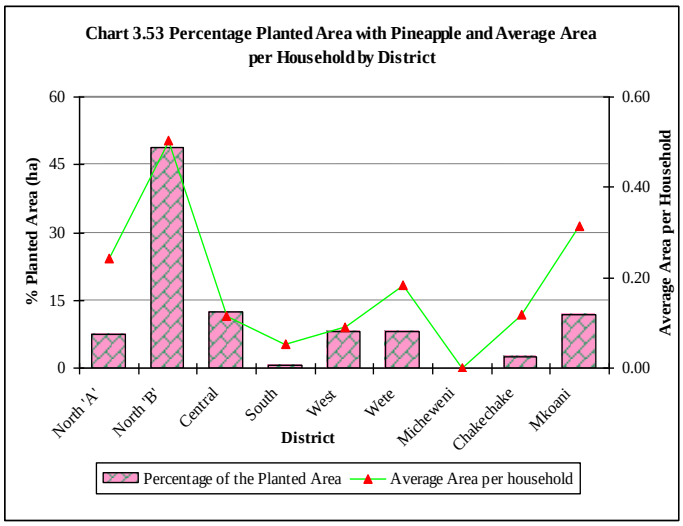


Wete and Mkoani districts accounted for 25.9% and 22.3% respectively of the total planted area, which is almost half of the area planted with the crop. The remaining percentage of the area was shared by the other districts with Chakechake, Micheweni and North ‘’B’ accounting for 16%, 15%

and 6.5% respectively. In contrast, North 'A' had the lowest percentage of the area planted with the crop with only 2.6 percent. On the basis of the average area planted with clove trees per clove growing households Central had the largest area (0.86 ha), followed by Wete (0.67 ha), Micheweni (0.65 ha), North 'B'(0.64ha) and the least district was West with 0.49ha (Chart 3.51).

3.4.4 Mangoes

As with most of the crops, mangoes are cultivated by smallholders all over Zanzibar and a total of 2,216 ha was occupied by the crop. Central district accounted for almost over a third (37%) of the area planted with mangoes. The other districts with the highest percentage of area planted with mangoes were North 'A' and West each with about 14 percent of the planted area followed by Wete (13%). However, Mkoani (1%), Chakechake (2%) and Micheweni (2%) recorded the lowest percentage of area planted with mangoes. With respect to average area planted with mangoes per mango growing household, Central district had the largest average (0.31 ha) followed by North 'A' and Wete each with (0.22. ha) , North 'B' (0.21 ha), Micheweni (0.12 ha), Chakechake (0.10 ha) while Mkoani recorded the smallest area with (0.09 ha/household) (Chart 3.52).



In total, mango trees were planted by 10,388 households (8 percent of the crop growing households). The total production during the 2007/08 agricultural year was 10,111 tones. The highest production was in Central district with 39 percent of the total production followed by Wete with 22 percent, West 11 percent. Micheweni district had the the lowest production with only 2.5 percent of the total production.

3.4.5 Pineapple

The crop was planted by 3,107 households (2.4% of the crop growing households). The total planted area was 706.3 ha representing one percent of the total area planted with permanent crops. The total production was about 5,954.02 tonnes and the everage yield was 9 tonnes/ha but varied by district.

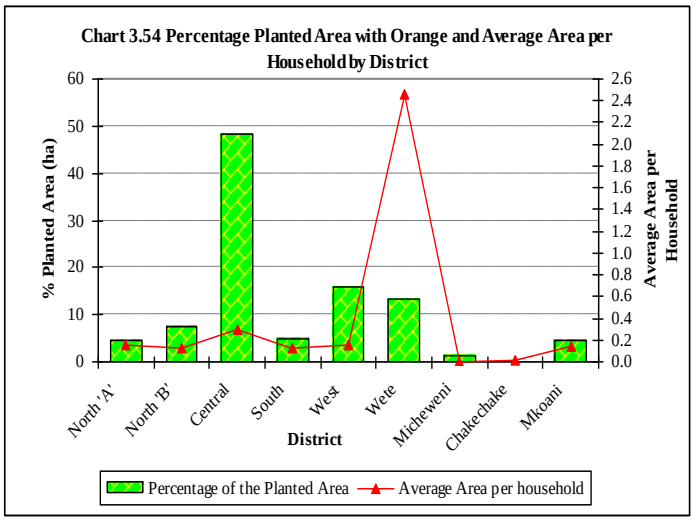
The crop was largely planted in North 'B' district, which accounted for 48.9% of the total area planted with the crop. Central was the second district accounting for 12.2%, almost four times less

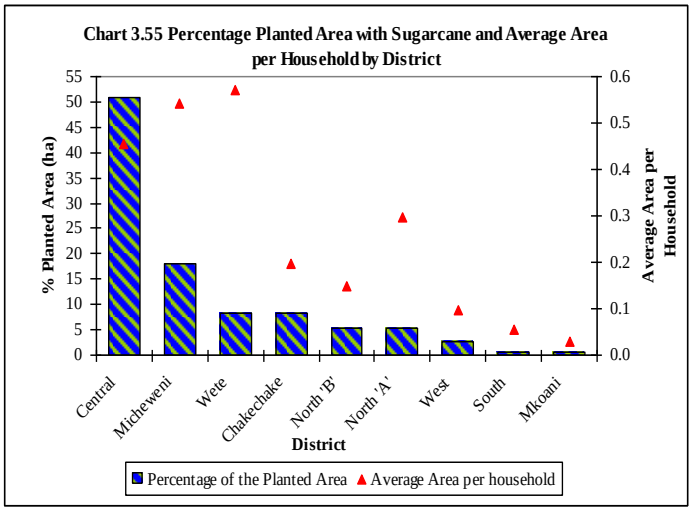
than the area planted with pineapples in North 'B'. However, the contribution of other districts was less significant. In fact, no cultivation of pineapples was done in Micheweni district. Similarly, North 'B' had the largest average area per household planted with pineapple (0.5 ha), followed by Mkoani (0.3 ha) while other districts had areas ranging from 0.1 to 0.2 ha/ household, (Chart 3.53).

3.4.6 Oranges

A total of 10,146 households planted the crop (8 percent of the crop growing households). The total production was 10,938 tonnes with an average yield of 9 tonnes/ha produced from a total of 2,375 ha.

Central district accounted for almost 50 percent (48.3%) of the area planted with orange trees. The remaining area was shared by West (15.9%) and Wete (13.3%) while other districts accounted for the lowest percentage of the area planted with the crop. Nevertheless, there were no orange trees grown in Chakechake. However, Wete district had the largest average area per household (2.46 ha), followed by Micheweni (0.51 ha) and Central (0.30 ha/household). On the other hand, Chakechake had the smallest area (0.02 ha/household) (Chart 3.54).

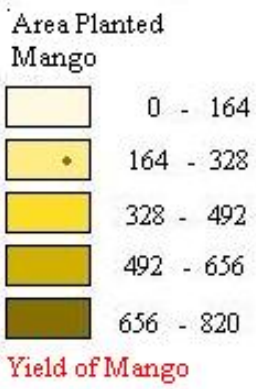




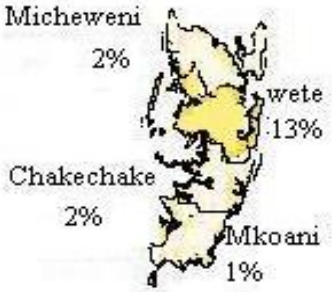
3.4.7 Sugarcane

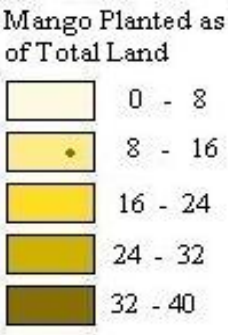
A number of smallholders engaged in sugarcane growing were 1,124 households representing only one percent of the total crop growing households. The total land area of 353 ha was used to cultivate the crop, and the production was 3,647 tonnes with an average yield of 12 tonnes/ha. Central district accounted for 51% of the total area planted with sugarcane followed by Micheweni (18 %). In other districts, the area planted with sugarcane was rather small with Mkoani having the lowest percentage of the area planted with sugarcane (0.65%). Moreover, the largest average planted area per household was recorded in Central (0.46 ha/household) (Chart 3.55).

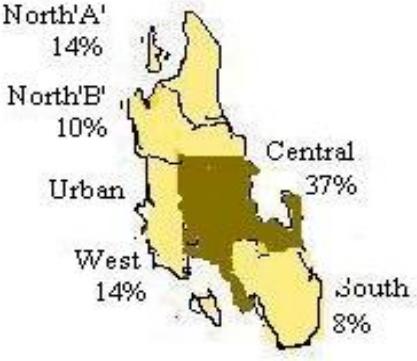
Map 3.38 Zanzibar Planted Area(ha)and Yield(t/ha) of Mango by District



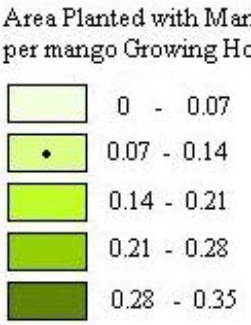
Map 3.39 Zanzibar Mango Area Planted as a Percentage of Total Land Area by District



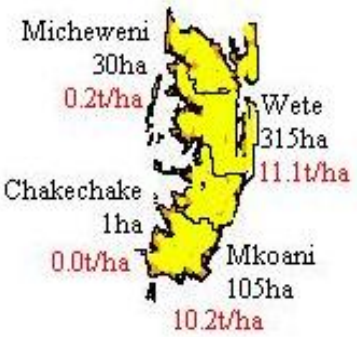


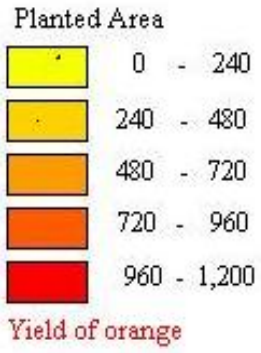


Map 3.40 Zanzibar
Area Planted with Mango
per Mango Growing Households
by District

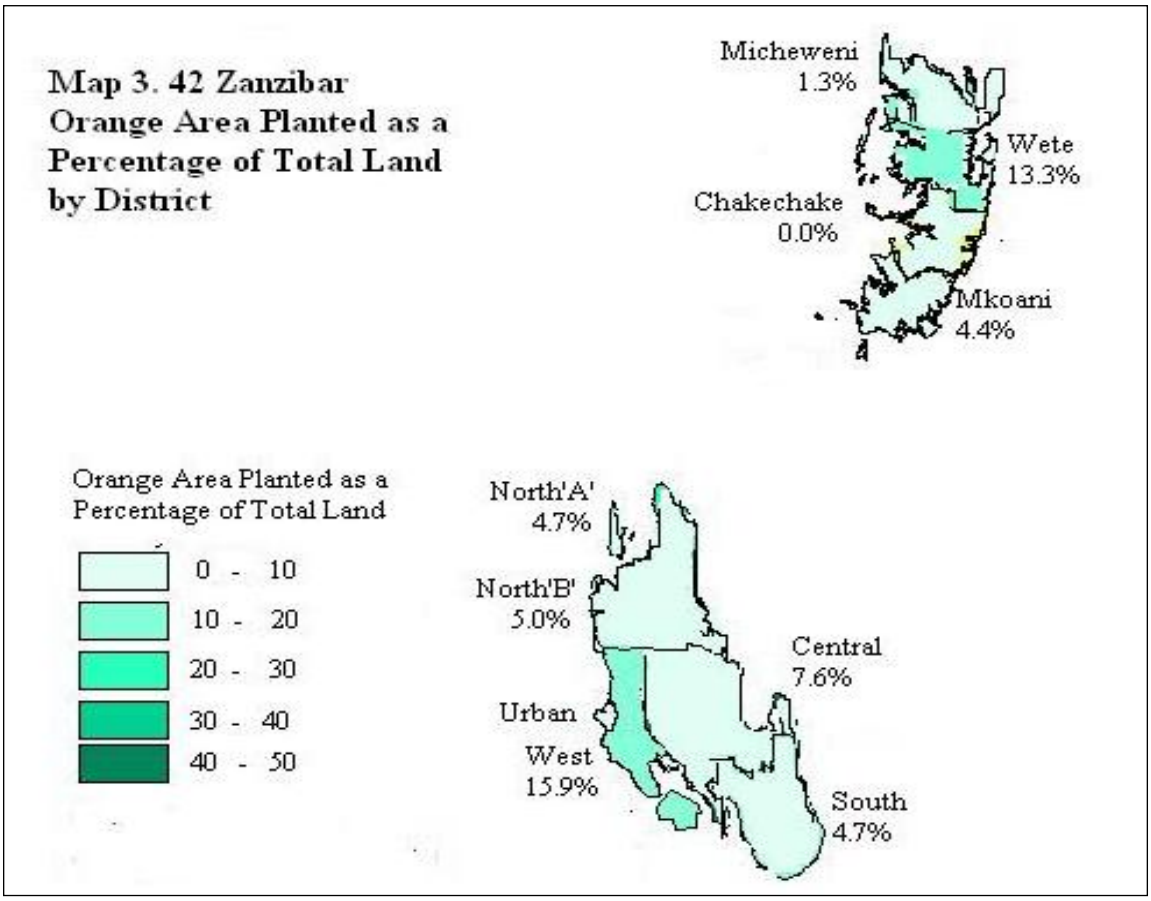


Map 3.41 Zanzibar
Planted Area(ha)and Yield(t/ha)
of Orange by District

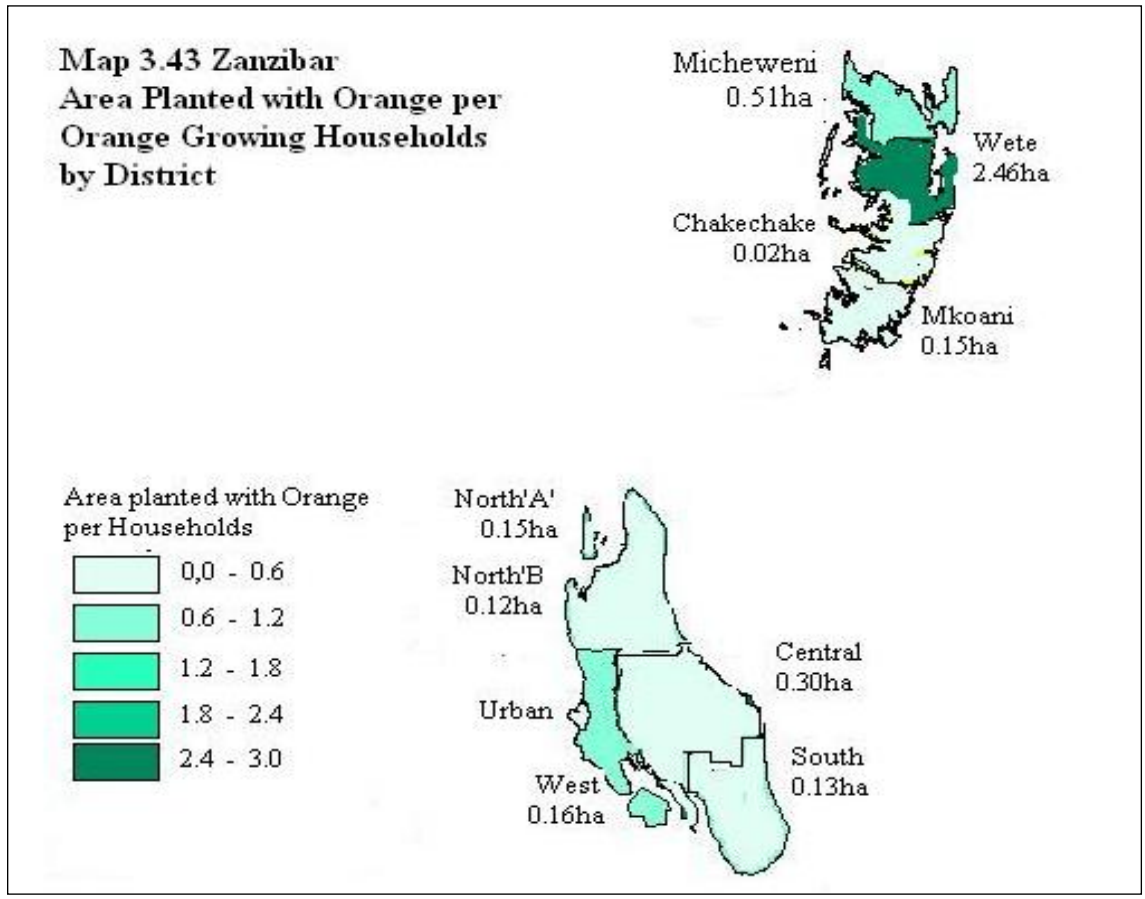




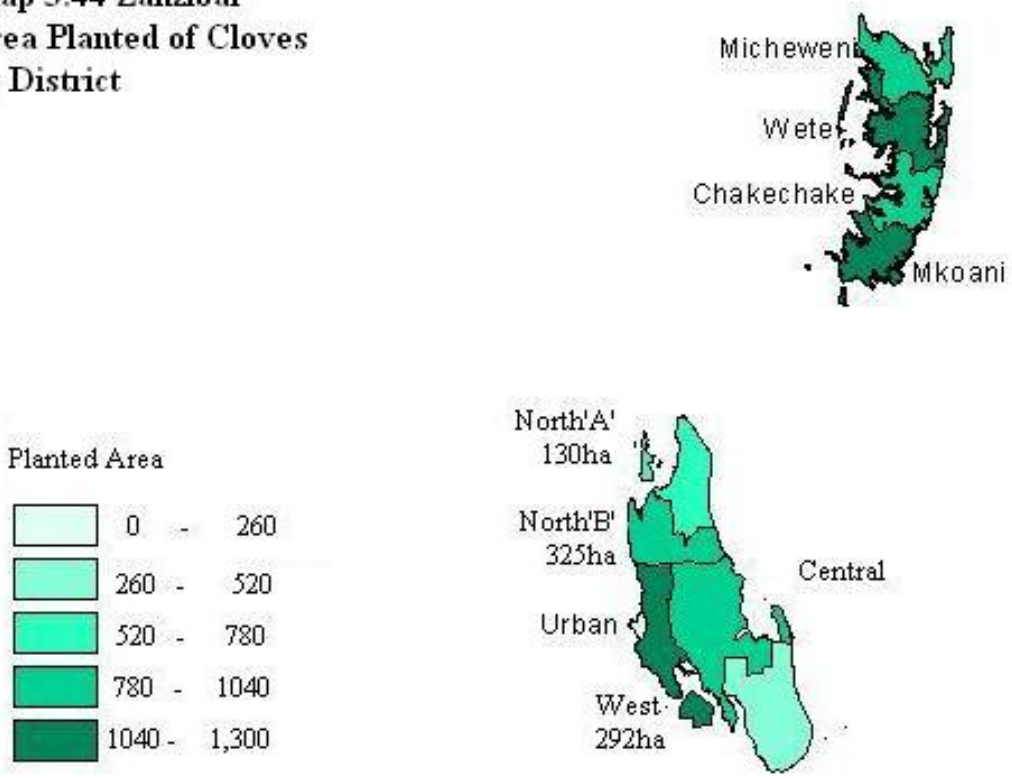
Map 3. 42 Zanzibar Orange Area Planted as a Percentage of Total Land by District



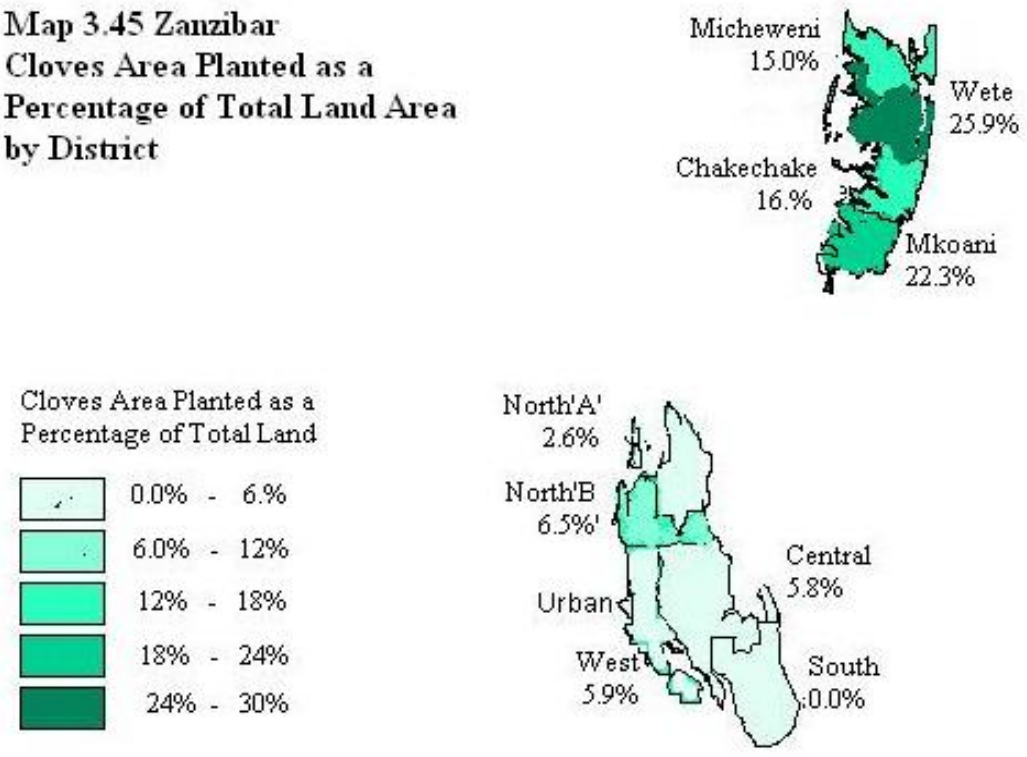
Map 3.43 Zanzibar Area Planted with Orange per Orange Growing Households by District



Map 3.44 Zanzibar Area Planted of Cloves by District



Map 3.45 Zanzibar Cloves Area Planted as a Percentage of Total Land Area by District



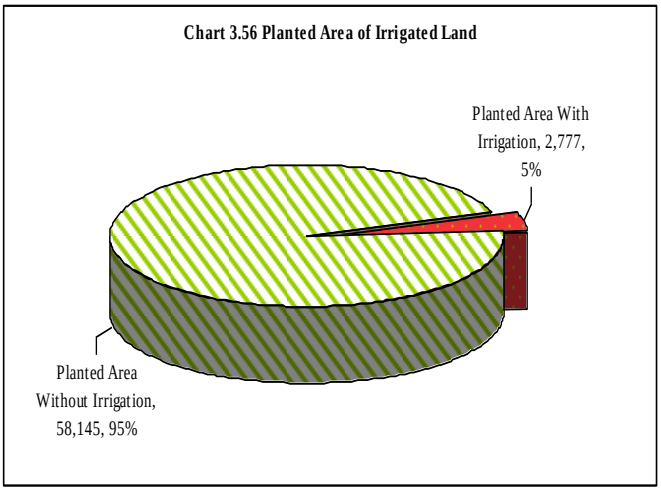
3.5 Irrigation

Water is important for crop production in Zanzibar. In fact, without water most other agricultural practices applied to a crop will not result in a significant increase in yield. This section deals with the area under irrigation for different crops and the means by which water is extracted from the source and applied to the field.

3.5.1 Planted Area of Irrigated Land

Generally, irrigated farming was quite limited with only 5 percent (2,777 ha) of the land under irrigation for annual crops, while the rest (58,145 ha, 95%) of the land remained unirrigated. From the total irrigated area, 53 percent was used during the short rainy season and 47 percent in the long arainy season due to the fact that irrigation was mostly used to compliment rain water (Chart 3.56).

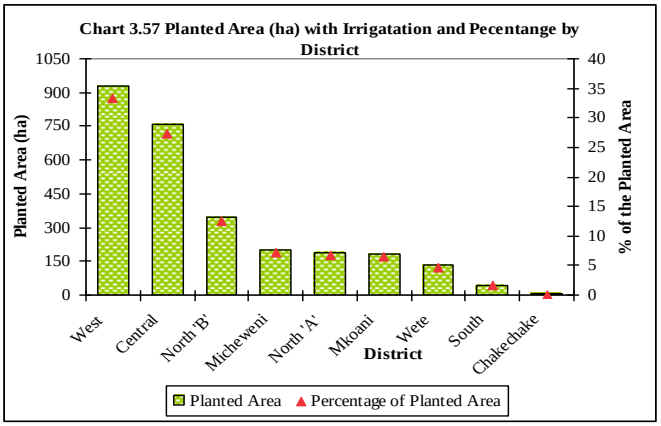
Chart 3.56 Planted Area of Irrigated Land



3.5.2 Planted Area with Irrigation by District

The total planted area with irrigation was 2,777 ha. Besides, West had the highest percentage of the irrigated land (927 ha, 33%) followed by Central (757 ha, 27%), North 'B' (348 ha, 13%), Wete (5%), and South (2%) while in Chakechake district, less than 1% of the land was irrigated (Chart 3.57).

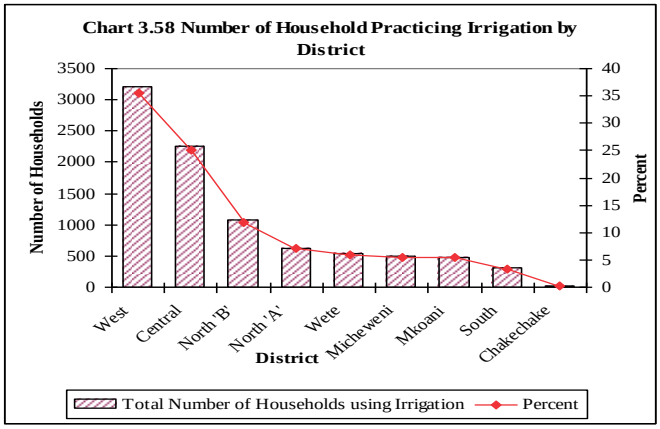
Chart 3.57 Planted Area (ha) with Irrigatation and Pecentange by District



3.5.3 Households Practising Irrigation

A total of 9,007 households were engaged in irrigation practice, 53 percent in short rainy season and 47 during the long rainy season.

Chart 3.58 Number of Household Practicing Irrigation by District

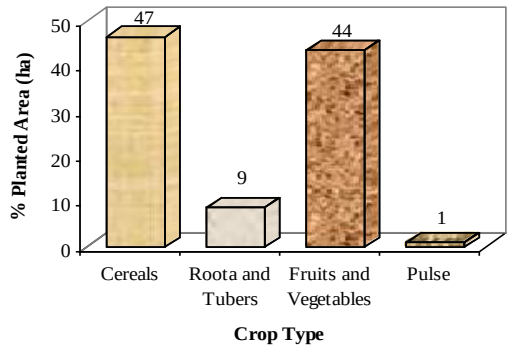


West district had the largest number of households which practiced irrigation (3203, 36%), followed by Central and North 'B' districts with 2,249 households (25%) and 1,069 households (12%) respectively. The smallest number of households which practiced irrigation was recorded in Chakechake district which accounted for less than one percent (Chart 3.58).

3.5.4 Planted Area with Irrigation by Type of Crop

Various types of crops were planted with irrigation during short and long rainy seasons. The largest area was planted with cereals (1296.4 ha, 46.8%) while the remaining irrigated area was planted with fruits and vegetables (1210. ha, 44%), roots and tubers (241.7ha, 9%), and other crops accounted for 1% (Chart 3.59).

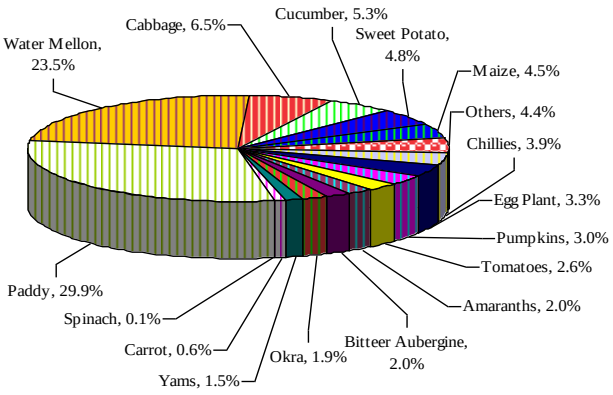
Chart 3.59 Percentage Area Planted with Irrigation by Crop Type



3.5.5 Irrigated Area by Individual Crops

The three leading crops with the largest area planted with irrigation for annual crops were paddy (1,083 ha, 30%), followed by Water Mellon (852 ha, 24%), Cucumber (193 ha, 5%). Other crops includes tomatoes (94 ha, 2%), egg plant (121 ha, 3%). On the other hand, crops with the smallest area planted with irrigation were carrot (21 ha, 0.6%), Spinach (5 ha, 0.1%), and cabbage (0.4 ha, 1%). Moreover, irrigation was not practised in growing tumeric (Chart 3.60).

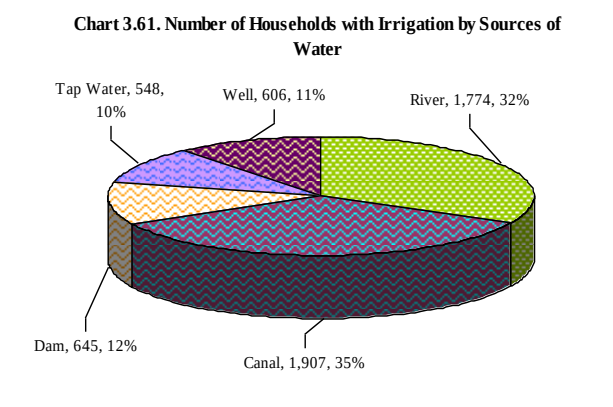
Chart 3.60. Percentage Area Irrigated (ha) by Individual Crops



3.5.6 Households Practising Irrigation by Source of Water

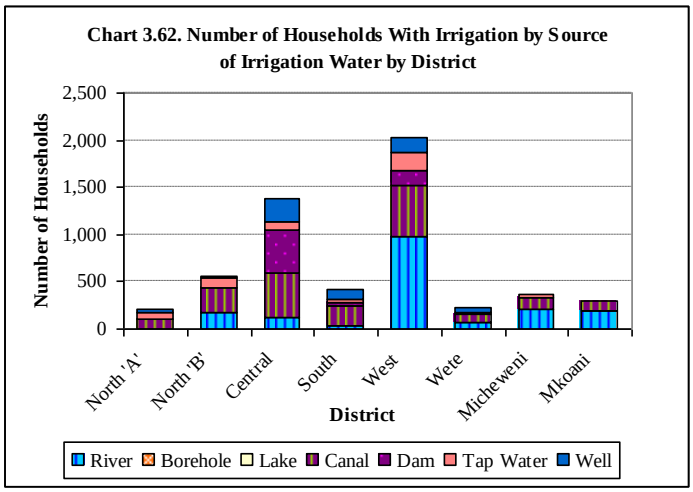
Regardless of the rainy seasons, the actual number of households which practiced irrigation were 5,482 households out of

Chart 3.61. Number of Households with Irrigation by Sources of Water



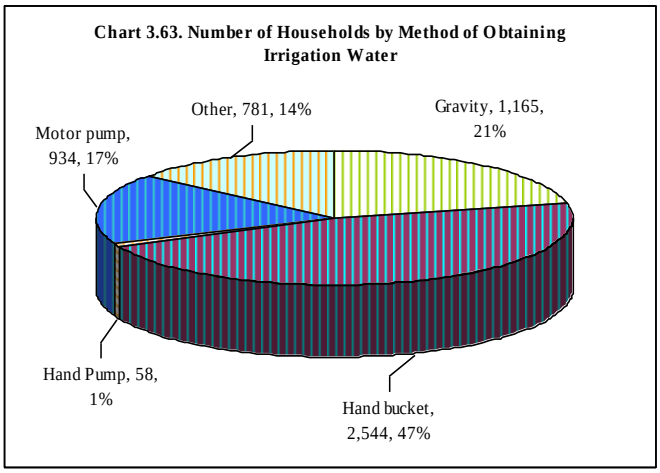
which 1,774 (32%) used rivers as the main source of water for irrigation followed by canals (1907households, 35%), dams (645 households, 12%). Other sources such as wells and tap water accounted for about 11 and 10 percentrespectively (Chart 3.61).

Households with Irrigation by Source of Irrigation Water by District



A total of 5,482 households practised irrigation. Generally, the importance of source of water for irrigation varied greatly between districts. Thurefore rivers, for example, were an important source of water for irrigation in West, Micheweni, and Mkoani districts. Wells and canals were equally important sources of water in North 'B' district. Canals were important source of irrigation water in South district while for Central, dams were the main source of irrigation water (Chart 3.62).

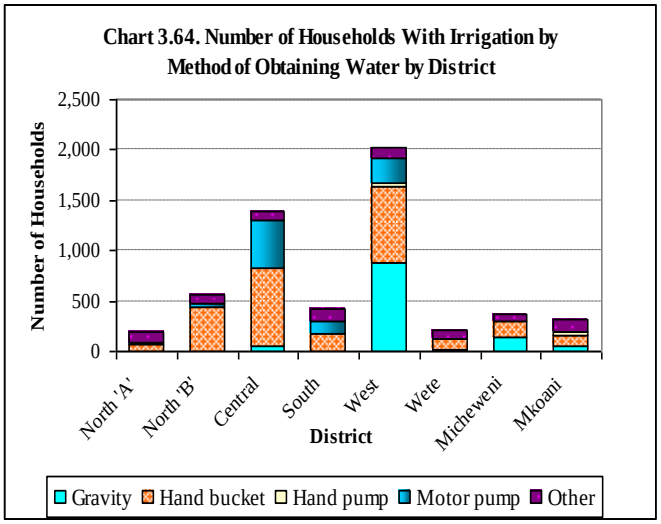
Households by Method of Obtaining Irrigation Water



Hand bucket was the most common method used to obtain water for irrigation as it accounted for 47% of all the households which practiced irrigation. In terms of importance this method (hand bucket) was followed by gravity (1,165 households, 21%), and motor pumps (934 households, 17%). Other methods (781 households, 14%) and hand pumps (58 households, 1%) were the least used methods for obtaining irrigation water (Chart 3.63).

Households with Irrigation by Method of Obtaining Water by District

Various methods were used to obtain water for irrigation even though their importance varied between districts. However, except for West district where gravity was the main method used, hand bucket remained the most important source of obtaining irrigation water in the remaining districts. Moreover, hand bucket was equally important with gravity as a means of obtaining irrigation water in Micheweni district (Chart 3.64).



3.6 Use of Inputs

Access to inputs among the farming households is essential for improved crop yield. Table 3.9 presents data on the use of various inputs including improved seeds, pesticides/fungicides, inorganic and organic fertilizers during the short rainy season. The table shows that, the number of households which used organic fertilizer was only 7,502 households representing 18 percent of the total households which planted crops using fertilizer in the short rainy season.

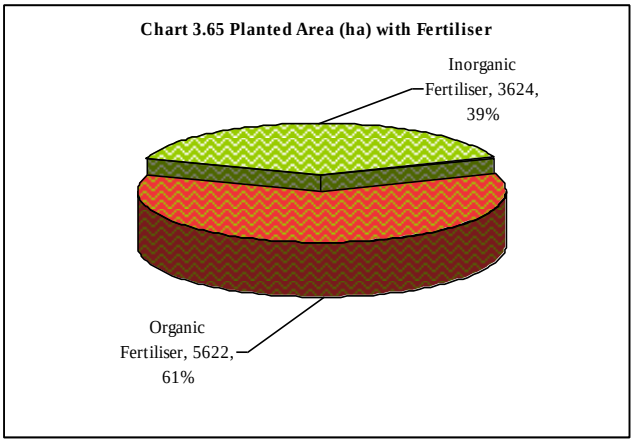
Other inputs with limited number of households includes improved seeds (6,500 households, 16%), herbicide 988 households presenting 5 percent of the total households growing crops in short rainy seasons. On the other hand, the highest percentage of households had no access to fungicides (99%) followed by those who had no access to herbicides (95%), and improved seeds (84%).

Table 3.9: Nuumber of households which Used Inputs during Short Rainy Season

Type of input	Household with Access to input		Households without Access to input	
	Number	Percentage	Number	Percentage
Improved seeds	6,500	16	35020	84
Fungicide	508	1	41,012	99
Inorganic Fertilizer	2,899	14	18,111	86
Organic Fertilizer	7,502	18	34018	82
Herbicides	988	5	18,569	95

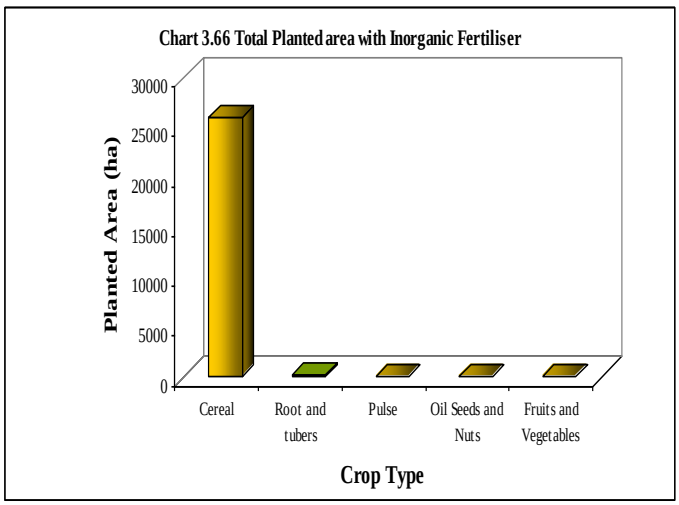
3.6.1 Use of Improved Seeds

The total area planted with improved seeds was 3,874 ha (1,907 ha, 49% in short rainy season and 1,967ha, 51% in long rainy season). Cereals had the largest area planted with improved seeds accounting for 59 percent (2,272 ha) of the total area planted with improved seeds followed by fruits and vegetables (933 ha, 24%), cash crops mostly seaweed (304 ha, 8%), roots and tubers (227 ha, 6%), pulses (157 ha, 4%) (Charts 3.65 and 3.66).

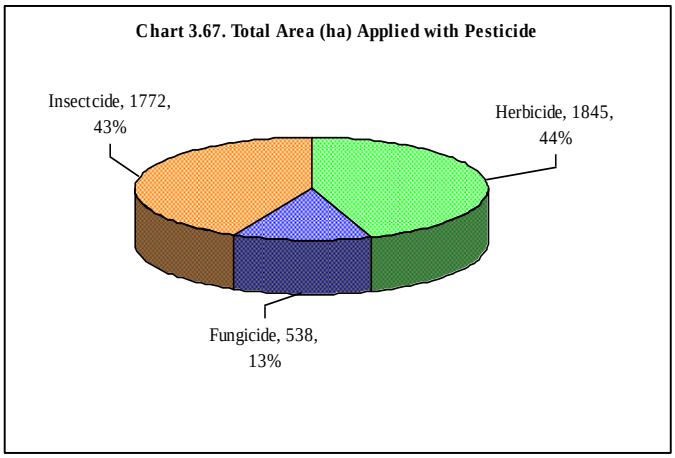


3.6.2 Use of Fertilizer

The results presented in this section is based on the use and area application with fertilizer and not quantity applied. In the overall, the largest area was not planted with any type of fertilizer. This accounted for 85 percent (51,843 ha) of the area planted with crops. On the other hand, 15 percent was planted with fertilizer of which organic fertilizer was applied to 61 percent (5,622 ha) while the area applied with inorganic fertilizer accounted for only 39 percent (3,624 ha) (Chart 3.65).



Regarding percentage of crop type planted area with inorganic fertilizers in the production of annual crops, cereals accounted for the largest planted area with inorganic fertilizer (26,103 ha, 99%), followed by root and tubers (141 ha, 1%), pulses (17 ha, 0.06%). On the other hand, cash crops, oil seeds and oil nuts were produced without use of inorganic fertilizer (Chart 3.66).



3.6.3 Use of Pesticides

Pesticides refer to chemicals which are used for controlling pests and diseases on crop

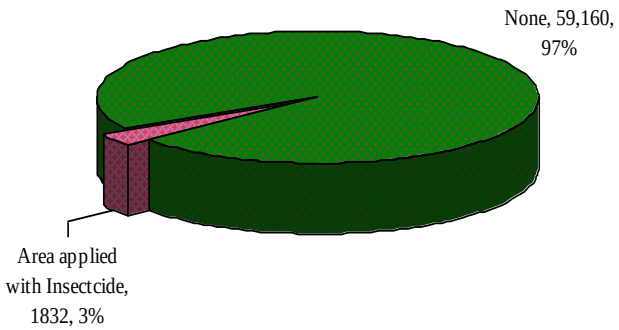
production. This section presents the use of various pesticides.

The largest area was planted with herbicides (1,845 ha, 44%) closely followed by insecticides (1,772 ha, 43%), and fungicide (538 ha, 13%) (Chart 3.69).

Insecticide

Most of the area (59,160 ha planted with annual crops) was planted without using insecticides, representing 97 percent of the total land area planted with annual crops during short and long rainy seasons, while the input was used only on 3 percent (1,833 ha) (Chart 3.68).

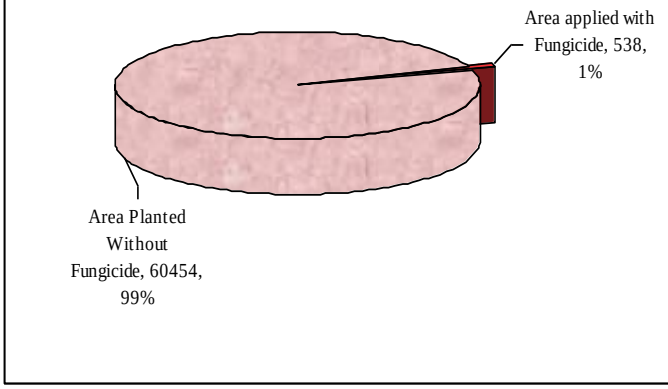
Chart 3.68 Total Planted Area (ha) with Insectcides



Fungicide

The largest area (60,454 ha, 99%) was planted without using fungicides while only one percent (538 ha) was planted using fungicides (Chart 3.69). From the total area which applied fungicides, 67 percent was used during the short rainy season and 33 percent in long rainy season. The most dominant crop applied with fungicide was fruits and vegetables which accounted for 69 percent of the total area, followed by cereals with 19 percent. Fungicide was not used for oil seeds.

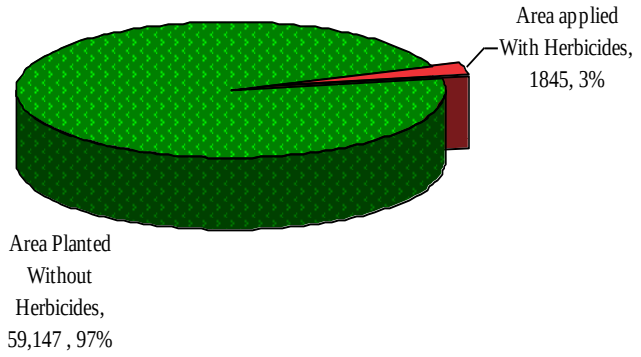
Chart 3.69 Total Planted Area With and Without Fungicides



Herbicides

Only 3 percent (1,845 ha) of the total area planted with annual crops was planted with herbicides while the rest, 97% (59,147ha) was not planted with herbicides (Chart 3.70). Most of the herbicides was applied during the long rainy season (1287ha, 70%). The dominant crop was paddy (1,282ha, 99.6%).

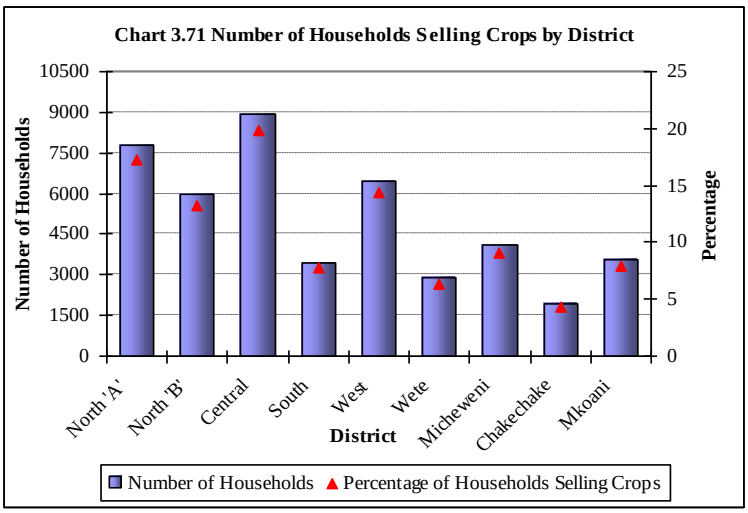
Chart 3.70 Total Planted Area With and Without Herbicides



3.7 Crop Marketing

A total of 45,013 households reported selling crops (48 percent during short rainy season and 52 percent in short rainy season). The largest number of households that reported selling crops was recorded for Central District (8,907 households, 20%) followed by North 'A' (7,781 households,17%) and West District (6,468 households, 14%). In contrast, districts with the smallest number of households that reported selling crops were Chakechake (962 households, 4%) and Wete (2,870 households, 6%) (Chart 3.71).

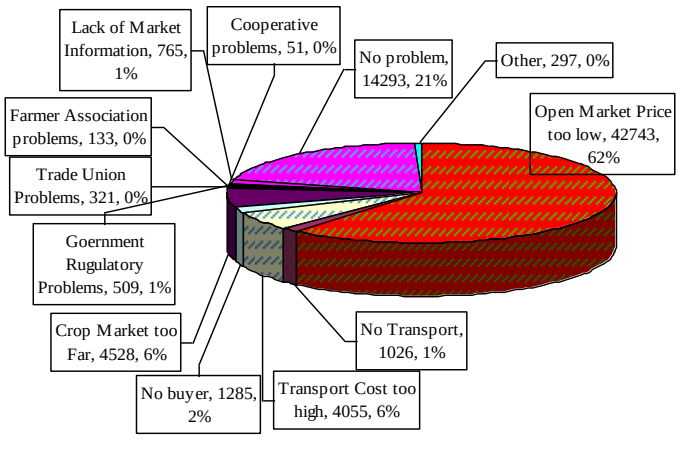
Chart 3.71 Number of Households Selling Crops by District



3.7.1 Main Marketing Problems

Households faced various marketing problems. The most important problem faced by households in marketing their crops during short and long rainy seasons was open market price being too low (42,743 households, 62%) followed by crop market being far (4528 households, 6.5%), transport

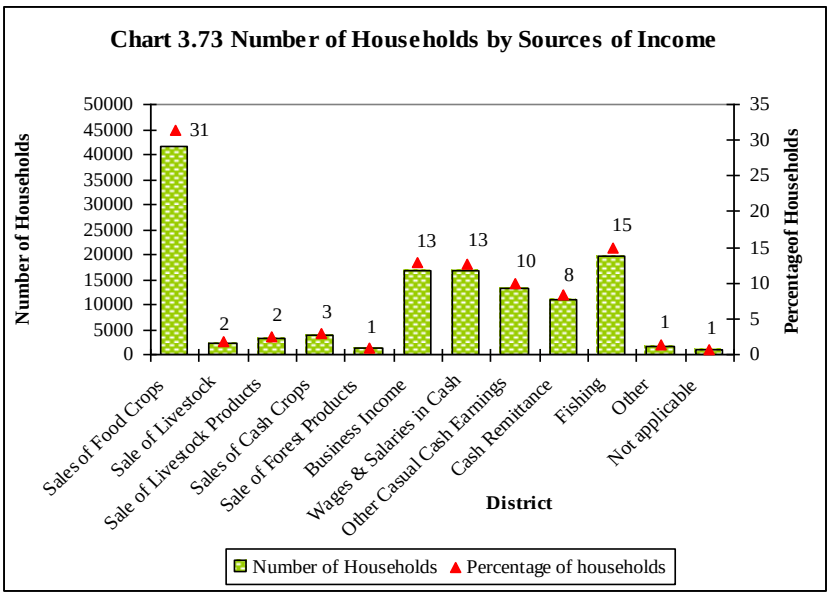
Chart 3.72 Number of Households that Reported Marketing Problem by Type of Problem

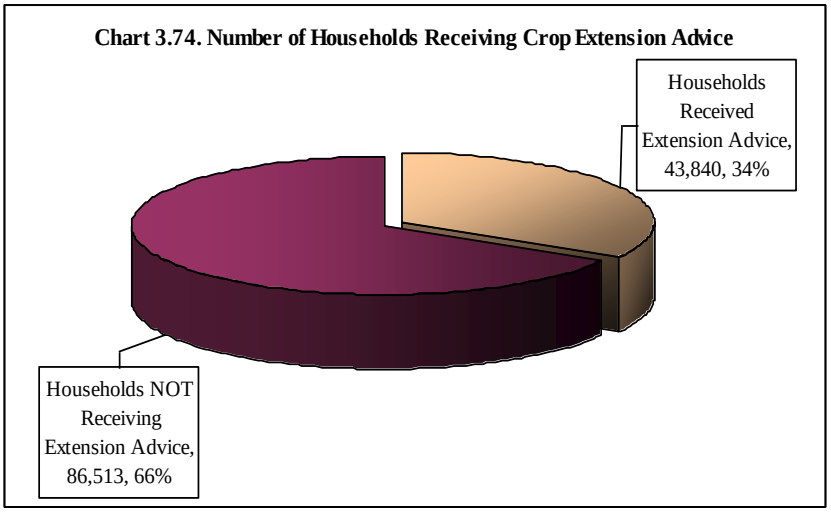


cost too high (4055 households, 5.8%). On the other hand, marketing problems were reported by a smallproportion of households as follows:cooperative problems (51 households, 0.1%), farmer association problems (133 households, 0.2%) and trade union problems (321 households, 0.6%) (Chart 3.74).

3.8.1 Sources of Finance

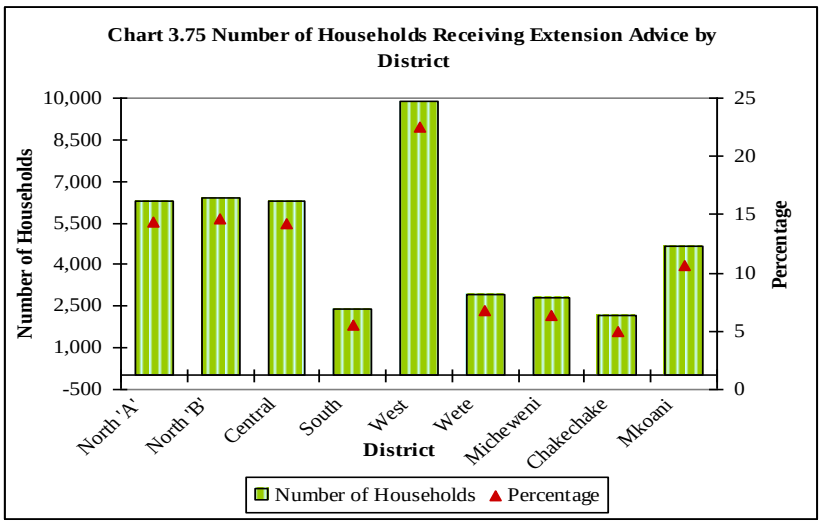
Sale of food crops was the main source of household finances as it was reported by 31 percent of the households (41,491). The other sources in order of importance were fishing (19,744 households, 15%), wages and salaries (16,913 households, 13%), business income (16,913 households, 13%), and other casual cash earnings (13,082 households, 10%), (Chart 3.73).





3.8 Extension Services

Out of a total of 130,353 households, only 34 percent (43,840 households) received extension advice while the rest, 66 percent (86,513 households) did not receive any extension advice , (Chart 3.74). Of the total 43,840 households that reported to have received extension advice, the distribution by district is as shown in Chart 3.75.

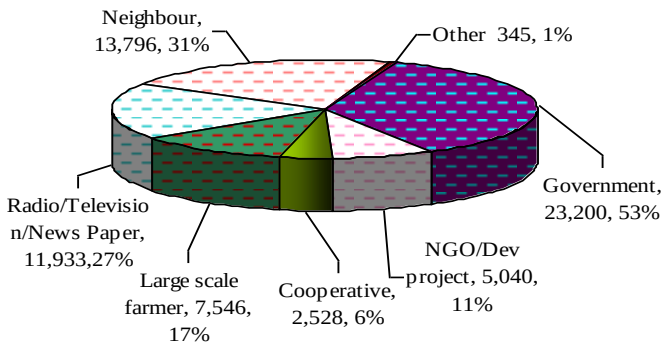


The largest number of households that received extension services was recorded inWest district (9,891) followed by North 'B' district (6,413), North 'A' (6,269), and Central district (6,262). However, the smallest number of households was found in Chakechake district (2,193). On the basis of proportion of households that reported to have received extension advice, the three leading districts were North 'B' (57%), West (56%) and Central (46%). The lowest proportion of households that reported receiving extension advice was found in Chakechake (16%) and Micheweni districts (16%).

Source of Extension Advice

The Government was the main source of extension advice to households as it was reported by 53 percent of the households that received crop extension advice, followed by neighbours which account ed for 31 percent.

Chart 3.76. Number of Households Receiving Extension Messages by type of Extension Provider

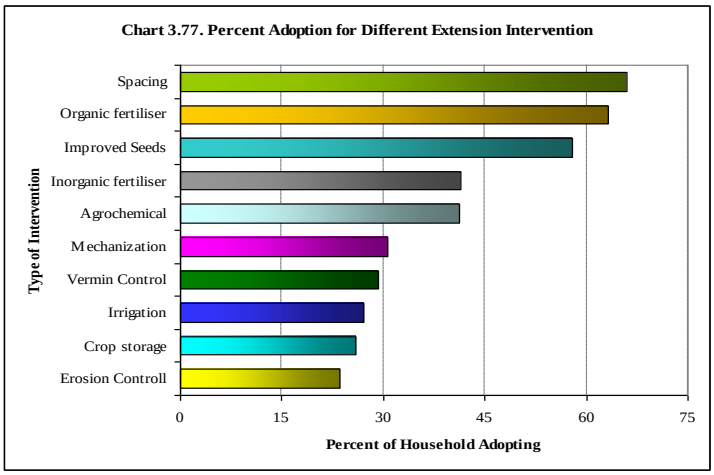


Radios/Televisions/Newspapers were the third most important source of extension advice to 27 percent of the households which received extension advice, large scale farmers (17%), NGO/Development projects (11%), and cooperatives (6%) , (Chart 3.76).

Adoption of Extension Interventions

The three most adopted interventions by crop growing households were spacing (28,927 households,) representing 66 percent of the total households that received extension advice on crop production. The second was on the use of organic fertilizer (27,718 households, 63%) and improved seeds (25,400

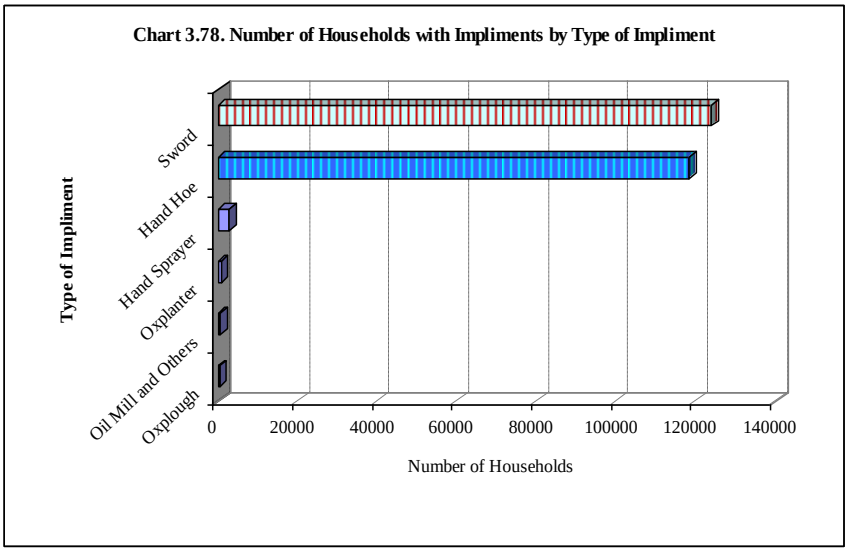
Chart 3.77. Percent Adoption for Different Extension Intervention



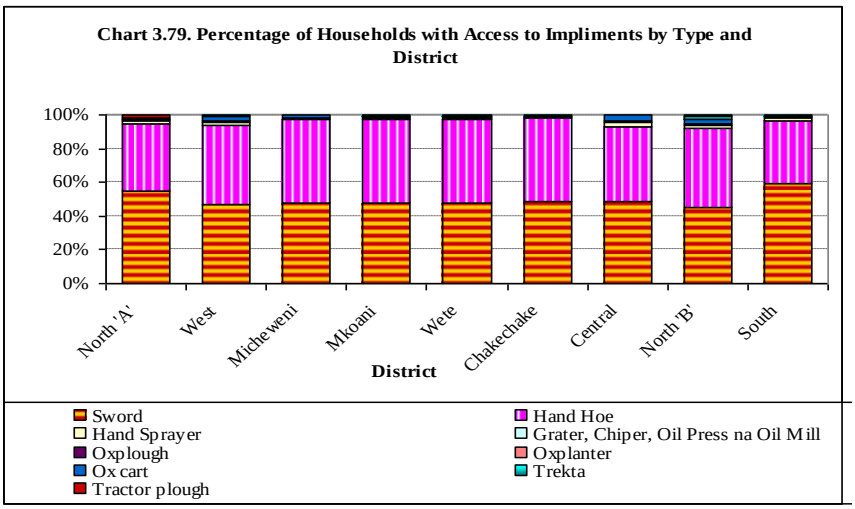
households, 58%). Interventions that were less adopted were erosion control (10,364 households, 24%), crop storage (11,387 households, 26%), and irrigation (11,849 households, 27%) (Chart 3.77).

3.9 Household Implements

The sword and hand hoe were the two implements widely owned by agricultural households. While a total of 123,833 agricultural households owned swords representing 94 percent of the total agricultural households. The second was hand hoes which accounted for 118,358 households (90 percent of the agricultural households) and hand sprayers were owned by 2,712 households representing only 2 percent of the agricultural households. On the other hand, the ridger was used by the smallest number of agricultural households (170 households) (Chart 3.78).



The distribution of onwership of the implements by district shows that, for all districts, the two most implements widely owned by households in all districts were the sword and hand hoe (Chart 3.79).



4. CONCLUSIONS AND RECOMMENDATIONS

This Chapter focuses on crop production with specific reference to planted area, use of inputs, marketing, farmer access to extension service, and crop markets. The Chapter is organized in three sections. In the first section the current status of agriculture in Zanzibar is described while the second section discusses the main findings of the agriculture sample census. Lastly, the third section presents district production profile.

4.1 Current Status of Agriculture in Zanzibar

The crop sector plays an important role in Zanzibar's economy by providing jobs, sustenance and income to 132,193 households (representing about 99 percent of the total agricultural households or 95 percent of the total rural households).

Crop production is the dominant holding type of agricultural activity in Zanzibar engaging 86,509 households (65%) compared to 43,844 households (33%) that engage in mixed crop and livestock, only1,840 households (1%) are engage in livestock only.

The total planted area was 139,415 ha of which 60,922(44%) ha were planted with annual crops while 78,493ha(56%) were grown to permanent crops. Paddy was the most important crop followed by sweet potatoes, maize, and yams. Clove and seaweed were important cash crops and grown in all districts except in South District for clove. Mkoani, Wete, Micheweni and Chakechake districts accounted for more than 70 percent of the total area planted with cloves. Generally, there was limited investment in irrigation. Thus agricultural production is largely rainfed and hand hoe was the most important means of cultivation. Besides, there is limited use of external inputs such as fertilizer and pesticides. In fact, only 14 percent (2,899) of households had access to inorganic fertilizer during short rainy season while the rest, that is, 86 percent (18,111) of households had no access to this inputs in the same season. More specifically, the highest percent of households had access to improved seeds 6,500 (16%), organic fertilizer 7,502 (18%) households, As a result of limited use of these inputs crop yields were low compared to existing potential.

Access to extension advice was rather limited to crop growing households (130,353 households) with only 34 percent (43,840) households received extension advice while 66 percent (86,513) did not receive any extension advice.

A total of 45,013 households (35 percent of crop growing households) reported selling crops for short and long rainy seasons. The largest number of households that reported selling crops was recorded in Central District (8,907 households) followed by North 'A' (7,781 households) and West District (6,468 households. The main marketing problems was too low open market price reported by(42,743 households, 62%) followed by crop market being far (4,528 households, 6%), transport cost too high (4,055 households, 6%).

Important Issues

This section discusses some of the findings in relation to the following issues:

- Use of inputs
- Access to land
- Increase in the number of smallholder households and land consolidation
- Irrigation
- Access to extension advice

4.1.1 Use of inputs

Generally, the use of inputs including improved seeds, inorganic and organic fertilizers varied across districts. 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, followed by herbicides than fungicides.

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.*

4.1.2 Access to land

There is scarcity of land for agriculture in Zanzibar. Moreover, smallholder farmers do not have sufficient land to produce food crops for sale to the local and external market and for their subsistence. This is evident as:

1. The average physical land per agricultural household was only 1.2 ha but more importantly some households had access to land that was much less than 1 hectare.

2. The percent of utilized land compared to available land was high and in some districts the planted land area was bigger than the available land suggesting the same piece of land was used to plant several crops in one agriculture year.

Recommendation:

There is need to carry out a study to determine the minimum area of land that is required for a smallholder household to meet its subsistence needs as well as the area required to have self sustaining profit making farms. This should then be used to promote adequate size profit making farms and provide start up capital and credit for inputs.

4.1.3 Increase in the number of smallholder households and land consolidation

Increase in the number of farming households coupled with small planted areas per household is likely to prevent reduction in rural poverty. Hence land consolidation is required to increase the area under production per household to the level whereby smallholder farms can become self sustaining economic entities.

Recommendation:

Land reforms policies should promote land consolidation without further expansion into virgin areas.

4.1.4 Irrigation

Only a small proportion of crop land is irrigated. Consequently, benefits of using productivity enhancing inputs such as improved seeds and fertilizer are not 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*

Access to extension services

In general, access to extension advice was limited. 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: Efforts should be made to ensure that extension advice is provided to the majority of smallholders who currently don't have access as well as *improve the quality of its services to ensure increased adoption of improved practices for increased crop productivity.*

4.2 District Profiles

4.2.1 North `A'

North 'A' had the first largest number of households (16,318) growing crops only and the second highest percent of households (17%) with planted area in the short rainy season and the third highest percent of area (14%) planted in the long rainy season. Moreover, the district had the fourth highest percent (10%) area planted with permanent crops. Also, it was one of the seven districts with less than 50% of households, which reported having access to extension advice.

North 'A' had the second largest overall number of households (7,781) that reported selling crops after Central District (8,907 households).

4.2.2 North 'B'

North 'B' had the first highest percent of utilized land (99.62%) and the second highest percent of households reporting land insufficiency (67.8%). Also, the district had the third highest percent (13%) of area planted during the short rainy season and seventh highest percentage (8%) of area planted in the long rainy season. Moreover, it had one of the smallest area under pasture (5 ha) and one of the districts with the lowest percent (9%) of total area planted with permanent crops. Specifically, it recorded the second highest percent (17%) of area planted with coconuts and the third largest area under irrigation (348 ha) and percent of irrigated land (13%).

Of all districts, North 'B' recorded the first highest percent (57%) of households reporting access to extension advice within the district.

4.2.3 Central

The three leading districts both in terms of percent of area planted and average planted area per household with permanent crops were Wete (14.4%, 0.78 ha); Central (14.1%, 0.91 ha), and Mkoanil (14%, 0.69 ha).

Central district had the third highest percent of the total area planted with banana as well as average planted area per household planted with the crop. The district recorded the first highest percent (19 %) of the total area planted with coconuts followed by North 'B' (17%) and West and Wete districts (16%).

Central district accounted for almost over a third (37%) of the area planted with mangoes while about 50 percent (48.3%) of the area planted with oranges was recorded in the district. Also, the district accounted for 51 percent of the total area planted with sugar cane followed by Micheweni (18%).

The district recorded the second highest percent of irrigated land (757 ha, 27%) and the second largest number of households practising irrigation.
The largest number of households reported selling crops was recorded in Central district (8,907 households) followed by North 'A' (7,781households, 17%) and West district (6,468 households, 14%).

4.2.4 South

The district had one of the highest percent (88%) of agricultural households that reporte all land available to the household was used to cultivate crops. and also was one of the lowest percent (24.4%) of households reporting land insufficiency. Also, it had the moderate percent (20%) of household growing crops in the short rainy season and the area planted during the long rainy season was only 13% within the district The area planted with permanent crops was only 4% - one of the lowest percent in Zanzibar. Moreover, South district is the only district in Zanzibar where no clove production was recorded and had the lowest percent (2%) of the irrigated land.

The district recorded the moderatet percent (8%) of households selling crops while at the same time it had less than 50% of households had access to extension advice.

4.2.5 West

West district had the fifth highest percent (11.4%) of area planted with permanent crops and the third highest percent (16%) of the area planted with coconuts. The district had the largest number of households practising irrigation (2,072, 11%) and the largest irrigated area (479 ha; 17%) in the

long rainy season. Also, it recorded the second highest percent (56%) of households having access to extension advice.

4.2.6 Wete

Wete District recorded the fourth highest percent (95%) of land utilization and about 51 percent of the households reported land insufficiency. It had the highest percent (14.4%) of the area planted with permanent crops.

Moreover, the district had the third highest percent (89.2%) of area planted during the long rainy season and the third lowest percent (10.7%) of area planted in the short rainy season**.** It recorded the third highest percent (16%) of total area planted with coconuts; the highest percent planted with orange (48.2%), and the second lowest percentage of area planted with clove (5.8%). In terms of irrigation, the district had the smallest land area under irrigation (131 ha) in the short and long rainy season. In addition, the district recorded the second lowest percent(19%) of households reporting access to extension

4.2.7 Micheweni

Micheweni recorded the third largest number of households (9,899) growing crops only and those keeping livestock only (146), and the first largest number of households engaged in both crops and livestock (7,475). In land utilization it was the fourth highest (95%) and only 54.8% of households reported land insufficiency.

The second largest area (6,222 ha) under permanent mono crops was recorded in the district. Also, it had the second highest percent (18%) of the total area planted with sugar cane. However, Micheweni recorded the fourth smallest areas(24 ha) planted with trees.

Of the total irrigated land, Micheweni recorded only 7% of irrigated land (201 ha) in the short and long rainy seasons

Furthermore, only 16% of the households had access to extension services

4.2.8 Chakechake

Chakechake recorded 98 percent of land utilization while only 46.4% households reported land insufficiency. The District accounted to about 34 percent of land planted with cereals. Moreover, it had the second highest percent of the total area planted with banana (14.7%) as well as average planted area (0.3) per banana growing household. Chakechake accounted for 16 percent of the total area planted with cloves.

4.2.9 Mkoani

Mkoani had the first highest percent of total planted area with permanent crops (21%). It also had the highest average planted area with permanent crops per household (0.31 ha). Mkoani had the highest percent(20%) of the total area planted with banana as well as average planted area (0.3) per banana growing households.

Of the total area under irrigation Mkoani accounted for only 6% (180 ha) - one of the districts with lowest area under irrigation. Also, only 38 percent (1781 households) reported selling crops and ranked sixth (29%, 4,641 households) in terms of households having access to extension

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2.1. TYPE OF AGRICULTURE HOUSEHOLD: Number of Households by type of Household and District during 2007/08 Agriculture year

District	Rural Households involved in Agriculture		Rural households NOT Involved in Agriculture		Total Rural Households		Number of Urban Households		Total Number of Households
	Number	%	Number	%	Number	%	Number	%	Number
North 'A'	18,901	14.3	0	0.0	18901	13.8	1,286	6.37	20,187
North 'B'	11,452	8.7	0	0.0	11452	8.3	1,873	14.1	13,325
Central	13,679	10.3	473	9.2	14152	10.3	646	4.4	14,799
South	6,580	5.0	498	9.6	7078	5.2	917	11.5	7,995
West	18,651	14.1	2,830	54.8	21481	15.6	19,111	47.1	40,592
Wete	15,374	11.6	404	7.8	15778	11.5	6,277	28.5	22,055
Micheweni	17,520	13.3	410	7.9	17930	13.1	1,740	8.8	19,671
Chakechake	13,835	10.5	311	6.0	14146	10.3	4,807	25.4	18,953
Mkoani	16,199	12.3	237	4.6	16436	12.0	2,918	15.1	19,355
Total	**132,193**	**100.0**	**5,163**	**100.0**	**137356**	**100.0**	**39,576**	**22.4**	**176,932**

2.2 TYPE OF AGRICULTURE HOUSEHOLDS: Number of Agriculture Households by type of Holding by District during 2007/08 Agriculture year

District	Crops Only		Livestock Only		Pastoralist		Crops & Livestock		Total Number of Households	Total Number of Households Growing Crops	Total Number of Households Rearing Livestock
	Number of households	%	Number of households	%	Number of households	%	Number of households	%			
North 'A'	16,318	86	126	1	0	0.0	2,457	13	18,901	18,775	2,583
North 'B'	7,457	65	153	1	0	0.0	3,843	34	11,452	11,300	3,996
Central	8,177	60	91	1	0	0.0	5,411	40	13,679	13,588	5,502
South	4,890	74	32	0	0	0.0	1,657	25	6,580	6,547	1,690
West	12,591	68	1,130	6	0	0.0	4,930	26	18,651	17,521	6,060
Wete	8,712	57	77	1	0	0.0	6,585	43	15,374	15,298	6,662
Micheweni	9,899	56	146	1	0	0.0	7,475	43	17,520	17,374	7,621
Chakechake	8,789	64	31	0	0	0.0	5,015	36	13,835	13,804	5,046
Mkoani	9,675	60	54	0	0	0.0	6,471	40	16,199	16,146	6,524
Total	86,509	65	1,840	1	0	0.0	43,844	33	132,193	130,353	45,684

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

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**

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

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**

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

District	Male		Female		Total
	Number	Percent	Number	Percent	
North 'A'	14,869	79	4,032	21	18,901
North 'B'	9,391	82	2,061	18	11,452
Central	10,578	77	3,101	23	13,679
South	4,793	73	1,787	27	6,580
West	15,386	82	3,266	18	18,651
Wete	11,813	77	3,562	23	15,374
Micheweni	14,192	81	3,329	19	17,520
Chakechake	11,557	84	2,279	16	13,835
Mkoani	12,638	78	3,561	22	16,199
Total	**105,216**	**80**	**26,977**	**20**	**132,193**

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

District	Male		Female		Total
	Number	Percent	Number	Percent	
North 'A'	51,726	49	53,364	51	105,090
North 'B'	31,151	51	29,751	49	60,901
Central	35,201	51	34,106	49	69,307
South	16,198	50	16,409	50	32,607
West	54,447	50	54,384	50	108,831
Wete	45,688	49	47,148	51	92,836
Micheweni	50,488	50	50,225	50	100,713
Chakechake	41,134	49	43,436	51	84,570
Mkoani	46,946	50	46,866	50	93,813
Total	**372,978**	**50**	**375,690**	**50**	**748,668**

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

	Sex					
	Male		Female		Total	
Age Group	Number	%	Number	%	Number	%
Less than 4	50,763	49.8	51,179	50.2	101,943	100
5 - 9	57,987	50.8	56,200	49.2	114,187	100
10 - 14	57,719	52.4	52,464	47.6	110,183	100
15 - 19	52,925	50.9	51,137	49.1	104,061	100
20 - 24	30,003	49.6	30,516	50.4	60,519	100
25 - 29	18,558	43.0	24,553	57.0	43,111	100
30 - 34	14,281	38.7	22,602	61.3	36,883	100
35 - 39	17,005	43.8	21,777	56.2	38,782	100
40 - 44	15,751	47.6	17,316	52.4	33,067	100
45 - 49	15,337	50.7	14,912	49.3	30,249	100
50 - 54	12,228	51.5	11,535	48.5	23,763	100
55 - 59	7,291	57.6	5,358	42.4	12,650	100
60 - 64	8,407	55.9	6,621	44.1	15,029	100
65 - 69	4,832	60.7	3,126	39.3	7,957	100
70 - 74	5,792	63.2	3,377	36.8	9,169	100
75 - 79	1,927	66.3	978	33.7	2,905	100
80 - 84	1,301	53.9	1,114	46.1	2,415	100
Above 85	870	48.5	926	51.5	1,796	100
Total	**372,978**	**49.8**	**375,690**	**50.2**	**748,668**	**100**

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

	Married						Not Married					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	14,428	89	1,701	11	16,129	100	126	57	95	43	221	100
North 'B'	8,729	92	763	8	9,493	100	331	81	76	19	407	100
Central	9,575	91	973	9	10,548	100	486	76	152	24	638	100
South	4,435	87	666	13	5,101	100	195	86	32	14	227	100
West	14,255	95	785	5	15,040	100	722	79	188	21	911	100
Wete	11,454	92	999	8	12,453	100	128	63	77	38	205	100
Micheweni	13,637	91	1,402	9	15,038	100	263	90	29	10	292	100
Chakechake	11,184	92	930	8	12,115	100	248	89	31	11	279	100
Mkoani	12,156	89	1,526	11	13,682	100	161	43	214	57	375	100
Total	**99,854**	**91**	**9,746**	**9**	**109,600**	**100**	**2,660**	**75**	**895**	**25**	**3,555**	**100**

Cont..

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

	Living together						Separated					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	32	100	0	0	32	100	95	25	284	75	378	100
North 'B'	25	50	25	50	51	100	102	20	407	80	509	100
Central	30	50	30	50	61	100	304	34	578	66	882	100
South	0	0	0	0	0	0	97	27	260	73	357	100
West	157	63	94	38	251	100	157	15	911	85	1,068	100
Wete	0	0	26	100	26	100	154	20	615	80	769	100
Micheweni	0	0	0	0	0	0	204	33	409	67	613	100
Chakechake	0	0	0	0	0	0	0	0	155	100	155	100
Mkoani	27	100	0	0	27	100	107	27	295	73	402	100
Total	271	61	176	39	447	100	1,220	24	3,912	76	5,132	100

cont..

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

	Widowed						Total					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	189	9	1,953	91	2,142	100	14,869	79	4,032	21	18,901	100
North 'B'	204	21	789	79	993	100	9,391	82	2,061	18	11,452	100
Central	182	12	1,368	88	1,550	100	10,578	77	3,101	23	13,679	100
South	65	7	829	93	894	100	4,793	73	1,787	27	6,580	100
West	94	7	1,287	93	1,382	100	15,386	82	3,266	18	18,651	100
Wete	77	4	1,845	96	1,922	100	11,813	77	3,562	23	15,374	100
Micheweni	88	6	1,489	94	1,577	100	14,192	81	3,329	19	17,520	100
Chakechake	124	10	1,163	90	1,287	100	11,557	84	2,279	16	13,835	100
Mkoani	187	11	1,526	89	1,714	100	12,638	78	3,561	22	16,199	100
Total	**1,210**	**9**	**12,249**	**91**	**13,459**	**100**	**105,216**	**80**	**26,977**	**20**	**132,193**	**100**

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

	Yes						No					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	5,544	88	725	12	6,269	100	9,325	74	3,308	26	12,632	100
North 'B'	3,130	85	534	15	3,665	100	6,210	80	1,527	20	7,737	100
Central	4,104	84	790	16	4,894	100	6,475	74	2,310	26	8,785	100
South	1,771	88	244	12	2,015	100	3,006	66	1,543	34	4,549	100
West	5,809	89	722	11	6,531	100	9,514	79	2,512	21	12,026	100
Wete	3,767	87	564	13	4,330	100	8,020	73	2,998	27	11,018	100
Micheweni	5,227	85	905	15	6,132	100	8,965	79	2,424	21	11,388	100
Chakechake	4,023	86	643	14	4,666	100	7,441	82	1,604	18	9,045	100
Mkoani	5,471	84	1,017	16	6,489	100	7,113	74	2,544	26	9,657	100
Total	**38,846**	**86**	**6,145**	**14**	**44,991**	**100**	**66,068**	**76**	**20,770**	**24**	**86,838**	**100**

Cont..

Cont. 3.5 Number of Heads of Agricultural Households by Survival of Female Parent, sex of head and District, 2007/08 Agricultural Year

	Don't know						Total					
District	Male	Percent	Female	Percent	Total	Percent	Male	Percent	Female	Percent	Total	Percent
North 'A'	0	0	0	0	0	0	14,869	79	4,032	21	18,901	100
North 'B'	51	100	0	0	51	100	9,391	82	2,061	18	11,452	100
Central	0	0	0	0	0	0	10,578	77	3,101	23	13,679	100
South	16	100	0	0	16	100	4,793	73	1,787	27	6,580	100
West	63	67	31	33	94	100	15,386	82	3,266	18	18,651	100
Wete	26	100	0	0	26	100	11,813	77	3,562	23	15,374	100
Micheweni	0	0	0	0	0	0	14,192	81	3,329	19	17,520	100
Chakechake	93	75	31	25	124	100	11,557	84	2,279	16	13,835	100
Mkoani	54	100	0	0	54	100	12,638	78	3,561	22	16,199	100
Total	**302**	**83**	**62**	**17**	**365**	**100**	**105,216**	**80**	**26,977**	**20**	**132,193**	**100**

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

	Yes						No					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	8,127	84	1,575	16	9,703	100	6,741	73	2,457	27	9,199	100
North 'B'	5,217	85	891	15	6,108	100	4,174	78	1,171	22	5,344	100
Central	5,867	79	1,581	21	7,447	100	4,712	76	1,520	24	6,232	100
South	2,892	81	682	19	3,574	100	1,901	63	1,105	37	3,006	100
West	9,702	86	1,570	14	11,272	100	5,652	77	1,696	23	7,347	100
Wete	6,432	85	1,153	15	7,585	100	5,355	69	2,409	31	7,764	100
Micheweni	7,534	86	1,256	14	8,789	100	6,658	76	2,073	24	8,731	100
Chakechake	6,294	88	837	12	7,131	100	5,263	78	1,442	22	6,704	100
Mkoani	7,283	82	1,580	18	8,863	100	5,355	73	1,981	27	7,337	100
Total	**59,348**	**84**	**11,124**	**16**	**70,472**	**100**	**45,811**	**74**	**15,853**	**26**	**61,664**	**100**

Cont. 3.6Number of Heads of Agricultural Households by Survival of Male Parent, sex of head and District,, 2007/08 Agricultural Year

	Don't know						Total					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	0	0	0	0	0	0	14,869	79	4,032	21	18,901	100
North 'B'	0	0	0	0	0	0	9,391	82	2,061	18	11,452	100
Central	0	0	0	0	0	0	10,578	77	3,101	23	13,679	100
South	0	0	0	0	0	0	4,793	73	1,787	27	6,580	100
West	31	100	0	0	31	100	15,386	82	3,266	18	18,651	100
Wete	26	100	0	0	26	100	11,813	77	3,562	23	15,374	100
Micheweni	0	0	0	0	0	0	14,192	81	3,329	19	17,520	100
Chakechake	0	0	0	0	0	0	11,557	84	2,279	16	13,835	100
Mkoani	0	0	0	0	0	0	12,638	78	3,561	22	16,199	100
Total	**57**	**100**	**0**	**0**	**57**	**100**	**105,216**	**80**	**26,977**	**20**	**132,193**	**100**

3 .7 HOUSEHOLD DEMOGRAPHS: Number of Household Members Who Can Read and Write languages by type of language and District

District	Swahili Only		English Only		Swahili & English		Any Other Language		Don't Read / Write		Total
	Number	%	Number	%	Number	%	Number	%	Number	%	
North 'A'	48,292	52	0	0	8,915	10	63	0	35,849	38	93,120
North 'B'	32,474	60	0	0	7,940	15	153	0	13,234	25	53,801
Central	39,153	64	0	0	10,852	18	30	0	11,065	18	61,100
South	17,904	61	0	0	6,872	24	65	0	4,273	15	29,114
West	49,297	53	0	0	27,851	30	565	1	16,045	17	93,759
Wete	36,950	47	0	0	12,223	15	26	0	29,673	38	78,871
Micheweni	35,216	41	0	0	11,447	13	117	0	38,457	45	85,237
Chakechake	36,072	50	0	0	12,742	18	31	0	23,873	33	72,719
Mkoani	39,074	49	0	0	13,013	16	161	0	26,758	34	79,006
Total	**334,433**	**52**	**0**	**0**	**111,856**	**17**	**1,210**	**0**	**199,226**	**31**	**646,725**

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

District	Swahili						Swahili & English					
	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	7,088	91	725	9	7,812	100	1,008	91	95	9	1,103	100
North 'B'	5,319	86	840	14	6,159	100	1,654	87	254	13	1,909	100
Central	6,596	79	1,702	21	8,299	100	2,493	91	243	9	2,736	100
South	2,762	75	942	25	3,704	100	1,592	91	162	9	1,755	100
West	7,567	84	1,507	17	9,043	100	5,715	93	440	7	6,154	100
Wete	5,407	88	769	13	6,124	100	1,896	91	179	9	2,076	100
Micheweni	5,548	92	496	8	6,045	100	1,898	97	58	3	1,956	100
Chakechake	5,573	90	620	10	6,193	100	2,116	91	209	9	2,325	100
Mkoani	5,614	91	616	10	6,167	100	2,463	91	241	9	2,704	100
Total	**51,474**	**86**	**8,217**	**14**	**59,546**	**100**	20,835	92	1,882	8	22,718	100

Cont. 3.8 Number of Heads of Agricultural Households By Status of writing and reading Languages, sex of head and District, 2007/08 Agricultural Year

	Any Other Language						Don't Read / Write					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
North 'A'	0	0	0	0	0	0	6,773	68	3,213	32	9,986	100
North 'B'	25	100	0	0	25	100	2,392	71	967	29	3,359	100
Central	0	0	30	100	30	100	1,489	57	1,125	43	2,614	100
South	32	50	32	50	65	100	406	38	650	62	1,056	100
West	126	67	63	33	188	100	1,978	61	1,256	39	3,234	100
Wete	26	100	0	0	26	100	4,484	63	2,614	37	7,098	100
Micheweni	29	100	0	0	29	100	6,716	71	2,774	29	9,490	100
Chakechake	31	100	0	0	31	100	3,837	73	1,449	27	5,286	100
Mkoani	27	50	27	50	54	100	4,534	63	2,678	37	7,212	100
Total	**296**	**66**	**152**	**34**	**449**	**100**	**32,610**	**66**	**16,726**	**34**	**49,336**	**100**

Cont. 3.8 Number of Heads of Agricultural Households By Status of writing and reading Languages, sex of head and District,2007/08 Agricultural Year

	Total					
District	Male	%	Female	%	Total	%
North 'A'	14,869	79	4,032	21	18,901	100
North 'B'	9,391	82	2,061	18	11,452	100
Central	10,578	77	3,101	23	13,679	100
South	4,793	73	1,787	27	6,580	100
West	15,386	82	3,266	18	18,651	100
Wete	11,813	77	3,562	23	15,374	100
Micheweni	14,192	81	3,329	19	17,520	100
Chakechake	11,557	84	2,279	16	13,835	100
Mkoani	12,638	78	3,561	22	16,199	100
Total	**105,216**	**80**	**26,977**	**20**	**132,193**	**100**

3.9 Number of Agricultural Household Members Five years and Above reporting Literacy levels by Sex of Member and District, 2007/08 Agricultural Year

	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	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	30,273	66	15,593	34	45,867	100	26,997	57	20,256	43	47,253	100	57,270	62	35,849	38	93,120	100
North 'B'	21,149	77	6,261	23	27,409	100	19,418	74	6,973	26	26,391	100	40,567	75	13,234	25	53,801	100
Central	26,021	84	4,833	16	30,854	100	24,014	79	6,232	21	30,246	100	50,035	82	11,065	18	61,100	100
South	12,559	88	1,787	12	14,346	100	12,282	83	2,486	17	14,768	100	24,841	85	4,273	15	29,114	100
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
Wete	25,624	66	13,017	34	38,641	100	23,574	59	16,656	41	40,230	100	49,198	62	29,673	38	78,871	100
Micheweni	26,310	61	17,053	39	43,363	100	20,470	49	21,404	51	41,874	100	46,779	55	38,457	45	85,237	100
Chakechake	25,206	71	10,146	29	35,352	100	23,640	63	13,727	37	37,367	100	48,846	67	23,873	33	72,719	100
Mkoani	27,124	69	12,254	31	39,378	100	25,124	63	14,503	37	39,628	100	52,248	66	26,758	34	79,006	100
Total	**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**

3 .10 HOUSEHOLD DEMOGRAPHS: Number of Household Members Five Years and Above by Education Status and District

District	Eduction Status						
	Attending School	%	Completed	%	Never Attended to School	%	Total
North 'A'	34,085	14	27,753	13	31,281	17	93,120
North 'B'	20,360	8	20,767	9	12,674	7	53,801
Central	24,014	10	28,179	13	8,907	5	61,100
South	11,145	5	14,606	7	3,363	2	29,114
West	36,109	15	42,515	19	15,135	8	93,759
Wete	28,135	12	21,499	10	29,237	16	78,871
Micheweni	28,500	12	20,236	9	36,501	20	85,237
Chakechake	27,748	12	21,811	10	23,160	12	72,719
Mkoani	30,792	13	22,554	10	25,660	14	79,006
Total	**240,889**	**100**	**219,919**	**100**	**185,917**	**100**	**646,725**

3.11 Number of Heads of Agricultural Households by Education Status, sex of head and District,, 2007/08 Agricultural Year

District	Attending School						Completed					
	Male	Percent	Female	Percent	Total	Percent	Male	Percent	Female	Percent	Total	Percent
North 'A'	126	100	0	0	126	100	8,159	91	851	9	9,010	100
North 'B'	153	100	0	0	153	100	6,693	86	1,094	14	7,788	100
Central	30	100	0	0	30	100	9,089	82	1,976	18	11,065	100
South	49	100	0	0	49	100	4,338	80	1,072	20	5,410	100
West	157	71	63	29	220	100	13,031	88	1,821	12	14,852	100
Wete	102	80	26	20	128	100	7,149	89	897	11	8,046	100
Micheweni	88	75	29	25	117	100	7,271	93	555	7	7,826	100
Chakechake	279	100	0	0	279	100	7,441	90	829	10	8,270	100
Mkoani	187	100	0	0	187	100	7,970	90	910	10	8,881	100
Total	**1,171**	**91**	**118**	**9**	**1,289**	**100**	**71,141**	**88**	**10,006**	**12**	**81,147**	**100**

Cont..

3.11 Number of Heads of Agricultural Households by Education Status, sex of head and District,, 2007/08 Agricultural Year

District	Never Attended to School						Total					
	Male	Percent	Female	Percent	Total	Percent	Male	Percent	Female	Percent	Total	Percent
North 'A'	6,584	67	3,182	33	9,766	100	14,869	79	4,032	21	18,901	100
North 'B'	2,545	72	967	28	3,512	100	9,391	82	2,061	18	11,452	100
Central	1,459	56	1,125	44	2,584	100	10,578	77	3,101	23	13,679	100
South	406	36	715	64	1,121	100	4,793	73	1,787	27	6,580	100
West	2,198	61	1,382	39	3,580	100	15,386	82	3,266	18	18,651	100
Wete	4,561	63	2,639	37	7,200	100	11,813	77	3,562	23	15,374	100
Micheweni	6,833	71	2,745	29	9,578	100	14,192	81	3,329	19	17,520	100
Chakechake	3,837	73	1,449	27	5,286	100	11,557	84	2,279	16	13,835	100
Mkoani	4,480	63	2,651	37	7,131	100	12,638	78	3,561	22	16,199	100
Total	32,903	66	16,854	34	49,758	100	105,216	80	26,977	20	132,193	100

3.12 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Level of Formal Education Completion and District, 2007/08 Agricultural Year

	Education Level											
	Under Standard One		Standard One		Standard Two		Standard Three		Standard Four		Standard Five	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	0	0	221	1	567	2	1,166	4	1,670	6	1,638	6
North 'B'	76	0	102	0	382	2	865	4	1,629	8	1,272	6
Central	0	0	213	1	547	2	790	3	1,034	4	1,338	5
South	16	0	16	0	65	0	162	1	471	3	520	4
West	0	0	220	1	659	2	691	2	1,853	4	1,978	5
Wete	51	0	256	1	717	3	1,051	5	1,563	7	1,922	9
Micheweni	117	1	175	1	876	4	1,402	7	2,132	11	2,453	12
Chakechake	31	0	186	1	395	2	1,023	5	1,674	8	1,984	9
Mkoani	27	0	170	1	536	2	848	4	1,526	7	1,053	5
Total	**318**	**0**	**1,558**	**1**	**4,745**	**2**	**7,998**	**4**	**13,551**	**6**	**14,158**	**6**

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cont 3.12 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Level of Formal Education Completion and District, 2007/08 Agricultural Year

	Education Level											
	Standard Six		Standard Seven		Standard Eight		Training After Primary Education		Pre Form One		Form One	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	1,859	7	4,442	16	1,040	4	1,040	4	2,678	10	1,544	6
North 'B'	1,476	7	3,843	19	814	4	967	5	1,807	9	1,374	7
Central	1,368	5	4,681	17	1,702	6	638	2	2,979	11	1,581	6
South	1,024	7	1,495	10	861	6	357	2	731	5	1,348	9
West	2,229	5	7,913	19	1,225	3	911	2	3,171	7	2,167	5
Wete	1,435	7	2,101	10	1,051	5	666	3	1,947	9	1,742	8
Micheweni	1,869	9	3,037	15	613	3	584	3	409	2	672	3
Chakechake	1,651	8	2,713	12	1,279	6	465	2	899	4	791	4
Mkoani	2,258	10	2,919	13	1,401	6	803	4	1,187	5	1,535	7
Total	**15,168**	**7**	**33,143**	**15**	**9,986**	**5**	**6,432**	**3**	**15,808**	**7**	**12,753**	**6**

cont 3.12 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Level of Formal Education Completion and District, 2007/08 Agricultural Year

	Education Level											
	Form Two		Form Three		Form Four		Form Five		Form Six		Training After Secondary Education	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	3,843	13.8	1,638	5.9	1,985	7.2	32	0.1	221	0.8	252	0.9
North 'B'	2,290	11.0	1,272	6.1	1,527	7.4	0	0.0	127	0.6	127	0.6
Central	4,803	17.0	2,371	8.4	2,766	9.8	30	0.1	334	1.2	122	0.4
South	3,477	23.8	2,242	15.4	1,154	7.9	0	0.0	146	1.0	130	0.9
West	7,913	18.6	3,705	8.7	5,369	12.6	31	0.1	251	0.6	942	2.2
Wete	2,767	12.9	974	4.5	1,563	7.3	0	0.0	128	0.6	256	1.2
Micheweni	1,810	8.9	934	4.6	1,606	7.9	0	0.0	58	0.3	350	1.7
Chakechake	2,837	13.0	1,604	7.4	2,511	11.5	31	0.1	209	1.0	217	1.0
Mkoani	3,427	15.2	1,428	6.3	1,580	7.0	0	0.0	187	0.8	241	1.1
Total	**33,168**	**15.1**	**16,169**	**7.4**	**20,061**	**9.1**	**124**	**0.1**	**1,663**	**0.8**	**2,637**	**1.2**

cont 3.12 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Level of Formal Education Completion and District, 2007/08 Agricultural Year

	Education Level							
	University & Other Tertiary Education		Adult Education		Not applicable		Total	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	95	0	1,670	6	158	1	27,753	100
North 'B'	25	0	662	3	127	1	20,767	100
Central	122	0	638	2	122	0	28,179	100
South	32	0	260	2	97	1	14,606	100
West	314	1	879	2	94	0	42,515	100
Wete	102	0	1,025	5	179	1	21,499	100
Micheweni	58	0	905	4	175	1	20,236	100
Chakechake	31	0	1,186	5	93	0	21,811	100
Mkoani	27	0	1,178	5	223	1	22,554	100
Total	**807**	**0**	**8,403**	**4**	**1,269**	**1**	**219,919**	**100**

3.13 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Level of involvement in Farming Activivty and District, 2007/08 Agricultural Year

	Involvement in Farming									
	Works Full-time on Farm		Works Part-time on Farm		Rarely Works on Farm		Never Works on Farm		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	23,532	25	7,781	8	12,538	13	49,269	53	93,120	100
North 'B'	15,983	30	5,930	11	7,966	15	23,923	44	53,801	100
Central	16,628	27	7,417	12	10,852	18	26,203	43	61,100	100
South	5,069	17	4,955	17	5,394	19	13,696	47	29,114	100
West	15,040	16	16,108	17	14,067	15	48,544	52	93,759	100
Wete	14,734	19	8,943	11	13,325	17	41,870	53	78,871	100
Micheweni	15,038	18	12,439	15	17,053	20	40,706	48	85,237	100
Chakechake	13,727	19	9,906	14	11,487	16	37,599	52	72,719	100
Mkoani	22,117	28	8,970	11	10,898	14	37,022	47	79,006	100
Total	**141,867**	**22**	**82,449**	**13**	**103,579**	**16**	**318,831**	**49**	**646,725**	**100**

3.14 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Main Activity and District, 2007/08 Agricultural Year

	Main Activity									
	Crop/Seaweed Farming		Livestock Keeping / Herding		Livestock Pastoralist		Fishing		Fish Farming	
District	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	25,643	28	441	0	32	0	6,363	7	0	0.0
North 'B'	16,212	30	407	1	0	0	1,120	2	0	0.0
Central	17,722	29	1,003	2	30	0	1,003	2	30	0.0
South	5,816	20	97	0	0	0	1,657	6	0	0.0
West	16,014	17	1,758	2	0	0	1,601	2	0	0.0
Wete	19,321	24	615	1	51	0	2,972	4	26	0.0
Micheweni	17,842	21	350	0	58	0	6,862	8	29	0.0
Chakechake	15,176	21	341	0	0	0	2,263	3	0	0.0
Mkoani	23,411	30	375	0	0	0	2,535	3	0	0.0
Total	**157,155**	**24**	**5,388**	**1**	**172**	**0**	**26,377**	**4**	**85**	**0.0**

Cont 3.14 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Main Activity and District, 2007/08 Agricultural Year

	Main Activity									
	Government / Parastatal		Private - NGO / Mission / etc		Self Employed (Non Farmimg) with Employees		Self Employed (Non Farmimg) without Employees		Unpaid Family Helper (Non Agriculture)	
District	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	1,985	2	2,489	3	2,111	2	1,512	2	441	0
North 'B'	1,272	2	3,308	6	560	1	331	1	280	1
Central	2,857	5	2,949	5	973	2	122	0	334	1
South	1,105	4	2,388	8	1,072	4	1,690	6	374	1
West	5,024	5	6,594	7	2,606	3	1,162	1	691	1
Wete	1,691	2	1,947	2	307	0	1,051	1	1,179	1
Micheweni	1,226	1	1,810	2	818	1	1,139	1	1,489	2
Chakechake	2,449	3	1,054	1	674	1	550	1	674	1
Mkoani	1,598	2	1,357	2	616	1	482	1	268	0
Total	**19,208**	**3**	**23,896**	**4**	**9,737**	**2**	**8,038**	**1**	**5,730**	**1**

Cont 3.14 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Main Activity and District, 2007/08 Agricultural Year

	Main Activity													
	Not Working & Available		Not Working & Unavailable		Housemaker / Housewife		Student		Unable to Work / Too Old / Retired / Sick / Disabled		Other		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	3,686	4	504	1	2,835	3	34,495	37	10,333	11	252	0	93,120	100
North 'B'	1,451	3	407	1	2,392	4	20,563	38	5,472	10	25	0	53,801	100
Central	2,006	3	213	0	3,526	6	23,893	39	4,347	7	91	0	61,100	100
South	357	1	65	0	1,511	5	11,064	38	1,885	6	32	0	29,114	100
West	4,113	4	973	1	8,164	9	36,486	39	8,321	9	251	0	93,759	100
Wete	2,819	4	589	1	4,612	6	28,571	36	12,991	16	128	0	78,871	100
Micheweni	1,986	2	350	0	8,293	10	28,266	33	14,542	17	175	0	85,237	100
Chakechake	3,635	5	310	0	6,821	9	27,213	37	11,402	16	155	0	72,719	100
Mkoani	1,580	2	384	0	3,436	4	30,774	39	11,156	14	1,035	1	79,006	100
Total	21,633	3	3,796	1	41,591	6	241,325	37	80,448	12	2,146	0	646,725	100

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

District	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	%	
North 'A'	2,426	12.8	11,876	62.8	819	4.3	315	1.7	5,166	27.3	63	0.3	2,111	11.2	18,901
North 'B'	2,265	19.8	6,133	53.6	1,451	12.7	331	2.9	5,497	48.0	280	2.4	840	7.3	11,452
Central	4,195	30.7	5,350	39.1	1,459	10.7	456	3.3	6,840	50.0	669	4.9	152	1.1	13,679
South	390	5.9	4,370	66.4	439	6.7	0	0.0	780	11.9	97	1.5	1,625	24.7	6,580
West	2,920	15.7	3,360	18.0	2,952	15.8	283	1.5	10,739	57.6	628	3.4	1,350	7.2	18,651
Wete	2,537	16.5	9,942	64.7	2,460	16.0	231	1.5	8,200	53.3	51	0.3	307	2.0	15,374
Micheweni	2,745	15.7	9,811	56.0	3,183	18.2	263	1.5	8,030	45.8	0	0.0	2,336	13.3	17,520
Chakechake	2,062	14.9	7,673	55.5	961	6.9	209	1.5	6,774	49.0	0	0.0	806	5.8	13,835
Mkoani	2,972	18.3	8,461	52.2	2,213	13.7	196	1.2	8,059	49.8	214	1.3	1,482	9.1	16,199
Total	**22,511**	**17.0**	**66,978**	**50.7**	**15,936**	**12.1**	**2,283**	**1.7**	**60,085**	**45.5**	**2,003**	**1.5**	**11,009**	**8.3**	**132,193**

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

District	Land Ownership/Tenure							
	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)
North 'A'	1,725	9,248	516	210	3,012	96	1,390	16,196
North 'B'	1,870	4,340	649	343	3,823	180	538	11,744
Central	3,667	4,547	1,500	394	5,225	486	215	16,035
South	303	2,504	277	.	444	39	1,369	4,937
West	2,250	2,206	989	159	5,641	219	817	12,280
Wete	1,860	8,005	1,507	117	5,487	124	215	17,316
Micheweni	1,555	6,802	1,668	106	5,120	0	1,389	16,639
Chakechake	1,946	5,912	863	100	5,057	0	402	14,280
Mkoani	2,398	5,936	1,261	154	5,516	125	796	16,185
Total	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**	**100.0**

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

District	Was all Land Available to the Hh Used During 2007/08?				
	Yes	%	No	%	Total
North 'A'	17,263	91	1,638	9	18,901
North 'B'	10,434	91	1,018	9	11,452
Central	12,372	90	1,307	10	13,679
South	5,800	88	780	12	6,580
West	16,234	87	2,418	13	18,651
Wete	13,171	86	2,204	14	15,374
Micheweni	14,688	84	2,832	16	17,520
Chakechake	13,122	95	713	5	13,835
Mkoani	15,119	93	1,080	7	16,199
Total	118,203	89	13,990	11	132,193

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

District	Do you Consider that you have sufficient land for the Hh?				
	Yes	%	No	%	Total
North 'A'	8,506	45	10,396	55	18,901
North 'B'	3,690	32	7,762	68	11,452
Central	5,380	39	8,299	61	13,679
South	4,971	76	1,608	24	6,580
West	5,715	31	12,937	69	18,651
Wete	7,534	49	7,841	51	15,374
Micheweni	7,913	45	9,607	55	17,520
Chakechake	7,410	54	6,425	46	13,835
Mkoani	7,569	47	8,631	53	16,199
Total	**58,688**	**44**	**73,506**	**56**	**132,193**

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 District during 2007/08 Agriculture year

District	Do any Female Members of the Hh own or have customary right to Land				
	Yes	%	No	%	Total
North 'A'	12,065	64	6,836	36	18,901
North 'B'	8,068	70	3,385	30	11,452
Central	10,183	74	3,496	26	13,679
South	4,598	70	1,982	30	6,580
West	15,731	84	2,920	16	18,651
Wete	13,350	87	2,024	13	15,374
Micheweni	16,703	95	818	5	17,520
Chakechake	13,711	99	124	1	13,835
Mkoani	14,486	89	1,714	11	16,199
Total	**108,895**	**82**	**23,298**	**18**	**132,193**

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

District	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	%
North 'A'	12,349	65	4,127	22	9,703	51	3,434	18	3,339	18	63	0
North 'B'	9,111	48	1,298	11	7,431	65	2,672	23	1,858	10	25	0.1
Central	7,296	39	2,401	18	5,137	38	5,137	38	3,678	19	122	0.6
South	1,771	9	715	11	2,697	41	2,080	32	3,152	17	32	0.2
West	6,782	36	1,319	7	7,504	40	5,087	27	4,051	21	157	0.8
Wete	13,248	70	922	6	10,660	69	4,817	31	1,589	8	154	0.8
Micheweni	12,994	69	1,810	10	12,031	69	2,307	13	4,614	24	0	0.0
Chakechake	10,580	56	713	5	9,735	70	3,674	27	713	4	31	0.2
Mkoani	13,593	72	705	4	11,103	69	5,016	31	536	3	27	0.1
Total	**87,723**	**464**	**14,011**	**11**	**76,001**	**57**	**34,224**	**26**	**23,529**	**124**	**611**	**3.2**

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

District	Type of land use											
	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
North 'A'	977	5.2	0	0	126	1	32	0.2	0	0	189	18,901
North 'B'	458	2.4	25	0.1	51	0	51	0.4	25	0.2	102	11,452
Central	699	3.7	122	0.6	30	0	0	0.0	30	0.2	578	13,679
South	406	2.1	49	0.3	146	1	0	0.0	65	1.0	130	6,580
West	1,319	7.0	0	0.0	31	0	157	0.8	188	1.0	502	18,651
Wete	948	5.0	205	1.1	77	0	26	0.2	77	0.5	589	15,374
Micheweni	876	4.6	0	0.0	146	1	0	0.0	146	0.8	672	17,520
Chakechake	310	1.6	0	0.0	62	0	54	0.4	0	0.0	155	13,835
Mkoani	625	3.3	27	0.1	0	0	27	0.2	80	0.5	375	16,199
Total	**6,618**	**35.0**	**428**	**2.3**	**670**	**4**	**346**	**0.3**	**612**	**0.5**	**3,292**	**132,193**

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

District	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
North 'A'	5,977	37	2,117	13	3,788	23	1,679	10	1,515	9	77	0.5	876
North 'B'	4,536	28	525	3	3,537	22	1,554	10	1,298	11	5	0.0	172
Central	4,004	25	1,269	8	3,113	19	4,341	27	2,509	16	15	0.1	412
South	468	3	249	2	973	6	1,189	7	1,493	30	12	0.1	121
West	2,524	16	544	3	2,822	17	2,928	18	2,598	21	44	0.3	472
Wete	5,715	35	497	3	5,762	36	3,446	21	971	6	29	0.2	380
Micheweni	4,472	28	794	5	6,222	38	1,488	9	2,815	17	0	0.0	446
Chakechake	4,794	30	355	2	5,666	35	2,485	15	614	4	25	0.2	229
Mkoani	5,815	36	297	2	6,584	41	2,582	16	357	2	11	0.1	294
Total	**38,305**	**237**	**6,647**	**41**	**38,468**	**238**	**21,693**	**134**	**14,169**	**11**	**218**	**1.3**	**3,403**
%	**30.5**	**0.2**	**5.3**	**0.0**	**30.6**	**0.2**	**17.3**	**0.1**	**11.3**	**11.3**	**0.2**	**0.0**	**2.7**

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

District	Land use area										
	%	Area under Natural Bush	%	Area under Planted Trees	%	Area Rented to Others	%	Area Unusable	%	Area of Uncultivated Usable Land	Total area (ha)
North 'A'	5	0	0	89	1	16	0	0	0	62	16,196
North 'B'	1	2	0	46	0	21	0.1	3	0	44	11,744
Central	3	191	1	4	0	0	0.0	6	0	194	16,059
South	1	22	0	323	7	0	0.0	38	0	49	4,937
West	3	0	0	32	0	137	0.8	73	0	106	12,280
Wete	2	202	1	44	0	10	0.1	36	0	223	17,316
Micheweni	3	0	0	24	0	0	0.0	68	0	322	16,651
Chakechake	1	0	0	19	0	35	0.2	0	0	58	14,280
Mkoani	2	11	0	0	0	27	0.2	33	0	176	16,185
Total	**21**	**428**	**3**	**581**	**0**	**246**	**1.5**	**256**	**2**	**1,234**	**125,647**
%	**0.0**	**0.3**	**0.0**	**0.5**	**0.5**	**0.2**	**0.0**	**0.2**	**0.0**	**1.0**	**100.0**

5.0.1 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 - North 'A" District

Crop	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	945	57	725	43	1,670	100	3,402	55	2,772	45	6,174	100
Paddy	1,260	61	819	39	2,079	100	3,087	68	1,449	32	4,536	100
Sorghum	378	55	315	45	693	100	819	47	914	53	1,733	100
Bulrush Millet	126	67	63	33	189	100	32	100	0	0	32	100
Wheat	0	0	0	0	0	0	0	0	32	100	32	100
CEREALS	**2,709**	**59**	**1,922**	**41**	**4,631**	**100**	**7,340**	**59**	**5,166**	**41**	**12,506**	**100**
Cassava	63	100	0	0	63	100	63	100	0	0	63	100
Sweet Potato	1,670	61	1,071	39	2,741	100	1,197	44	1,512	56	2,709	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	-	-
Yams	1,953	68	914	32	2,867	100	1,512	75	504	25	2,016	100
Coco Yam	221	88	32	13	252	100	158	83	32	17	189	100
ROOTS & TUBERS	**4,001**	**66**	**2,079**	**34**	**6,080**	**100**	**3,024**	**59**	**2,079**	**41**	**5,103**	**100**
Beans	0	0	32	100	32	100	189	75	63	25	252	100
Cowpeas	315	63	189	38	504	100	504	34	977	66	1,481	100
Green gram	315	53	284	47	599	100	221	17	1,103	83	1,323	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**630**	**56**	**504**	**44**	**1,134**	**100**	**914**	**30**	**2,142**	**70**	**3,056**	**100**
Groundnut	63	100	0	0	63	100	32	100	0	0	32	100
OIL SEEDS & OIL NUTS	**63**	**100**	**0**	**0**	**63**	**100**	**32**	**100**	**0**	**0**	**32**	**100**

5.0.1 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 - North 'A" District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	126	80	32	20	158	100	347	58	252	42	599	100
Radish	0	0	32	100	32	100	126	80	32	20	158	100
Turmeric	189	60	126	40	315	100	126	57	95	43	221	100
Bitteer Aubergine	32	100	0	0	32	100	95	100	0	0	95	100
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	504	80	126	20	630	100	315	45	378	55	693	100
Carrot	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	32	100	32	100
Amaranths	95	100	0	0	95	100	32	100	0	0	32	100
Pumpkins	95	60	63	40	158	100	221	35	410	65	630	100
Cucumber	0	0	0	0	0	0	0	0	32	100	32	100
Egg Plant	410	93	32	7	441	100	315	77	95	23	410	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**1,449**	**78**	**410**	**22**	**1,859**	**100**	**1,575**	**54**	**1,323**	**46**	**2,898**	**100**
Seaweed	95	60	63	40	158	100	95	75	32	25	126	100
CASH CROPS	**95**	**60**	**63**	**40**	**158**	**100**	**95**	**75**	**32**	**25**	**126**	**100**
Total	**8,852**	**64**	**4,914**	**36**	**13,766**	**100**	**12,884**	**55**	**10,711**	**45**	**23,595**	**100**

5.0.2 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - North 'A'

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	215	57	164	43	378	100	918	61	590	39	1,508	100
Paddy	434	65	230	35	663	100	1,337	73	492	27	1,829	100
Sorghum	108	60	71	40	180	100	240	64	133	36	373	100
Bulrush Millet	13	67	6	33	19	100	3	100	0	0	3	100
CEREALS	**769**	**62**	**471**	**38**	**1,241**	100	**2,498**	**67**	**1,220**	**33**	**3,719**	**100**
Cassava	16	100	0	0	16	100	16	100	0	0	16	100
Sweet Potato	495	69	219	31	714	100	255	48	280	52	535	100
Yams	445	72	175	28	620	100	306	75	100	25	406	100
Coco Yam	43	95	2	5	46	100	22	77	6	23	28	100
ROOTS & TUBERS	**999**	**72**	**396**	**28**	**1,396**	**100**	**599**	**61**	**386**	**39**	**986**	**100**
Beans	0	0	6	100	6	100	41	76	13	24	54	100
Cowpeas	64	56	51	44	115	100	122	51	115	49	237	100
Green gram	70	55	58	46	128	100	39	14	230	86	268	100
												0
PULSES	**133**	**54**	**115**	**46**	**249**	**100**	**202**	**36**	**358**	**64**	**560**	**100**
Groundnut	11	100	0	0	11	100	3	100	0	0	3	100
OIL SEEDS & OIL NUTS	11	100	0	0	11	100	3	100	0	0	3	100

5.0.2 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - North 'A'

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Okra	11	64	6	36	18	100	91	52	83	48	174	100
Radish	0	0	6	100	6	100	33	72	13	28	45	100
Turmeric	32	75	11	25	42	100	64	79	17	21	81	100
Bitteer Aubergine	1	100	0	0	1	100	22	100	0	-	22	100
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	106	87	16	13	122	100	59	60	39	40	98	100
Carrot	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	0	100	0	100
Amaranths	8	100	0	0	8	100	10	100	0	0	10	100
Pumpkins	21	74	7	26	28	100	47	52	44	48	91	100
Cucumber	0	0	0	0	0	0	0	0	6	100	6	100
Egg Plant	61	90	6	10	67	100	58	90	7	10	65	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**240**	**82**	**53**	**18**	**293**	**100**	**383**	**65**	**209**	**35**	**592**	**100**
Seaweed	10	50	10	50	19	100	10	75	3	25	13	100
CASH CROPS	10	50	10	50	19	100	10	75	3	25	13	100
Total	**2,163**	**67**	**1,045**	**33**	**3,209**	**100**	**3,696**	**63**	**2,177**	**37**	**5,872**	**100**

5.0.3 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 - North 'B' District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	891	81	204	19	1,094	100	458	90	51	10	509	100
Paddy	1,680	75	560	25	2,240	100	3,716	65	1,985	35	5,701	100
Sorghum	204	89	25	11	229	100	127	56	102	44	229	100
Bulrush Millet	102	80	25	20	127	100	0	0	0	0	0	0
CEREALS	**2,876**	**78**	**814**	**22**	**3,690**	**100**	**4,301**	**67**	**2,138**	**33**	**6,439**	**100**
Cassava	0	0	25	100	25	100	25	100	0	0	25	100
Sweet Potato	1,832	74	636	26	2,469	100	1,705	83	356	17	2,061	100
Irish potatoes	51	100	0	0	51	100	0	0	0	0	0	0
Yams	484	83	102	17	585	100	127	100	0	0	127	100
Coco Yam	458	90	51	10	509	100	204	89	25	11	229	100
ROOTS & TUBERS	**2,825**	**78**	**814**	**22**	**3,639**	**100**	**2,061**	**84**	**407**	**16**	**2,469**	**100**
Beans	25	100	0	0	25	100	0	0	0	0	0	0
Cowpeas	204	57	153	43	356	100	25	50	25	50	51	100
Green gram	51	67	25	33	76	100	0	0	25	100	25	100
Bambaranuts	0	0	25	100	25	100	0	0	0	0	0	0
PULSES	**280**	**58**	**204**	**42**	**484**	**100**	**25**	**33**	**51**	**67**	**76**	**100**
Groundnut	204	73	76	27	280	100	127	83	25	17	153	100
OIL SEEDS & OIL NUTS	**204**	**73**	**76**	**27**	**280**	**100**	**127**	**83**	**25**	**16**	**152**	**100**

5.0.3 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 - North 'B' District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	102	50	102	50	204	100	25	100	0	0	25	100
Radish	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	51	50	51	50	102	100	102	100	0	0	102	100
Zukkin	25	100	0	0	25	100	0	0	0	0	-	-
Tomatoes	254	77	76	23	331	100	331	100	0	0	331	100
Carrot	0	0	25	100	25	100	0	0	0	0	0	0
Chillies	25	33	51	67	76	100	0	0	0	0	-	-
Amaranths	382	79	102	21	484	100	127	100	0	0	127	100
Pumpkins	102	80	25	20	127	100	0	0	0	0	-	-
Cucumber	254	77	76	23	331	100	76	75	25	25	102	100
Egg Plant	254	91	25	9	280	100	356	100	0	0	356	100
Water Mellon	25	50	25	50	51	100	0	0	25	100	25	100
FRUITS & VEGETABLES	**1,476**	**73**	**560**	**28**	**2,036**	**100**	**1,018**	**95**	**51**	**5**	**1,069**	**100**
Seaweed	0	0	0	0	0	0	0	0	25	100	25	100
CASH CROPS	0	0	0	0	0	0	0	0	25	100	25	100
Total	**7,660**	**76**	**2,468**	**24**	**10,129**	**100**	**7,533**	**74**	**2,672**	**26**	**10,205**	**100**

5.0.4 Planted Area by season and Sex of Household Members owning Most of the crop for the Agriculture year 2007/08 - North 'B'

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	195	83	41	17	236	100	98	86	15	14	113	100
Paddy	688	78	198	22	886	100	1,501	68	710	32	2,211	100
Sorghum	38	88	5	12	43	100	40	69	18	31	58	100
Bulrush Millet	11	69	5	31	16	100	0	0	0	0	0	0
Wheat	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**737**	**78**	**209**	**22**	**945**	**100**	**1,541**	**68**	**728**	**32**	**2,269**	**100**
Cassava	0	0	3	0	3	0	21	0	0	0	21	-
Sweet Potato	518	76	161	24	679	100	668	89	81	11	749	100
Irish potatoes	6	0	0	0	6	0	0	0	0	0	0	0
Yams	115	84	22	16	137	100	29	0	0	0	29	0
Coco Yam	80	98	2	2	82	100	43	94	3	6	45	100
ROOTS & TUBERS	**720**	**79**	**187**	**21**	**907**	**100**	**761**	**183**	**84**	**17**	**844**	

5.0.4 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - North 'B'

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Beans	10	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	34	56	26	44	60	100	2	44	3	56	5	100
Green gram	5	31	10	69	15	100	0	0	5	100	5	100
Bambaranuts	0	0	10	0	0	0	0	0	0	0	0	0
PULSES	**49**	**65**	**47**	**62**	**75**	**127**	**2**	**21**	**8**	**79**	**10**	**100**
Groundnut	44	77	13	0	57	77	39	88	5	12	44	100
OIL SEEDS & OIL NUTS	**44**	**77**	**13**	**0**	**57**	**77**	**39**	**88**	**5**	**12**	**44**	**100**
Okra	23	81	5	19	28	100	3	0	0	0	3	0
Radish	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	4	87	1	0	5	87	12	0	0	0	0	0
Zukkin	5	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	40	87	6	13	46	100	48	0	0	0	48	0
Carrot	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	3	0	3	0	0	0	0	0	0	0	0	0
Amaranths	47	88	6	0	53	88	18	0	0	0	0	0
Pumpkins	9	63	5	37	14	100	0	0	0	0	0	0
Cucumber	41	0	12	0	0	0	26	0	5	17	31	17
Egg Plant	43	99	1	1	43	100	42	0	0	0	0	0
Water Mellon	21	0	0	0	0	0	0	0	5	0	0	0
FRUITS & VEGETABLES	**234**	**86**	**39**	**14**	**273**	**100**	**148**	**93**	**10**	**7**	**158**	**100**
Seaweed	0	0	0	0	0	0	0		10	100	10	100
CASH CROPS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**	**100**	**10**	**100**
Total	**1,979**	**79**	**536**	**21**	**2,515**	**100**	**2,587**	**75**	**861**	**25**	**3,448**	**100**

5.0.5 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 - West District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	No. of Hholds	%	No. of Hholds	%	Number	%	No. of Hholds	%	No. of Hholds	%	Number	%
Maize	722	68	345	32.4	1,068	100	754	77	220	23	973	100.0
Paddy	628	48	691	52.4	1,319	100	2,763	58	2,041	42	4804	100.0
Sorghum	0	0	0	0.0	0	0	31	100	0	0	31	100.0
CEREALS	**1,350**	**57**	**1,036**	**43.4**	**2,386**	**100**	**3,548**	**61**	**2,261**	**39**	**5809**	**100.0**
Cassava	31	100	0	0.0	31	100	31	50	31	50	63	100.0
Sweet Potato	1,413	65	754	34.8	2,167	100	1,539	80	377	20	1915	100.0
Irish potatoes	63	100	0	0.0	63	100	31	100	0	0	31	100.0
Yams	879	97	31	3.4	911	100	345	85	63	15	408	100.0
Coco Yam	314	83	63	16.7	377	100	408	87	63	13	471	100.0
ROOTS & TUBERS	**2,700**	**76**	**848**	**23.9**	**3,548**	**100**	**2,386**	**82**	**534**	**18**	**2920**	**100.0**
Cowpeas	126	67	63	33.3	188	100	157	100	0	0	157	100.0
Green gram	31	100	0	0.0	31	100	31	100	0	0	31	100.0
Bambaranuts	0	0	31	100.0	31	100	0	0	0	0	0	0.0
PULSES	**157**	**63**	**94**	**37.5**	**251**	**100**	**188**	**100**	**0**	**0**	**188**	**100.0**
Groundnut	94	33	188	66.7	283	100	94	60	63	40	157	100.0
OIL SEEDS & OIL NUTS	**94**	**33**	**188**	**66.7**	**283**	**100**	**94**	**60**	**63**	**40**	**157**	**100.0**

5.0.5 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 - West District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	No. of Hholds	%	No. of Hholds	%	Number	%	No. of Hholds	%	No. of Hholds	%	Number	%
Okra	314	83	63	16.7	377	100	408	100	0	0	408	100.0
Turmeric	0	0	0	0.0	0	0	0	0	31	100	31	100.0
Bitteer Aubergine	126	67	63	33.3	188	100	31	50	31	50	63	100.0
Kothmir	0	0	31	100.0	31	100	0	0	0	0	0	0.0
Onion	63	100	0	0.0	63	100	0	0	0	0	0	0.0
Cabbage	31	100	0	0.0	31	100	0	0	0	0	0	0.0
Tomatoes	502	70	220	30.4	722	100	502	89	63	11	565	100.0
Carrot	31	100	0	0.0	31	100	0	0	0	0	0	0.0
Chillies	157	71	63	28.6	220	100	94	100	0	0	94	100.0
Amaranths	283	75	94	25.0	377	100	157	71	63	29	220	100.0
Pumpkins	126	80	31	20.0	157	100	63	100	0	0	63	100.0
Cucumber	283	90	31	10.0	314	100	126	80	31	20	157	100.0
Egg Plant	345	69	157	31.3	502	100	314	77	94	23	408	100.0
Water Mellon	63	100	0	0.0	63	100	0	0	0	0	0	0.0
FRUITS & VEGETABLES	**2,324**	**76**	**754**	**24.5**	**3,077**	**100**	**1,696**	**84**	**314**	**16**	**2010**	**100.0**
Seaweed	0	0	0	0.0	0	0	31	100	0	0	31	100.0
CASH CROPS	**0**	**0**	**0**	**0.0**	**0**	**0**	**31**	**100**	**0**	**0**	**31**	**100.0**
Total	**6,625**	**69**	**2,920**	**30.6**	**9,545**	**100**	**7,913**	**71**	**3,171**	**29**	**11084**	**100.0**

5.0.6 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - West District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	103	63	61	37	164	100	168	88	23	12	191	100
Paddy	178	54	150	46	328	100	1,004	58	741	42	1,745	100
Sorghum	0	0	0	0	0	0	3	0	0	0	3	0
CEREALS	**281**	**57**	**211**	**43**	**492**	**100**	**1,175**	**61**	**764**	**39**	**1,939**	**100**
Cassava	11	100	0	0	11	100	13	80	3	20	16	100
Sweet Potato	312	69	140	31	453	100	289	81	67	19	356	100
Irish potatoes	4	100	0	0	4	100	3	0	0	0	3	0
Yams	194	98	3	2	197	100	42	82	10	18	52	100
Coco Yam	31	77	9	23	40	100	64	86	11	14	75	100
ROOTS & TUBERS	**553**	**78**	**153**	**22**	**706**	**100**	**413**	**82**	**90**	**18**	**504**	**100**
Cowpeas	49	66	25	34	74	100	28	0	0	0	0	0
Green gram	3	0	0	0	0	0	3	0	0	0	0	0
Bambaranuts	0	0	6	0	0	0	0	0	0	0	0	0
PULSES	**52**	**62**	**32**	**38**	**84**	**100**	**32**	**0**	**0**	**0**	**0**	**0**
Groundnut	7	18	33	82	40	100	29	65	15	35	44	100
OIL SEEDS & OIL NUTS	**7**	**18**	**33**	**82**	**40**	**100**	**29**	**65**	**15**	**35**	**44**	**100**

5.0.6 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - West'

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Okra	31	76	10	24	40	100	51	0	0	0	0	0
Turmeric	.	0	0	0	0	0	0	0	6	0	0	0
Bitteer Aubergine	10	58	7	42	17	100	1	17	3	83	4	100
Kothmir	0	0	2	0	2	0	0	0	0	0	0	0
Onion	6	0	0	0	0	0	0	0	0	0	0	0
Cabbage	3	0	0	0	3	0	0	0	0	0	0	0
Tomatoes	75	76	24	24	99	100	80	93	6	7	87	100
Carrot	3	0	.	0	0	0	0	0	0	0	0	0
Chillies	16	76	5	24	21	100	14	0	0	0	0	0
Amaranths	26	72	10	28	36	100	17	71	7	29	24	100
Pumpkins	22	78	6	22	29	100	19	0	0	0	0	0
Cucumber	57	97	2	3	59	100	16	45	19	55	35	100
Egg Plant	59	65	31	35	90	100	54	82	12	18	66	100
Water Mellon	6	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**316**	**77**	**96**	**23**	**412**	**100**	**253**	**82**	**54**	**18**	**307**	**100**
Seaweed	0	0	0	0	0	0	2	100	0	0	2	100
CASH CROPS	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**2**	**0**
Total	**1,209**	**70**	**525**	**30**	**1,734**	**100**	**1,901**	**67**	**923**	**33**	**2,825**	**100**

5.0.7 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 - Wete District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	No. of Hholds	%	No. of Hholds	%	Number	%	No. of Hholds	%	No. of Hholds	%	Number	%
Maize	51	40	77	60	128	100	922	64	512	36	1,435	100
Paddy	102	67	51	33	154	100	5,945	47	6,739	53	12,684	100
Sorghum	26	100	0	0	26	100	692	63	410	37	1,102	100
Bulrush Millet	0	0	154	100	154	100	0	0	0	0	0	0
Finger Millet	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
CEREALS	**179**	**39**	**282**	**61**	**461**	**100**	**7,559**	**50**	**7,662**	**50**	**15,221**	**100**
Cassava	26	100	0	0	26	100	26	33	51	67	77	100
Sweet Potato	307	80	77	20	384	100	1,563	66	794	34	2,357	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0
Yams	0	0	0	0	0	0	0	0	0	0	0	0
Coco Yam	0	0	0	0	0	0	179	78	51	22	231	100
ROOTS & TUBERS	**333**	**81**	**77**	**19**	**410**	**100**	**1,768**	**66**	**897**	**34**	**2,665**	**100**
Beans	0	0	26	100	26	100	0	0	0	0	0	0
Cowpeas	589	50	589	50	1,179	100	51	50	51	50	102	100
Green gram	102	50	102	50	205	100	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**692**	**49**	**717**	**51**	**1,409**	**100**	**51**	**50**	**51**	**50**	**102**	**100**
Groundnut	0	0	0	0	0	0	26	50	26	50	51	100
OIL SEEDS & OIL NUTS	**0**	**0**	**0**	**0**	**0**	**0**	**26**	**50**	**26**	**50**	**51**	**100**

5.0.7 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 - Wete District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	No. of Hholds	%	No. of Hholds	%	Number	%	No. of Hholds	%	No. of Hholds	%	Number	%
Okra	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	77	100	0	0	77	100
Tomatoes	205	89	26	11	231	100	102	67	51	33	154	100
Spinach	26	100	0	0	26	100	0	0	0	0	0	0
Chillies	0	0	0	0	0	0	26	100	0	0	26	100
Amaranths	26	20	102	80	128	100	128	100	0	0	128	100
Pumpkins	0	0	0	0	0	0	26	100	0	0	26	100
Cucumber	26	100	0	0	26	100	26	50	26	50	51	100
Egg Plant	0	0	26	100	26	100	154	67	77	33	231	100
FRUITS & VEGETABLES	**282**	**65**	**154**	**35**	**436**	**100**	**538**	**78**	**154**	**22**	**692**	**100**
Seaweed	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CASH CROPS	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**1,486**	**55**	**1,230**	**45**	**2,716**	**100**	**9,942**	**53**	**8,789**	**47**	**18,731**	**100**

5.0.8 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - Wete District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	24	47	27	53	51	100	231	69.3	102	31	334	100.0
Paddy	36	78	10	22	47	100	2,406	50.1	2,393	50	4,799	100.0
Sorghum	10	100	0	0	10	100	170	72.7	64	27	234	100.0
Bulrush Millet	0	0	39	100	39	100	0	0.0	0	0	0	0.0
Finger Millet	0	0	0	0	0	0	0	0.0	0	0	0	0.0
CEREALS	**70**	**48**	**76**	**52**	**147**	**100**	**2,807**	**52.3**	**2,559**	**48**	**5,366**	**100.0**
Cassava	6	100	0	0	6	100	10	50.0	10	50	21	100.0
Sweet Potato	104	79	27	21	131	100	358	66.6	180	33	538	100.0
Irish potatoes	0	0	0	0	0	0	0	0.0	0	0	0	0.0
Yams	0	0	0	0	0	0	0	0.0	0	0	0	0.0
Coco Yam	0	0	0	0	0	0	29	84.6	5	15	34	100.0
ROOTS & TUBERS	**110**	**80**	**27**	**20**	**137**	**100**	**397**	**67.0**	**196**	**33**	**593**	**100.0**
Beans	0	0	5	100	5	100	0	0.0	0	0	0	0.0
Cowpeas	155	50	158	50	313	100	16	66.7	8	33	23	100.0
Green gram	23	48	25	52	48	100	0	0.0	0	0	0	0.0
Bambaranuts	0	0	0	0	0	0	0	0.0	0	0	0	0.0
PULSES	**178**	**49**	**188**	**51**	**367**	**100**	**16**	**66.7**	**8**	**33**	**23**	**100.0**
Groundnut	0	0	0	0	0	0	5	62.5	3	38	8	100.0
OIL SEEDS & OIL NUTS	**0**	**0**	**0**	**0**	**0**	**0**	**5**	**62.5**	**3**	**38**	**8**	**100.0**
Okra	0	0	0	0	0	0	0	0.0	0	0	0	0.0
Turmeric	0	0	0	0	0	0	31	100.0	0	0	31	100.0
Tomatoes	43	89	5	11	49	100	20	67.9	9	32	29	100.0
Spinach	5	100	0	0	5	100	0	0.0	0	0	0	0.0
Chillies	0	0	0	0	0	0	1	100.0	0	0	1	100.0
Amaranths	3	17	13	83	16	100	11	100.0	0	0	11	100.0
Pumpkins	0	0	0	0	0	0	5	100.0	0	0	5	100.0
Cucumber	10	100	0	0	10	100	1	54.5	1	45	2	100.0
Egg Plant	0	0	3	100	3	100	10	65.6	5	34	16	100.0
FRUITS & VEGETABLES	**62**	**75**	**21**	**25**	**82**	**100**	**80**	**83.6**	**16**	**16**	**96**	**100.0**
Seaweed	0	0	0	0	0	0	0	0.0	0	0	0	0.0
CASH CROPS	0	0	0	0	0	0	0	0.0	0	0	0	0.0
Total	**420**	**57**	**312**	**43**	**733**	**100**	**3,305**	**54.3**	**2,781**	**46**	**6,087**	**100.0**

5.0.9 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 - Micheweni District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	0	0	0	0	0	0	204	35	380	65	584	100
Paddy	58	20	234	80	292	100	5,782	63	3,446	37	9,227	100
Sorghum	380	62	234	38	613	100	1,606	46	1,869	54	3,475	100
Bulrush Millet	1,664	59	1,168	41	2,832	100	175	19	730	81	905	100
Finger Millet	0	0	0	0	0	0	0	0	29	100	29	100
Wheat	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**2,102**	**56**	**1,635**	**44**	**3,738**	**100**	**7,767**	**55**	**6,453**	**45**	**14,221**	**100**
Cassava	0	0	0	0	0	0	29	100	0	0	29	100
Sweet Potato	788	68	380	33	1,168	100	3,504	73	1,285	27	4,789	100
Irish potatoes	0	0	0	0	0	0	29	100	0	0	29	100
Yams	29	100	0	0	29	100	29	100	0	0	29	100
Coco Yam	29	100	0	0	29	100	146	83	29	17	175	100
ROOTS & TUBERS	**847**	**69**	**380**	**31**	**1,226**	**100**	**3,767**	**74**	**1,343**	**26**	**5,110**	**100**
Beans	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	204	54	175	46	380	100	117	80	29	20	146	100
Green gram	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	58	100	0	0	58	100	0	0	0	0	0	0
PULSES	**263**	**60**	**175**	**40**	**438**	**100**	**117**	**80**	**29**	**20**	**146**	**100**
Groundnut	175	100	0	0	175	100	0	0	58	100	58	100
OIL SEEDS & OIL NUTS	**175**	**100**	**0**	**0**	**175**	**100**	**0**	**0**	**58**	**100**	**58**	**100**

5.0.9 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 - Micheweni District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Okra	29	100	0	0	29	100	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	58	100	0	0	58	100	204	54	175	46	380	100
Spinach	0	0	0	0	0	0	29	100	0	0	29	100
Chillies	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	58	100	0	0	58	100	29	100	0	0	29	100
Pumpkins	0	0	0	0	0	0	29	100	0	0	29	100
Cucumber	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	29	100	0	0	29	100	29	100	0	0	29	100
FRUITS & VEGETABLES	**175**	**100**	**0**	**0**	**175**	**100**	**321**	**65**	**175**	**35**	**496**	**100**
Seaweed	0	0	0	0	0	0	29	50	29	50	58	100
CASH CROPS	**0**	**0**	**0**	**0**	**0**	**0**	**29**	**50**	**29**	**50**	**58**	**100**
Total	**3,562**	**62**	**2,190**	**38**	**5,753**	**100**	**11,972**	**60**	**8,059**	**40**	**20,032**	**100**

5.0.10 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - Micheweni District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	0	0	0	0	0	0	33	32.7	67	67.3	100	100
Paddy	47	40	71	60	118	100	1,720	66.6	861	33.4	2,580	100
Sorghum	86	69	39	31	125	100	394	47.9	428	52.1	822	100
Bulrush Millet	405	60	275	40	680	100	59	27.9	153	72.1	212	100
Finger Millet	0	0	0	0	0	0	0	0.0	18	100.0	18	100
Wheat	0	0	0	0	0	0	0	0.0	0	0.0	0	0
CEREALS	**538**	**58**	**385**	**42**	**923**	**100**	**2,205**	**59.1**	**1,527**	**40.9**	**3,732**	**100**
Cassava	0	0	0	0	0	0	24	100.0	0	0.0	24	100
Sweet Potato	220	78	61	22	281	100	1,087	79.3	283	20.7	1,371	100
Irish potatoes	0	0	0	0	0	0	4	100.0	0	0.0	4	100
Yams	6	100	0	0	6	100	9	100.0	0	0.0	9	100
Coco Yam	3	100	0	0	3	100	13	68.2	6	31.8	19	100
ROOTS & TUBERS	**229**	**79**	**61**	**21**	**290**	**100**	**1,142**	**79.5**	**295**	**20.5**	**1,438**	**100**
Beans	0	0	0	0	0	0	0	0.0	0	0.0	0	0
Cowpeas	32	50	33	50	65	100	30	91.1	3	8.9	33	100
Green gram	0	0	0	0	0	0	0	0.0	0	0.0	0	0
Bambaranuts	9	100	0	0	9	100	0	0.0	0	0.0	0	0
PULSES	**41**	**56**	**33**	**44**	**74**	**100**	**30**	**91.1**	**3**	**8.9**	**33**	**100**
Groundnut	25	100	0	0	25	100	0	0.0	9	100.0	9	100
OIL SEEDS & OIL NUTS	**25**	**100**	**0**	**0**	**25**	**100**	**0**	**0.0**	**9**	**100.0**	**9**	**100**

5.0.10 Planted Area by season and Sex of Household members owning most of the crop for the agriculture year 2007/08 - Micheweni District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Okra	2	100	0	0	2	100	0	0.0	0	0.0	0	0
Turmeric	0	0	0	0	0	0	0	0.0	0	0.0	0	0
Tomatoes	7	100	0	0	7	100	25	61.2	16	38.8	41	100
Spinach	0	0	0	0	0	0	1	100.0	0	0.0	1	100
Chillies	0	0	0	0	0	0	0	0.0	0	0.0	0	0
Amaranths	4	100	0	0	4	100	3	100.0	0	0.0	3	100
Pumpkins	0	0	0	0	0	0	2	100.0	0	0.0	2	100
Cucumber	0	0	0	0	0	0	0	0.0	0	0.0	0	0
Egg Plant	2	100	0	0	2	100	3	100.0	0	0.0	3	100
FRUITS & VEGETABLES	**15**	**100**	**0**	**0**	**15**	**100**	**35**	**68.6**	**16**	**31.4**	**51**	**100**
Seaweed	0	0	0	0	0	0	6	50.0	6	50.0	12	100
CASH CROPS	0	0	0	0	0	0	6	50.0	6	50.0	12	100
Total	**849**	**64**	**478**	**36**	**1,327**	**100**	**3,413**	**64.8**	**1,850**	**35.2**	**5,263**	**100**

5.0.11 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 - Chakechake District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	93	75	31	25	124	100	589	95	31	5	620	100
Paddy	62	100	0	0	62	100	7,038	65	3,790	35	10,828	100
Sorghum	124	100	0	0	124	100	31	33	62	67	93	100
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**279**	**90**	**31**	**10**	**310**	**100**	**7,658**	**66**	**3,883**	**34**	**11,541**	**100**
Cassava	0	0	0	0	0	0	62	100	0	0	62	100
Sweet Potato	62	100	0	0	62	100	217	78	62	22	279	100
Irish potatoes	0	0	0	0	0	0	31	100	0	0	31	100
Yams	0	0	0	0	0	0	31	100	0	0	31	100
Coco Yam	31	100	0	0	31	100	217	88	31	13	248	100
ROOTS & TUBERS	**93**	**100**	**0**	**0**	**93**	**100**	**558**	**86**	**93**	**14**	**651**	**100**
Cowpeas	310	61	202	39	512	100	62	100	0	0	62	100
Green gram	31	100	0	0	31	100	0	0	0	0	0	0
PULSES	**341**	**63**	**202**	**37**	**543**	**100**	**62**	**100**	**0**	**0**	**62**	**100**
Groundnut	124	50	124	50	248	100	806	74	279	26	1,085	100
OIL SEEDS & OIL NUTS	**124**	**50**	**124**	**50**	**248**	**100**	**806**	**74**	**279**	**26**	**1,085**	**100**
Okra	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	31	100	0	0	31	100
Tomatoes	31	100	0	0	31	100	93	100	0	0	93	100
Amaranths	0	0	31	100	31	100	31	100	0	0	31	100
Pumpkins	0	0	0	0	0	0	62	100	0	0	62	100
Cucumber	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	0	0	0	0	0	0	62	100	0	0	62	100
Water Mellon	0	0	0	0	0	0	31	100	0	0	31	100
FRUITS & VEGETABLES	31	50	31	50	62	100	310	100	0	0	310	100
Seaweed	0	0	0	0	0	0	31	100	0	0	31	100
CASH CROPS	**0**	**0**	**0**	**0**	**0**	**0**	**31**	**100**	**0**	**0**	**31**	**100**
Total	**868**	**69**	**388**	**31**	**1,256**	**100**	**9,394**	**69**	**4,255**	**31**	**13,649**	**100**

5.0.12 Planted Area by Season and Sex of Household members owning most of the crop for the Agriculture year 2007/08 - Chakechake District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	8	39	13	61	21	100	120	98	3	2	122	100
Paddy	13	100	0	0	13	100	3,082	68	1,431	32	4,513	100
Sorghum	17	100	0	0	17	100	1	11	10	89	11	100
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**38**	**75**	**13**	**25**	**51**	**100**	**3,203**	**69**	**1,443**	**31**	**4,646**	**100**
Yam	0	0	0	0	0	0	0	0	0	0	0	0
Cassava	0	0	0	0	0	0	25	0	0	0	0	0
Sweet Potato	13	100	0	0	13	100	62	91	6	9	69	100
Irish potatoes	0	0	0	0	0	0	3	100	0	0	3	100
Yams	0	0	0	0	0	0	3	100	0	0	3	100
Coco Yam	6	100	0	0	6	100	55	90	6	10	61	100
ROOTS & TUBERS	**19**	**100**	**0**	**0**	**19**	**100**	**149**	**92**	**13**	**8**	**161**	**100**
Cowpeas	113	69	50	31	163	100	6	0	0	0	0	0
Green gram	6	100	0	0	6	100	.	0	0	0	0	0
PULSES	**119**	**70**	**50**	**30**	**169**	**100**	**6**	**0**	**0**	**0**	**0**	**0**
Groundnut	53	63	31	37	85	100	215	73	78	27	294	100
OIL SEEDS & OIL NUTS	**53**	**63**	**31**	**37**	**85**	**100**	**215**	**73**	**78**	**27**	**294**	**100**
Okra	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	3	0	0	0	0	0
Tomatoes	9	100	0	0	9	100	13	0	0	0	0	0
Amaranths	0	0	3	100	3	100	11	0	0	0	0	0
Pumpkins	0	0	0	0	0	0	7	0	0	0	0	0
Cucumber	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	0	0	0	0	0	0	7	0	0	0	0	0
Water Mellon	0	0	0	0	0	0	4	0	0	0	0	0
FRUITS & VEGETABLES	**9**	**75**	**3**	**25**	**13**	**100**	**44**	**0**	**0**	**0**	**0**	**0**
Seaweed	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**100**	**0**	**0**	**3**	**100**
CASH CROPS	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**100**	**0**	**0**	**3**	**100**
Total	**239**	**71**	**97**	**29**	**336**	**100**	**3,618**	**70**	**1,534**	**30**	**5,152**	**100**

5.0.13 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 - Mkoani District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	No. of Hholds	%	No. of Hholds	%	Number	%	No. of Hholds	%	No. of Hholds	%	Number	%
Maize	295	79	80	21	375	100	357	77	107	23	464	100
Paddy	134	56	107	44	241	100	7,363	57	5,569	43	12,933	100
Sorghum	54	100	0	0	54	100	80	75	27	25	107	100
Bulrush Millet	295	73	107	27	402	100	0	0	0	0	0	0
CEREALS	**776**	**73**	**295**	**28**	**1,071**	**100**	**7,801**	**58**	**5,703**	**42**	**13,504**	**100**
Cassava	0	0	0	0	0	0	161	75	54	25	214	100
Sweet Potato	107	80	27	20	134	100	161	75	54	25	214	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0
Yams	54	100	0	0	54	100	0	0	0	0	0	0
Coco Yam	80	100	0	0	80	100	241	82	54	18	295	100
ROOTS & TUBERS	**241**	**82**	**54**	**18**	**295**	**100**	**723**	**63**	**428**	**37**	**1,151**	**100**
Cowpeas	536	59	375	41	910	100	187	37	321	63	509	100
Green gram	27	100	0	0	27	100	0	0	0	0	0	0
PULSES	**562**	**60**	**375**	**40**	**937**	**100**	**187**	**37**	**321**	**63**	**509**	**100**
Groundnut	27	50	27	50	54	100	27	100	0	0	27	100
OIL SEEDS & OIL NUTS	**27**	**50**	**27**	**50**	**54**	**100**	**27**	**100**	**0**	**0**	**27**	**100**
Okra	27	100	0	0	27	100	0	0	0	0	0	0
Turmeric	27	100	0	0	27	100	54	100	0	0	54	100
Tomatoes	54	67	27	33	80	100	348	76	107	24	455	100
Amaranths	80	75	27	25	107	100	0	0	0	0	0	0
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0
Cucumber	27	100	0	0	27	100	0	0	0	0	0	0
Egg Plant	54	100	0	0	54	100	27	100	0	0	27	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**268**	**83**	**54**	**17**	**321**	**100**	**428**	**80**	**107**	**20**	**536**	**100**
Seaweed	0	0	27	100	27	100	161	38	268	63	428	100
CASH CROPS	**0**	**0**	**27**	**100**	**27**	**100**	**161**	**38**	**268**	**63**	**428**	**100**
Total	**1,874**	**70**	**803**	**30**	**2,678**	**100**	**9,166**	**58**	**6,560**	**42**	**15,726**	**100**

5.0.14 Planted Area by season and Sex of Household members owning most of the crop for the Agriculture year 2007/08 -Mkoani District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	56	74.564	19	25.436	75	100	61	72.96137	23	27.0386	84	100
Paddy	43	56	34	44	78	100	2,991	60	1,987	40	4,978	100
Sorghum	11	0	0	0	0	0	13	71	5	29	18	100
Bulrush Millet	89	77	27	23	117	100	0	0	0	0	0	0
CEREALS	**199**	**71**	**80**	**29**	**279**	**100**	**3,065**	**60**	**2,015**	**40**	**5,080**	**100**
Cassava	0	0	0	0	0	0	38	82	8	18	46	100
Sweet Potato	38	93	3	7	41	100	29	73	11	27	40	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0
Yams	14	0	0	0	0	0	0	0	0	0	0	0
Coco Yam	15	0	0	0	0	0	23	86	4	14	27	100
ROOTS & TUBERS	**67**	**89**	**8**	**11**	**75**	**100**	**106**	**50**	**104**	**50**	**210**	**100**
Cowpeas	130	60	87	40	217	100	36	40	54	60	90	100
Green gram	1	0	.	0	0	0	.	0	.	0	0	0
PULSES	**131**	**60**	**87**	**40**	**218**	**100**	**36**	**40**	**54**	**60**	**90**	**100**
Groundnut	3	45	3	55	6	100	5	0	0	0	0	0
OIL SEEDS & OIL NUTS	**3**	**45**	**3**	**55**	**6**	**100**	**5**	**0**	**0**	**0**	**0**	**0**
Okra	1	0	0	0	0	0	0	0	0	0	0	0
Turmeric	11	0	0	0	0	0	10	0	0	0	0	0
Tomatoes	11	71	4	29	15	100	75	70	33	30	107	100
Amaranths	9	77	3	23	12	100	0	0	0	0	0	0
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0
Cucumber	4	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	3	0	0	0	0	0	3	0	0	0	0	0
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**38**	**85**	**7**	**15**	**46**	**100**	**87**	**73**	**33**	**27**	**120**	**100**
Seaweed	0	0	5	0	0	0	16	16	81	84	97	100
CASH CROPS	**0**	**0**	**5**	**0**	**0**	**0**	**16**	**16**	**81**	**84**	**97**	**100**
Total	**438**	**70**	**186**	**30**	**624**	**100**	**3,300**	**60**	**2,206**	**40**	**5,506**	**100**

5.0.15 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 - South District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	No. of Hholds	%	No. of Hholds	%	Number	%	No. of Hholds	%	No. of Hholds	%	Number	%
Maize	439	68	211	33	650	100	227	61	146	39	374	100
Paddy	16	33	32	67	49	100	16	100	0	0	16	100
Sorghum	0	0	0	0	0	0	0	0	0	0	0	0
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**455**	**65**	**244**	**35**	**699**	**100**	**244**	**63**	**146**	**38**	**390**	**100**
Cassava	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	195	75	65	25	260	100	211	93	16	7	227	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0
Yams	2,486	73	942	27	3,428	100	292	78	81	22	374	100
Coco Yam	97	75	32	25	130	100	0	0	32	100	32	100
ROOTS & TUBERS	**2,778**	**73**	**1,040**	**27**	**3,818**	**100**	**504**	**79**	**130**	**21**	**634**	**100**
Beans	16	100	0	0	16	100	0	0	0	0	0	0
Cowpeas	65	40	97	60	162	100	16	100	0	0	16	100
Green gram	390	62	244	38	634	100	97	38	162	63	260	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**471**	**58**	**341**	**42**	**812**	**100**	**114**	**41**	**162**	**59**	**276**	**100**
Groundnut	0	0	0	0	0	0	16	100	0	0	16	100
OIL SEEDS & OIL NUTS	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**100**	**0**	**0**	**16**	**100**
Okra	114	64	65	36	179	100	16	100	0	0	16	100
Radish	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	16	100	0	0	16	100	0	0	0	0	0	0
Kothmir	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
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0
Star Fruit	0	0	16	100	16	100	0	0	0	0	0	0
Cabbage	0	0	0	0	0	0	16	100	0	0	16	100
Tomatoes	390	73	146	27	536	100	65	80	16	20	81	100
Spinach	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
Chillies	81	71	32	29	114	100	0	0	0	0	0	0
Amaranths	97	75	32	25	130	100	49	75	16	25	65	100
Pumpkins	439	73	162	27	601	100	114	64	65	36	179	100
Cucumber	114	100	0	0	114	100	16	100	0	0	16	100
Egg Plant	357	69	162	31	520	100	32	67	16	33	49	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**1,608**	**72**	**617**	**28**	**2,226**	**100**	**309**	**73**	**114**	**27**	**422**	**100**
Seaweed	0	0	0	0	0	0	0	0		0	0	0
CASH CROPS	**0**	0	**0**	0	0	0	**0**	0		0	0	**0**
Total	**5,313**	**70**	**2,242**	**30**	**7,555**	**100**	**1,186**	**68**	**552**	**32**	**1,738**	**100**

5.0.16 Planted Area by season and Sex of Household members owning most of the crop for the Agriculture year 2007/08 -South District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	56	72.4	21	27.6	78	100	26	62.9	15	37.1	42	100.0
Paddy	2	28.6	5	71.4	7	100	2	100.0	0	0.0	2	100.0
Sorghum	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Bulrush Millet	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
CEREALS	**58**	**68.8**	**26**	**31.2**	**85**	**100**	**28**	**64.3**	**15**	**35.7**	**43**	**100.0**
Cassava	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Sweet Potato	26	73.4	9	26.6	35	100	34	95.4	2	4.6	36	100.0
Irish potatoes	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Yams	429	76.9	129	23.1	558	100	32	78.8	9	21.2	41	100.0
Coco Yam	16	84.6	3	15.4	19	100	0	0.0	2	100.0	2	100.0
ROOTS & TUBERS	**471**	**76.9**	**141**	**23.1**	**612**	**100**	**66**	**84.6**	**12**	**15.4**	**78**	**100.0**
Beans	2	100.0	0	0.0	2	100	0	0.0	0	0.0	0	0.0
Cowpeas	4	33.0	9	67.0	13	100	1	100.0	0	0.0	1	100.0
Green gram	48	62.3	29	37.7	76	100	8	31.6	18	68.4	27	100.0
Bambaranuts	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
PULSES	**54**	**58.9**	**37**	**41.1**	**91**	**100**	**10**	**34.7**	**18**	**65.3**	**28**	**100.0**
Groundnut	0	0.0	0	0.0	0	0	2	100.0	0	0.0	2	100.0
OIL SEEDS & OIL NUTS	**0**	**0.0**	**0**	**0.0**	**0**	**0**	**2**	**100.0**	**0**	**0.0**	**2**	**100.0**
Okra	5	38.3	8	61.7	14	100	1	100.0	0	0.0	1	100.0
Radish	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Turmeric	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Bitteer Aubergine	1	100.0	0	0.0	1	100	0	0.0	0	0.0	0	0.0
Kothmir	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
Zukkin	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Star Fruit	0	0.0	1	100.0	1	100	0	0.0	0	0.0	0	0.0
Cabbage	0	0.0	0	0.0	0	0	2	100.0	0	0.0	2	100.0
Tomatoes	40	82.7	8	17.3	48	100	4	91.8	0	8.2	4	100.0
Spinach	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Carrot	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Chillies	6	83.7	1	16.3	7	100	0	0.0	0	0.0	0	0.0
Amaranths	9	75.8	3	24.2	12	100	4	90.9	0	9.1	4	100.0
Pumpkins	74	77.7	21	22.3	95	100	10	73.6	4	26.4	14	100.0
Cucumber	7	100.0	0	0.0	7	100	2	100.0	0	0.0	2	100.0
Egg Plant	31	56.9	24	43.1	55	100	1	64.0	1	36.0	2	100.0
Water Mellon	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
FRUITS & VEGETABLES	**173**	**72.3**	**67**	**27.7**	**240**	**100**	**23**	**82.1**	**5**	**17.9**	**28**	**100.0**
Seaweed	0	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0
CASH CROPS		**0.0**		**0.0**	**0**	**0**	**0**	**0**	**0**	**0.0**	**0**	**0.0**
Total	**756**	**73.6**	**272**	26.4	**1,028**	**100**	**128**	**71.7**	**51**	**28.3**	**179**	**100.0**

5.0.17 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 - Central District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	No. of Hholds	%	No. of Hholds	%	Number	%	No. of Hholds	%	No. of Hholds	%	Number	%
Maize	851	60	578	40	1,429	100	942	74	334	26	1,277	100
Paddy	1,368	58	973	42	2,341	100	1,429	67	699	33	2,128	100
Sorghum	91	43	122	57	213	100	0	0	30	100	30	100
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	**2,310**	58	**1,672**	42	3,982	100	**2,371**	69	**1,064**	31	3,435	**100**
Cassava	30	100	0	0	30	100	0	0	0	0	0	0
Sweet Potato	1,915	67	942	33	2,857	100	1,885	79	486	21	2,371	100
Irish potatoes	0	0	0	0	0	0	61	67	30	33	91	100
Yams	1,034	81	243	19	1,277	100	426	78	122	22	547	100
Coco Yam	821	90	91	10	912	100	638	75	213	25	851	100
ROOTS & TUBERS	**3,800**	**75**	**1,277**	**25**	**5,076**	**100**	**3,009**	78	**851**	22	3,861	**100**
Beans	0	0	0	0	0	0	30	100	0	0	30	
Cowpeas	61	67	30	33	91	100	61	50	61	50	122	
Green gram	30	100	0	0	30	100	91	75	30	25	122	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**91**	75	**30**	25	122	100	**182**	67	**91**	33	274	**100**
Groundnut	61	67	30	33	91	100	0	0	61	100	61	100
OIL SEEDS & OIL NUTS	**61**	**67**	**30**	**33**	**91**	**100**	**0**	0	**61**	100	61	**100**
Okra	61	40	91	60	152	100	243	62	152	38	395	100
Radish	61	100	0	0	61	100	30	100	0	0	30	100
Turmeric	30	100	0	0	30	100	0	0	0	0	0	0
Bitteer	122		0				61		91			
Aubergine		100		0	122	100		40		60	152	100
Kothmir	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
Zukkin	0	0	0	0	0	0	30	100	0	0	30	100
Star Fruit	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	61	100	0	0	61	100	0	0	0	0	0	0
Tomatoes	638	78	182	22	821	100	790	70	334	30	1,125	100
Spinach	30	100	0	0	30	100	0	0	0	0	0	0
Carrot	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	91	75	30	25	122	100	243	80	61	20	304	100
Amaranths	213	70	91	30	304	100	152	83	30	17	182	100
Pumpkins	395	72	152	28	547	100	456	88	61	12	517	100
Cucumber	213	78	61	22	274	100	91	75	30	25	122	100
Egg Plant	456	88	61	12	517	100	517	71	213	29	730	100
Water Mellon	30	100	0	0	30	100	61	100	0	0	61	100
FRUITS & VEGETABLES	**2,401**	**78**	**669**	**22**	**3,070**	**100**	**2,675**	73	**973**	27	3,648	**100**
Seaweed	**61**	**11**	**517**	**89**	**578**	**100**	61	10	578	90	638	**100**
CASH CROPS	**61**	11	517	89	578	100	**61**	10	**578**	90	638	**100**
Total	**8,724**	**68**	**4,195**	**32**	**12,919**	**100**	**8,299**	70	**3,617**	30	**11,916**	**100**

5.0.18 Planted Area by season and Sex of Household members owning most of the crop for the Agriculture year 2007/08 - Central District

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
Crop	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Maize	190	64.9	103	35.1	293	100	210	78.8	56	21.2	267	**100**
Paddy	568	57.6	418	42.4	986	100	560	68.4	258	31.6	818	**100**
Sorghum	12	41.3	17	58.7	28	100	0	0.0	5	100.0	5	**100**
Bulrush Millet	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	**0**
CEREALS	**770**	**58.9**	**538**	**41.1**	**1,307**	**100**	**770**	**70.7**	**320**	**29.3**	**1,090**	**100**
Cassava	1	100.0	0	0.0	1	100	0	0.0	0	0.0	0	**0**
Sweet Potato	517	68.6	237	31.4	754	100	1,006	89.0	124	11.0	1,130	**100**
Irish potatoes	0		0	0.0	0	0	18	71.4	7	28.6	26	**100**
Yams	187	83.2	38	16.8	225	100	115	85.8	19	14.2	134	**100**
Coco Yam	163	89.8	18	10.2	181	100	139	89.9	16	10.1	155	**100**
ROOTS & TUBERS	**868**	**74.8**	**293**	**25.2**	**1,162**	**100**	**1,279**	**88.5**	**166**	**11.5**	**1,445**	**100**
Beans	0	0.0	0	0.0	0	0	3	100.0	0	0.0	3	**100**
Cowpeas	25	80.0	6	20.0	31	100	9	50.0	9	50.0	18	**100**
Green gram	6	100.0	0	0.0	6	100	19	86.1	3	13.9	22	**100**
Bambaranuts	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	**0**
PULSES	**31**	**83.3**	**6**	**16.7**	**37**	**100**	**31**	**71.8**	**12**	**28.2**	**44**	**100**
Groundnut	28	69.2	12	30.8	40	100	0	0.0	25	100.0	25	**100**
OIL SEEDS & OIL NUTS	**28**	69.2	**12**	30.8	40	100	**0**	0.0	**25**	100.0	25	**100**
Okra	9	48.1	10	51.9	19	100	10	41.0	14	59.0	24	**100**
Radish	26	100.0	0	0.0	26	100	1	100.0	0	0.0	1	**100**
Turmeric	6	100.0	0	0.0	6	100	0	0.0	0	0.0	0	**0**
Bitteer Aubergine	44	100.0	0	0.0	44	100	8	33.3	16	66.7	24	**100**
Kothmir	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**
Zukkin	0	0.0	0	0.0	0	0	12	100.0	0	0.0	12	**100**
Star Fruit	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	**0**
Cabbage	9	100.0	0	0.0	9	100	0	0.000	0	0.0	0	**0**
Tomatoes	186	86.1	30	13.9	216	100	142	77.5	41	22.5	183	**100**
Spinach	2	100.0	0	0.0	2	100	0	0.0	0	0.0	0	**0**
Carrot	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	**0**
Chillies	11	77.9	3	22.1	14	100	31	88.9	4	11.1	34	**100**
Amaranths	25	78.1	7	21.9	32	100	12	95.0	1	5.0	12	**100**
Pumpkins	83	88.0	11	12.0	95	100	100	93.6	7	6.4	107	**100**
Cucumber	42	73.3	15	26.7	58	100	15	80.6	4	19.4	19	**100**
Egg Plant	77	95.3	4	4.7	80	100	96	70.7	40	29.3	136	**100**
Water Mellon	12	100.0	0	0.0	12	100	11	100.0	0	0.0	11	**100**
FRUITS & VEGETABLES	**532**	86.8	**81**	13.2	613	100	**438**	77.6	**126**	22.4	564	**100**
Seaweed	25	17.4	117	82.6	142	100	25	16.2	129	83.8	154	**100**
CASH CROPS	**25**	100.0		0.0	25	100	**25**	16.2	**129**	83.8	154	**100**
Total	**2,253**	70.8	**930**	29.2	3,183	100		**325**		**275**	0	**600**

5.0.19 Overall Total Number of Household Members Owning most of the Crop by Sex of the Main Owner and District for the agriculture year 2007/08 Long Season

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Kaskazini-A	5,292	63	3,150	37	8,443	100	7,655	58	5,513	42	13,168	100
Kaskazini-B	4,479	75	1,476	25	5,955	100	5,395	70	2,265	30	7,660	100
Kati	5,168	65	2,797	35	7,964	100	4,499	66	2,280	34	6,779	100
Kusini	2,989	70	1,267	30	4,257	100	780	68	374	32	1,154	100
Magharibi	4,019	67	1,947	33	5,966	100	5,495	68	2,543	32	8,038	100
Wete	1,076	51	1,051	49	2,127	100	7,252	50	7,277	50	14,529	100
Micheweni	3,008	62	1,840	38	4,847	100	8,819	60	5,811	40	14,630	100
Chake	713	67	357	33	1,070	100	7,348	65	3,883	35	11,231	100
Mkoani	1,258	66	643	34	1,901	100	8,113	58	5,944	42	14,057	100
Total	**28,003**	**66**	**14,526**	**34**	**42,529**	**100**	**55,355**	**61**	**35,890**	**39**	**91,245**	**100**

5.0.20 Overall Total Planted Area and Sex of Household Members Owning most of the Crop for the Agriculture year 2007/08 Long Season

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
District	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%
Kaskazini-A	2,163	63	1,045	37	3,209	100	3,696	58	2,177	42	5,872	100
Kaskazini-B	1,979	75	536	25	2,515	100	2,587	70	861	30	3,448	100
Kati	2,253	65	1,047	35	3,300	100	2,543	66	778	34	3,321	100
Kusini	756	70	272	30	1,028	100	129	68	51	32	179	100
Magharibi	1,209	67	525	33	1,734	100	1,901	68	923	32	2,825	100
Wete	420	51	312	49	733	100	3,305	50	2,781	50	6,087	100
Micheweni	849	62	478	38	1,327	100	3,413	60	1,850	40	5,263	100
Chake	239	67	97	33	336	100	3,618	65	1,534	35	5,152	100
Mkoani	438	66	186	34	624	100	3,300	58	2,206	42	5,506	100
Total	10,307	66	4,498	34	14,805	100	24,491	61	13,161	39	37,653	100

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

District	Maize				Paddy				Sorghum				Bulrush Millet			
	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)
North 'A'	1,670	378	398.31	1.1	2,079	663	608.40	0.9	693	180	108.5	0.6	189	19	8.03	0.4
North 'B'	1,094	236	363.83	1.5	2,240	886	1,204.95	1.4	229	43	43.6	1.0	127	16	8.68	0.5
Central	1,429	293	509.50	1.7	2,341	986	1,344.07	1.4	213	28	12.9	0.5	.00	.00	.00	0.0
South	650	78	118.70	1.5	49	7	13.71	2.0	0	0	.0	0.0	0	0	0	0.0
West	1,068	164	409.45	2.5	1,319	328	491.50	1.5	0	0	.0	0.0	0	0	0	0.0
Wete	128	51	135.68	2.7	154	47	103.96	2.2	26	10	23.2	2.2	154	39	40.54	1.0
Micheweni	0	0	0	0.0	292	118	164.69	1.4	613	125	60.9	0.5	2,832	680	607.40	0.9
Chakechake	124	21	20.93	1.0	62	13	13.95	1.1	124	17	8.5	0.5	0	0	0	0.0
Mkoani	375	75	88.23	1.2	241	78	87.05	1.1	54	11	12.6	1.2	402	117	56.55	0.5
Total	**6,537**	**1,295**	**2,045**	1.6	**8,776**	**3,125**	**4,032**	1.3	**1,951**	**414**	**270.2**	0.7	**3,704**	**871**	**721**	0.8

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

District	Okra				Radish				Turmeric				Bitteer Aubergine			
	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)
North 'A'	158	18	18.11	1.0	32	6.4	4.7	0.7	315	42	42.37	1.0	32	1	0.3	0.2
North 'B'	204	28	228.03	8.0	0	0.0	0.0	0.0	0	0	0	0.0	102	5	9.4	2.0
Central	152	19	28.82	1.5	61	26.1	16.0	0.6	30	6	10.64	1.7	122	44	350.8	8.0
South	179	14	5.96	0.4	0	0.0	0.0	0.0	0	0	0	0.0	16	1	6.5	9.0
West	377	40	41.82	1.0	0	0.0	0.0	0.0	0	0	0	0.0	188	17	64.6	3.9
Wete	0	0	0	0.0	0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0.0
Micheweni	29	2	.09	0.1	0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0.0
Chakechake	0	0	0	0.0	0	0.0	0.0	0.0	0	0	0	0.0	0	0	0.0	0.0
Mkoani	27	1	.16	0.3	0	0.0	0.0	0.0	27	11	40.16	3.7	.00	.00	0.0	0.0
Total	**1,125**	**121**	**323**	**12**	**92**	**32.5**	**20.7**	0.6	**372**	**59**	**93**	**1.6**	**460**	**67**	**432**	6.4

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

	Kothmir				Onion				Seaweed				Cassava			
District	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)
North 'A'	0	0.0	0.0	0.00	0	0	0	0	158	19	30.56	1.6	13,420	3,909	8,480	2.2
North 'B'	0	0.0	0.0	0.00	0	0	0	0	0	0	0	0.0	9,060	3,353	8,195	2.4
Central	0	0.0	0.0	0.00	0	0	0	0	578	142	138.07	1.0	8,694	2,777	6,249	2.3
South	0	0.0	0.0	0.00	0	0	0	0	0	0	0	0.0	6,239	1,471	4,398	3.0
West	31	1.7	1.9	1.14	63	6	9.73	0	0	0	0	0.0	13,313	3,693	10,944	3.0
Wete	0	0.0	0.0	0.00	0	0	0	0	0	0	0	0.0	13,940	6,043	19,007	3.1
Micheweni	0	0.0	0.0	0.00	0	0	0	0	0	0	0	0.0	16,294	6,643	24,009	3.6
Chakechake	0	0.0	0.0	0.00	0	0	0	0	0	0	0	0.0	13,479	5,206	19,623	3.8
Mkoani	0	0.0	0.0	0.00	0	0	0	0	27	5.00	16.00	3.2	14,441	5,568	20,006	3.6
Total	**31**	**1.7**	**1.9**	**1.14**	**63**	**6**	**10**	**0**	**762**	**166**	**185**	**1.1**	**108,879**	**38,663**	**120,911**	**3.1**

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

	Sweet Potato				Irish potatoes				Yams				Coco Yam			
District	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)
North 'A'	2,741	714	1,020.47	1.4	0	0	0	0.0	2,867	620	920.64	1.5	252	46	30.24	0.7
North 'B'	2,469	679	1,561.12	2.3	51	6	14.00	2.3	585	137	243.07	1.8	509	82	84.88	1.0
Central	2,857	754	1,839.13	2.4	0	0	0	0.0	1,277	225	419.58	1.9	912	181	186.70	1.0
South	260	35	52.72	1.5	0	0	0	0.0	3,428	558	1,119.90	2.0	130	19	22.42	1.2
West	2,167	453	896.77	2.0	63	4	10.52	2.4	911	197	341.88	1.7	377	40	47.66	1.2
Wete	384	131	499.90	3.8	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0
Micheweni	1,168	281	344.98	1.2	0	0	0	0.0	29	6	7.80	1.3	29	3	3.36	1.1
Chakechake	13	17.98	68.61	3.8	0	0	0	0.0	0	0	0	0.0	6	7.75	0.00	0.0
Mkoani	41	35.88	136.92	3.8	0	0	0	0.0	14	30.79	.00	0.0	15	13.66	0.00	0.0
Total	**12,099**	**3,101**	**6,421**	**2.1**	**114**	**11**	**25**	**2.3**	**9,111**	**1,774**	**3,053**	**1.7**	**2,230**	**393**	**375**	**1.0**

Con. Table 5.1.1 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

District	Zukkin				Beans				Cowpeas				Green gram			
	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)
North 'A'	0.0	0	0.0	0.0	32	6	4.41	0.7	504	115	29.71	0.3	599	128	158.42	1.2
North 'B'	25.4	5	5.1	1.0	25	10	2.54	0.2	356	60	23.16	0.4	76	15	4.84	0.3
Central	0.0	0	0.0	0.0	0	0	0	0.0	91	31	14.44	0.5	30	6	1.52	0.2
South	0.0	0	0.0	0.0	16	2	1.14	0.6	162	13	4.08	0.3	634	76	53.73	0.7
West	0.0	.00	0.0	0.0	0	0	0	0.0	188	74	43.17	0.6	31	3	.47	0.1
Wete	0.0	.00	0.0	0.0	26	5	1.54	0.3	1,179	313	205.17	0.7	205	48	98.83	2.0
Micheweni	0.0	.00	0.0	0.0	0	0	0	0.0	380	65	35.71	0.6	0	.	.	0.0
Chakechake	0.0	.00	0.0	0.0	0	0	0	0.0	512	163	65.56	0.4	31	6	20.15	3.2
Mkoani	0.0	.00	0.0	0.0	0	0	0	0.0	910	217	145.58	0.7	27	1	.32	0.6
Total	25.4	5	5.1	1.0	99	24	10	0.4	**4,283**	**1,052**	**567**	**0.5**	**1,633**	**283**	**338**	**1.2**

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Con. Table 5.1.1 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

District	Bambaranuts				Groundnut				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)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
North 'A'	0	.	.	0.0	63	11	6.30	0.5	0	0.0	0.0	0.0	0	0	0	0.0
North 'B'	25	10.3	3.31	0.3	280	57	47.13	0.8	0	0.0	0.0	0.0	0	0	0	0.0
Central	0	0.0	.00	0.0	91	40	23.71	0.6	0	0.0	0.0	0.0	61	9	3.04	0.3
South	0	0.0	.00	0.0	0	0	0	0.0	16	0.9	0.05	0.1	0	0	0	0.0
West	31	6.4	6.28	1.0	283	40	13.41	0.3	0	0.0	0.0	0.0	31	3	18.84	5.9
Wete	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0.0	0.0	0	0	0	0.0
Micheweni	58	8.9	7.88	0.9	175	25	16.73	0.7	0	0.0	0.0	0.0	0	0	0	0.0
Chakechake	0	0.0	.00	0.0	248	85	69.45	0.8	0	0.0	0.0	0.0	0	0	0	0.0
Mkoani	0	0.0	.00	0.0	54	6	2.95	0.5	0	0.0	0.0	0.0	0	0	0	0.0
Total	**115**	**25.5**	**17**	**0.7**	1,194	265	180	0.7	16	1	0.05	0.1	**92**	**12**	**22**	1.8

Cont. Table5.1.1 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

District	Tomatoes				Carrot				Chillies				Spinach			
	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)
North 'A'	630	122	509.20	4.18	0	0	0	0.0	0	0	0.0	0.0	0	0	0	0.0
North 'B'	331	46	203.88	4.44	25	0	5.88	19.0	76	5	22.7	4.1	.00	.00	.00	0.0
Central	821	216	560.36	2.59	.00	.00	.00	0.0	122	14	7.2	0.5	30	2	6.08	3.8
South	536	48	108.56	2.25	0	0	0	0.0	114	7	9.3	1.4	0	0	0	0.0
West	722	99	573.67	5.81	31	3	10.36	3.3	220	21	23.1	1.1	0	0	0	0.0
Wete	231	49	535.31	11.00	0	0	.00	0.0	0	0	0.0	0.0	26	5	71.75	13.8
Micheweni	58	74.0	150.38	2.03	0	0	.00	0.0	0	0	0.0	0.0	0	0	0	0.0
Chakechake	31	9	23.25	2.47	0	0	.00	0.0	0	0	0.0	0.0	0	0	0	0.0
Mkoani	80	15	133.88	8.82	0	0	.00	0.0	0	0	0.0	0.0	0	0	0	0.0
Total	**3,440**	**678**	**2,798**	**4.13**	**57**	**3**	**16**	**4.7**	**531**	**48**	**62.3**	**1.3**	**56**	**7**	**78**	**11.5**

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Cont. Table5.1.1 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

District	Amaranths				Pumpkins				Cucumber				Egg Plant			
	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)
North 'A'	95	8	8.47	1.02	158	28	280.05	9.8	0	0	0	0.0	441	67	118.45	1.8
North 'B'	484	53	67.62	1.27	127	14	155.75	11.2	331	53	96.79	1.8	280	43	377.62	8.8
Central	304	32	77.51	2.46	547	95	722.47	7.6	274	58	241.15	4.2	517	80	184.67	2.3
South	130	12	82.99	6.78	601	95	978.94	10.3	114	7	8.77	1.2	520	55	103.23	1.9
West	377	36	304.86	8.36	157	29	532.10	18.6	314	59	200.61	3.4	502	90	669.25	7.4
Wete	128	16	131.50	8.45	0	0	0	.0	26	10	23.06	2.2	26	3	82.64	31.9
Micheweni	58	4	7.71	1.72	0	0	0	.0	0	0	0	0.0	29	2	3.50	2.3
Chakechake	31	3	24.80	7.90	0	0	0	.0	0	0	0	0.0	0	0	0	0.0
Mkoani	107	12	17.94	1.50	0	0	0	.0	27	4	1.87	0.5	54	3	2.14	0.7
Total	**1,713**	**177**	**723**	**4.09**	**1,590**	**261**	**2,669**	**10.2**	**1,085**	**191**	**572**	**3.0**	**2,368**	**343**	**1,542**	**4.5**

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Cont. Table 5.1.1 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agricultural Households, Area Planted (ha) and Quantity Harvested (tonnes) during Short Rainy SEASON Agricultural Year 2007/08

District	Water Mellon			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
North 'A'	0	0	0	0.0
North 'B'	51	21	64.64	3.1
Central	30	12	12.16	1.0
South	0	0	0	0.0
West	63	6	37.68	5.9
Wete	0	0	.00	0.0
Micheweni	0	0	.00	0.0
Chakechake	0	0	0	0.0
Mkoani	0	0	0	0.0
Total	**144**	**39**	**114**	**2.9**

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

District	Maize				Paddy				Sorghum				Bulrush Millet			
	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)
North 'A'	6174	1,508	1,277.24	0.8	4536	1,829	1,813.44	1.0	1733	373	228.55	0.6	32	3	3.94	1.2
North 'B'	509	113	123.28	1.1	5701	2,211	2,172.40	1.0	229	58	67.98	1.2	0	0	0	0.0
Central	1277	267	484.82	1.8	2128	818	1,335.68	1.6	30	5	1.98	0.4	0	.00	.00	0.0
South	374	42	40.54	1.0	16	2	6.53	4.0	0	0	0	0.0	0	0	0	0.0
West	973	191	516.21	2.7	4804	1,745	2,233.66	1.3	31	3	.78	0.2	0	.00	.00	0.0
Wete	1435	334	522.30	1.6	12684	4,799	6,123.97	1.3	1076	217	209.43	1.0	0	0	0	0.0
Micheweni	584	100	147.17	1.5	9227	2,580	3,579.42	1.4	3475	822	889.80	1.1	934	230	128.10	0.6
Chakechake	620	122	151.82	1.2	10828	4,513	5,207.09	1.2	93	11	12.31	1.1	0	0	0	0.0
Mkoani	464	84	94.15	1.1	12933	4,978	5,760.55	1.2	107	18	17.78	1.0	0	0	0	0.0
Total	**12410**	**2,760**	**3,358**	**1.22**	**62857**	**23,475**	**28,233**	**1.2**	**6775**	**1,508**	**1,429**	**0.9**	966	233	132	0.6

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

	Okra				Radish				Turmeric				Bitteer Aubergine			
District	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)
North 'A'	599	174	53.36	0.3	158	45	10.55	0.2	221	81	21.64	0.3	95	22	49.14	2.21
North 'B'	25	3	.64	0.2	0	0	0	0.0	0	0	0	0.0	102	12	21.76	1.87
Central	395	24	30.95	1.3	30	1	1.52	1.0	0	0	0	0.0	152	24	149.92	6.25
South	16	1	.73	1.1	0	0	0	0.0	0	0	0	0.0	0	0	0	.00
West	408	51	68.70	1.3	0	.00	.00	0.0	31	6	1.57	0.2	63	4	56.58	14.84
Wete	0	0	0	0.0	0	0	0	0.0	77	31	.08	0.0	.00	.00	.00	.00
Micheweni	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0	.00	.00	.00	.00
Chakechake	0	0	0	0.0	0	0	0	0.0	31	3	4.03	1.3	.00	.00	.00	.00
Mkoani	0	0	0	0.0	0	0	0	0.0	54	10	18.07	1.9	.00	.00	.00	.00
Total	**1444**	**252**	**154**	**0.6**	**188**	**47**	**12**	**0.3**	**413**	**131**	**45**	**0.3**	**411**	**62**	**277**	4.50

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Cont.Table 5.1.2 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Long Rainy SEASON Agricultural Year 2007/08

	Kothmir				Finger Millet				Onion			
District	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)
North 'A'	0	0	0	0	0	0	0	0.0	0	0	0	0
North 'B'	0	0	0	0	0	0	0	0.0	0	0	0	0
Central	0	.00	.00	0	0	0	0	0.0	0	0	0	0
South	0	0	0	0	0	0	0	0.0	0	0	0	0
West	0	0	0	0	0	0	0	0.0	0	0	0	0
Wete	0	.00	.00	0	0	0	0	0.0	0	0	0	0
Micheweni	0	.00	.00	0	0	0	0	0	0	0	0	0
Chakechake	0	.00	.00	0	0	.00	.00	0.0	0	0	0	0
Mkoani	0	.00	.00	0	0	.00	.00	0.0	0	0	0	0
Total	**0**	**0**	**0**	0	**0**	**0**	**0**	**0.0**	**0**	**0**	**0**	**0**

Table 5.1.2 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Agriculture Households, Area Planted (ha) and Quantity Harvested (tonnes) during Long Rainy SEASON Agricultural Year 2007/08

District	Cassava				Sweet Potato				Irish potatoes				Seaweed			
	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)
North 'A'	63	16	10.71	0.7	2,709	535	913.18	1.7	0	0	0.0	0.0	126	13	11.66	0.9
North 'B'	25	21	66.17	3.2	2,061	749	1,525.97	2.0	0	0	0.0	0.0	25	10	14.00	1.4
Central	0	0	0	0.0	2,371	1,130	3,455.64	3.1	91	26	21.7	0.8	638	154	153.72	1.0
South	0	0	0	0.0	227	36	67.05	1.9	0	0	0.0	0.0	0	0	0	0.0
West	63	16	47.35	3.0	1,915	356	810.36	2.3	31	3	18.8	5.9	31	2	7.22	4.4
Wete	77	21	47.28	2.3	2,357	538	1,162.26	2.2	0	0	0.0	0.0	0	0	0	0.0
Micheweni	29	24	17.37	0.7	4,789	1,371	2,490.41	1.8	29	4	3.5	0.9	58	12	13.84	1.2
Chakechake	62	25	38.23	1.5	279	69	98.47	1.4	31	3	3.1	1.0	0	0	0	0.0
Mkoani	214	46	51.73	1.1	214	40	76.44	1.9	0	0	0.0	0.0	428	97	229.17	2.4
Total	**534**	**168**	**279**	**1.7**	**16,924**	**4,824**	**10,600**	**2.2**	**183**	**36**	**47.2**	**1.3**	**1,308**	**287**	**430**	**1.5**

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

District	Yams				Coco Yam				Zukkin				Onion			
	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)
North 'A'	2,016	406	508.00	1.2	189	28	25.74	0.9	0	0	0	0.0	0	0	0	0
North 'B'	127	29	58.28	2.0	229	45	23.97	0.5	0	0	0	0.0	0	0	0	0
Central	547	134	210.51	1.6	851	155	91.77	0.6	30	12	8.21	0.7	.00	.00	.00	.00
South	374	41	89.57	2.2	32	2	1.62	0.9	0	0	0	0.0	0	0	0	0
West	408	52	83.05	1.6	471	75	70.96	0.9	.00	.00	.00	0.0	0	0	0	0
Wete	0	0	0	.0	231	34	56.78	1.7	0	0	0	0.0	0	0	0	0
Micheweni	29	9	14.60	1.6	175	19	26.46	1.4	.00	.00	.00	0.0	.00	.00	.00	.00
Chakechake	31	3	5.89	1.9	248	61	72.30	1.2	.00	.00	.00	0.0	.00	.00	.00	.00
Mkoani	0	0	0	.0	295	27	19.73	0.7	.00	.00	.00	0.0	.00	.00	.00	.00
Total	**3,533**	**674**	**970**	1.4	**2,721**	**445**	**389**	0.9	**30**	**12**	**8**	0.7	**0**	**0**	**0**	**0**

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

District	Beans				Cowpeas				Green gram				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)	Actual Planted Area (ha)	Number of Household	Quantity Harvested (tons)	Yield (tons/ha)
North 'A'	252	54	13.96	0.3	1,481	237	103.77	0.4	1,323	268	108.62	0.4	0	0	0	0
North 'B'	0	0	0	0.0	51	5	1.63	0.4	25	5	1.04	0.2	0	0	0	0
Central	30	3	.00	0.0	122	18	5.78	0.3	122	22	5.71	0.3	.00	.00	.00	.00
South	0	0	0	0.0	16	1	.81	0.7	260	27	15.87	0.6	.00	.00	.00	.00
West	0	0	0	0.0	157	28	15.48	0.5	31	3	.16	0.0	0	0	0	0
Wete	0	0	0	0.0	102	23	9.30	0.4	0	0	0	0.0	0	0	0	0
Micheweni	0	0	0	0.0	146	33	12.32	0.4	0	0	0	0.0	0	0	0	0
Chakechake	0	0	0	0.0	62	6	5.89	0.9	0	0	0	0.0	0	0	0	0
Mkoani	0	0	0	0.0	509	90	36.23	0.4	0	0	0	0.0	0	0	0	0
Total	**282**	**57**	**14**	**0.2**	**2,646**	**443**	**191**	**0.4**	**1,761**	**326**	**131**	**0.4**	**0**	**0**	**0**	**0**

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

District	Groundnut				Tomatoes				Cabbage				Chillies			
	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)
North 'A'	32	3	9.45	3.0	693	98	228.01	2.3	0	0	0	0.0	32	0	4.73	18.53
North 'B'	153	44	29.14	0.7	331	48	67.70	1.4	0	0	0	0.0	0	0	0	.00
Central	61	25	5.02	0.2	1,125	183	642.95	3.5	0	0	0	0.0	304	34	44.47	1.30
South	16	2	.41	0.2	81	4	3.48	0.9	16	2	.49	0.3	0	0	0	.00
West	157	44	78.00	1.8	565	87	443.05	5.1	0	0	0	0.0	94	14	12.94	.91
Wete	51	8	6.56	0.8	154	29	144.49	5.0	0	0	0	0.0	26	1	.51	.38
Micheweni	58	9	14.89	1.7	380	41	544.56	13.2	0	0	0	0.0	0	0	0	.00
Chakechake	1,085	294	340.51	1.2	93	13	208.03	16.6	0	0	0	0.0	0	0	.00	.00
Mkoani	27	5	21.66	4.0	455	107	1,060.55	9.9	0	0	0	0.0	0	0	0	.00
Total	1,640	434	506	1.2	**3876.6**	**609.0**	**3342.8**	5.5	**16.2**	**1.6**	**0.5**	0.3	**455.3**	**50.2**	**62.6**	1.25

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

	Carrot				Spinach				Amaranths				Pumpkins			
District	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)
North 'A'	0	0	0	0	0	0	0.0	0.0	32	10	3.94	0.4	630	91	197.61	2.2
North 'B'	0	0	0	0	0	0	0.0	0.0	127	18	52.43	2.9	0	0	0	0.0
Central	.00	.00	.00	.00	0	0	0.0	0.0	182	12	34.20	2.8	517	107	1,239.14	11.6
South	.00	.00	.00	.00	0	0	0.0	0.0	65	4	20.31	4.7	179	14	33.35	2.4
West	0	0	0	0	0	0	0.0	0.0	220	24	124.94	5.1	63	19	9.89	0.5
Wete	.00	.00	.00	.00	0	0	0.0	0.0	128	11	105.57	9.3	26	5	32.03	6.2
Micheweni	.00	.00	.00	.00	29	1	20.4	14.4	29	3	1.46	0.5	29	2	13.72	5.8
Chakechake	.00	.00	.00	.00	0	0	0.0	0.0	31	11	192.22	18.2	62	7	248.03	34.7
Mkoani	.00	.00	.00	.00	0	0	0.0	0.0	0	0	0	0.0	0	0	0	0.0
Total	**0.0**	**0.0**	**0.0**	**0.0**	**29.2**	**1.4**	**20.4**	**14.4**	**814**	**94**	**535**	**5.7**	**1,505**	**245**	**1,774**	**7.2**

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

	Cucumber				Egg Plant				Water Mellon			
District	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)
North 'A'	32	6	1.58	0.2	410	65	251.98	3.9	0	0	0	0.0
North 'B'	102	31	53.19	1.7	356	42	73.42	1.8	25	5	11.96	2.3
Central	122	19	66.42	3.5	730	136	1,602.12	11.7	61	11	36.93	3.3
South	16	2	.97	0.6	49	2	8.12	4.9	0	0	0	0.0
West	157	35	116.18	3.3	408	66	297.60	4.5	0	0	0	0.0
Wete	51	2	8.33	3.6	231	16	136.96	8.7	0	0	0	0.0
Micheweni	0	0	0	0.0	29	3	8.76	3.0	0	0	0	0.0
Chakechake	0	0	0	0.0	62	7	221.27	29.9	31	4	40.30	11.1
Mkoani	0	0	0	0.0	27	3	18.31	6.8	0	0	0	0.0
Total	**479**	**95**	**247**	2.6	**2,301**	**340**	**2,619**	7.7	**117**	**20**	**89**	4.5

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

	Maize				Paddy				Sorghum			
District	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)
North 'A'	7,844	1,886	1,675.55	0.9	6,615	2,492	2,421.84	1.0	2,426	553	337.1	0.6
North 'B'	1,603	349	487.11	1.4	7,940	3,097	3,377.35	1.1	458	100	111.6	1.1
Central	2,705	559	994.32	1.8	4,468	1,805	2,679.76	1.5	243	33	14.9	0.4
South	1,024	119	159.23	1.3	65	9	20.24	2.4	0	0	0.0	0.0
West	2,041	355	925.66	2.6	6,123	2,073	2,725.16	1.3	31	3	0.8	0.2
Wete	1,563	384	657.98	1.7	12,838	4,846	6,227.93	1.3	1,102	228	232.6	1.0
Micheweni	584	100	147.17	1.5	9,519	2,698	3,744.11	1.4	4,088	947	950.7	1.0
Chakechake	744	143	172.75	1.2	10,890	4,525	5,221.04	1.2	217	29	20.8	0.7
Mkoani	839	159	182.38	1.1	13,174	5,055	5,847.60	1.2	161	29	30.3	1.0
Total	**18,947**	**4,055**	**5,402**	1.3	**71,633**	**26,600**	**32,265**	1.2	**8,726**	**1,922**	**1698.8**	0.9

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

	Bulrush Millet				Okra				Radish			
District	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)
North 'A'	221	22	11.97	0.5	756	192	71.48	0.4	189	52	15.28	0.3
North 'B'	127	16	8.68	0.5	229	31	228.67	7.4	0	0	0	0.0
Central	0	0	.00	0.0	547	43	59.76	1.4	91	28	17.48	0.6
South	0	0	.00	0.0	195	14	6.69	0.5	0	0	0	0.0
West	.00	.00	.00	0.0	785	91	110.53	1.2	.00	.00	.00	0.0
Wete	154	39	40.54	1.0	0	0	0	0.0	0	0	0	0.0
Micheweni	3,767	910	735.51	0.8	29	2	.09	0.1	.00	.00	.00	0.0
Chakechake	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0
Mkoani	402	117	56.55	0.5	27	1	.16	0.3	.00	.00	.00	0.0
Total	**4,670**	**1,105**	**853**	0.8	**2,568**	**373**	**477**	1.3	**280**	**79**	**33**	0.4

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5.1.3 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

District	Kothmir				Finger Millet				Seaweed			
	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)
North 'A'	.00	.00	.00	0.0	0	.00	.00	.00	284	32	42.21	1.3
North 'B'	0	0	0	0.0	0	0	0	0	25	10	14.00	1.4
Central	0	0	0	0.0	0	0	0	0	1,216	295	291.79	1.0
South	0	0	0	0.0	0	0	0	0	0	0	0	.0
West	31	2	1.88	1.1	0	0	0	0	31	2	7.22	4.4
Wete	.00	.00	.00	0.0	0	0	0	0	0	0	0	.0
Micheweni	.00	.00	.00	0.0	0	0	.00	.00	58	12	13.84	1.2
Chakechake	0	0	0	0.0	0	0	0	0	0	0	0	.0
Mkoani	0	0	0	0.0	0	0	0	0	455	102	245.24	2.4
Total	**31**	**2**	**2**	**1.1**	**0**	**0**	**0**	**0**	**2,070**	**453**	**614**	1.4

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5.1.3 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

District	Turmeric				Bitteer Aubergine				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)
North 'A'	536	123	64.01	0.5	126	23	49.39	2.1	13,420	3,909	8,480.19	2.2
North 'B'	0	0	0	0.0	204	16	31.18	1.9	9,060	3,353	8,195.33	2.4
Central	30	6	10.64	1.7	274	68	500.71	7.4	8,694	2,777	6,248.87	2.3
South	0	0	0	0.0	16	1	6.50	9.0	6,239	1470.746	4397.9534	3.0
West	31	6	1.57	0.2	251	20	121.20	6.0	13,313	3,693	10,943.59	3.0
Wete	77	31	.08	0.0	.00	.00	.00	0.0	13,940	6,043	19,007.36	3.1
Micheweni	0	0	0	0.0	.00	.00	.00	0.0	16,294	6,643	24,009.01	3.6
Chakechake	31	3	4.03	1.3	0	0	0	0.0	13,479	5,206	19,622.52	3.8
Mkoani	80	21	58.24	2.8	0	0	0	0.0	14,441	5,568	20,006.49	3.6
Total	**786**	**191**	**139**	0.7	**871**	**129**	**709**	5.5	**108,879**	**38,663**	**120,911**	**3.1**

5.1.3 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

District	Sweet Potato				Irish potatoes				Yams			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Actual Planted Area (ha)	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
North 'A'	5,450	1,249	1,933.65	1.5	0	0	0	0.0	4,883	1,027	1,428.64	1.4
North 'B'	4,530	1,429	3,087.09	2.2	51	6	14.00	2.3	713	166	301.35	1.8
Central	5,228	1,884	5,294.77	2.8	91	26	21.73	0.8	1,824	359	630.09	1.8
South	487	71	119.77	1.7	0	0	0	0.0	3,802	599	1,209.47	2.0
West	4,082	809	1,707.13	2.1	94	8	29.36	3.8	1,319	249	424.93	1.7
Wete	2,742	669	1,662.16	2.5	0	0	0	0.0	0	0	0	.0
Micheweni	5,957	1,652	2,835.38	1.7	29	4	3.50	0.9	58	15	22.40	1.5
Chakechake	341	81	116.45	1.4	31	3	3.10	1.0	31	3	5.89	1.9
Mkoani	348	81	112.32	1.4	0	0	0	0.0	54	14	30.79	2.2
Total	**29,166**	**7,924**	**16,869**	**2.1**	**296**	**47**	**72**	**1.5**	**12,683**	**2,431**	**4,054**	**1.7**

5.1.3 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

District	Coco Yam				Zukkin				Onion			
	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)
North 'A'	441	74	55.98	0.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0
North 'B'	738	127	108.85	0.9	25	5.2	5.1	1.0	0	0.0	0.0	0.0
Central	1,763	336	278.48	0.8	30	12.3	8.2	0.7	0	0.0	0.0	0.0
South	162	21	24.05	1.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
West	848	115	118.63	1.0	0	0.0	0.0	0.0	63	6.4	9.7	1.5
Wete	231	34	56.78	1.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Micheweni	204	22	29.81	1.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Chakechake	279	68	80.05	1.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Mkoani	375	41	33.39	0.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0
Total	**5,041**	**838**	**786**	0.9	**56**	**17.5**	**13.3**	0.8	**63**	**6.4**	**9.7**	1.5

5.1.3 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

District	Beans				Cowpeas				Green gram			
	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)
North 'A'	284	61	18.37	0.3	1984.6	352.0	133.5	0.4	1921.6	396.0	267.0	0.7
North 'B'	25	10	2.54	0.2	407.2	64.9	24.8	0.4	101.8	20.1	5.9	0.3
Central	30	3	.00	0.0	212.8	49.2	20.2	0.4	152.0	28.3	7.2	0.3
South	16	2	1.14	0.6	178.7	14.2	4.9	0.3	893.6	103.0	69.6	0.7
West	0	0	0	0.0	345.4	102.7	58.7	0.6	62.8	6.4	0.6	0.1
Wete	26	5	1.54	0.3	1281.2	336.4	214.5	0.6	205.0	48.4	98.8	2.0
Micheweni	0	0	0	0.0	525.6	97.9	48.0	0.5	0.0	0.0	0.0	0.0
Chakechake	0	0	0	0.0	573.6	169.5	71.4	0.4	31.0	6.3	20.2	3.2
Mkoani	0	0	0	0.0	1419.1	307.3	181.8	0.6	26.8	0.5	0.3	0.6
Total	**381**	**81**	**24**	0.3	**6928.2**	**1494.2**	**757.8**	**0.5**	**3394.5**	**609.0**	**469.7**	**0.8**

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5.1.3 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

District	Bambaranuts				Groundnut				Star Fruit			
	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)
North 'A'	0.0	0.0	0.0	0.0	94.5	14.7	15.8	1.1	0.0	0.0	0.0	0.0
North 'B'	25.4	10.3	3.3	0.1	432.6	101.0	76.3	0.8	0.0	0.0	0.0	0.0
Central	0.0	0.0	0.0	0.0	152.0	64.6	28.7	0.4	0.0	0.0	0.0	0.0
South	0.0	0.0	0.0	0.0	16.2	2.3	0.4	0.2	16.2	0.9	0.049	0.1
West	31.4	6.4	6.3	0.2	439.6	84.2	91.4	1.1	0.0	0.0	0.0	0.0
Wete	0.0	0.0	0.0	0.0	51.2	8.3	6.6	0.8	0.0	0.0	0.0	0.0
Micheweni	58.4	8.9	7.9	0.1	233.6	34.0	31.6	0.9	0.0	0.0	0.0	0.0
Chakechake	0.0	0.0	0.0	0.0	1333.1	378.4	410.0	1.1	0.0	0.0	0.0	0.0
Mkoani	0.0	0.0	0.0	0.0	80.3	11.4	24.6	2.2	0.0	0.0	0.0	0.0
Total	**115.3**	**25.5**	**17.5**	**0.2**	**2833.3**	**698.9**	**685.3**	**1.0**	**16.2**	**0.9**	**0.0**	**0.1**

5.1.3 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

District	Cabbage				Tomatoes				Spinach			
	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)
North 'A'	0	0.0	0	0.0	1,323	220	737.21	3.4	.00	.00	0.0	0.0
North 'B'	0	0.0	0	0.0	662	94	271.58	2.9	.00	.00	0.0	0.0
Central	61	9.2	3.04	0.3	1,945	399	1,203.30	3.0	30	2	6.1	3.8
South	16	1.6	.49	0.3	617	52	112.04	2.1	0	0	0.0	0.0
West	31	3.2	18.84	5.9	1,287	185	1,016.71	5.5	.00	.00	0.0	0.0
Wete	0	0.0	0	0.0	384	78	679.81	8.7	26	5	71.7	13.8
Micheweni	0	0.0	0	0.0	438	49	694.95	14.3	29	1	20.4	14.4
Chakechake	0	0.0	0	0.0	124	22	231.29	10.5	0	0	0.0	0.0
Mkoani	0	0.0	0	0.0	536	122	1,194.43	9.8	0	0	0.0	0.0
Total	**108.4**	**14.1**	**22.4**	**1.6**	**7316.9**	**1220.6**	**6141.3**	**5.0**	**85.2**	**8.2**	**98.3**	**12.0**

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5.1.3 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

District	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)
North 'A'	31.5	6.4	1.6	0.2	850.6	131.5	370.4	2.8	0.0	0.0	0.0	0.0
North 'B'	432.6	83.5	150.0	1.8	636.2	85.0	451.0	5.3	76.3	25.9	76.6	3.0
Central	395.2	76.7	307.6	4.0	1246.3	216.8	1786.8	8.2	91.2	23.4	49.1	2.1
South	130.0	9.1	9.7	1.1	568.6	56.4	111.4	2.0	0.0	0.0	0.0	0.0
West	471.0	93.6	316.8	3.4	910.6	156.6	966.9	6.2	62.8	6.4	37.7	5.9
Wete	76.9	12.7	31.4	2.5	256.2	18.3	219.6	12.0	0.0	0.0	0.0	0.0
Micheweni	0.0	0.0	0.0	0.0	58.4	4.5	12.3	2.7	0.0	0.0	0.0	0.0
Chakechake	0.0	0.0	0.0	0.0	62.0	7.4	221.3	29.9	31.0	3.6	40.3	11.1
Mkoani	26.8	3.8	1.9	0.5	80.3	6.0	20.5	3.4	0.0	0.0	0.0	0.0
Total	**1563.9**	**285.6**	**818.9**	**2.9**	**4669.3**	**682.5**	**4160.1**	**6.1**	**261.3**	**59.2**	**203.7**	**3.4**

5.1.3 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

District	Chillies				Carrot				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)
North 'A'	32	0.3	4.73	18.5	0	0.00	0.00	0.0	126	17.86	12.41	0.7
North 'B'	76	5.5	22.65	4.1	25	0.31	5.88	19.0	611	71.30	120.05	1.7
Central	426	48.2	51.71	1.1	0	0.00	0.00	0.0	486	43.94	111.71	2.5
South	114	6.8	9.34	1.4	0	0.00	0.00	0.0	195	16.58	103.30	6.2
West	314	35.6	36.02	1.0	31	3.18	10.36	3.3	597	60.89	429.80	7.1
Wete	26	1.3	0.51	0.4	0	0.00	0.00	0.0	256	26.97	237.07	8.8
Micheweni	0	0.0	0.00	0.0	0	0.00	0.00	0.0	88	7.45	9.17	1.2
Chakechake	0	0.0	0.00	0.0	0	0.00	0.00	0.0	62	13.68	217.02	15.9
Mkoani	0	0.0	0.00	0.0	0	0.00	0.00	0.0	107	11.92	17.94	1.5
Total	**987**	**97.7**	**124.95**	**1.3**	**57**	**3.49**	**16.24**	**4.7**	**2528**	**270.59**	**1258.47**	**4.7**

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5.1.3 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

District	Pumpkins			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
North 'A'	788	120	477.66	4.0
North 'B'	127	14	155.75	11.2
Central	1,064	201	1,961.61	9.8
South	780	109	1,012.30	9.3
West	220	48	541.99	11.4
Wete	26	5	32.03	6.2
Micheweni	29	2	13.72	5.8
Chakechake	62	7	248.03	34.7
Mkoani	0	0	0	0.0
Total	**3,095**	**506**	**4,443**	**8.8**

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

District	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)		
North 'A'	8,411	3,209	12,979	5,872	9,081	35.3
North 'B'	5,853	2,515	7,380	3,448	5,963	42.2
Central	7,417	6,262	13,679	6,505	12,767	49.0
South	4,192	2,388	6,580	1,137	3,526	67.7
West	5,840	1,734	7,944	2,825	4,558	38.0
Wete	2,076	733	13,991	6,087	6,819	10.7
Micheweni	4,818	1,327	13,549	5,263	6,590	20.1
Chakechake	1,039	336	11,169	5,152	5,488	6.1
Mkoani	1,874	624	13,709	5,506	6,129	10.2
Total	**41,520**	**19,127**	**100,980**	**41,795**	**60,922**	**31.4**

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

District	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	
North 'A'	8,411	10,490	12,979	5,922	18,901
North 'B'	5,853	5,599	7,380	4,072	11,452
Central	7,417	3,300	6,505	3,321	13,679
South	4,192	1,028	1,137	179	6,580
West	5,840	12,811	7,944	10,707	18,651
Wete	2,076	13,299	13,991	1,384	15,374
Micheweni	4,818	12,702	13,549	3,971	17,520
Chakechake	1,039	12,797	11,169	2,666	13,835
Mkoani	1,874	14,325	13,709	2,490	16,199
Total	**41,520**	**86,351**	**88,364**	**34,713**	**121,064**

5.1.6. 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

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	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	0	0	29	18	29	18
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	0	0	0	0	0	0
Bambaranuts	115	26	0	0	115	26
Field Peas	0	0	0	0	0	0
PULSES		**1,384**		**825**		**2,210**
Simsim	0	0	0	0	0	0
Groundnut	1,194	265	1,640	434	2,833	699
Soya Beans	0	0	0	0	0	0
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	0	0	31	2
Onion	63	6	0	0	63	6
Ginger	0	0	0	0	0	0
Zukkin	25	5	30	12	56	17
Star Fruit	16	1	0	0	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	0	0	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**
Sea weed	762	166	1,308	287	2,070	453
CASH CROPS		**166**		**287**		**453**
Total		**14,805**		**37,653**		**52,457**

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

	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	0	0	0	18	13	0.7	18	13	0.7
CEREALS	**5,706**	**7,068**	**1.2**	**27,998**	**33,168**	**1.2**	**33,704**	**40,236**	**1.2**
Cassava	37	95	2.5	168	279	1.7	206	373	1.8
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
Seeweeds	1,757	3,084	1.8	674	970	1.4	2,431	4,054	1.7
Coco Seeweed	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**
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
Bambaranuts	26	17	0.7	0	0	0	26	17	0.7
PULSES	**1,384**	**932**	**0.7**	**825**	**337**	**0.4**	**2,210**	**1,269**	**0.6**
Simsim	0	0	0	0	0	0	0	0	0
Groundnut	265	180	0.7	434	506	1.2	699	685	1.0
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 Aubergine	67	432	6.4	62	277	4.5	129	709	5.5
Kothmir	2	2	1.1	0	0	0	2	2	1.1
Onion	6	10	1.5	0	0	0	6	10	1.5
Ginger	0	0	0	0	0	0	0	0	0
Zukkin	5	5	1.0	12	8	0.7	17	13	0.8
Star Fruit	1	0	0.1	0	0	0	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	0	0	0	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 & VEGETABLES	**1,987**	**9,483**	**4.8**	**1,960**	**9,187**	**4.7**	**3,946**	**18,670**	**4.7**
Seeweed	166	185	1.1	287	430	1.5	453	614	1.4
CASH CROPS	**166**	**185**	**1.1**	**287**	**430**	**1.5**	**453**	**614**	**1.4**
Total	**14,805**	**27,716**	**1.9**	**37,653**	**55,912**	**1.5**	**52,457**	**83,628**	**1.6**

5.2.1 CROP STORAGE: Number of households Storing Crops Season and District

	SHORT RAINY SEASON					LONG RAINY SEASON					SHORT & LONG SEASON				
District	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
North 'A'	7,938	94	473	6	8,411	12,727	98	252	2	12,979	20,665	97	725	3	21,390
North 'B'	5,370	92	484	8	5,853	7,151	97	229	3	7,380	12,521	95	713	5	13,234
Central	6,748	91	669	9	7,417	5,441	84	1,064	16	6,505	12,190	88	1,733	12	13,922
South	4,078	97	114	3	4,192	1,105	97	32	3	1,137	5,183	97	146	3	5,329
West	5,212	89	628	11	5,840	7,630	96	314	4	7,944	12,842	93	942	7	13,784
Wete	1,973	95	102	5	2,076	13,940	100	51	0	13,991	15,913	99	154	1	16,066
Micheweni	4,614	96	204	4	4,818	13,462	99	88	1	13,549	18,075	98	292	2	18,367
Chakechake	915	88	124	12	1,039	11,138	100	31	0	11,169	12,053	99	155	1	12,208
Mkoani	1,767	94	107	6	1,874	13,629	99	80	1	13,709	15,396	99	187	1	15,583
Total	**38,616**	**93**	**2,905**	**7**	**41,520**	**86,222**	**98**	**2,142**	**2**	**88,364**	**124,838**	**96**	**5,046**	**4**	**129,884**

5.2.2 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, North 'A' District

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	914	55	126	8	0	0	473	28	0	0	95	6	63	4	0	0	1,670	100
Paddy	1,134	55	63	3	0	0	63	3	189	9	0	0	126	6	504	24	2,079	100
Sorghum	284	41	63	9	0	0	284	41	0	0	0	0	32	5	32	5	693	100
Bulrush Millet	189	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	189	100
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
CEREALS	**2,520**	**54**	**252**	**5**	**0**	**0**	**819**	**18**	**189**	**4**	**95**	**2**	**221**	**5**	**536**	**12**	**4,631**	**100**
Cassava	32	50	0	0	0	0	0	0	32	50	0	0	0	0	0	0	63	100
Sweet Potato	2,142	78	221	8	0	0	32	1	32	1	32	1	221	8	63	2	2,741	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yams	2,300	80	284	10	0	0	32	1	0	0	63	2	158	5	32	1	2,867	100
Coco Yam	189	75	0	0	0	0	0	0	32	13	32	13	0	0	0	0	252	100
ROOTS & TUBERS	**4,725**	**78**	**536**	**9**	**0**	**0**	**63**	**1**	**95**	**2**	**126**	**2**	**441**	**7**	**95**	**2**	**6,080**	**100**
Beans	32	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	100
Cowpeas	315	63	32	6	0	0	126	25	0	0	0	0	32	6	0	0	504	100
Green gram	252	42	0	0	0	0	347	58	0	0	0	0	0	0	0	0	599	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**599**	**53**	**32**	**3**	**0**	**0**	**473**	**42**	**0**	**0**	**0**	**0**	**32**	**3**	**0**	**0**	**1,134**	**100**
Groundnut	0	0	0	0	0	0	63	100	0	0	0	0	0	0	0	0	63	100
OIL SEEDS & OIL NUTS	**0**	**.0**	**.0**	**.0**	**.0**	**.0**	**63**	**100**	**0**	**.0**	**0**		**0**	**.0**	**0**	**.0**	**63**	**100**

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Cont. 5.2.2 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, North 'A' District

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	95	60	0	0	0	0	0	0	0	0	0	0	32	20	32	20	158	100
Radish	0	0	0	0	0	0	32	100	0	0	0	0	0	0	0	0	32	100
Turmeric	158	50	0	0	0	0	95	30	0	0	32	10	32	10	0	0	315	100
Bitteer	0	0	0	0	0	0	0	0	0	0	0	0	32	100	0	0	32	100
Aubergine 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
Zukkin	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	347	55	32	5	0	0	0	0	32	5	0	0	189	30	32	5	630	100
Spinach	0	0	0	0	0	0	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	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	63	67	0	0	0	0	0	0	0	0	0	0	0	0	32	33	95	100
Pumpkins	126	80	0	0	0	0	32	20	0	0	0	0	0	0	0	0	158	100
Cucumber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	95	21	32	7	0	0	32	7	0	0	0	0	126	29	158	36	441	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**882**	**47**	**63**	**3**	**0**	**0**	**189**	**10**	**32**	**2**	**32**	**2**	**410**	**22**	**252**	**14**	**1,859**	**100**
Seaweed	63	40	32	20	0	0	0	0	0	0	0	0	63	40	0	0	158	100
CASH CROPS	**63**	**40.0**	**32**	**20.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**0**	**.0**	**63**	**40.0**	**0**	**.0**	**158**	**100**
Total	**8,726**	**63**	**882**	**6**	**0**	**0**	**1,607**	**12**	**315**	**2**	**252**	**2**	**1,103**	**8**	**882**	**6**	**13,766**	**100**

5.2.3 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, North 'B' District

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	865	79	51	5	0	0	25	2	25	2	0	0	127	12	0	0	1,094	100
Paddy	1,858	83	0	0	0	0	331	15	0	0	25	1	25	1	0	0	2,240	100
Sorghum	178	78	25	11	0	0	0	0	0	0	0	0	25	11	0	0	229	100
Bulrush Millet	127	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	100
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
CEREALS	**3,029**	**82**	**76**	**2**	**0**	**0**	**356**	**10**	**25**	**1**	**25**	**1**	**178**	**5**	**0**	**0**	**3,690**	**100**
Cassava	25	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	100
Sweet Potato	1,883	76	25	1	0	0	153	6	0	0	25	1	382	15	0	0	2,469	100
Irish potatoes	51	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	100
Yams	560	96	0	0	0	0	0	0	0	0	0	0	25	4	0	0	585	100
Coco Yam	407	80	0	0	0	0	0	0	0	0	0	0	102	20	0	0	509	100
ROOTS & TUBERS	**2,927**	**80**	**25**	**1**	**0**	**0**	**153**	**4**	**0**	**0**	**25**	**1**	**509**	**14**	**0**	**0**	**3,639**	**100**
Beans	25	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	100
Cowpeas	280	79	25	7	0	0	51	14	0	0	0	0	0	0	0	0	356	100
Green gram	51	67	0	0	0	0	25	33	0	0	0	0	0	0	0	0	76	100
Bambaranuts	0	0	0	0	0	0	25	100	0	0	0	0	0	0	0	0	25	100
PULSES	**356**	**74**	**25**	**5**	**0**	**0**	**102**	**21**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**484**	**100**
Groundnut	204	73	0	0	0	0	51	18	0	0	25	9	0	0	0	0	280	100
OIL SEEDS & OIL NUTS	**204**	**73.0**	**.0**	**.0**	**.0**	**.0**	**51**	**18.0**	**0**	**.0**	**25**	**.0**	**0**	**.0**	**0**	**.0**	**280**	**100.0**

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Cont. 5.2.3 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, North 'B' District

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	76	38	0	0	0	0	0	0	0	0	0	0	127	63	0	0	204	100
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	76	75	0	0	0	0	0	0	0	0	0	0	25	25	0	0	102	100
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
Zukkin	0	0	0	0	0	0	0	0	0	0	0	0	25	100	0	0	25	100
Star Fruit	0	0	0	0	0	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	0	0	0	0	0	0
Tomatoes	229	69	0	0	0	0	0	0	0	0	0	0	102	31	0	0	331	100
Spinach	0	0	0	0	0	0	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	25	100	0	0	25	100
Chillies	51	67	0	0	0	0	0	0	0	0	0	0	25	33	0	0	76	100
Amaranths	331	68	0	0	0	0	0	0	0	0	0	0	153	32	0	0	484	100
Pumpkins	76	60	25	20	0	0	0	0	0	0	0	0	25	20	0	0	127	100
Cucumber	178	54	0	0	0	0	0	0	0	0	0	0	153	46	0	0	331	100
Egg Plant	204	73	0	0	0	0	0	0	0	0	0	0	76	27	0	0	280	100
Water Mellon	25	50	0	0	0	0	0	0	0	0	0	0	25	50	0	0	51	100
FRUITS & VEGETABLES	**1,247**	**61**	**25**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**763**	**37**	**0**	**0**	**2,036**	**100**
Seaweed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	**0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**
Total	**7,762**	**77**	**153**	**2**	**0**	**0**	**662**	**7**	**25**	**0**	**76**	**1**	**1,451**	**14**	**0**	**0**	**10,129**	**100**

5.2.4 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Central District

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	760	53	213	15	0	0	365	26	0	0	0	0	91	6	0	0	1,429	100
Paddy	1,945	83	122	5	0	0	243	10	0	0	0	0	30	1	0	0	2,341	100
Sorghum	91	43	0	0	0	0	61	29	0	0	0	0	61	29	0	0	213	100
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
CEREALS	**2,797**	**70**	**334**	**8**	**0**	**0**	**669**	**17**	**0**	**0**	**0**	**0**	**182**	**5**	**0**	**0**	**3,982**	**100**
Cassava	30	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100
Sweet Potato	2,219	78	304	11	0	0	122	4	0	0	0	0	213	7	0	0	2,857	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yams	973	76	152	12	0	0	61	5	0	0	30	2	30	2	30	2	1,277	100
Coco Yam	365	39	213	23	0	0	91	10	0	0	30	3	243	26	0	0	942	100
ROOTS & TUBERS	**3,587**	**63**	**669**	**12**	**0**	**0**	**547**	**10**	**0**	**0**	**61**	**1**	**790**	**14**	**30**	**1**	**5,684**	**100**
Beans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	0	0	61	67	0	0	30	33	0	0	0	0	0	0	0	0	91	100
Green gram	30	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**30**	**25**	**61**	**50**	**0**	**0**	**30**	**25**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**122**	**100**
Groundnut	30	33	61	67	0	0	0	0	0	0	0	0	0	0	0	0	91	100
OIL SEEDS & OIL NUTS	**30**	**33**	**61**	**67**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**91**	**100**

Cont….

Cont. 5.2.4 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Central District

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	61	40	30	20	0	0	0	0	0	0	0	0	61	40	0	0	152	100
Radish	0	0	30	50	0	0	0	0	0	0	0	0	30	50	0	0	61	100
Turmeric	0	0	30	100	0	0	0	0	0	0	0	0	0	0	0	0	30	100
Bitteer Aubergine	61	50	30	25	0	0	0	0	0	0	0	0	30	25	0	0	122	100
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
Zukkin	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
Cabbage	30	50	0	0	0	0	0	0	0	0	0	0	30	50	0	0	61	100
Tomatoes	395	48	213	26	0	0	0	0	0	0	0	0	213	26	0	0	821	100
Spinach	0	0	30	100	0	0	0	0	0	0	0	0	0	0	0	0	30	100
Carrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	61	50	30	25	0	0	0	0	0	0	0	0	30	25	0	0	122	100
Amaranths	182	60	91	30	0	0	0	0	0	0	0	0	30	10	0	0	304	100
Pumpkins	486	89	30	6	0	0	30	6	0	0	0	0	0	0	0	0	547	100
Cucumber	182	67	30	11	0	0	0	0	0	0	0	0	61	22	0	0	274	100
Egg Plant	274	53	91	18	0	0	0	0	0	0	0	0	152	29	0	0	517	100
Water Mellon	30	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100
FRUITS & VEGETABLES	**1,763**	**57**	**638**	**21**	**0**	**0**	**30**	**1**	**0**	**0**	**0**	**0**	**638**	**21**	**0**	**0**	**3,070**	**100**
Seaweed	0	0	0	0	0	0	274	47	0	0	0	0	304	53	0	0	578	100
CASH CROPS	**0**	**.0**	**.0**	**.0**	**.0**	**.0**	**273.6**	**47**	**.0**	**.0**	**.0**	**.0**	**304.0**	**53**	**.0**	**.0**	**577.6**	**100**
Total	**8,207**	**63**	**1,763**	**14**	**0**	**0**	**1,277**	**10**	**0**	**0**	**61**	**0**	**1,611**	**12**	**30**	**0**	**12,950**	**100**

5.2.5 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, South District

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	357	55	16	3	32	5	16	3	49	8	0	0	179	28	0	0	650	100
Paddy	32	67	0	0	0	0	0	0	0	0	0	0	16	33	0	0	49	100
Sorghum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
CEREALS	**390**	**56**	**16**	**2**	**32**	**5**	**16**	**2**	**49**	**7**	**0**	**0**	**195**	**28**	**0**	**0**	**699**	**100**
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	211	81	0	0	16	6	0	0	0	0	0	0	32	13	0	0	260	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yams	2,258	66	341	10	16	0	32	1	32	1	552	16	195	6	0	0	3,428	100
Coco Yam	81	63	0	0	0	0	0	0	0	0	16	13	32	25	0	0	130	100
ROOTS & TUBERS	**2,551**	**67**	**341**	**9**	**32**	**1**	**32**	**1**	**32**	**1**	**569**	**15**	**260**	**7**	**0**	**0**	**3,818**	**100**
Beans	16	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	100
Cowpeas	114	70	0	0	0	0	0	0	16	10	0	0	32	20	0	0	162	100
Green gram	471	74	16	3	0	0	65	10	0	0	0	0	81	13	0	0	634	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**601**	**74**	**16**	**2**	**0**	**0**	**65**	**8**	**16**	**2**	**0**	**0**	**114**	**14**	**0**	**0**	**812**	**100**
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Cont..

Cont. 5.2.5 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, South District

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	65	36	0	0	0	0	0	0	0	0	0	0	114	64	0	0	179	100
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer	16	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	100
Aubergine 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
Zukkin	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	16	100	0	0	16	100
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	357	67	16	3	16	3	0	0	0	0	0	0	146	27	0	0	536	100
Spinach	0	0	0	0	0	0	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	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	114	100	0	0	114	100
Amaranths	32	25	0	0	0	0	32	25	0	0	0	0	65	50	0	0	130	100
Pumpkins	309	51	130	22	16	3	16	3	0	0	0	0	130	22	0	0	601	100
Cucumber	16	14	0	0	0	0	32	29	0	0	0	0	65	57	0	0	114	100
Egg Plant	292	56	0	0	16	3	49	9	0	0	0	0	162	31	0	0	520	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**1,089**	**49**	**146**	**7**	**49**	**2**	**130**	**6**	**0**	**0**	**0**	**0**	**812**	**36**	**0**	**0**	**2,226**	**100**
Seaweed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS																		
Total	**4,630**	**61**	**520**	**7**	**114**	**2**	**244**	**3**	**97**	**1**	**569**	**8**	**1,381**	**18**	**0**	**0**	**7,555**	**100**

5.2.6 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, West District

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	942	88	0	0	0	0	0	0	0	0	0	0	126	12	0	0	1,068	100
Paddy	659	50	220	17	0	0	345	26	0	0	31	2	63	5	0	0	1,319	100
Sorghum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
CEREALS	**1,601**	**67**	**220**	**9**	**0**	**0**	**345**	**14**	**0**	**0**	**31**	**1**	**188**	**8**	**0**	**0**	**2,386**	**100**
Cassava	0	0	0	0	0	0	31	100	0	0	0	0	0	0	0	0	31	100
Sweet Potato	1,633	75	31	1	63	3	63	3	0	0	0	0	314	14	63	3	2,167	100
Irish potatoes	63	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	100
Yams	691	76	0	0	0	0	31	3	0	0	31	3	157	17	0	0	911	100
Coco Yam	314	83	0	0	0	0	0	0	0	0	0	0	63	17	0	0	377	100
ROOTS & TUBERS	**2,700**	**76**	**31**	**1**	**63**	**2**	**126**	**4**	**0**	**0**	**31**	**1**	**534**	**15**	**63**	**2**	**3,548**	**100**
Beans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	188	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	100
Green gram	31	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	100
Bambaranuts	31	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	100
PULSES	**251**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**251**	**100**
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	220	78	0	0	0	0	0	0	0	0	0	0	63	22	0	0	283	100
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	**220**	**78**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**63**	**22**	**0**	**0**	**283**	**100**

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Cont. 5.2.6 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, West District

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	283	75	0	0	0	0	0	0	0	0	0	0	94	25	0	0	377	100
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	94	50	0	0	0	0	0	0	0	0	0	0	94	50	0	0	188	100
Kothmir	0	0	0	0	0	0	0	0	0	0	0	0	31	100	0	0	31	100
Onion	31	50	0	0	0	0	0	0	0	0	0	0	31	50	0	0	63	100
Zukkin	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
Cabbage	31	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	100
Tomatoes	597	83	0	0	0	0	0	0	0	0	0	0	126	17	0	0	722	100
Spinach	0	0	0	0	0	0	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	31	100	0	0	31	100
Chillies	157	71	0	0	0	0	0	0	0	0	0	0	63	29	0	0	220	100
Amaranths	283	75	0	0	0	0	0	0	0	0	0	0	94	25	0	0	377	100
Pumpkins	63	40	0	0	0	0	0	0	0	0	0	0	94	60	0	0	157	100
Cucumber	126	40	0	0	0	0	0	0	0	0	0	0	188	60	0	0	314	100
Egg Plant	408	81	0	0	0	0	0	0	0	0	0	0	94	19	0	0	502	100
Water Mellon	31	50	0	0	0	0	0	0	0	0	0	0	31	50	0	0	63	100
FRUITS & VEGETABLES	**2,104**	**68**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**973**	**32**	**0**	**0**	**3,077**	**100**
Seaweed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	**0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**
Total	**6,876**	**72**	**251**	**3**	**63**	**1**	**471**	**5**	**0**	**0**	**63**	**1**	**1,758**	**18**	**63**	**1**	**9,545**	**100**

5.2.7 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Wete District

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	128	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	100
Paddy	128	83	26	17	0	0	0	0	0	0	0	0	0	0	0	0	154	100
Sorghum	26	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	100
Bulrush Millet	102	67	0	0	0	0	0	0	0	0	0	0	51	33	0	0	154	100
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
CEREALS	**384**	**83**	**26**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**51**	**11**	**0**	**0**	**461**	**100**
Cassava	26	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	100
Sweet Potato	384	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	384	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yams	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	**410**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**410**	**100**
Beans	26	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	100
Cowpeas	1,127	96	0	0	0	0	0	0	0	0	0	0	51	4	0	0	1,179	100
Green gram	205	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	205	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**1,358**	**96**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**51**	**4**	**0**	**0**	**1,409**	**100**
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Cont. 5.2.7 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Wete District

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Zukkin	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	102	44	0	0	0	0	0	0	0	0	0	0	128	56	0	0	231	100
Spinach	26	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	100
Carrot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	128	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	100
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucumber	26	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	100
Egg Plant	26	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**307**	**71**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**128**	**29**	**0**	**0**	**436**	**100**
Seaweed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS																		
Total	**2,460**	**91**	**26**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**231**	**8**	**0**	**0**	**2,716**	**100**

5.2.8 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Micheweni District

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paddy	0	0	0	0	0	0	292	100	0	0	0	0	0	0	0	0	292	100
Sorghum	321	52	0	0	0	0	263	43	0	0	0	0	29	5	0	0	613	100
Bulrush Millet	2,278	80	0	0	0	0	321	11	0	0	0	0	204	7	29	1	2,832	100
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
CEREALS	**2,599**	**70**	**0**	**0**	**0**	**0**	**876**	**23**	**0**	**0**	**0**	**0**	**234**	**6**	**29**	**1**	**3,738**	**100**
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	1,139	98	0	0	0	0	0	0	0	0	0	0	29	3	0	0	1,168	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yams	29	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	100
Coco Yam	29	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	100
ROOTS & TUBERS	**1,197**	**98**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**29**	**2**	**0**	**0**	**1,226**	**100**
Beans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	292	77	0	0	0	0	58	15	0	0	0	0	29	8	0	0	380	100
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	58	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	100
PULSES	**350**	**80**	**0**	**0**	**0**	**0**	**58**	**13**	**0**	**0**	**0**	**0**	**29**	**7**	**0**	**0**	**438**	**100**
Sunflower Simsim Groundnut Soya Beans Castor Fung	117	67	0	0	0	0	58	33	0	0	0	0	0	0	0	0	175	100
OIL SEEDS & OIL NUTS	**117**	**67**	**0**	**0**	**0**	**0**	**58**	**33**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**175**	**100**

Cont….

Cont. 5.2.8 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Micheweni District

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	29	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	100
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aubergine 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
Zukkin	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	58	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	100
Spinach	0	0	0	0	0	0	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	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	29	50	0	0	0	0	0	0	0	0	0	0	29	50	0	0	58	100
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucumber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	29	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**146**	**83**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**29**	**17**	**0**	**0**	**175**	**100**
Seaweed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**4,409**	**77**	**0**	**0**	**0**	**0**	**993**	**17**	**0**	**0**	**0**	**0**	**321**	**6**	**29**	**1**	**5,753**	**100**

5.2.9 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Chakechake District

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	62	50	0	0	0	0	62	50	0	0	0	0	0	0	0	0	124	100
Paddy	62	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	100
Sorghum	62	50	0	0	0	0	62	50	0	0	0	0	0	0	0	0	124	100
Bulrush Millet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
CEREALS	**186**	**60**	**0**	**0**	**0**	**0**	**124**	**40**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**310**	**100**
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	62	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yams	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Coco Yam	31	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	100
ROOTS & TUBERS	**93**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**93**	**100**
Beans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	310	61	0	0	0	0	178	35	0	0	23	5	0	0	0	0	512	100
Green gram	31	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**341**	**63**	**0**	**0**	**0**	**0**	**178**	**33**	**0**	**0**	**23**	**4**	**0**	**0**	**0**	**0**	**543**	**100**
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	124	50	0	0	0	0	0	0	0	0	0	0	124	50	0	0	248	100
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	**124**	**50**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**124**	**50**	**0**	**0**	**248**	**100**

Cont….

Cont. 5.2.9 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Chakechake District

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aubergine 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
Zukkin	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	0	0	0	0	0	0	0	0	31	100	0	0	31	100
Spinach	0	0	0	0	0	0	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	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	31	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	100
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucumber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**31**	**50**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**31**	**50**	**0**	**0**	**62**	**100**
Seaweed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS																		
Total	**775**	**62**	**0**	**0**	**0**	**0**	**302**	**24**	**0**	**0**	**23**	**2**	**155**	**12**	**0**	**0**	**1,256**	**100**

5.2.10 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Mkoani District

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	295	79	27	7	0	0	0	0	0	0	0	0	27	7	27	7	375	100
Paddy	161	67	27	11	0	0	54	22	0	0	0	0	0	0	0	0	241	100
Sorghum	54	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	100
Bulrush Millet	295	73	80	20	0	0	0	0	0	0	0	0	0	0	27	7	402	100
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
CEREALS	**803**	**75**	**134**	**13**	**0**	**0**	**54**	**5**	**0**	**0**	**0**	**0**	**27**	**3**	**54**	**5**	**1,071**	**100**
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	107	80	0	0	0	0	0	0	0	0	0	0	0	0	27	20	134	100
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yams	27	50	27	50	0	0	0	0	0	0	0	0	0	0	0	0	54	100
Coco Yam	54	67	27	33	0	0	0	0	0	0	0	0	0	0	0	0	80	100
ROOTS & TUBERS	**187**	**64**	**54**	**18**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**27**	**9**	**27**	**9**	**295**	**100**
Beans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	616	68	54	6	0	0	161	18	0	0	0	0	54	6	27	3	910	100
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	100	27	100
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	**616**	**66**	**54**	**6**	**0**	**0**	**161**	**17**	**0**	**0**	**0**	**0**	**54**	**6**	**54**	**6**	**937**	**100**
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	54	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	100
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	**54**	**100**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**54**	**100**

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Cont. 5.2.10 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Short Rainy Season, Mkoani District

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	0	0	0	0	0	0	0	0	0	0	0	0	27	100	0	0	27	100
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Turmeric	0	0	0	0	0	0	0	0	0	0	0	0	27	100	0	0	27	100
Bitteer Aubergine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
Zukkin	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	27	33	27	33	0	0	0	0	0	0	0	0	27	33	0	0	80	100
Spinach	0	0	0	0	0	0	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	0	0	0	0	0
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	80	75	0	0	0	0	0	0	0	0	0	0	0	0	27	25	107	100
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucumber	27	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	100
Egg Plant	27	50	0	0	0	0	0	0	0	0	0	0	0	0	27	50	54	100
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	**161**	**50**	**27**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**80**	**25**	**54**	**17**	**321**	**100**
Seaweeed	0	0	0	0	0	0	0	0	0	0	0	0	27	100	0	0	27	100
CASH CROPS	**0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**.0**	**27.0**	**.0**	**.0**		**27.0**	
Total	**1,821**	**68**	**268**	**10**	**0**	**0**	**214**	**8**	**0**	**0**	**0**	**0**	**187**	**7**	**187**	**7**	**2,678**	**100**

5.2.11: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by District during SHORT and LONG RAINY SEASONS 2007/08 AGRICULTURAL YEAR

	SHORT RAINY SEASON				LONG RAINY SEASON				SHORT & LONG SEASON	
District	Number of Household	%	Planted Area (hectare)	%	Number of Household	%	Planted Area (hectare)	%	Number of Household	Planted Area (hectare)
North 'A'	8,411	39	3,209	35	12,979	61	5,872	65	21,390	9,081
North 'B'	5,853	27	2,515	28	7,380	35	3,448	38	13,234	5,963
Central	7,417	35	6,262	69	6,505	30	6,505	72	13,922	12,767
South	4,192	20	2,388	26	1,137	5	1,137	13	5,329	3,526
West	5,840	27	1,734	19	7,944	37	2,825	31	13,784	4,558
Wete	2,076	10	733	8	13,991	65	6,087	67	16,066	6,819
Micheweni	4,818	23	1,327	15	13,549	63	5,263	58	18,367	6,590
Chakechake	1,039	5	336	4	11,169	52	5,152	57	12,208	5,488
Mkoani	1,874	9	624	7	13,709	64	5,506	61	15,583	6,129
Total	**41,520**		**19,127**		**88,364**		41,795		**129,884**	60,922

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

	Organic Fertlizer Use						
District	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	% of Planted area using Organic Fertlizer
North 'A'	1,040	365	7,371	2,844	8,411	3,209	11.4
North 'B'	916	375	4,937	2,140	5,853	2,515	14.9
Central	2,006	884	5,411	5,378	7,417	6,262	14.1
South	1,056	202	3,136	2,186	4,192	2,388	8.4
West	1,507	484	4,333	1,250	5,840	1,734	27.9
Wete	102	36	1,973	696	2,076	733	5.0
Micheweni	701	305	4,117	1,022	4,818	1,327	23.0
Chakechake	93	35	946	302	1,039	336	10.3
Mkoani	80	11	1,794	613	1,874	624	1.7
Total	**7,502**	**2,696**	**34,018**	**16,431**	**41,520**	19,127	**14.1**

Cont.. 5.2.12 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Organic Fertiliser Use and District - LONG RAINY SEASON

	Organic Fertlizer Use						
Districts	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	% of Planted area using Organic Fertlizer
North 'A'	1,134	437	11,845	5,435	12,979	5,872	7.4
North 'B'	1,120	487	6,261	2,961	7,380	3,448	14.1
Central	1,246	721	5,259	5,784	6,505	6,505	11.1
South	227	30	910	1,108	1,137	1,137	2.6
West	1,162	388	6,782	2,436	7,944	2,825	13.7
Wete	743	283	13,248	5,804	13,991	6,087	4.6
Micheweni	701	304	12,848	4,959	13,549	5,263	5.8
Chakechake	178	96	10,991	5,055	11,169	5,152	1.9
Mkoani	295	179	13,415	5,327	13,709	5,506	3.2
Total	**6,806**	**2,926**	**81,558**	**38,869**	**88,364**	41,795	**7.0**

5.2.13: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Inorganic Fertiliser Use and District, Short rainy season

District	Inorganic Fertilizer Use					
	Number of Households using Inorganic Fertilizer	Planted Area with Inorganic Fertilizer	Number of Households NOT using Inorganic Fertilizer	Planted Area with no Inorganic Fertilizer	Total Number of Households	Total Planted Area (ha)
North 'A'	536	240	2,969	2,969	8,411	
North 'A'						3,209
North 'B'	356	139	2,376	2,376	5,853	2,515
Central	942	343	5,919	2,956	7,417	6,262
South	32	5	2,383	1,023	4,192	2,388
West	785	214	1,520	1,520	5,840	1,734
Wete	51	16	717	717	2,076	733
Micheweni	58	18	1,309	1,309	4,818	1,327
Chake	31	13	324	324	1,039	336
Mkoani	107	30	594	594	1,874	624
Total	**2,899**	**1,016**	**18,111**	**13,788**	**41,520**	19,127

Cont..5.2.13: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of Households and Planted Area by Inorganic Fertiliser Use and District, Long Rainy season

District	Inorganic Fertilizer Use					
	Number of Households using Inorganic Fertilizer	Planted Area with Inorganic Fertilizer	Number of Households NOT using Inorganic Fertilizer	Planted Area with no Inorganic Fertilizer	Total Number of Households	Total Planted Area (ha)
North 'A'	1,134	510	12,317	5,362	12,979	5,872
North 'A'						
North 'B'	763	334	6,922	3,115	7,380	3,448
Central	1,094	454	5,928	6,051	6,505	6,505
South	0	0	1,137	1,137	1,137	1,137
West	1,099	317	7,190	2,508	7,944	2,825
Wete	922	343	13,427	5,743	13,991	6,087
Micheweni	88	28	13,549	5,235	13,549	5,263
Chake	504	178	10,781	4,974	11,169	5,152
Mkoani	1,205	444	12,825	5,062	13,709	5,506
Total	**6,810**	**2,608**	**84,078**	**39,187**	**88,364**	41,795

5..2.14: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Fungicide Use and District - Short Rainy Season

District	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	
North 'A'	32	19	8,380	3,190	8,411	3,209	0.6
North 'B'	51	26	5,803	2,489	5,853	2,515	1.0
Central	274	222	7,144	6,040	7,417	6,262	3.5
South	0	0	4,192	2,388	4,192	2,388	0
West	126	73	5,715	1,661	5,840	1,734	4.2
Wete	0	0	2,076	733	2,076	733	0
Micheweni	0	0	4,818	1,327	4,818	1,327	0
Chakechake	0	0	1,039	336	1,039	336	0
Mkoani	27	22	1,848	602	1,874	624	3.5
Total	**508**	**362**	**41,012**	**18,765**	**41,520**	19,127	**1.9**

Cont..5..2.14: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Fungicide Use and District - Long Rainy Season

District	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	
North 'A'	63	10	12,916	5,863	12,979	5,872	0.2
North 'B'	51	23	7,330	3,425	7,380	3,448	0.7
Central	213	94	6,292	6,412	6,505	6,505	1.4
South	0	0	1,137	1,137	1,137	1,137	0.0
West	31	19	7,913	2,805	7,944	2,825	0.7
Wete	0	0	13,991	6,087	13,991	6,087	0.0
Micheweni	29	4	13,520	5,259	13,549	5,263	0.1
Chakechake	0	0	11,169	5,152	11,169	5,152	0.0
Mkoani	80	26	13,629	5,480	13,709	5,506	0.5
Total	**468**	**176**	**87,896**	**41,619**	**88,364**	41,795	**0.4**

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

District	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	
North 'A'	63	14	8,411	3,194	8,411	3,209	0.4
North 'B'	204	108	5,726	2,407	5,853	2,515	3.4
Central	669	414	7,113	5,848	7,417	6,262	12.9
South	0	0	4,192	2,388	4,192	2,388	0.0
West	0	0	5,840	1,734	5,840	1,734	0.0
Wete	26	10	2,050	722	2,076	733	0.3
Micheweni	0	0	4,818	1,327	4,818	1,327	0.0
Chakechake	0	0	1,039	336	1,039	336	0.0
Mkoani	27	11	1,874	613	1,874	624	0.3
Total	**988**	**558**	**41,063**	18,569	**41,520**	19,127	17.4

Cont..5.2.15 ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Herbicide Use and District - Long Rainy Season

District	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	
North 'A'	567	277	12,412	5,595	12,979	5,872	4.7
North 'B'	484	220	6,897	3,228	7,380	3,448	6.4
Central	608	311	5,897	6,194	6,505	6,505	4.8
South	0	0	1,137	1,137	1,137	1,137	0.0
West	314	131	7,630	2,693	7,944	2,825	4.6
Wete	77	34	13,914	6,053	13,991	6,087	0.6
Micheweni	0	0	13,549	5,263	13,549	5,263	0.0
Chakechake	147	78	11,022	5,074	11,169	5,152	1.5
Mkoani	616	235	13,093	5,270	13,709	5,506	4.3
Total	**2,813**	**1,287**	**85,551**	**40,508**	**88,364**	41,795	**3.1**

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

District	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	
North 'A'	32	19	8,380	3,190	8,411	3,209	0.6
North 'B'	51	26	5,803	2,489	5,853	2,515	1.0
Central	274	222	7,144	6,040	7,417	6,262	3.5
South	0	0	4,192	2,388	4,192	2,388	0
West	126	73	5,715	1,661	5,840	1,734	4.2
Wete	0	0	2,076	733	2,076	733	0
Micheweni	0	0	4,818	1,327	4,818	1,327	0
Chakechake	0	0	1,039	336	1,039	336	0
Mkoani	27	22	1,848	602	1,874	624	3.5
Total	**508**	**362**	**41,012**	**18,765**	**41,520**	19,127	**1.9**

Cont..5.2.16: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Fungicide Use and District - Long Rainy Season

District	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	
North 'A'	63	10	12,916	5,863	12,979	5,872	0.2
North 'B'	51	23	7,330	3,425	7,380	3,448	0.7
Central	213	94	6,292	6,412	6,505	6,505	1.4
South	0	0	1,137	1,137	1,137	1,137	0.0
West	31	19	7,913	2,805	7,944	2,825	0.7
Wete	0	0	13,991	6,087	13,991	6,087	0.0
Micheweni	29	4	13,520	5,259	13,549	5,263	0.1
Chakechake	0	0	11,169	5,152	11,169	5,152	0.0
Mkoani	80	26	13,629	5,480	13,709	5,506	0.5
Total	**468**	**176**	**87,896**	**41,619**	**88,364**	41,795	**0.4**

5.2.17. : ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Herbicide Use and District - Short Rainy Season

District	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	
North 'A'	63	14	8,411	3,194	8,411	3,209	0.4
North 'B'	204	108	5,726	2,407	5,853	2,515	3.4
Central	669	414	7,113	5,848	7,417	6,262	12.9
South	0	0	4,192	2,388	4,192	2,388	0.0
West	0	0	5,840	1,734	5,840	1,734	0.0
Wete	26	10	2,050	722	2,076	733	0.3
Micheweni	0	0	4,818	1,327	4,818	1,327	0.0
Chakechake	0	0	1,039	336	1,039	336	0.0
Mkoani	27	11	1,874	613	1,874	624	0.3
Total	**988**	**558**	**41,063**	18,569	**41,520**	19,127	17.4

Cont. 5.2.17.: ANNUAL CROP & VEGETABLE PRODUCTION: Number of Households and Planted Area by Herbicide Use and District - Long Rainy Season

District	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	
North 'A'	567	277	12,412	5,595	12,979	5,872	4.7
North 'B'	484	220	6,897	3,228	7,380	3,448	6.4
Central	608	311	5,897	6,194	6,505	6,505	4.8
South	0	0	1,137	1,137	1,137	1,137	0.0
West	314	131	7,630	2,693	7,944	2,825	4.6
Wete	77	34	13,914	6,053	13,991	6,087	0.6
Micheweni	0	0	13,549	5,263	13,549	5,263	0.0
Chakechake	147	78	11,022	5,074	11,169	5,152	1.5
Mkoani	616	235	13,093	5,270	13,709	5,506	4.3
Total	**2,813**	**1,287**	**85,551**	**40,508**	**88,364**	41,795	**3.1**

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

District	Using Improved seed		Not using Improved seed		TOTAL		% of Planted Area Using Improved seeds
	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	
North 'A'	1,197	335	7,214	2,874	8,411	3,209	10.4
North 'B'	611	240	5,243	2,275	5,853	2,515	9.5
Central	2,371	814	5,046	2,486	7,417	3,300	24.7
South	195	18	3,997	1,010	4,192	1,028	1.8
West	1,664	384	4,176	1,350	5,840	1,734	22.1
Wete	77	15	1,999	718	2,076	733	2.0
Micheweni	146	43	4,672	1,284	4,818	1,327	3.2
Chakechake	186	53	853	283	1,039	336	15.9
Mkoani	54	5	1,821	618	1,874	624	0.9
Total	**6,500**	**1,907**	**35,020**	**12,898**	**41,520**	**14,805**	**12.9**

Cont 5.2.18: ANNUAL CROP AND VEGETABLE PRODUCTION: Number of crop Growing Households and Planted Area (hectare) by Improved Seed Use and District; 2007/08 Agriculture Year - LONG Rainy Season

District	Using Improvedseed		Not using Improved seed		TOTAL		% of Planted Area Using Improved seeds
	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	
North 'A'	2,111	716	10,868	5,157	12,979	5,872	12.2
North 'B'	433	194	6,948	3,254	7,380	3,448	5.6
Central	1,824	552	4,681	2,769	6,505	3,321	16.6
South	65	8	1,072	171	1,137	179	4.6
West	1,256	349	6,688	2,476	7,944	2,825	12.4
Wete	333	87	13,658	5,999	13,991	6,087	1.4
Micheweni	58	30	13,491	5,233	13,549	5,263	0.6
Chakechake	124	28	11,045	5,124	11,169	5,152	0.5
Mkoani	27	3	13,682	5,503	13,709	5,506	0.0
Total	**6,230**	**1,967**	**82,133**	**35,686**	**88,364**	**37,653**	**5.2**

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

District	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	
North 'A'	95	54	8,317	3,155	8,411	3,209	1.7
North 'B'	356	139	5,497	2,376	5,853	2,515	5.5
Central	790	499	6,627	5,763	7,417	6,262	8.0
South	276	47	3,915	2,341	4,192	2,388	2.0
West	659	284	5,181	1,449	5,840	1,734	16.4
Wete	26	5	2,050	728	2,076	733	0.7
Micheweni	29	12	4,789	1,315	4,818	1,327	0.9
Chakechake	0	0	1,039	336	1,039	336	0.0
Mkoani	134	26	1,740	597	1,874	624	4.2
Total	**2,365**	**1,066**	**39,155**	18,061	**41,520**	19,127	**5.6**

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

District	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	
North 'A'	315	119	12,664	5,754	12,979	5,872	2.0
North 'B'	178	80	7,202	3,368	7,380	3,448	2.3
Central	730	273	5,776	6,232	6,505	6,505	4.2
South	146	22	991	1,115	1,137	1,137	2.0
West	440	188	7,504	2,636	7,944	2,825	6.7
Wete	0	0	13,991	6,087	13,991	6,087	0.0
Micheweni	29	12	13,520	5,251	13,549	5,263	0.2
Chakechake	0	0	11,169	5,152	11,169	5,152	0.0
Mkoani	187	72	13,522	5,434	13,709	5,506	1.3
Total	**2,025**	**766**	86,339	**41,028**	**88,364**	41,795	**1.8**

5.2.20. MARKETING: Number of Crop Producing households reporting Selling agricultural produce during 2007/08 by District and Season

	SHORT RAINY SEASON					LONG RAINY SEASON				
Distirct	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
North 'A'	4,284	51	4,127	49	8,411	3,497	27	9,482	73	12,979
North 'B'	3,359	57	2,494	43	5,853	2,596	35	4,785	65	7,380
Central	4,681	63	2,736	37	7,417	4,225	65	2,280	35	6,505
South	2,811	67	1,381	33	4,192	650	57	487	43	1,137
West	3,485	60	2,355	40	5,840	2,983	38	4,961	62	7,944
Wete	666	32	1,409	68	2,076	2,204	16	11,787	84	13,991
Micheweni	847	18	3,971	82	4,818	3,241	24	10,308	76	13,549
Chakechake	248	24	791	76	1,039	1,674	15	9,495	85	11,169
Mkoani	1,071	57	803	43	1,874	2,490	18	11,219	82	13,709
Total	21,453	51.7	20,067	48	41,520	23,560	27	64,804	73	**88,364**

5.2.21 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
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**
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
Bambaranuts	31	0	0	0	0	0	0	0	0	0	29	0	55
PULSES	**945**	**43**	**0**	**30**	**94**	**0**	**0**	**70**	**0**	**0**	**676**	**0**	**4,271**
Groundnut	399	32	0	0	62	25	0	0	0	0	213	0	462
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
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
FRUITS & VEGETABLES	**6,663**	**123**	**323**	**345**	**1,107**	**32**	**0**	**158**	**0**	**180**	**2,203**	**48**	**2,082**
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**
%	**62**	**1**	**7**	**3**	**9**	**0**	**0**	**1**	**0**	**2**	**23**	**0**	**100**

5.2.22 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
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
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**
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
PULSES	**217**	**91**	**27**	**0**	**27**	**0**	**0**	**0**	**0**	**25**	**258**	**0**	**4,045**
Groundnut	955	25	51	0	236	0	0	0	0	0	167	0	205
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
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
FRUITS & VEGETABLES	**6,034**	**174**	**709**	**181**	**473**	**0**	**0**	**25**	**0**	**57**	**1,507**	**26**	**2,895**
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**
%	25.3	0.6	2.1	0.5	1.8	0.0	0.1	0.1	0.6	0.2	7.6	0.2	100.0

5.3.1 PERMANENT CROPS: Number of Households Planting Permanent Crops by District , 2007/08 Agriculture Year

District	Have Crops/Fruit Trees		Does Not Have Crops/Fruit Trees		Total	
	Number	%	Number	%	Number	%
North 'A'	15,530	82	3,371	17.8	18,901	100.0
North 'B'	10,078	88	1,374	12.0	11,452	100.0
Central	12,068	88	1,611	11.8	13,679	100.0
South	6,450	98	130	2.0	6,580	100.0
West	15,480	83	3,171	17.0	18,651	100.0
Wete	14,426	94	948	6.2	15,374	100.0
Micheweni	16,674	95	847	4.8	17,520	100.0
Chakechake	13,378	97	457	3.3	13,835	100.0
Mkoani	15,342	95	857	5.3	16,199	100.0
Total	**119,427**	90	**12,766**	9.7	**132,193**	100.0

5.3.2: PERMANENT CROPS: Planted Area and Area Harvested by Type of Planting and District

District	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)
	Number of household	Area	Number of household	Area	Number of household	Area	
North 'A'	10,396	4,022	7,340	3,470	15,530	7,492	6,399
North 'B'	7,253	3,338	5,421	4,273	10,053	7,610	5,653
Central	5,228	2,975	8,967	8,058	12,068	11,033	6,959
South	2,161	696	5,345	2,603	6,450	3,299	2,774
West	8,321	3,358	9,388	5,560	15,480	8,919	6,616
Wete	10,813	5,724	6,175	5,586	14,426	11,311	9,159
Micheweni	12,381	6,230	7,505	3,328	16,674	9,559	9,054
Chakechake	10,138	5,709	4,449	2,958	13,378	8,667	8,120
Mkoani	11,576	6,893	5,998	3,711	15,342	10,604	9,459
Total	**78,267**	**38,945**	**60,588**	**39,548**	**119,401**	**78,493**	**64,193**

5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- North 'A' District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Banana	5,103	1,174	1,061	3648708	3,649	3.4	3,439
Mango	1,449	312	190	566341	566	3.0	2,976
Pigeon pea	4,095	1,125	926	386843	387	0.4	418
Coconut	1,418	553	230	310010	310	1.3	1,347
Orange	725	111	93	602348	602	6.5	6,468
Sugar cane	63	19	19	157510	158	8.5	8,467
Other	14,617	4,199	3,880	9216166	9,216	2.4	2,375
Total	**27,470**	**7,492**	**6,399**	**14,887,927**	**14,888**	**2.3**	**2,327**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- North 'B' District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Banana	5,803	1,479	1,223	4,387,248	4,387	3.6	3,588
Mango	1,043	214	74	674,192	674	9.1	9,136
Pigeon pea	229	67	56	7,813	8	0.1	140
Coconut	2,163	1,357	382	1,783,169	1,783	4.7	4,665
Orange	1,451	178	89	444,532	445	5.0	4,972
Sugar cane	127	19	18	104,370	104	6.0	5,952
Other	12,216	4,295	3,811	12,136,854	12,137	3.2	3,184
Total	23,032	7,610	5,653	19,538,178	19,538	**3.5**	**3,456**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- Central District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Banana	8,663	2,186	1,827	11042590.9	11,043	6.0	6,045
Mango	2,645	814	449	3939843.8	3,940	8.8	8,782
Pigeon pea	547	184	94	76967.5	77	0.8	818
Coconut	4,256	1,555	655	2000304.6	2,000	3.1	3,056
Orange	3,830	1,146	603	4605619.0	4,606	7.6	7,638
Sugar cane	395	180	168	2168861.1	2,169	12.9	12,924
Other	15,685	4,968	3,164	9736939.5	9,737	3.1	3,078
Total	**36,022**	**11,033**	**6,959**	**33571126.4**	**33,571**	**4.8**	**4,824**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- South District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Banana	2,405	556	480	3,042,836.1	3,043	6.3	6,339
Mango	1,040	186	102	685,950.0	686	6.7	6,703
Pigeon pea	1,397	192	187	94,604.3	95	0.5	505
Coconut	1,381	319	221	590,111.0	590	2.7	2,667
Orange	845	112	61	1,479,907.8	1,480	24.4	24,401
Sugar cane	49	3	2	7,311.0	7	3.3	3,266
Other	8,643	1,931	1,720	7,332,343.0	7,332	4.3	4,263
Total	**15,759**	**3,299**	**2,774**	**13,233,063.3**	**13,233**	**4.8**	**4,771**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- West District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Banana	9,451	2,093	1,781	10086259.9	10,086	5.7	5,663
Mango	1,915	303	182	1120426.9	1,120	6.2	6,169
Pigeon pea	220	10	6	18054.7	18	2.9	2,921
Coconut	3,046	1,274	539	2473429.6	2,473	4.6	4,588
Orange	2,355	377	240	2689960.3	2,690	11.2	11,193
Sugar cane	94	9	9	65091.1	65	7.2	7,213
Other	19,468	4,851	3,859	13750074.4	13,750	3.6	3,563
Total	36,549	8,919	6,616	30203296.8	30,203	**4.6**	**4,565**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- Wete District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Banana	8,866	1,883	1,809	12498594	12,499	6.9	6,911
Mango	1,332	289	203	2205062	2,205	10.9	10,877
Pigeon pea	0	0	0	0	0	0	0
Coconut	3,869	1,285	938	2999436	2,999	3.2	3,197
Orange	128	315	20	219343	219	11.1	11,090
Sugar cane	51	29	29	22703	23	0.8	776
Other	16,938	7,510	6,161	21196177	21,196	3.4	3,441
Total	31,185	11,311	9,159	39141315	39,141	**4.3**	**4,274**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- Micheweni District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashew nut	58	7	7	730	1	0.10	97.8
Banana	4,555	889	858	5,931,150	5,931	6.9	6,914
Mango	321	37	21	248,731	249	11.9	11,862
Pigeon pea	0	0	0	0	0	0	0
Coconut	3,124	1,107	985	2,546,297	2,546	2.6	2,586
Orange	58	30	30	4,497	4	0.1	150
Sugar cane	117	63	32	645,101	645	20.3	20,258
Other	17,754	7,426	7,159	25,458,183	25,458	3.6	3,556
Total	**25,989**	**9,559**	**9,054**	**34,834,689**	**34,835**	**3.8**	**3,847**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- Chakechake District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashew nut	0	0	0	0	0	0.0	0
Banana	8,727	2,342	2,305	19,063,063	19,063	8.3	8,271
Mango	372	37	23	398,394	398	17.5	17,548
Pigeon pea	0	0	0	0	0	0	0
Coconut	953	231	160	986,343	986	6.2	6,177
Orange	31	1	0	0	0	0	0
Sugar cane	147	29	29	346,696	347	12.0	11,959
Other	15,362	6,028	5,604	22,274,755	22,275	4.0	3,975
Total	**25,593**	**8,667**	**8,120**	**43,069,252**	**43,069**	**5.3**	**5,304**

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5.3.3 PERMANENT CROPS: Area Planted, Area harvested, Quantity Harvested and Yield by Type of Permanent Crop- Mkoani District

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (kgs)	Quantity Harvested (tons)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashew nut	0	0	0	0	0	0.0	0
Banana	10,567	3,312	2,668	24,638,710	24,639	9.2	9,234
Mango	268	24	17	271,638	272	15.9	15,906
Pigeon pea	0	0	0	0	0	0	0
Coconut	1,651	375	293	825,017	825	2.8	2,815
Orange	723	105	88	892,108	892	10.2	10,159
Sugar cane	80	2	2	129,058	129	61.2	61,214
Other	16,895	6,785	6,390	23,005,731	23,006	3.6	3,600
Total	**30,185**	**10,604**	**9,459**	**49,762,262**	**49,762**	**5.3**	**5,261**

5.3.4: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District

District	Cashew nut								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
North 'A'	0	0	0	0	0	0	0	0	3,371	734	2,300	440	5,103	1,174	1,061	3,649
North 'B'	0	0	0	0	0	0	0	0	2,927	690	3,538	788	5,803	1,479	1,223	4,387
Central	0	0	0	0	0	0	0	0	2,979	954	6,414	1,232	8,663	2,186	1,827	11,043
South	0	0	0	0	0	0	0	0	617	186	1,787	370	2,405	556	480	3,043
West	0	0	0	0	0	0	0	0	3,674	878	6,405	1,215	9,451	2,093	1,781	10,086
Wete	0	0	0	0	0	0	0	0	5,074	1,181	3,946	702	8,866	1,883	1,809	12,499
Micheweni	29	6	29	2	58	7	0	1	2,686	593	2,219	295	4,555	889	858	5,931
Chakechake	0	0	0	0	0	0	0	0	5,364	1,583	3,457	759	8,727	2,342	2,305	19,063
Mkoani	0	0	0	0	0	0	0	0	6,506	1,881	4,757	1,431	10,567	3,312	2,668	24,639
Total	**29**	**6**	**29**	**2**	**58**	**7**	**0**	**1**	**33,198**	**8,680**	**34,823**	**7,233**	**64,141**	**15,913**	**14,011**	**94,339**

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5.3.4: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District

District	Mango								Pigeon pea							
	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
North 'A'	378	57	1,197	255	1,449	312	190	566	2,016	435	2,268	690	4,095	1,125	926	387
North 'B'	178	28	967	187	1,043	214	74	674	102	35	127	33	229	67	56	8
Central	365	43	2,614	771	2,645	814	449	3,940	213	40	334	144	547	184	94	77
South	16	2	1,024	184	1,040	186	102	686	422	49	1,007	143	1,397	192	187	95
West	314	56	1,790	247	1,915	303	182	1,120	63	6	157	4	220	10	6	18
Wete	256	53	1,102	236	1,332	289	203	2,205	0	0	0	0	0	0	0	0
Micheweni	58	9	263	29	321	37	21	249	0	0	0	0	0	0	0	0
Chakechake	62	8	310	29	372	37	23	398	0	0	0	0	0	0	0	0
Mkoani	80	5	187	18	268	24	17	272	0	0	0	0	0	0	0	0
Total	**1,708**	**261**	**9,454**	**1,955**	**10,386**	**2,216**	**1,260**	**10,111**	**2,816**	**565**	**3,894**	**1,014**	**6,488**	**1,580**	**1,269**	**584**

Cont. Table 5.3.4: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District

District	Coconut								Orange							
	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
North 'A'	378	105	1,134	448	1,418	553	230	310	95	12	630	99	725	111	93	602
North 'B'	356	133	1,985	1,225	2,163	1,357	382	1,783	331	42	1,374	136	1,451	178	89	445
Central	517	122	4,073	1,433	4,256	1,555	655	2,000	334	120	3,709	1,027	3,830	1,146	603	4,606
South	32	21	1,348	299	1,381	319	221	590	16	2	829	110	845	112	61	1,480
West	471	145	2,920	1,129	3,046	1,274	539	2,473	345	88	2,167	290	2,355	377	240	2,690
Wete	1,179	426	2,844	860	3,869	1,285	938	2,999	26	5	128	310	128	315	20	219
Micheweni	1,664	598	1,723	509	3,124	1,107	985	2,546	0	0	58	30	58	30	30	4
Chakechake	186	51	767	180	953	231	160	986	0	0	31	1	31	1	.	0
Mkoani	759	198	946	177	1,651	375	293	825	214	24	509	81	723	105	88	892
Total	**5,542**	**1,799**	**17,742**	**6,259**	**21,861**	**8,058**	**4,403**	**14,514**	**1,361**	**292**	**9,434**	**2,083**	**10,146**	**2,375**	**1,224**	**10,938**

Cont. Table 5.3.4: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District

District	Cloves								Others							
	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
North 'A'	0	.	221	130	221	130	17	33	8,915	2,672	6,930	1,527	14,617	4,199	3,880	9,216
North 'B'	153	20	509	305	509	325	76	102	7,406	2,393	6,719	1,903	12,216	4,295	3,811	12,137
Central	30	4	334	285	334	289	33	32	4,742	1,546	12,159	3,422	15,685	4,968	3,164	9,737
South	0	0	0	0	0	0	0	0	1,771	436	7,149	1,494	8,643	1,931	1,720	7,332
West	94	31	565	261	597	292	58	819	7,787	2,183	12,999	2,667	19,468	4,851	3,859	13,750
Wete	641	191	1,358	1,097	1,922	1,289	593	1,491	10,634	4,060	6,893	3,450	16,938	7,510	6,161	21,196
Micheweni	642	279	555	466	1,139	745	537	1,373	11,855	4,961	7,563	2,464	17,754	7,426	7,159	25,458
Chakechake	496	306	922	488	1,418	793	391	2,020	10,208	4,051	5,433	1,977	15,362	6,028	5,604	22,275
Mkoani	1,455	553	785	556	1,999	1,109	771	2,138	11,995	4,783	6,132	2,002	16,895	6,785	6,390	23,006
Total	**3,511**	**1,383**	**5,250**	3,590	**8,139**	4,972	2,477	8,007.32	75,314	27,085	71,977	20,906	137,578	47,991	41,747	144,107

Cont. Table 5.3.4: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District

District	Sugar Cane							
	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
North 'A'	32	6	32	12	63	19	19	158
North 'B'	102	18	25	1	127	19	18	104
Central	274	150	182	30	395	180	168	2,169
South	16	0	49	3	49	3	2	7
West	31	2	63	8	94	9	9	65
Wete	0	0	51	29	51	29	29	23
Micheweni	117	63	0	0	117	63	32	645
Chakechake	85	17	62	12	147	29	29	347
Mkoani	27	2	54	0	80	2	2	129
Total	**683**	**257**	**518**	**96**	**1,124**	**353**	**307**	**3,647**

6.1.1 ACCESS TO EQUIPMENT: Number of Agriculture Households that used Agricultural Equipment/Asset by type and District for 2007/08 agriculture year

District	Equipment/Asset Name						Total number of Agricultural Households
	Sword	Hand Hoe	Hand Sprayer	Grater, Chiper, Oil Press na Oil Mill	Oxplough	Oxplanter	
	Number	Number	Number	Number	Number	Number	
North 'A'	17,893	13,357	347	63	0	63	18,901
North 'B'	10,613	10,893	407	0	76	127	11,452
Central	13,010	11,642	669	61	30	152	13,679
South	6,222	3,915	114	0	16	16	6,580
West	16,893	17,144	754	63	63	126	18,651
Wete	14,196	14,939	154	102	51	51	15,374
Micheweni	16,177	17,082	29	58	58	29	17,520
Chakechake	13,370	13,463	186	62	0	62	13,835
Mkoani	15,458	15,923	54	107	54	80	16,199
Total	**123,833**	**118,358**	**2,712**	**517**	**349**	**707**	**132,193**

Cont. 6.1.1 ACCESS TO EQUIPMENT: Number of Agriculture Households that used Agricultural Equipment/Asset by type and District for 2007/08 agriculture year

District	Equipment/Asset Name						Total number of Agricultural Households
	Ox cart	Trekta	Tractor plough	Tractor Harrow	Castrated bulls	Uncastrated bulls	
	Number	Number	Number	Number	Number	Number	
North 'A'	126	536	599	473	63	63	18,901
North 'B'	611	433	254	280	153	763	11,452
Central	851	91	0	0	152	1,398	13,679
South	81	81	16	16	32	195	6,580
West	911	220	126	126	283	1,162	18,651
Wete	205	102	128	77	51	820	15,374
Micheweni	584	88	88	29	58	409	17,520
Chakechake	93	93	31	31	62	558	13,835
Mkoani	366	214	27	80	250	723	16,199
Total	**3,828**	**1,858**	**1,268**	**1,112**	**1,104**	**6,091**	**132,193**

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Cont. 6.1.1 ACCESS TO EQUIPMENT: Number of Agriculture Households that used Agricultural Equipment/Asset by type and District for 2007/08 agriculture year

District	Equipment/Asset Name					Total number of Agricultural Households
	Cow	Donkey	Thrasher	Power tiller	Rigder	
	Number	Number	Number	Number	Number	
North 'A'	32	0	63	95	0	18,901
North 'B'	1,171	51	76	51	25	11,452
Central	1,398	91	0	0	61	13,679
South	260	0	16	16	0	6,580
West	1,225	63	0	94	0	18,651
Wete	999	154	51	26	26	15,374
Micheweni	730	29	88	58	58	17,520
Chakechake	1,178	62	31	31	0	13,835
Mkoani	857	80	0	80	0	16,199
Total	**7,849**	**530**	**325**	**451**	**170**	**132,193**

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6.1.1 ACCESS TO EQUIPMENT: Number of Agriculture Households that used Agricultural Equipment/Asset by type and District for 2007/08 agriculture year

District	Equipment/Asset Name												Total number of Agricultural Households
	Sword		Hand Hoe		Hand Sprayer		Grater, Chiper, Oil Press na Oil Mill		Oxplough		Oxplanter		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
North 'A'	17,893	53.0	13,357	39.6	347	1.03	63	0.2	0	0.0	63	0.2	18,901
North 'B'	10,613	40.8	10,893	41.9	407	1.57	0	0.0	76	0.3	127	0.5	11,452
Central	13,010	43.9	11,642	39.3	669	2.26	61	0.2	30	0.1	152	0.5	13,679
South	6,222	56.6	3,915	35.6	114	1.03	0	0.0	16	0.1	16	0.1	6,580
West	16,893	43.0	17,144	43.7	754	1.92	63	0.2	63	0.2	126	0.3	18,651
Wete	14,196	44.2	14,939	46.5	154	0.48	102	0.3	51	0.2	51	0.2	15,374
Micheweni	16,177	45.4	17,082	47.9	29	0.08	58	0.2	58	0.2	29	0.1	17,520
Chakechake	13,370	45.6	13,463	45.9	186	0.63	62	0.2	0	0.0	62	0.2	13,835
Mkoani	15,458	45.0	15,923	46.3	54	0.16	107	0.3	54	0.2	80	0.2	16,199
Total	**123,833**	**45.7**	**118,358**	**43.7**	**2,712**	**1.00**	**517**	**0.2**	**349**	**0.1**	**707**	**0.3**	**132,193**

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Cont. 6.1.1 ACCESS TO EQUIPMENT: Number of Agriculture Households that used Agricultural Equipment/Asset by type and District for 2007/08 agriculture year

District	Equipment/Asset Name												Total number of Agricultural Households
	Ox cart		Trekta		Tractor plough		Tractor Harrow		Castrated bulls		Uncastrated bulls		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
North 'A'	126	.4	536	1.59	599	1.77	473	1.40	63	0.19	63	.2	18,901
North 'B'	611	2.4	433	1.67	254	0.98	280	1.08	153	0.59	763	2.9	11,452
Central	851	2.9	91	0.31	0	0.00	0	0.00	152	0.51	1,398	4.7	13,679
South	81	.7	81	0.74	16	0.15	16	0.15	32	0.30	195	1.8	6,580
West	911	2.3	220	0.56	126	0.32	126	0.32	283	0.72	1,162	3.0	18,651
Wete	205	.6	102	0.32	128	0.40	77	0.24	51	0.16	820	2.6	15,374
Micheweni	584	1.6	88	0.25	88	0.25	29	0.08	58	0.16	409	1.1	17,520
Chakechake	93	.3	93	0.32	31	0.11	31	0.11	62	0.21	558	1.9	13,835
Mkoani	366	1.1	214	0.62	27	0.08	80	0.23	250	0.73	723	2.1	16,199
Total	**3,828**	**1.4**	**1,858**	**0.69**	**1,268**	**0.47**	**1,112**	**0.41**	**1,104**	**0.41**	**6,091**	**2.2**	**132,193**

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Cont. 6.1.1 ACCESS TO EQUIPMENT: Number of Agriculture Households that used Agricultural Equipment/Asset by type and District for 2007/08 agriculture year

District	Equipment/Asset Name										Total number of Agricultural Households
	Cow		Donkey		Thrasher		Power tiller		Rigder		
	Number	%	Number	%	Number	%	Number	%	Number	%	
North 'A'	32	0.1	0	0.0	63	0.2	95	0.3	0	0.0	18,901
North 'B'	1,171	4.5	51	0.2	76	0.3	51	0.2	25	0.1	11,452
Central	1,398	4.7	91	0.3	0	0.0	0	0.0	61	0.2	13,679
South	260	2.4	0	0.0	16	0.1	16	0.1	0	0.0	6,580
West	1,225	3.1	63	0.2	0	0.0	94	0.2	0	0.0	18,651
Wete	999	3.1	154	0.5	51	0.2	26	0.1	26	0.1	15,374
Micheweni	730	2.0	29	0.1	88	0.2	58	0.2	58	0.2	17,520
Chakechake	1,178	4.0	62	0.2	31	0.1	31	0.1	0	0.0	13,835
Mkoani	857	2.5	80	0.2	0	0.0	80	0.2	0	0.0	16,199
Total	**7,849**	**2.9**	**530**	**0.2**	**325**	**0.1**	**451**	**0.2**	**170**	**0.1**	**132,193**

6.1.2 ACCESS TO EQUIPMENT: Number of Agricultural Equipment/Asset owned by type and District for 2007/08 agriculture year

District	Equipment/Asset Name											
	Sword		Hand Hoe		Hand Sprayer		Grater, Chiper, Oil Press na Oil Mill		Oxplough		Oxplanter	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	33,424	47.9	24,540	35.1	504	.7	1,386	2.0	0	0	756	1.1
North 'B'	16,237	28.4	23,312	40.8	458	.8	.	.	687	18	2,341	4.1
Central	22,373	37.0	23,163	38.3	730	1.2	730	1.2	30	1	821	1.4
South	11,844	54.2	6,011	27.5	260	1.2	.	.	357	10	32	.1
West	25,402	35.1	31,242	43.2	2,386	3.3	1,382	1.9	63	2	126	.2
Wete	19,295	33.1	30,544	52.3	231	.4	1,230	2.1	102	3	615	1.1
Micheweni	20,762	29.3	35,625	50.2	876	1.2	1,518	2.1	1,168	31	642	.9
Chakechake	18,602	31.5	29,655	50.1	1,550	2.6	1,302	2.2	0	0	930	1.6
Mkoani	22,724	31.2	34,157	46.9	54	.1	1,312	1.8	1,339	36	803	1.1
Total	190,662		238,249		7,048		8,860		3,747		**7,067**	

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Cont. 6.1.2 ACCESS TO EQUIPMENT: Number of Agricultural Equipment/Asset owned by type and District for 2007/08 agriculture year

	Equipment/Asset Name									
	Cow		Donkey		Thrasher		Power tiller		Rigder	
Region	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	32	.0	0	.	756	20.6	2,268	3.2	0	.
North 'B'	4,886	8.6	534	.9	865	23.6	611	1.1	763	1.34
Central	5,380	8.9	790	1.3	0		0	.	1,338	2.21
South	975	4.5	0	.	32	0.9	162	.7	0	.
West	4,176	5.8	63	.1	0	0.0	754	1.0	0	.
Wete	1,871	3.2	743	1.3	615	16.7	51	.1	51	0.09
Micheweni	3,533	5.0	88	.1	1,343	36.6	934	1.3	934	1.32
Chakechake	2,511	4.2	744	1.3	62	1.7	682	1.2	0	.
Mkoani	2,356	3.2	241	.3	0	0.0	910	1.2	0	.
Total	**25,721**	**100.0**	**3,203**	**100.0**	**3,674**	**100.0**	**6,373**		**3,087**	**100.0**

6.1.3 ACCESS TO EQUIPMENT: Number of Agricultural Households that Used Tractors/Draft animals to cultivate Land By Type and District for 2007/08 agriculture year

	Oxen		Bulls		Cows		Donkeys		Tractor		Power Tiller		Total number of Agricultural Households
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
North 'A'	0	.0	0	0.0	0	.0	378	19.4	1,449	74.2	126	6.5	18,901
North 'B'	51	2.7	0	0.0	0	.0	178	9.3	1,680	88.0	0	.0	11,452
Central	0	.0	61	3.4	61	3.4	122	6.8	1,459	81.4	91	5.1	13,679
South	16	100.0	0	0.0	0	.0	0	.0	0	.0	0	.0	6,580
West	157	15.2	126	12.1	0	.0	31	3.0	628	60.6	94	9.1	18,651
Wete	0	.0	0	0.0	0	.0	231	27.3	615	72.7	0	.0	15,374
Micheweni	0	.0	0	0.0	0	.0	29	20.0	117	80.0	0	.0	17,520
Chakechake	0	.0	0	0.0	0	.0	62	9.1	620	90.9	0	.0	13,835
Mkoani	0	.0	0	0.0	0	.0	80	10.3	669	86.2	27	3.4	16,199
Total	**224**	**2.4**	**186**	**2.0**	**61**	**.7**	**1,111**	**12.1**	**7,237**	**79.0**	**338**	**3.7**	**132,193**

6.1.4 ACCESS TO EQUIPMENT: Number of Tractors/Draft animals Owned by Type and District for 2007/08 agriculture year

	Oxen		Bulls		Cows		Donkeys		Tractor		Power Tiller		Total number of Agricultural Households
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
North 'A'	0	0	32	3	0	0	0	0	0	0	63	40	18,901
North 'B'	76	50	305	29	433	31	0	0	0	0	0	0	11,452
Central	61	40	365	35	760	54	0	0	0	0	0	0	13,679
South	16	11	0	0	0	0	0	0	0	0	0	0	6,580
West	0	0	283	27	94	7	0	0	0	0	31	20	18,651
Wete	0	0	0	0	26	2	0	0	0	0	0	0	15,374
Micheweni	0	0	29	3	29	2	0	0	0	0	0	0	17,520
Chakechake	0	0	0	0	62	4	62	100	0	0	62	40	13,835
Mkoani	0	0	27	3	0	0	0	0	0	0	0	0	16,199
Total	**153**	100	**1,040**	100	**1,404**	100	**62**	100	**0**	**0**	**156**	**100**	**132,193**

6.2.1: IRRIGATION: Number of Agriculture Households reporting use of Irrigation during 2007/08 agricultural Year by District

District	Households practicing irrigation		Households not practicing irrigation		Total Number of Households	
	Number	%	Number	%	Number	%
North 'A'	189	1.0	18,712	99.0	18,901	100
North 'B'	560	4.9	10,893	95.1	11,452	100
Central	1,338	9.8	12,342	90.2	13,679	100
South	341	5.2	6,239	94.8	6,580	100
West	2,072	11.1	16,579	88.9	18,651	100
Wete	359	2.3	15,016	97.7	15,374	100
Micheweni	409	2.3	17,112	97.7	17,520	100
Chakechake	0	0.0	13,835	100.0	13,835	100
Mkoani	214	1.3	15,985	98.7	16,199	100
Total	**5,482**	4.1	126,711	95.9	**132,193**	100

Table 6.2.2: IRRIGATION: Number of Agriculture Households using irrigation by Source of Irrigation Water by District during the 2007/08 agricultural Year

District	Main Source of Irrigation Water							
	River	Borehole	Lake	Canal	Dam	Tap Water	Well	Total
North 'A'	0	0	0	109	0	63	32	203
North 'B'	178	0	0	255	0	102	25	561
Central	122	0	0	472	456	91	243	1,384
South	32	0	0	207	32	49	97	418
West	973	0	0	548	157	188	157	2,024
Wete	77	0	0	77	0	26	51	231
Micheweni	204	0	0	135	0	29	0	369
Mkoani	187	0	0	104	0	0	0	291
Total	**1,774**	**0**	**0**	**1,907**	**645**	**548**	**606**	5,482
%	32	0	0	35	12	10	11	100

Table 6.2.3 IRRIGATION: Number of Agriculture Households by method of used to obtain water and District during 2007/08 agriculture year

District	Main method of Obtaining Water					
	Gravity	Hand bucket	Hand pump	motor pump	Other	Total
North 'A'	0	63	0	32	105	200
North 'B'	0	433	0	51	76	560
Central	61	760	0	486	76	1,383
South	0	179	0	114	126	418
West	879	754	31	251	108	2,023
Wete	26	102	0	0	77	205
Micheweni	146	146	0	0	77	369
Mkoani	54	107	27	0	136	323
Total	**1,165**	**2,544**	**58**	**934**	**781**	5,482
%	21	46	1	17	14	100

6.3.1: EROSION CONTROL: Number of Households with Soil Erosion Problem on their Land By District

District	Have any erosion problem on their farming land		Do not have any erosion problem on their farming land		Total	
	Number	%	Number	%	Number	%
North 'A'	473	2.5	18,429	97.5	18,901	100.00
North 'B'	458	4.0	10,994	96.0	11,452	100.00
Central	182	1.3	13,497	98.7	13,679	100.00
South	32	0.5	6,547	99.5	6,580	100.00
West	251	1.3	18,400	98.7	18,651	100.00
Wete	1,742	11.3	13,632	88.7	15,374	100.00
Micheweni	496	2.8	17,024	97.2	17,520	100.00
Chakechake	341	2.5	13,494	97.5	13,835	100.00
Mkoani	348	2.1	15,851	97.9	16,199	100.00
Total	**4,325**	**3.3**	**127,869**	**96.7**	**132,193**	**100.00**

6.3.2 EROSION CONTROL: Number of Households with Erosion Control/Water Harvesting Facilities on their Land By District

	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	
District	Number	%	Number	%	Number	%
North 'A'	95	0.5	18,807	99.5	18,901	100
North 'B'	127	1.1	11,325	98.9	11,452	100
Central	91	0.7	13,588	99.3	13,679	100
South	0	0.0	6,580	100.0	6,580	100
West	314	1.7	18,337	98.3	18,651	100
Wete	282	1.8	15,093	98.2	15,374	100
Micheweni	146	0.8	17,374	99.2	17,520	100
Chakechake	62	0.4	13,773	99.6	13,835	100
Mkoani	54	0.3	16,146	99.7	16,199	100
Total	**1,170**	**0.9**	**131,023**	**99.1**	**132,193**	**100**

6.3.3 EROSION CONTROL: Number of Erosion Control/Water Harvesting Structures by Type and District as of 2007/08agriculture year

District	Terraces	Erosion Control Bunds	Gabions / Sandbag	Vetiver Grass	Tree Belts	Water Harvesting Bunds	Drainage Ditches	Others
North 'A'	0	347	0	0	0	0	0	0
North 'B'	0	433	0	0	153	0	0	0
Central	274	152	0	0	0	0	0	0
South	0	0	0	0	0	0	0	0
West	31	2,449	0	471	659	31	63	0
Wete	128	564	0	0	128	0	77	0
Micheweni	0	350	0	0	88	0	88	0
Chakechake	0	93	0	0	0	0	31	31
Mkoani	0	295	0	0	0	27	0	0
Total	**433**	**4,682**	**0**	**471**	**1,028**	**58**	**258**	**31**

7.1 AGRICULTURE CREDIT: Number of Agriculture Households receiving Credit by District During the 2007/08 Agriculture Year

	Households Receiving Credit					
	Borrowed money for agriculture		Did not borrow money for agriculture		Total	
District	Number	%	Number	%	Number	%
North 'A'	693	3.7	18,208	96.3	18,901	100
North 'B'	611	5.3	10,842	94.7	11,452	100
Central	243	1.8	13,436	98.2	13,679	100
South	162	2.5	6,417	97.5	6,580	100
West	534	2.9	18,117	97.1	18,651	100
Wete	205	1.3	15,170	98.7	15,374	100
Micheweni	58	0.3	17,462	99.7	17,520	100
Chakechake	0	0.0	13,835	100.0	13,835	100
Mkoani	161	1.0	16,039	99.0	16,199	100
Total	**2,667**	**2.0**	**129,526**	**98.0**	**132,193**	**100**

7.2 AGRICULTURE CREDIT: Number of Credits by sex of the household Member receiving credit from source B and District During the 2007/08 Agriculture Year

District	Male		Female		Total	
	Number	%	Number	%	Number	%
North 'A'	347	50	347	50	693	100
North 'B'	484	79	127	21	611	100
Central	182	75	61	25	243	100
South	81	50	81	50	162	100
West	283	53	251	47	534	100
Wete	128	63	77	38	205	100
Micheweni	0	0	58	100	58	100
Chakechake	**0**	**0**	**0**	**0**	**0**	0
Mkoani	107	67	54	33	161	100
Total	**1,612**	60	**1,056**	40	**2,667**	100

7.3 AGRICULTURE CREDIT: Number of Households receiving Credits by Main Source of credit and District During the 2007/08 Agriculture Year

Region	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Trader/trade store		Private individual		NGO/Development Project		Others		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	158	22.7	126	18.2	63	9.1	95	13.6	32	4.5	32	4.5	189	27.3	0.0	0.0	693	100
North 'B'	204	33.3	76	12.5	25	4.2	102	16.7	25	4.2	178	29.2	0	0.0	0.0	0.0	611	100
Central	30	12.5	0	0.0	0	0.0	61	25.0	0	0.0	0	0.0	152	62.5	0.0	0.0	243	100
South	0	0.0	81	50.0	16	10.0	32	20.0	0	0.0	16	10.0	16	10.0	0.0	0.0	162	100
West	0	0.0	63	11.8	0	0.0	63	11.8	0	0.0	0	0.0	408	76.5	0.0	0.0	534	100
Wete	26	12.5	26	12.5	0	0.0	102	50.0	26	12.5	0	0.0	26	12.5	0.0	0.0	205	100
Micheweni	29	50.0	29	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.0	58	100
Chakechake	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	0
Mkoani	0	0.0	107	80.0	0	0.0	0	0.0	0	0.0	0	0.0	27	20.0	27.0	20.2	134	100
Total	**446**	**16.9**	**508**	**19.3**	**105**	**4.0**	**455**	**17.2**	**83**	**3.1**	**226**	**8.6**	**818**	**31.0**	**27.0**	**1.0**	**2,641**	**100**

7.4 AGRICULTURE CREDIT: Number of Households Reporting the Main reasons for Not Using Credit by District During the 2007/08 Agriculture Year

District	Not needed		Not available		Did not want to go into debt		Interest rate/cost too high		Did not know how to get credit		Difficult bureaucratic procedure		Credit granted too late		Other (specify)		Dont know about credit		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
North 'A'	977	5.4	5,040	27.7	2,142	11.8	914	5.0	3,560	19.6	2,394	13.1	378	2.1	0	0.0	2,804	15.4	18,208	100
North 'B'	560	5.2	3,487	32.2	865	8.0	254	2.3	3,105	28.6	509	4.7	153	1.4	102	0.9	1,807	16.7	10,842	100
Central	1,307	9.7	2,979	22.2	1,581	11.8	638	4.8	3,070	22.9	638	4.8	152	1.1	61	0.5	3,009	22.4	13,436	100
South	764	11.9	1,056	16.5	1,202	18.7	114	1.8	991	15.4	747	11.6	146	2.3	32	0.5	1,365	21.3	6,417	100
West	1,319	7.3	3,894	21.5	2,638	14.6	785	4.3	4,804	26.5	1,413	7.8	188	1.0	63	0.3	3,014	16.6	18,117	100
Wete	615	4.1	2,229	14.7	2,204	14.5	564	3.7	3,895	25.7	1,102	7.3	0	0.0	77	0.5	4,484	29.6	15,170	100
Micheweni	701	4.0	6,687	38.3	788	4.5	234	1.3	3,504	20.1	1,489	8.5	29	0.2	58	0.3	3,971	22.7	17,462	100
Chakechake	256	1.8	3,007	21.7	1,248	9.0	488	3.5	1,976	14.3	899	6.5	62	0.4	31	0.2	5,867	42.4	13,835	100
Mkoani	303	1.9	3,177	19.8	1,723	10.7	1,000	6.2	2,874	17.9	1,937	12.1	205	1.3	0	0.0	4,820	30.1	16,039	100
Total	**6,801**	**5.3**	**31,556**	**24.4**	**14,390**	**11.1**	**4,990**	**3.9**	**27,779**	**21.4**	**11,129**	**8.6**	**1,314**	**1.0**	**424**	**0.3**	**31,142**	**24.0**	**129,526**	**100**

7.5 AGRICULTURE CREDIT: Number of Households receiving Credits by Main Source of credit B and District During the 2007/08 Agriculture Year

Region	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Trader/trade store		Private individual		NGO/Development Project		Others		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%		%	Number	%
North 'A'	32	14.3	95	42.9	0	0.0	32	14.3	63	28.6	0	0.0	0	0.0	0.0	0.00	221	100
North 'B'	51	15.4	25	7.7	0	0.0	25	7.7	127	38.5	102	30.8	0	0.0	0.0	0.00	331	100
Central	61	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00	61	100
South	0	0.0	16	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00	16	100
West	0	0.0	31	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00	31	100
Wete	26	100	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00	26	100
Micheweni	29	50.0	29	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00	58	100
Chakechake	0	0.0	0	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00	0	0
Mkoani	54	66.7	0	0.0	27	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.00	80	100
Total	**252**	**30.5**	**196**	**23.8**	**27**	**3.3**	**57**	**6.9**	**190**	**23.1**	**102**	**12.4**	**0**	**0.0**	**0.0**	**0.00**	**824**	**100**

7.6 AGRICULTURE CREDIT: Number of Households receiving Credits by Main Source of credit C and District During the 2007/08 Agriculture Year

Region	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Trader/trade store		Private individual		NGO/Development Project		Others		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%			Number	%
North 'A'	63	28.6	158	71.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.0	221	100
North 'B'	102	44.4	25	11.1	0	0.0	0	0.0	25	11.1	76	33.3	0	0.0	0.0	0.0	229	100
Central	0	0.0	0	0.0	61	66.7	0	0.0	0	0.0	30	33.3	0	0.0	0.0	0.0	91	100
South	16	50.0	16	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.0	32	100
West	0	0.0	31	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.0	31	100
Wete	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	0
Micheweni	0	0.0	58	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.0	58	100
Mkoani	27	50.0	27	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0.0	0.0	54	100
Total	**208**	**29.0**	**316**	**44.1**	**61**	**8.5**	**0**	**0.0**	**25**	**3.5**	**107**	**14.9**	**0**	**0.0**	**0.0**	**0.0**	**717**	**100**

7.7: Provision of credit A by sex and District During the 2007/08 Agriculture Year

District	Male		Female		Total	
	Number	%	Number	%	Number	%
North 'A'	347	50	347	50	693	100
North 'B'	484	79	127	21	611	100
Central	182	75	61	25	243	100
South	81	50	81	50	162	100
West	283	53	251	47	534	100
Wete	128	63	77	38	205	100
Micheweni	0	0	58	100	58	100
Chakechake	0	0	0	0	0	0
Mkoani	107	67	54	33	161	100
Total	1,612	60	1,056	40	2,667	100

7.8 : Provision of credit B by sex and District During the 2007/08 Agriculture Year

District	Male		Female		Total	
	Number	%	Number	%	Number	%
North 'A'	63	29	158	71	221	100
North 'B'	254	77	76	23	331	100
Central	0	0	61	100	61	100
South	0	0	16	100	16	100
West	0	0	0	0	0	0
Wete	26	50	26	50	51	100
Micheweni	29	50	29	50	58	100
Chakechake	0	0	0	0	0	0
Mkoani	80	100	0	0	80	100
Total	**453**	**55**	**366**	**45**	**818**	**100**

7.9 : Provision of credit C by sex and District During the 2007/08 Agriculture Year

District	Male		Female		Total	
	Number	%	Number	%	Number	%
North 'A'	189	55	158	45	347	100
North 'B'	204	80	51	20	254	100
Central	61	100	0	0	61	100
South	0	0	16	100	16	100
West	0	0	62	100	62	100
Wete	26	100	0	0	26	100
Micheweni	58	50	58	50	117	100
Chakechake	0	0	0	0	0	0
Mkoani	54	50	54	50	107	100
Total	**591**	**60**	**399**	**40**	**990**	**100**

8.1 : CROP EXTENSION: Number of Agriculture Households that received Crop Advice During the 2007/08 Agriculture Year

District	Households that received Crop Advices		Households that did NOT receive Crop advices		Total Crop Growing Households
	Number	%	Number	%	
North 'A'	6,269	33	12,506	67	18,775
North 'B'	6,413	57	4,886	43	11,300
Central	6,262	46	7,326	54	13,588
South	2,421	37	4,127	63	6,547
West	9,891	56	7,630	44	17,521
Wete	2,947	19	12,351	81	15,298
Micheweni	2,803	16	14,571	84	17,374
Chakechake	2,193	16	11,611	84	13,804
Mkoani	4,641	29	11,505	71	16,146
Total	**43,840**	**34**	**86,513**	**66**	**130,353**

8.2 CROP EXTENSION: Number of Households receiving advice (overall) By Source of Extension and District during the 2007/08 Agriculture year

District	Source of Crop Extension						
	Government	NGO/Dev project	Cooperative	Large scale farmer	Radio/Television/NewsPaper	Neighbour	Other (Specify)
North 'A'	3,686	599	32	1,103	914	1,764	32
North 'B'	3,843	382	738	1,272	2,978	2,520	76
Central	2,949	1,094	942	1,854	1,489	1,793	0
South	1,251	244	65	601	585	1,089	0
West	3,266	1,601	314	1,978	3,642	3,705	94
Wete	1,819	487	0	128	461	769	51
Micheweni	1,548	117	380	350	380	1,110	29
Chakechake	1,403	240	31	62	333	574	62
Mkoani	3,436	277	27	196	1,151	473	0
Total	**23,200**	**5,040**	**2,528**	**7,546**	**11,933**	**13,796**	**345**

8.3 : CROP EXTENSION: Number of Agriculture Households Participated in Out Grower Agreement During the 2007/08 Agriculture Year

District	Number of Households Participated in Out Grower Agreement		Number of Households NOT Participated in Out GrowerAgreement		Total Number of Households	
	Number	%	Number	%	Number	%
North 'A'	158	0.8	18,744	99.2	18,901	100
North 'B'	127	1.1	11,325	98.9	11,452	100
Central	30	0.2	13,649	99.8	13,679	100
South	49	0.7	6,531	99.3	6,580	100
West	94	0.5	18,557	99.5	18,651	100
Wete	128	0.8	15,246	99.2	15,374	100
Micheweni	29	0.2	17,491	99.8	17,520	100
Chakechake	62	0.4	13,773	99.6	13,835	100
Mkoani	268	1.7	15,931	98.3	16,199	100
Total	**945**	**0.7**	**131,248**	**99.3**	**132,193**	**100**

8.4 : CROP EXTENSION: Number of Agriculture Households Participated in Contract Production Agreement During the 2007/08

District	Number of Hholds Participated in Production Agreement		Number of Hholds NOT Participated in Production Agreement		Total Number of Households	
	Number	%	Number	%	Number	%
North 'A'	252	1.3	18,649	98.7	18,901	100
North 'B'	51	0.4	11,402	99.6	11,452	100
Central	30	0.2	13,649	99.8	13,679	100
South	211	3.2	6,369	96.8	6,580	100
West	94	0.5	18,557	99.5	18,651	100
Wete	51	0.3	15,323	99.7	15,374	100
Micheweni	58	0.3	17,462	99.7	17,520	100
Chakechake	0	0.0	13,835	100.0	13,835	100
Mkoani	268	1.7	15,931	98.3	16,199	100
Total	**1,016**	**0.8**	**131,177**	**99.2**	**132,193**	**100**

8.5 CROP Extension: Number of households Receiving Extension Advice on Spacing by Disrtrict during the 2007/08 agriculture year

`District	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	%	
North 'A'	2,111	65.7	221	6.9	0	0.0	315	9.8	189	5.9	378	11.8	0	0.0	3,213
North 'B'	2,367	45.4	127	2.4	382	7.3	713	13.7	814	15.6	814	15.6	0	0.0	5,217
Central	1,885	43.7	426	9.9	334	7.7	638	14.8	91	2.1	942	21.8	0	0.0	4,317
South	780	52.7	162	11.0	32	2.2	114	7.7	179	12.1	211	14.3	0	0.0	1,478
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
Wete	1,076	70.0	231	15.0	0	0.0	26	1.7	0	0.0	205	13.3	0	0.0	1,537
Micheweni	672	43.4	117	7.5	292	18.9	58	3.8	88	5.7	321	20.8	0	0.0	1,548
Chakechake	798	68.7	155	13.3	0	0.0	31	2.7	0	0.0	147	12.7	31	2.7	1,163
Mkoani	2,338	75.3	27	0.9	0	0.0	62	2.0	625	20.1	54	1.7	0	0.0	3,106
Total	**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**

8.6 CROP Extension: Number of households Receiving Extension Advice on Use of Agrochemicals by District during the 2007/08 agriculture year

District	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	%	
North 'A'	1,575	65.8	158	6.6	0	0.0	158	6.6	221	9.2	284	11.8	0	0.0	2,394
North 'B'	2,087	52.2	102	2.5	382	9.6	356	8.9	662	16.6	407	10.2	0	0.0	3,996
Central	1,338	62.9	304	14.3	30	1.4	243	11.4	91	4.3	122	5.7	0	0.0	2,128
South	325	45.5	49	6.8	0	0.0	65	9.1	16	2.3	260	36.4	0	0.0	715
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
Wete	820	78.0	128	12.2	0	0.0	0	0.0	0	0.0	102	9.8	0	0.0	1,051
Micheweni	409	70.0	29	5.0	0	0.0	0	0.0	88	15.0	58	10.0	0	0.0	584
Chakechake	302	76.5	31	7.8	0	0.0	0	0.0	0	0.0	62	15.7	0	0.0	395
Mkoani	1,508	66.8	27	1.2	0	0.0	71	3.2	598	26.5	54	2.4	0	0.0	2,258
Total	**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**

8.7 CROP Extension: Number of households Receiving ExtensionAdvice on Erosion Control by District during the 2007/08 agriculture year

District	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	%	
North 'A'	536	68.0	95	12.0	0	0.0	95	12.0	63	8.0	0	0.0	0	0.0	788
North 'B'	967	42.7	51	2.2	280	12.4	254	11.2	433	19.1	280	12.4	0	0.0	2,265
Central	456	46.9	152	15.6	30	3.1	122	12.5	122	12.5	91	9.4	0	0.0	973
South	260	66.7	32	8.3	0	0.0	32	8.3	49	12.5	16	4.2	0	0.0	390
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
Wete	333	76.5	51	11.8	0	0.0	26	5.9	0	0.0	26	5.9	0	0.0	436
Micheweni	204	50.0	29	7.1	0	0.0	58	14.3	29	7.1	88	21.4	0	0.0	409
Chakechake	202	68.4	0	0.0	31	10.5	31	10.5	0	0.0	31	10.5	0	0.0	295
Mkoani	455	52.0	27	3.1	0	0.0	107	12.2	250	28.6	36	4.1	0	0.0	875
Total	**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**

8.8 CROP Extension: Number of households Receiving Extension Advice on Organic Fertlizer use by District during the 2007/08 agriculture year

District	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	%	
North 'A'	1,512	49.0	189	6.1	32	1.0	347	11.2	284	9.2	725	23.5	0	0.0	3,087
North 'B'	1,883	40.7	51	1.1	331	7.1	560	12.1	713	15.4	1,094	23.6	0	0.0	4,632
Central	1,186	34.5	486	14.2	30	0.9	1,003	29.2	243	7.1	486	14.2	0	0.0	3,435
South	715	44.9	97	6.1	0	0.0	227	14.3	211	13.3	341	21.4	0	0.0	1,592
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
Wete	871	54.0	231	14.3	0	0.0	51	3.2	154	9.5	282	17.5	26	1.6	1,614
Micheweni	730	35.7	29	1.4	117	5.7	234	11.4	175	8.6	730	35.7	29	1.4	2,044
Chakechake	845	62.6	54	4.0	0	0.0	0	0.0	186	13.8	233	17.2	31	2.3	1,349
Mkoani	1,937	65.4	27	0.9	0	0.0	62	2.1	830	28.0	107	3.6	0	0.0	2,963
Total	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**

8.9 CROP Extension: Number of households Receiving Extension Advice on use of Inorganic Fertilizer by District during the 2007/08 Agriculture year

District	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	%	
North 'A'	756	61.5	32	2.6	0	0.0	252	20.5	0	0.0	189	15.4	0	0.0	1,229
North 'B'	2,011	52.0	76	2.0	254	6.6	305	7.9	891	23.0	331	8.6	0	0.0	3,868
Central	1,489	70.0	122	5.7	61	2.9	152	7.1	243	11.4	61	2.9	0	0.0	2,128
South	260	80.0	32	10.0	0	0.0	0	0.0	16	5.0	16	5.0	0	0.0	325
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
Wete	871	56.7	154	10.0	0	0.0	26	1.7	256	16.7	205	13.3	26	1.7	1,537
Micheweni	496	73.9	29	4.3	29	4.3	0	0.0	58	8.7	58	8.7	0	0.0	672
Chakechake	845	66.9	31	2.5	0	0.0	0	0.0	155	12.3	233	18.4	0	0.0	1,263
Mkoani	1,856	65.4	36	1.3	27	0.9	134	4.7	732	25.8	54	1.9	0	0.0	2,838
Total	**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**

8.10 CROP Extension: Number of households Receiving Extension Advice on Use of Improved Seeds by District during the 2007/08 Agriculture year

District	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	%	
North 'A'	1,953	53.0	284	7.7	0	0.0	536	14.5	567	15.4	347	9.4	0	0.0	3,686
North 'B'	2,341	51.7	76	1.7	254	5.6	509	11.2	942	20.8	407	9.0	0	0.0	4,530
Central	1,793	45.0	395	9.9	395	9.9	486	12.2	334	8.4	578	14.5	0	0.0	3,982
South	504	54.4	65	7.0	0	0.0	32	3.5	211	22.8	114	12.3	0	0.0	926
West	1,821	29.3	754	12.1	126	2.0	408	6.6	1,947	31.3	1,130	18.2	31	0.5	6,217
Wete	948	61.7	205	13.3	0	0.0	26	1.7	256	16.7	102	6.7	0	0.0	1,537
Micheweni	380	48.1	58	7.4	58	7.4	0	0.0	117	14.8	175	22.2	0	0.0	788
Chakechake	791	68.0	31	2.7	0	0.0	31	2.7	248	21.3	31	2.7	31	2.7	1,163
Mkoani	1,776	69.1	27	1.0	0	0.0	134	5.2	571	22.2	62	2.4	0	0.0	2,570
Total	**12,307**	**48.5**	**1,895**	**7.5**	**834**	**3.3**	**2,162**	**8.5**	**5,193**	**20.4**	**2,947**	**11.6**	**62**	**0.2**	**25,400**

8.11 CROP Extension: Number of households Receiving Extension Advice on Mechanization and Labor Saving Technologies by District during the 2007/08 Agriculture year

District	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	%	
North 'A'	441	70.0	95	15.0	0	0.0	63	10.0	32	5.0	0	0.0	0	0.0	630
North 'B'	1,858	54.9	51	1.5	254	7.5	305	9.0	713	21.1	204	6.0	0	0.0	3,385
Central	1,125	75.5	122	8.2	61	4.1	61	4.1	0	0.0	122	8.2	0	0.0	1,489
South	65	33.3	32	16.7	0	0.0	32	16.7	49	25.0	16	8.3	0	0.0	195
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
Wete	384	60.0	102	16.0	0	0.0	0	0.0	102	16.0	51	8.0	0	0.0	641
Micheweni	204	53.8	0	0.0	29	7.7	29	7.7	58	15.4	58	15.4	0	0.0	380
Chakechake	628	77.1	31	3.8	0	0.0	0	0.0	124	15.2	0	0.0	31	3.8	814
Mkoani	1,437	86.1	0	0.0	0	0.0	98	5.9	134	8.0	0	0.0	0	0.0	1,669
Total	**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**

8.12 CROP Extension: Number of households Receiving Extension Advice on Irrigation Technologies by District during the 2007/08 Agriculture year

District	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	%	
North 'A'	315	66.7	0	0.0	0	0.0	95	20.0	32	6.7	32	6.7	0	0.0	473
North 'B'	1,120	39.3	102	3.6	229	8.0	229	8.0	942	33.0	229	8.0	0	0.0	2,850
Central	1,094	70.6	61	3.9	91	5.9	61	3.9	182	11.8	61	3.9	0	0.0	1,550
South	130	24.2	16	3.0	16	3.0	81	15.2	65	12.1	227	42.4	0	0.0	536
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
Wete	307	66.7	51	11.1	0	0.0	0	0.0	77	16.7	26	5.6	0	0.0	461
Micheweni	234	61.5	58	15.4	0	0.0	29	7.7	0	0.0	58	15.4	0	0.0	380
Chakechake	209	77.1	0	0.0	0	0.0	0	0.0	62	22.9	0	0.0	0	0.0	271
Mkoani	919	75.7	116	9.6	0	0.0	71	5.9	80	6.6	27	2.2	0	0.0	1,214
Total	**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**

8.13 CROP Extension: Number of households Receiving Extension Advice on Crop Storage by District during the 2007/08 Agriculture year

District	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	%	
North 'A'	410	40.6	63	6.3	0	0.0	63	6.3	63	6.3	410	40.6	0	0.0	1,008
North 'B'	713	29.2	127	5.2	178	7.3	204	8.3	993	40.6	229	9.4	0	0.0	2,443
Central	578	34.5	152	9.1	152	9.1	122	7.3	365	21.8	304	18.2	0	0.0	1,672
South	162	27.8	16	2.8	16	2.8	81	13.9	146	25.0	162	27.8	0	0.0	585
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
Wete	231	47.4	77	15.8	0	0.0	0	0.0	77	15.8	102	21.1	0	0.0	487
Micheweni	88	75.0	0	0.0	0	0.0	0	0.0	0	0.0	29	25.0	0	0.0	117
Chakechake	178	74.2	31	12.9	0	0.0	0	0.0	0	0.0	31	12.9	0	0.0	240
Mkoani	589	64.7	0	0.0	0	0.0	71	7.8	196	21.6	54	5.9	0	0.0	910
Total	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**

8.14 CROP Extension: Number of households Receiving Extension Advice on Vermin Control by District during the 2007/08 Agriculture year

District	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	%	
North 'A'	284	27.3	63	6.1	0	0.0	95	9.1	32	3.0	536	51.5	32	3.0	1,040
North 'B'	1,069	42.9	51	2.0	127	5.1	127	5.1	636	25.5	484	19.4	0	0.0	2,494
Central	517	21.0	274	11.1	395	16.0	334	13.6	517	21.0	426	17.3	0	0.0	2,462
South	195	15.0	81	6.3	0	0.0	195	15.0	49	3.8	780	60.0	0	0.0	1,300
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
Wete	205	53.3	51	13.3	0	0.0	0	0.0	26	6.7	102	26.7	0	0.0	384
Micheweni	117	57.1	0	0.0	0	0.0	0	0.0	58	28.6	29	14.3	0	0.0	204
Chakechake	93	54.5	31	18.2	0	0.0	0	0.0	23	13.6	23	13.6	0	0.0	171
Mkoani	536	58.3	0	0.0	0	0.0	98	10.7	170	18.4	116	12.6	0	0.0	919
Total	**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**

Table 9.1 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,292	6.8	914	4.8	1,449	7.7	1,544	8.2
North 'B'	2,494	21.8	891	7.8	1,069	9.3	585	5.1
Central	1,641	12.0	1,064	7.8	1,307	9.6	426	3.1
South	81	1.2	130	2.0	910	13.8	894	13.6
West	5,150	27.6	2,041	10.9	1,570	8.4	691	3.7
Wete	2,409	15.7	692	4.5	4,151	27.0	2,255	14.7
Micheweni	2,686	15.3	993	5.7	3,212	18.3	3,884	22.2
Chakechake	806	5.8	403	2.9	3,953	28.6	1,294	9.4
Mkoani	2,945	18.2	910	5.6	3,463	21.4	1,392	8.6
Total	19,504	14.8	8,037	6.1	21,084	15.9	12,964	9.8

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Table 9.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
Region	Number	%	Number	%	Number	%	Number	%
North 'A'	315	1.7	378	2.0	725	3.8	725	3.8
North 'B'	763	6.7	178	1.6	153	1.3	534	4.7
Central	122	0.9	152	1.1	91	0.7	365	2.7
South	179	2.7	81	1.2	32	0.5	195	3.0
West	848	4.5	188	1.0	188	1.0	754	4.0
Wete	794	5.2	51	0.3	128	0.8	717	4.7
Micheweni	613	3.5	29	0.2	263	1.5	438	2.5
Chakechake	279	2.0	31	0.2	217	1.6	1,209	8.7
Mkoani	616	3.8	54	0.3	268	1.7	821	5.1
Total	4,529	3.4	1,143	0.9	2,065	1.6	5,758	4.4

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Cont. Table 9.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Extension Services		Access to Forest Resources		Hunting and Gathering		Access to Potable Water	
Region	Number	%	Number	%	Number	%	Number	%
North 'A'	1,040	5.5	0	0.0	0	0.0	221	1.2
North 'B'	585	5.1	0	0.0	0	0.0	51	0.4
Central	517	3.8	0	0.0	0	0.0	243	1.8
South	877	13.3	0	0.0	0	0.0	49	0.7
West	565	3.0	0	0.0	63	0.3	126	0.7
Wete	1,179	7.7	0	0.0	0	0.0	51	0.3
Micheweni	788	4.5	0	0.0	0	0.0	0	0.0
Chakechake	1,697	12.3	0	0.0	0	0.0	93	0.7
Mkoani	1,125	6.9	54	0.3	0	0.0	161	1.0
Total	**8,373**	**6.3**	**54**	**0.0**	**63**	**0.0**	**994**	**0.8**

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Cont. Table 9.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Credit		Access to Off Farm Income		Threshing		Harvesting	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,512	8	158	0.8	378	2.0	0	0.0
North 'B'	687	6.0	178	1.6	0	0.0	0	0.0
Central	365	2.7	122	0.9	30	0.2	0	0.0
South	276	4.2	0	0.0	0	0.0	0	0.0
West	659	3.5	63	0.3	0	0.0	0	0.0
Wete	102	0.7	154	1.0	26	0.2	0	0.0
Micheweni	876	5.0	58	0.3	0	0.0	0	0.0
Chakechake	186	1.3	93	0.7	31	0.2	0	0.0
Mkoani	1,062	6.6	161	1.0	80	0.5	0	0.0
Total	**5,726**	**4.3**	**986**	**0.7**	**545**	**0.4**	**0**	**0.0**

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Cont. Table 9.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
Region	Number	%	Number	%	Number	%	Number	%
North 'A'	32	0	0	0.0	0	0.0	0	0.0
North 'B'	0	0.0	0	0.0	0	0.0	25	0.2
Central	0	0.0	0	0.0	0	0.0	365	2.7
South	16	0.2	0	0.0	32	0.5	0	0.0
West	31	0.2	31	0.2	0	0.0	31	0.2
Wete	26	0.2	0	0.0	26	0.2	0	0.0
Micheweni	0	0.0	0	0.0	0	0.0	0	0.0
Chakechake	0	0.0	0	0.0	0	0.0	0	0.0
Mkoani	27	0.2	54	0.3	134	0.8	27	0.2
Total	**132**	**0.1**	**85**	**0.1**	**192**	**0.1**	**448**	**0.3**

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Cont. Table 9.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by Region, 2007/08 Agricultural Year

	Constraint							
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	2,426	13	2,394	12.7	1,134	6.0	32	0.2
North 'B'	484	4	1,145	10.0	1,145	10.0	0	0.0
Central	1,003	7	3,465	25.3	1,368	10.0	0	0.0
South	1,543	23	552	8.4	406	6.2	0	0.0
West	314	2	3,799	20.4	471	2.5	0	0.0
Wete	359	2	436	2.8	897	5.8	0	0.0
Micheweni	292	2	380	2.2	1,285	7.3	0	0.0
Chakechake	62	0	279	2.0	2,271	16.4	31	0.2
Mkoani	161	1	714	4.4	1,098	6.8	0	0.0
Total	**6,643**	**5**	**13,165**	**10.0**	**10,075**	**7.6**	**63**	**0.0**

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Cont. Table 9.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by District, 2007/08 Agricultural Year

	Constraint					
	Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
District	Number	%	Number	%	Number	%
North 'A'	788	4.17	1,449	7.67	18,901	100
North 'B'	153	1.33	331	2.89	11,452	100
Central	304	2.22	730	5.33	13,679	100
South	309	4.69	16	0.25	6,580	100
West	502	2.69	596	3.19	18,652	100
Wete	897	5.83	26	0.17	15,374	100
Micheweni	1,635	9.33	29	0.17	17,520	100
Chakechake	837	6.05	62	0.45	13,835	100
Mkoani	714	4.41	161	0.99	16,199	100
Total	6,168	4.67	3,400	2.57	**132,193**	100

Table 9.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	662	3.5	504	2.7	1,071	5.7	1,323	7.0
North 'B'	763	6.7	1,298	11.3	916	8.0	891	7.8
Central	365	2.7	942	6.9	1,094	8.0	760	5.6
South	81	1.2	114	1.7	406	6.2	227	3.5
West	1,068	5.7	2,481	13.3	1,790	9.6	879	4.7
Wete	205	1.3	692	4.5	1,973	12.8	3,101	20.2
Micheweni	263	1.5	1,256	7.2	1,635	9.3	3,183	18.2
Chakechake	279	2.0	31	.2	2,201	15.9	2,775	20.1
Mkoani	571	3.5	1,491	9.2	1,883	11.6	2,365	14.6
Total	**4,257**	**3.2**	**8,808**	**6.7**	**12,970**	**9.8**	**15,504**	**11.7**

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Cont. Table 9.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,134	6.00	977	5.17	693	3.67	630	3.33
North 'B'	636	5.56	280	2.44	382	3.33	1,120	9.78
Central	669	4.89	91	0.67	152	1.11	669	4.89
South	520	7.90	309	4.69	227	3.46	162	2.47
West	1,382	7.41	188	1.01	440	2.36	1,696	9.09
Wete	1,922	12.50	333	2.17	717	4.67	1,512	9.83
Micheweni	2,511	14.36	496	2.84	584	3.34	1,694	9.68
Chakechake	1,790	12.94	124	0.90	682	4.93	2,201	15.91
Mkoani	1,660	10.25	205	1.27	1,071	6.61	1,026	6.34
Total	**12,224**	**9.25**	**3,004**	**2.27**	**4,948**	**3.74**	**10,710**	**8.10**

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Cont. Table 9.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Extension Services		Access to Forest Resources		Access to Potable Water		Access to Credit	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,449	7.7	32	0.17	315	1.67	1,229	6.50
North 'B'	738	6.4	0	0.00	51	0.44	662	5.78
Central	1,277	9.3	0	0.00	243	1.78	608	4.44
South	585	8.9	32	0.49	97	1.48	536	8.15
West	1,382	7.4	31	0.17	377	2.02	1,539	8.25
Wete	1,486	9.7	0	0.00	128	0.83	384	2.50
Micheweni	2,015	11.5	0	0.00	29	0.17	1,110	6.34
Chakechake	1,232	8.9	0	0.00	124	0.90	488	3.53
Mkoani	1,428	8.8	0	0.00	143	0.88	705	4.35
Total	11,592	8.8	**95**	0.07	**1,508**	1.14	**7,260**	5.49

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Cont. Table 9.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Off Farm Income		Threshing		Harvesting		Crop Storage	
District	Number	%	Number	%	Number	%	Number	
North 'A'	221	1.17	441	2.33	32	0.17	126	0.67
North 'B'	153	1.33	0	0.00	0	0.00	0	0.00
Central	122	0.89	91	0.67	0	0.00	30	0.22
South	97	1.48	0	0.00	0	0.00	49	0.74
West	188	1.01	0	0.00	31	0.17	63	0.34
Wete	51	0.33	51	0.33	0	0.00	26	0.17
Micheweni	175	1.00	58	0.33	0	0.00	0	0.00
Chakechake	155	1.12	0	0.00	0	0.00	31	0.22
Mkoani	223	1.38	27	0.17	0	0.00	80	0.50
Total	**1,385**	**1.05**	**669**	**0.51**	**63**	**0.05**	**405**	**0.31**

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Cont. Table 9.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Crop Processing		Marketing Information		Higher Transport Costs		Destruction by Animals	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	0	0.00	63	0.33	126	0.67	1,890	10.0
North 'B'	0	0.00	178	1.56	25	0.22	509	4.4
Central	0	0.00	152	1.11	243	1.78	1,246	9.1
South	16	0.25	0	0.00	32	0.49	1,251	19.0
West	0	0.00	94	0.51	63	0.34	816	4.4
Wete	26	0.17	51	0.33	51	0.33	615	4.0
Micheweni	0	0.00	0	0.00	0	0.00	380	2.2
Chakechake	0	0.00	0	0.00	31	0.22	155	1.1
Mkoani	54	0.33	107	0.66	134	0.83	295	1.8
Total	**95**	**0.07**	**646**	**0.49**	**706**	**0.53**	**7,157**	**5.4**

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Cont. Table 9.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Stealing		Pest and Disease		Local Government Taxation		Extended dry spell	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,733	9.17	1,922	10.17	32	0.17	1,323	7.0
North 'B'	1,043	9.11	1,120	9.78	0	0.00	382	3.3
Central	1,945	14.22	1,368	10.00	30	0.22	790	5.8
South	601	9.14	845	12.84	0	0.00	341	5.2
West	2,167	11.62	973	5.22	0	0.00	534	2.9
Wete	307	2.00	871	5.67	26	0.17	820	5.3
Micheweni	526	3.01	788	4.51	58	0.33	642	3.7
Chakechake	233	1.68	930	6.72	0	0.00	372	2.7
Mkoani	714	4.41	937	5.79	27	0.17	919	5.7
Total	**9,269**	**7.01**	**9,754**	**7.38**	**173**	**0.13**	**6,124**	**4.6**

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Cont. Table 9.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

	Constraint			
	Crop Farmers/Livestock keepers Conflicts		Total	
District	Number	%	Number	%
North 'A'	977	5.17	18,901	100.00
North 'B'	305	2.67	11,452	100.00
Central	790	5.78	13,679	100.00
South	49	0.74	6,580	100.00
West	471	2.53	18,651	100.00
Wete	26	0.17	15,374	100.00
Micheweni	88	0.50	17,491	100.00
Chakechake	0	0.00	13,835	100.00
Mkoani	134	0.83	16,199	100.00
Total	**2,839**	2.15	**132,164**	**100.00**

Table 9.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	536	2.83	504	2.67	819	4.33	977	5.17
North 'B'	585	5.11	662	5.78	1,374	12.00	840	7.33
Central	152	1.11	334	2.44	821	6.00	699	5.11
South	32	0.49	16	0.25	455	6.91	276	4.20
West	754	4.04	565	3.03	1,287	6.90	816	4.38
Wete	179	1.17	282	1.83	1,307	8.50	1,461	9.50
Micheweni	175	1.00	292	1.67	1,314	7.51	1,606	9.18
Chakechake	155	1.12	124	0.90	1,333	9.64	1,480	10.70
Mkoani	134	0.83	393	2.42	1,473	9.09	1,160	7.16
Total	**2,702**	**2.04**	**3,172**	**2.40**	**10,183**	**7.70**	**9,315**	**7.05**

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Cont. Table 9.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	851	4.50	536	2.83	725	3.83	725	3.83
North 'B'	484	4.22	178	1.56	458	4.00	1,018	8.89
Central	578	4.22	243	1.78	243	1.78	760	5.56
South	97	1.48	276	4.20	325	4.94	195	2.96
West	1,444	7.74	314	1.68	534	2.86	1,382	7.41
Wete	1,691	11.00	538	3.50	1,384	9.00	1,537	10.00
Micheweni	1,898	10.85	409	2.34	496	2.84	1,197	6.84
Chakechake	1,914	13.84	186	1.34	930	6.72	2,263	16.36
Mkoani	1,696	10.47	384	2.37	1,125	6.94	2,017	12.45
Total	**10,653**	**8.06**	**3,064**	**2.32**	**6,219**	**4.71**	**11,094**	**8.39**

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Cont. Table 9.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Extension Services		Access to Forest Resources		Hunting and Gathering		Access to Potable Water	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	2,111	11.17	32	0.17	0	0.00	189	1.00
North 'B'	840	7.33	0	0.00	25	0.22	102	0.89
Central	1,672	12.22	30	0.22	0	0.00	334	2.44
South	1,024	15.56	0	0.00	0	0.00	49	0.74
West	2,010	10.77	0	0.00	0	0.00	534	2.86
Wete	1,947	12.67	26	0.17	0	0.00	205	1.33
Micheweni	3,154	18.03	0	0.00	0	0.00	88	0.50
Chakechake	1,814	13.11	0	0.00	0	0.00	248	1.79
Mkoani	1,419	8.76	62	0.39	0	0.00	241	1.49
Total	**15,989**	**12.10**	**150**	**0.11**	**25**	**0.02**	**1,989**	**1.51**

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Cont. Table 9.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Credit		Access to Off Farm Income		Threshing		Harvesting	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,764	9.33	441	2.33	126	0.67	0	0.00
North 'B'	891	7.78	127	1.11	25	0.22	25	0.22
Central	790	5.78	274	2.00	91	0.67	0	0.00
South	650	9.88	49	0.74	0	0.00	0	0.00
West	2,104	11.28	188	1.01	94	0.51	31	0.17
Wete	1,589	10.33	359	2.33	0	0.00	0	0.00
Micheweni	1,986	11.35	350	2.00	204	1.17	0	0.00
Chakechake	1,085	7.84	279	2.02	31	0.22	0	0.00
Mkoani	1,749	10.80	455	2.81	107	0.66	0	0.00
Total	**12,608**	**9.54**	**2,522**	**1.91**	**679**	**0.51**	**57**	**0.04**

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Cont. Table 9.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	252	1.33	0	0.00	95	0.50	189	1.00
North 'B'	76	0.67	25	0.22	51	0.44	76	0.67
Central	0	0.00	0	0.00	274	2.00	304	2.22
South	81	1.23	0	0.00	0	0.00	0	0.00
West	94	0.51	0	0.00	126	0.67	220	1.18
Wete	0	0.00	0	0.00	77	0.50	0	0.00
Micheweni	29	0.17	0	0.00	29	0.17	0	0.00
Chakechake	31	0.22	31	0.22	31	0.22	31	0.22
Mkoani	80	0.50	107	0.66	54	0.33	27	0.17
Total	**644**	**0.49**	**164**	**0.12**	**735**	**0.56**	**847**	**0.64**

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Cont. Table 9.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,323	7.00	2,079	11.00	2,363	12.50	32	0.17
North 'B'	1,069	9.33	1,247	10.89	763	6.67	0	0.00
Central	1,277	9.33	1,763	12.89	1,733	12.67	30	0.22
South	812	12.35	569	8.64	829	12.59	0	0.00
West	1,350	7.24	2,732	14.65	1,005	5.39	0	0.00
Wete	717	4.67	384	2.50	897	5.83	0	0.00
Micheweni	993	5.68	555	3.17	1,635	9.35	29	0.17
Chakechake	124	0.90	558	4.03	907	6.55	0	0.00
Mkoani	509	3.14	794	4.90	982	6.06	27	0.17
Total	**8,174**	**6.18**	**10,681**	**8.08**	**11,113**	**8.41**	**118**	**0.09**

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Cont. Table 9.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD Most important Constraint by District, 2007/08 Agricultural Year

	Constraint					
	Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
District	Number	%	Number	%	Number	%
North 'A'	1,638	8.67	599	3.17	18,901	100.00
North 'B'	331	2.89	178	1.56	11,452	100.00
Central	608	4.44	669	4.89	13,679	100.00
South	715	10.86	130	1.98	6,580	100.00
West	722	3.87	345	1.85	18,651	100.00
Wete	769	5.00	26	0.17	15,374	100.00
Micheweni	964	5.51	88	0.50	17,491	100.00
Chakechake	279	2.02	0	0.00	13,835	100.00
Mkoani	910	5.62	295	1.82	16,199	100.00
Total	**6,936**	**5.25**	**2,329**	**1.76**	**132,164**	**100.00**

Table 9.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	441	2.33	410	2.17	851	4.50	1,166	6.17
North 'B'	382	3.33	305	2.67	814	7.11	1,069	9.33
Central	213	1.56	274	2.00	1,216	8.89	821	6.00
South	65	0.99	97	1.48	406	6.17	276	4.20
West	471	2.53	440	2.36	1,382	7.42	722	3.88
Wete	359	2.33	128	0.83	897	5.83	1,076	7.00
Micheweni	321	1.84	292	1.67	993	5.68	1,372	7.85
Chakechake	178	1.29	62	0.45	1,550	11.20	1,256	9.08
Mkoani	295	1.82	321	1.98	1,080	6.67	1,151	7.11
Total	**2,724**	**2.06**	**2,329**	**1.76**	**9,188**	**6.95**	**8,909**	**6.74**

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Cont. Table 9.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,512	8.00	441	2.33	851	4.50	819	4.33
North 'B'	585	5.11	254	2.22	356	3.11	713	6.22
Central	578	4.22	122	0.89	152	1.11	790	5.78
South	146	2.22	114	1.73	130	1.98	146	2.22
West	691	3.71	345	1.85	345	1.85	848	4.55
Wete	794	5.17	231	1.50	897	5.83	1,307	8.50
Micheweni	1,285	7.35	175	1.00	438	2.50	613	3.51
Chakechake	729	5.27	186	1.34	682	4.93	1,232	8.91
Mkoani	1,080	6.67	27	0.17	652	4.02	2,035	12.56
Total	**7,400**	**5.60**	**1,895**	**1.43**	**4,503**	**3.41**	**8,503**	**6.44**

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Cont. Table 9.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Extension Services		Access to Forest Resources		Hunting and Gathering		Access to Potable Water	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	2,016	10.67	0	0.00	0	0.00	536	2.83
North 'B'	1,247	10.89	25	0.22	25	0.22	331	2.89
Central	1,398	10.22	0	0.00	0	0.00	456	3.33
South	796	12.10	32	0.49	0	0.00	97	1.48
West	1,790	9.61	31	0.17	31	0.17	314	1.69
Wete	2,383	15.50	77	0.50	0	0.00	666	4.33
Micheweni	2,161	12.35	0	0.00	0	0.00	88	0.50
Chakechake	1,961	14.17	0	0.00	0	0.00	248	1.79
Mkoani	1,615	9.97	27	0.17	0	0.00	357	2.20
Total	**15,368**	**11.63**	**193**	**0.15**	**57**	**0.04**	**3,093**	**2.34**

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Cont. Table 9.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Credit		Access to Off Farm Income		Threshing		Harvesting	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,575	8.33	252	1.33	315	1.67	0	0.00
North 'B'	713	6.22	382	3.33	25	0.22	25	0.22
Central	456	3.33	304	2.22	30	0.22	0	0.00
South	617	9.38	146	2.22	49	0.74	0	0.00
West	1,633	8.77	502	2.70	220	1.18	31	0.17
Wete	1,563	10.17	512	3.33	26	0.17	0	0.00
Micheweni	1,168	6.68	701	4.01	29	0.17	0	0.00
Chakechake	1,116	8.07	457	3.31	62	0.45	0	0.00
Mkoani	1,633	10.08	669	4.13	250	1.54	0	0.00
Total	**10,474**	**7.93**	**3,926**	**2.97**	**1,006**	**0.76**	**57**	**0.04**

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Cont. Table 9.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	315	1.67	0	0.00	63	0.33	158	0.83
North 'B'	51	0.44	25	0.22	51	0.44	127	1.11
Central	213	1.56	0	0.00	395	2.89	274	2.00
South	179	2.72	32	0.49	49	0.74	49	0.74
West	314	1.69	0	0.00	471	2.53	157	0.84
Wete	77	0.50	51	0.33	179	1.17	128	0.83
Micheweni	58	0.33	0	0.00	88	0.50	0	0.00
Chakechake	0	0.00	0	0.00	0	0.00	93	0.67
Mkoani	303	1.87	89	0.55	107	0.66	80	0.50
Total	**1,510**	**1.14**	**198**	**0.15**	**1,403**	**1.06**	**1,066**	**0.81**

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Cont. Table 9.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,103	5.83	1,575	8.33	2,331	12.33	126	0.67
North 'B'	509	4.44	1,807	15.78	1,145	10.00	25	0.22
Central	973	7.11	1,520	11.11	1,368	10.00	30	0.22
South	682	10.37	715	10.86	845	12.84	16	0.25
West	1,162	6.24	3,454	18.55	1,382	7.42	31	0.17
Wete	1,051	6.83	487	3.17	1,794	11.67	0	0.00
Micheweni	1,051	6.01	1,723	9.85	3,124	17.86	0	0.00
Chakechake	217	1.57	1,434	10.36	1,814	13.11	31	0.22
Mkoani	402	2.48	910	5.62	1,767	10.91	54	0.33
Total	**7,149**	**5.41**	**13,625**	**10.31**	**15,570**	**11.78**	**314**	**0.24**

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Cont. Table 9.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH Most important Constraint by District, 2007/08 Agricultural Year

	Constraint					
	Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
District	Number	%	Number	%	Number	%
North 'A'	1,544	8.17	504	2.67	18,901	100.00
North 'B'	382	3.33	76	0.67	11,452	100.00
Central	1,186	8.67	912	6.67	13,679	100.00
South	796	12.10	97	1.48	6,580	100.00
West	1,225	6.58	628	3.37	18,620	100.00
Wete	615	4.00	77	0.50	15,374	100.00
Micheweni	1,548	8.85	263	1.50	17,491	100.00
Chakechake	434	3.14	93	0.67	13,835	100.00
Mkoani	1,160	7.16	134	0.83	16,199	100.00
Total	**8,888**	**6.73**	**2,784**	**2.11**	**132,133**	100.00

Table 9.6. AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	536	2.83	315	1.67	1,071	5.67	851	4.50
North 'B'	204	1.78	382	3.33	942	8.22	636	5.56
Central	274	2.00	122	0.89	1,003	7.33	942	6.89
South	16	0.25	97	1.49	341	5.21	406	6.20
West	471	2.53	628	3.37	1,225	6.57	628	3.37
Wete	128	0.83	128	0.83	769	5.00	692	4.50
Micheweni	117	0.67	234	1.34	1,022	5.84	613	3.51
Chakechake	155	1.12	54	0.39	953	6.89	907	6.55
Mkoani	268	1.65	375	2.31	598	3.69	910	5.62
Total	**2,168**	**1.64**	**2,335**	**1.77**	**7,924**	**6.00**	**6,586**	**4.98**

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Cont. Table 9.6 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,197	6.33	441	2.33	851	4.50	977	5.17
North 'B'	1,069	9.33	178	1.56	509	4.44	865	7.56
Central	638	4.67	334	2.44	304	2.22	790	5.78
South	292	4.47	81	1.24	227	3.47	357	5.46
West	1,225	6.57	220	1.18	314	1.68	691	3.70
Wete	769	5.00	154	1.00	384	2.50	1,256	8.17
Micheweni	1,343	7.68	146	0.83	672	3.84	701	4.01
Chakechake	690	4.99	0	0.00	426	3.08	791	5.71
Mkoani	1,339	8.26	134	0.83	830	5.12	1,267	7.82
Total	8,562	6.48	1,688	1.28	4,517	3.42	7,695	5.82

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Cont. Table 9.6 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Extension Services		Access to Forest Resources		Hunting and Gathering		Access to Potable Water	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,575	8.33	32	0.17	0	0.00	221	1.17
North 'B'	789	6.89	25	0.22	25	0.22	229	2.00
Central	1,338	9.78	0	0.00	0	0.00	365	2.67
South	455	6.95	16	0.25	0	0.00	114	1.74
West	1,350	7.24	63	0.34	0	0.00	283	1.52
Wete	1,614	10.50	77	0.50	0	0.00	384	2.50
Micheweni	1,460	8.35	0	0.00	0	0.00	29	0.17
Chakechake	868	6.27	0	0.00	0	0.00	279	2.02
Mkoani	1,740	10.74	27	0.17	27	0.17	277	1.71
Total	**11,189**	**8.47**	**240**	**0.18**	**52**	**0.04**	**2,180**	**1.65**

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Cont. Table 9.6 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Access to Credit		Access to Off Farm Income		Threshing		Harvesting	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	1,323	7.00	410	2.17	63	0.33	0	0.00
North 'B'	789	6.89	178	1.56	25	0.22	0	0.00
Central	1,034	7.56	334	2.44	152	1.11	0	0.00
South	650	9.93	49	0.74	16	0.25	0	0.00
West	1,444	7.74	377	2.02	220	1.18	0	0.00
Wete	2,152	14.00	461	3.00	102	0.67	0	0.00
Micheweni	1,664	9.52	350	2.00	0	0.00	0	0.00
Chakechake	1,767	12.77	837	6.05	62	0.45	0	0.00
Mkoani	1,758	10.85	527	3.25	161	0.99	27	0.17
Total	**12,582**	**9.52**	**3,523**	**2.67**	**802**	**0.61**	**27**	**0.02**

Cont. Table 9.6 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by District, 2007/08 Agricultural Year

	Constraint							
	Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
District	Number	%	Number	%	Number	%	Number	%
North 'A'	221	1.17	32	0.17	189	1.00	158	0.83
North 'B'	76	0.67	25	0.22	102	0.89	76	0.67
Central	182	1.33	0	0.00	365	2.67	304	2.22
South	439	6.70	32	0.50	0	0.00	49	0.74
West	126	0.67	0	0.00	251	1.35	188	1.01
Wete	102	0.67	26	0.17	231	1.50	51	0.33
Micheweni	175	1.00	58	0.33	29	0.17	88	0.50
Chakechake	31	0.22	31	0.22	31	0.22	62	0.45
Mkoani	268	1.65	241	1.49	196	1.21	54	0.33
Total	**1,620**	1.23	**445**	0.34	**1,394**	1.05	**1,029**	0.78

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Cont. Table 9.6 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by District, 2007/08 Agricultural Year

District	Constraint							
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation	
	Number	%	Number	%	Number	%	Number	%
North 'A'	1,103	5.83	1,481	7.83	1,922	10.17	252	1.33
North 'B'	789	6.89	1,094	9.56	1,578	13.78	25	0.22
Central	730	5.33	699	5.11	1,550	11.33	0	0.00
South	422	6.45	504	7.69	894	13.65	65	0.99
West	911	4.88	2,449	13.13	2,261	12.12	31	0.17
Wete	999	6.50	1,051	6.83	2,178	14.17	0	0.00
Micheweni	701	4.01	934	5.34	1,927	11.02	0	0.00
Chakechake	581	4.20	1,147	8.29	2,550	18.43	0	0.00
Mkoani	509	3.14	910	5.62	1,553	9.59	80	0.50
Total	**6,744**	**5.10**	**10,269**	**7.77**	**16,412**	**12.42**	**454**	**0.34**

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Cont. Table 9.6 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH important Constraint by District, 2007/08 Agricultural Year

District	Constraint					
	Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%
North 'A'	2,552	13.50	1,134	6.00	18,901	100.00
North 'B'	611	5.33	229	2.00	11,452	100.00
Central	1,155	8.44	1,064	7.78	13,679	100.00
South	877	13.40	146	2.23	6,547	100.00
West	2,072	11.11	1,225	6.57	18,651	100.00
Wete	1,589	10.33	77	0.50	15,374	100.00
Micheweni	4,088	23.37	1,139	6.51	17,491	100.00
Chakechake	1,426	10.31	186	1.34	13,835	100.00
Mkoani	1,776	10.96	348	2.15	16,199	100.00
Total	**16,146**	**12.22**	**5,548**	**4.20**	**132,131**	100.00

10.1 HOUSEHOLD FACILITIES: Number of households reporting Average Number of Rooms and type of Building Materials and District, 2007/08 Agricultural Year

District	Roofing Materials								
	Number of rooms	Iron Sheets	Tiles	Concrete	Asbestos	Grass/Leaves	Grass & Mud	Other	Total
North 'A'	3	12,979	221	315	189	4,977	158	63	18,901
North 'B'	3	5,574	433	0	153	5,217	51	25	11,452
Central	3	8,147	122	30	730	4,560	91	0	13,679
South	3	4,923	162	16	81	1,397	0	0	6,580
West	3	13,251	597	0	63	4,710	31	0	18,651
Wete	3	7,559	461	51	77	7,175	51	0	15,374
Micheweni	3	6,132	438	0	29	10,833	88	0	17,520
Chakechake	3	9,348	31	62	155	4,209	31	0	13,835
Mkoani	3	12,067	268	0	80	3,704	54	27	16,199
Total	**3**	**79,978**	**2,732**	**475**	**1,557**	**46,782**	**554**	**115**	**132,193**
%		**61**	**2**	**0**	**1**	**35**	**0**	**0**	**100**

10.2 HOUSEHOLD FACILITIES: Number of households Reporting Average Number of Rooms, type of Floor Materials and District, 2007/08 Agricultural Year

District	Floor Materials							
	Number of rooms	Earth,Sand, Dung	Wood Planks, Bamboo, Palm	Parquet Or Polished Wood	Ceramic Tiles, Terrazzo	Cement	Other	Total
North 'A'	3	11,813	347	32	32	6,678	0	18,901
North 'B'	3	6,108	382	25	0	4,861	76	11,452
Central	3	4,894	1,064	91	61	7,539	30	13,679
South	3	1,836	114	16	16	4,598	0	6,580
West	3	6,500	1,256	63	220	10,613	0	18,651
Wete	3	9,250	512	0	51	5,560	0	15,374
Micheweni	3	12,936	496	29	29	4,030	0	17,520
Chakechake	3	8,425	310	0	0	5,100	0	13,835
Mkoani	3	10,335	402	134	27	5,302	0	16,199
Total	**3**	**72,098**	**4,882**	**390**	**436**	**54,281**	**107**	**132,193**
%		55	4	0	0	41	0	100

10.3 HOUSEHOLD FACILITIES: Number of households by type of Wall Materials and District, 2007/08 Agricultural Year

District	Wall Materials								
	Grass	Poles and Mud	Sun-Dried Bricks	Baked Bricks	Wood,Timber	Cement Blocks	Stones	Other	Total
North 'A'	1,197	4,221	1,008	630	347	6,552	3,213	1,733	18,901
North 'B'	509	4,683	840	25	229	4,683	331	153	11,452
Central	760	4,317	517	61	182	3,861	3,587	395	13,679
South	146	894	32	81	0	504	4,793	130	6,580
West	377	5,432	911	157	314	9,828	597	1,036	18,651
Wete	846	12,607	205	102	0	794	128	692	15,374
Micheweni	905	12,498	117	88	29	496	2,599	788	17,520
Chakechake	1,426	10,665	93	93	62	760	62	674	13,835
Mkoani	1,526	12,567	402	161	80	732	428	303	16,199
Total	**7,692**	**67,883**	**4,124**	**1,398**	**1,243**	**28,210**	**15,738**	**5,905**	**132,193**
%	6	51	3	1	1	21	12	4	100

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
North 'A'	12,569	6,332	18,901	126	18,775	18,901	7,466	11,435	18,901	1,134	17,767	18,901	315	18,586	18,901
North 'B'	9,442	2,011	11,452	102	11,351	11,452	5,879	5,574	11,452	1,629	9,824	11,452	738	10,714	11,452
Central	11,399	2,280	13,679	152	13,527	13,679	8,086	5,593	13,679	2,675	11,004	13,679	760	12,919	13,679
South	5,621	959	6,580	49	6,531	6,580	4,565	2,015	6,580	1,478	5,101	6,580	244	6,336	6,580
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
Wete	8,635	6,739	15,374	154	15,221	15,374	7,380	7,995	15,374	1,947	13,427	15,374	359	15,016	15,374
Micheweni	9,549	7,972	17,520	234	17,287	17,520	5,665	11,855	17,520	1,226	16,294	17,520	409	17,112	17,520
Chakechake	8,782	5,054	13,835	155	13,680	13,835	7,146	6,689	13,835	2,310	11,526	13,835	256	13,580	13,835
Mkoani	10,460	5,739	16,199	295	15,905	16,199	6,685	9,514	16,199	2,231	13,968	16,199	187	16,012	16,199
Total	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

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cont… 10.4 HOUSEHOLD FACILITIES: Number of Agricultural Households reporting ownership of Assets by District, 2007/08 Agricultural Year

Region	Bicycle			Vehicle			Television / Video			Refrigerator			Motor Cycle		
	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total
North 'A'	8,033	10,868	18,901	504	18,397	18,901	630	18,271	18,901	630	18,271	18,901	599	18,303	18,901
North 'B'	7,126	4,326	11,452	687	10,765	11,452	993	10,460	11,452	662	10,791	11,452	534	10,918	11,452
Central	8,846	4,833	13,679	426	13,253	13,679	2,189	11,490	13,679	1,429	12,250	13,679	1,216	12,463	13,679
South	4,549	2,031	6,580	406	6,174	6,580	1,430	5,150	6,580	877	5,703	6,580	406	6,174	6,580
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
Wete	7,534	7,841	15,374	154	15,221	15,374	615	14,760	15,374	359	15,016	15,374	410	14,965	15,374
Micheweni	8,585	8,935	17,520	409	17,112	17,520	438	17,082	17,520	263	17,258	17,520	496	17,024	17,520
Chakechake	5,224	8,611	13,835	248	13,587	13,835	1,132	12,704	13,835	558	13,277	13,835	504	13,331	13,835
Mkoani	6,078	10,121	16,199	562	15,637	16,199	696	15,503	16,199	509	15,690	16,199	268	15,931	16,199
Total	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
%	**51.7**	**48.3**	**100.0**	**3.5**	**96.5**	**100.0**	**9.8**	**90.2**	**100.0**	**6.4**	**93.6**	**100.0**	**5.3**	**94.7**	**100.0**

10.5 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Energy for Lighting by District, 2007/08 Agricultural Year

District	Electricity	Solar	Gas (Biogas)	Hurricane Lamp	Pressure Lamp	Wick Lamp	Candles	Firewood	Other	Total
North 'A'	1,260	95	32	473	599	16,349	32	63	0	18,901
North 'B'	1,043	25	25	585	484	8,500	51	713	25	11,452
Central	2,675	0	0	760	274	9,971	0	0	0	13,679
South	1,917	16	0	1,186	244	3,201	0	16	0	6,580
West	5,150	126	0	2,355	973	9,797	188	63	0	18,651
Wete	1,102	26	26	2,357	384	11,352	51	77	0	15,374
Micheweni	496	58	0	1,869	642	14,338	58	58	0	17,520
Chakechake	1,504	0	0	2,333	240	9,727	31	0	0	13,835
Mkoani	937	27	27	1,972	571	12,397	27	241	0	16,199
Total	**16,084**	**373**	**109**	**13,891**	**4,411**	**95,631**	**438**	**1,231**	**25**	**132,193**
%	**12.2**	**0.3**	**0.1**	**10.5**	**3.3**	**72.3**	**0.3**	**0.9**	**0.0**	**100.0**

10.6 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Energy for Cooking by District, 2007/08 Agricultural Year

Region	Electricity	Solar	Gas(Hh Biogas)	Bottled Gas(Industrial)	Parraffin / Kerosine	Charcoal	Firewood	Crop Residues	Livestock Dung	Other	Total
North 'A'	63	32	32	0	32	378	18,114	189	63	0	18,901
North 'B'	51	25	25	0	76	382	10,816	76	0	0	11,452
Central	91	0	0	0	30	395	13,102	61	0	0	13,679
South	16	0	0	0	0	227	6,092	244	0	0	6,580
West	188	0	31	31	0	2,575	15,637	157	0	31	18,651
Wete	102	0	26	0	51	205	14,862	102	26	0	15,374
Micheweni	0	0	0	0	0	321	17,199	0	0	0	17,520
Chakechake	31	0	0	0	0	876	12,835	62	31	0	13,835
Mkoani	134	27	27	161	27	473	15,217	80	54	0	16,199
Total	677	84	141	192	216	5,832	123,875	972	173	31	132,193
%	**0.5**	**0.1**	**0.1**	**0.1**	**0.2**	**4.4**	**93.7**	**0.7**	**0.1**	**0.0**	**100.0**

10.7 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Drinking Water during Wet Season by District, 2007/08 Agricultural Year

District	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	Tanked Truck	Bottled water	Other	Total
North 'A'	14,333	914	0	3,434	0	0	0	0	0	63	0	158	18,901
North 'B'	9,366	891	51	1,120	0	0	0	25	0	0	0	0	11,452
Central	9,271	2,553	0	1,733	0	0	61	30	0	30	0	0	13,679
South	6,287	260	0	32	0	0	0	0	0	0	0	0	6,580
West	12,246	4,019	63	2,010	157	0	0	31	63	63	0	0	18,651
Wete	12,812	1,256	26	1,153	26	26	0	51	0	26	0	0	15,374
Micheweni	9,169	2,365	146	5,519	29	0	0	175	0	117	0	0	17,520
Chakechake	8,208	2,899	0	1,643	0	0	124	930	0	31	0	0	13,835
Mkoani	10,630	2,035	27	3,374	0	0	27	54	0	54	0	0	16,199
Total	**92,323**	**17,191**	**312**	**20,017**	**212**	**26**	**212**	**1,297**	**63**	**383**	**0**	**158**	**132,193**

10.8 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Distance to Main Source of Drinking Water during Wet Season by District, 2007/08 Agricultural Year

District	Less than 100m	100-299 m	300-499 m	500-999 m	1-1.99 Km	2-2.99 Km	3-4.99 Km	5-9.99 Km	10Km and above	Total
North 'A'	12,758	5,670	0	473	0	0	0	0	0	18,901
North 'B'	8,398	1,145	382	1,527	0	0	0	0	0	11,452
Central	11,399	2,280	0	0	0	0	0	0	0	13,679
South	6,336	244	0	0	0	0	0	0	0	6,580
West	15,825	1,884	0	471	471	0	0	0	0	18,651
Wete	12,300	1,537	0	1,537	0	0	0	0	0	15,374
Micheweni	15,330	1,752	0	438	0	0	0	0	0	17,520
Chakechake	11,045	465	930	1,395	0	0	0	0	0	13,835
Mkoani	12,986	1,607	0	1,205	402	0	0	0	0	16,199
Total	**106,379**	**16,584**	**1,312**	**7,046**	**873**	**0**	**0**	**0**	**0**	**132,193**
%	80	13	1	5	1	0	0	0	0	100

10.9 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Time Spent to and from Main Source of Drinking Water during Wet Season by District, 2007/08 Agricultural Year

District	Less than 10	10-19 Minutes	20-29 Minutes	30-39 Minutes	40-49 Minutes	50-59 Minutes	One Hour and Above	Total
North 'A'	12,286	3,780	0	2,835	0	0	0	18,901
North 'B'	8,398	763	0	1,145	0	382	763	11,452
Central	10,031	2,280	456	912	0	0	0	13,679
South	6,580	0	0	0	0	0	0	6,580
West	16,296	471	471	942	0	471	0	18,651
Wete	12,300	1,537	384	384	0	384	384	15,374
Micheweni	7,884	5,256	2,628	1,314	438	0	0	17,520
Chakechake	7,325	3,720	930	1,395	0	465	0	13,835
Mkoani	8,033	2,008	2,142	3,213	803	0	0	16,199
Total	**89,133**	**19,817**	**7,012**	**12,141**	**1,241**	**1,702**	**1,148**	**132,193**
%	**67**	**15**	**5**	**9**	**1**	**1**	**1**	**100**

10.10 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Drinking Water during Dry Season by District, 2007/08 Agricultural Year

District	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 HH
North 'A'	11,561	2,426	0	4,284	221	32	95	0	32	95	0	158	18,901
North 'B'	8,704	1,018	51	1,272	25	305	0	51	25	0	0	0	11,452
Central	8,268	2,857	152	2,280	30	0	61	30	0	0	0	0	13,679
South	5,914	552	0	81	0	0	16	0	0	16	0	0	6,580
West	11,084	5,087	63	2,010	251	31	31	31	63	0	0	0	18,651
Wete	12,556	1,179	26	1,486	0	51	26	0	0	51	0	0	15,374
Micheweni	9,519	2,453	117	5,052	117	29	0	204	0	0	29	0	17,520
Chakechake	7,495	3,612	31	1,674	31	0	93	899	0	0	0	0	13,835
Mkoani	8,649	2,892	107	4,364	0	0	80	27	0	80	0	0	16,199
Total	**83,750**	**22,075**	**546**	**22,504**	**675**	**449**	**402**	**1,243**	**120**	**242**	**29**	**187**	**132,193**

10.11 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Distance to Main Source of Drinking Water during Dry Season by District, 2007/08 Agricultural Year

District	Less than 100m	100-299 m	300-499 m	500-999 m	1-1.99 Km	2-2.99 Km	3-4.99 Km	5-9.99 Km	10Km and above	Total
North 'A'	11,341	5,198	0	1,890	473	0	0	0	0	18,901
North 'B'	8,398	1,145	382	1,527	0	0	0	0	0	11,452
Central	10,943	2,280	0	0	456	0	0	0	0	13,679
South	6,336	0	244	0	0	0	0	0	0	6,580
West	15,354	1,413	0	1,413	471	0	0	0	0	18,651
Wete	12,684	769	0	1,537	384	0	0	0	0	15,374
Micheweni	15,330	1,752	0	438	0	0	0	0	0	17,520
Chakechake	11,045	465	930	1,395	0	0	0	0	0	13,835
Mkoani	12,986	1,607	0	1,205	402	0	0	0	0	16,199
Total	**104,418**	**14,628**	**1,556**	**9,406**	**2,185**	**0**	**0**	**0**	**0**	**132,193**

10.12 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Time Spent to and from Main Source of Drinking Water during Dry Season by District, 2007/08 Agricultural Year

District	Less than 10 Minutes	10 - 19 Minutes	20 - 29 Minutes	30 - 39 Minutes	40 - 49 Minutes	50 - 59 Minutes	above one Hour	Total
North 'A'	9,923	2,835	945	2,835	473	473	1,418	18,901
North 'B'	7,635	1,527	0	763	382	382	763	11,452
Central	10,487	1,368	912	456	0	0	456	13,679
South	6,092	0	244	244	0	0	0	6,580
West	14,883	942	942	942	0	471	471	18,651
Wete	11,915	1,537	0	769	0	384	769	15,374
Micheweni	8,322	4,380	1,314	1,752	1,314	0	438	17,520
Chakechake	5,464	4,185	1,860	1,395	465	465	0	13,835
Mkoani	6,426	3,213	2,142	3,213	1,205	0	0	16,199
Total	**81,149**	**19,988**	**8,359**	**12,369**	**3,838**	**2,175**	**4,315**	**132,193**

10.13 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting type of TOILET the household normally use by District, 2007/08 Agricultural Year

District	No Toilet / Bush	Flush Toilet	Traditional Pit Latrine	Improved Pit Latrine - hh Owned	Other Type	Total
North 'A'	5,544	914	10,018	2,394	32	18,901
North 'B'	1,781	942	6,871	1,832	25	11,452
Central	1,277	1,246	7,478	3,648	30	13,679
South	585	309	4,013	1,657	16	6,580
West	659	4,019	9,922	4,019	31	18,651
Wete	9,635	641	3,664	1,435	0	15,374
Micheweni	13,637	584	2,132	1,168	0	17,520
Chakechake	7,286	589	4,488	1,473	0	13,835
Mkoani	9,309	518	2,463	3,909	0	16,199
Total	49,713	9,761	51,049	21,535	135	132,193
%	37.6	7.4	38.6	16.3	0.1	100.0

10.14 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Number of meals the household normally has per day by District, 2007/08 Agricultural Year

District	One	Two	Three	Total
North 'A'	1,481	13,388	4,032	18,901
North 'B'	229	6,210	5,014	11,452
Central	61	6,536	7,083	13,679
South	16	1,755	4,809	6,580
West	408	7,944	10,299	18,651
Wete	692	9,302	5,381	15,374
Micheweni	350	13,900	3,270	17,520
Chakechake	155	6,596	7,084	13,835
Mkoani	482	9,175	6,542	16,199
Total	**3,874**	**74,804**	**53,515**	**132,193**
%	2.9	56.6	40.5	100.0

10.15 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Number of days the household Consumed Meat during the Preceeding Week by District, 2007/08 Agricultural Year

District	Not Eaten	One	Two	Three	Four	Five	Six	Seven	Total
North 'A'	10,963	5,607	1,890	315	95	32	0	0	18,901
North 'B'	7,050	1,731	1,807	662	102	51	0	51	11,452
Central	7,265	4,043	1,885	395	91	0	0	0	13,679
South	4,614	1,235	520	195	0	0	0	16	6,580
West	10,268	4,930	2,512	816	94	0	0	31	18,651
Wete	10,557	2,357	1,742	641	26	51	0	0	15,374
Micheweni	13,958	2,073	1,256	146	88	0	0	0	17,520
Chakechake	11,743	1,403	519	140	0	31	0	0	13,835
Mkoani	11,487	2,678	1,258	482	80	187	27	0	16,199
Total	87,903	26,056	13,389	3,791	575	352	27	99	132,193
%	66.5	19.7	10.1	2.9	0.4	0.3	0.0	0.1	100.0

10.16 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Number of days the household Consumed Fish during the Preceeding Week by District, 2007/08 Agricultural Year

District	Not Eaten	One	Two	Three	Four	Five	Six	Seven	Total
North 'A'	662	599	2,646	1,670	3,686	3,749	1,103	4,788	18,901
North 'B'	280	407	1,323	1,094	2,214	2,163	1,349	2,621	11,452
Central	61	365	2,341	1,885	2,249	1,976	1,216	3,587	13,679
South	32	16	114	309	634	1,218	1,040	3,217	6,580
West	408	597	2,983	1,853	3,737	2,543	1,884	4,647	18,651
Wete	564	1,127	1,896	1,947	2,921	2,588	1,614	2,716	15,374
Micheweni	117	496	1,343	1,577	2,862	3,796	1,694	5,636	17,520
Chakechake	1,046	992	2,728	2,480	2,597	1,674	488	1,829	13,835
Mkoani	1,044	1,107	2,124	2,624	3,820	2,437	964	2,080	16,199
Total	**4,214**	**5,706**	**17,499**	**15,438**	**24,719**	**22,145**	**11,351**	**31,121**	**132,193**
%	3	4.3	13.2	11.7	18.7	16.8	8.6	23.5	100.0

10.17 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting the status of food satisfaction of the household during the Preceeding Year by District, 2007/08 Agricultural Year

District	Never	Seldom	Sometimes	Often	Always	Total
North 'A'	2,741	9,167	2,583	3,024	1,386	18,901
North 'B'	5,217	3,258	1,247	1,374	356	11,452
Central	6,900	4,681	1,307	456	334	13,679
South	3,444	2,664	211	179	81	6,580
West	9,922	5,464	1,821	816	628	18,651
Wete	6,047	5,022	1,486	1,947	871	15,374
Micheweni	6,191	6,775	1,343	1,898	1,314	17,520
Chakechake	7,131	5,100	550	620	434	13,835
Mkoani	6,658	5,596	1,642	1,089	1,214	16,199
Total	**54,252**	**47,727**	**12,192**	**11,404**	**6,619**	**132,193**
%	**41**	**36.1**	**9.2**	**8.6**	**5.0**	**100.0**

10.18 HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Main Source of Income by District, 2007/08 Agricultural Year

District	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
North 'A'	6,521	158	284	536	32	2,394	1,827	1,355	693	4,725	158	221	18,901
North 'B'	4,657	229	356	280	25	1,400	1,043	1,756	585	967	76	76	11,452
Central	6,140	486	304	395	61	1,885	2,067	973	426	821	122	0	13,679
South	1,478	81	97	211	634	1,105	926	406	292	1,218	114	16	6,580
West	4,741	440	691	251	31	3,611	4,616	2,386	283	911	345	345	18,651
Wete	4,356	384	512	436	102	1,768	1,742	1,409	2,178	2,255	77	154	15,374
Micheweni	3,037	234	380	613	175	2,482	1,168	1,606	2,862	4,877	58	29	17,520
Chakechake	3,410	124	465	310	31	930	2,116	2,387	1,527	1,891	612	31	13,835
Mkoani	7,149	134	214	785	214	1,339	1,214	803	2,053	2,080	80	134	16,199
Total	**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**
%	31.4	1.7	2.5	2.9	1.0	12.8	12.6	9.9	8.2	14.9	1.2	0.8	100.0

UNITED REPUBLIC OF TANZANIA

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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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ACL F 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	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)

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ACLF 3

Household listing for 15 selected farmers

National Agriculture Sample
Census 2007/08

Region _____ Code ☐☐ ward : _____ code ☐☐☐ ☐☐ Namba Sawia ☐☐☐
District _____ Code ☐☐ village _____ code ☐☐ Hatwa

S/N	Sub-village leader Number	Name ofs ub-village leader	Name ofs elected head of household	Name of Household Head	Number of					
					Field	Cattle	Goat	Sheep	Pigs	Poultry
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
☐☐	☐☐		☐☐☐☐							
☐☐	☐☐		☐☐☐☐							
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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 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 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.

HOUSEHOLD INFORMATION

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	……..…												
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26	……..…												
27	……..…												
28	……..…												
29	……..…	1											
30	……..…												
31	……..…												
32	……..…												
33	……..…												

CODES FOR Q3: HOUSEHOLD INFORMATION

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 o harvests. this is the same as the area planted minus the area that was destroyed by floods/ pe

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 C and Oil

Code	C
31	B
32	C
33	C
34	C
35	D
36	B
37	N
41	S
42	S
43	C
47	S
48	C

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 are 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 and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees met 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 p (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 b respondent

(iii) Calculate the area occpied by each crop by multiplying collumn d and collumn e and sum 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 th 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 c

2. Using the percentage for each crop, calculate the are for each crop from the remainin tenmporary crop.

3. After completing the exrcise for all the fields, sum the area of each crop in tyhe mix plus any uenter the totals in section 5.1.1 Collumn 3.

4. Once the quantity harvested is obtained , caklculate the yields (metric tonnes/acre) a the figures with the norms given in the crops code box. If there is significantly differentce, ch 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 11 proceed to col 20): Cultiv ated areaE neo lililot umik a	Qunaity of agroch: Quant ity	Quantity
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
……																	
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……																	
……																	
……																	
……																	
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

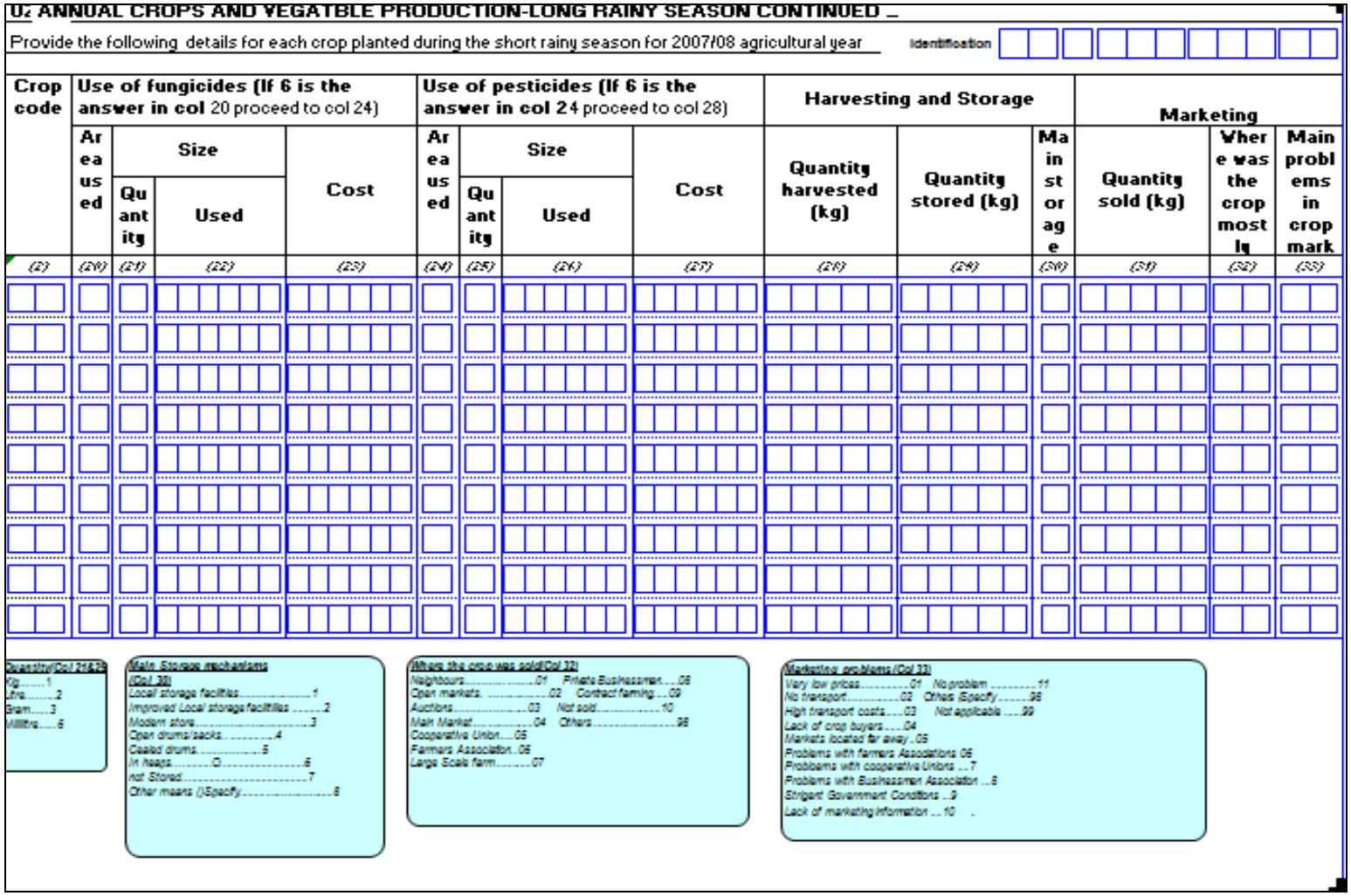
Qunatity (Col 7)
Kg …….1
Seedlings....2
Gram…..3

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

Main crop owner: (Col 4)
Enter number of hh member from page 2 on details on hh members in Q. 3



02 ANNUAL CROPS AND VEGATBLE PRODUCTION-LONG RAINY SEASON CONTINUED _

Provide the following details for each crop planted during the short rainy season for 2007/08 agricultural year

Identification

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	Quantity sold (kg)	Where was the crop most lq	Main problems in crop mark
		Quantity	Used			Quantity	Used							
(2)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)

Quantity(Col 21&25)
Kg.....1
Ltrs.....2
Gram.....3
Millitrs.....6

Main Storage mechanisms (Col 30)
Local storage facilities.....1
Improved Local storage facilities 2
Modern store.....3
Open drums/sacks.....4
Sealed drums.....5
In bags.....O.....6
not Stored.....7
Other means ()Specify.....8

Where the crop was sold(Col 32)
Neighbours.....01 Private Businessmen....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
Problems with cooperative Unions ...7
Problems with Businessmen Association ...8
Stringent Government Conditions ..9
Lack of marketing information ...10 .

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.

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				Pembejeo									
		Monocrops	Mixed crops			Uses of seeds					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/f	Area for trees/seedling/branch/bushes	Are for mixed crops (Acre)	Number of Tplants/ trees in the crop mixh of permanent and perennial	Main crop owner : Enetr the number of the hh member	Type of planted see	Cultivated area	Size Quant	Size Used	Cost (Ths)	Irrigation	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
Don'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...

Quantity (Col 9)
Kg.....1
Seedlings....2
Gram.....3

Use of farm inputs (Col 12 & 13)
For the whole crop.....1
3/4 of the wholecrop.....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
Inorganic fertilsers.....2

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		0.000
Permanent crop 2			0.000		0.000
Permanent crop 3			0.000		0.000
Permanent crop 4			0.000		0.000
			Total area for permanent crops		0.000
Total Area for mixed crops			**The remaining area for temp crops**		0.000

	% 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		0.000
Permanent crop 2			0.000		0.000
Permanent crop 3			0.000		0.000
Permanent crop 4			0.000		0.000
			Total area for permanent crops		0.000
Total area for mixed crops			**The remaining area for temp crops**		0.000

	% 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 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 informati on for hh	Uses of seeds					Irriga tion	Uses of Fertilisers (If 6 is the answe		
Name of permanent/perennial crop	crop code of permane nt / perennial crop/frui t trees	Area for trees/seedling/bra nch/bushes	Are for mixed crops (Acre)	Number of Tplants/ trees in the crop mixh of permanent and perennial crop		Type of plant ed seeds	Cultiv ated area	Size		Cost (Ths)		Area used	The type of fertilis er used	Quantity o fertiliser (k
								Quant ity	Used					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
.....														
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.....														
.....														

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 culltivated (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 o 14)
Organ

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			
		Area used	Size		Cost	Area used	Size		Cost	Area used	Size		Cost	Harvested area (acre)	Quantity of mature plants	Quantity harvested (kg)	Quantity stored (
			Quantity	Used			Quantity	Used			Quantity	Used					
(1)	(2)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)

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 facilitiies ……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.

Working area/calculation space

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.

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

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				

Source of irrigation water (Col 1)
River……1 Wells ……..4
Lake ……2 Deep wells……..5
Dams……..3 Cannals ……. .6
Tape water…… …7

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		Type of erosion control/water harvesting	Number of water harvesting	Year of construction
	(1)	(2)	(3)		(1)	(2)	(3)
6.6.3	Terraces			6.6.7	Tree belt		
6.6.4	Bunks for erosion control			6.6.8	Soil bunks of water harvesting		
6.6.5	Gabions/sand bags			6.6.9	Trenches		
6.6.6	Vetiva leaves			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 Businemari/Shop.....5
Cooperative Union.....3 Priviate individuaks.....6 Other.....9

		7.1.1a	7.1.2a	7.1.3a
Source of credit				
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

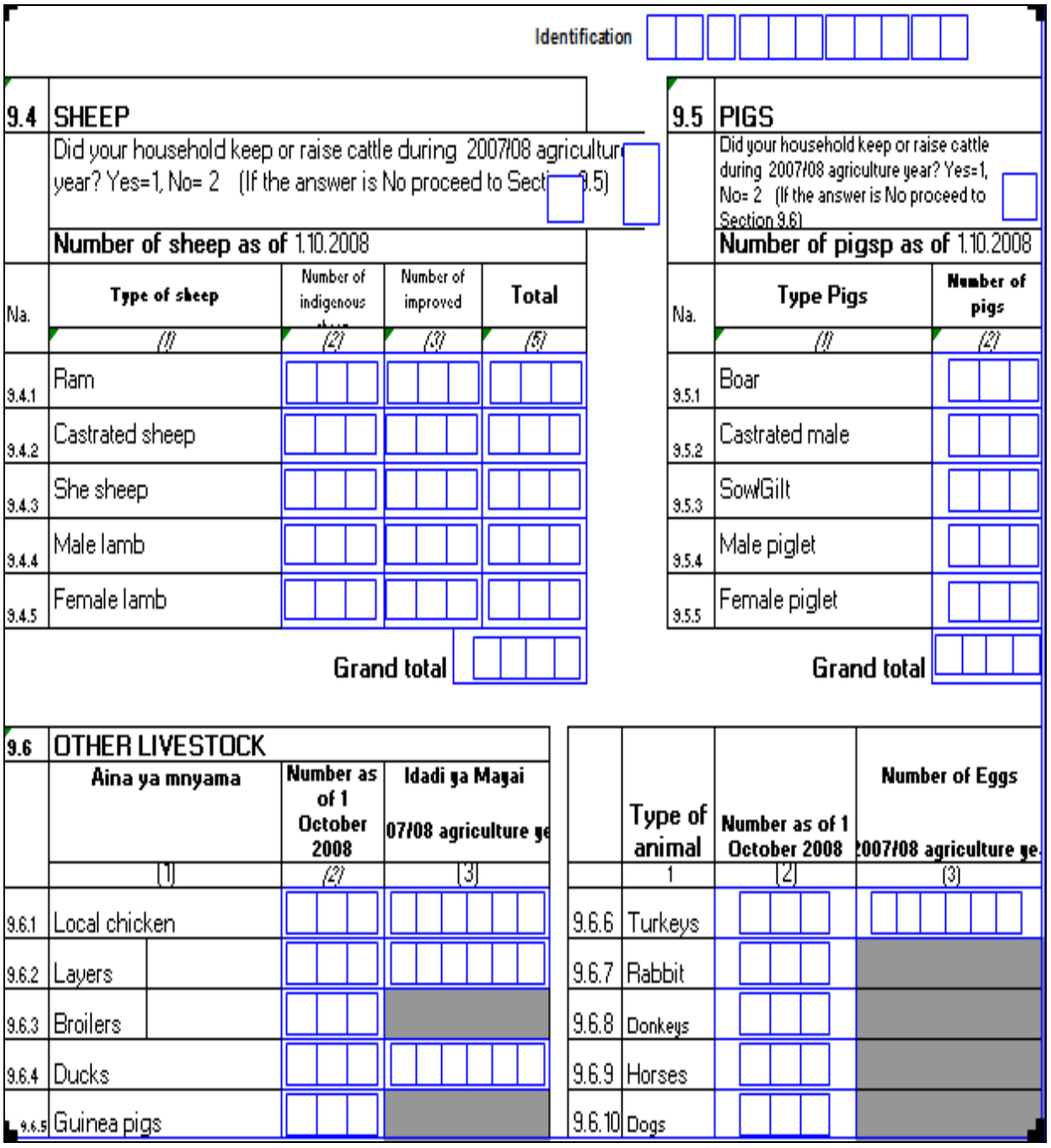
Lamb: Young sheep under 9 months of age.

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 agricultur year? Yes=1, No= 2 (If the answer is No proceed to Secti 9.5)

Number of sheep as of 1.10.2008

Na.	Type of sheep	Number of indigenous	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

	Aina ya mnyama	Number as of 1 October 2008	Idadi ya Magai 07/08 agriculture ge
	(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 ge
	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)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
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..
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

ACQ 3 CONFIDENTIAL

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

Region	.....			Ward	
District	.....			Village	

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

Enumerator Name _____ Signature _____

Date of Enumeration

d d / m m / y y y y

Hour	Minutes
Start Time	
End Time	

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.

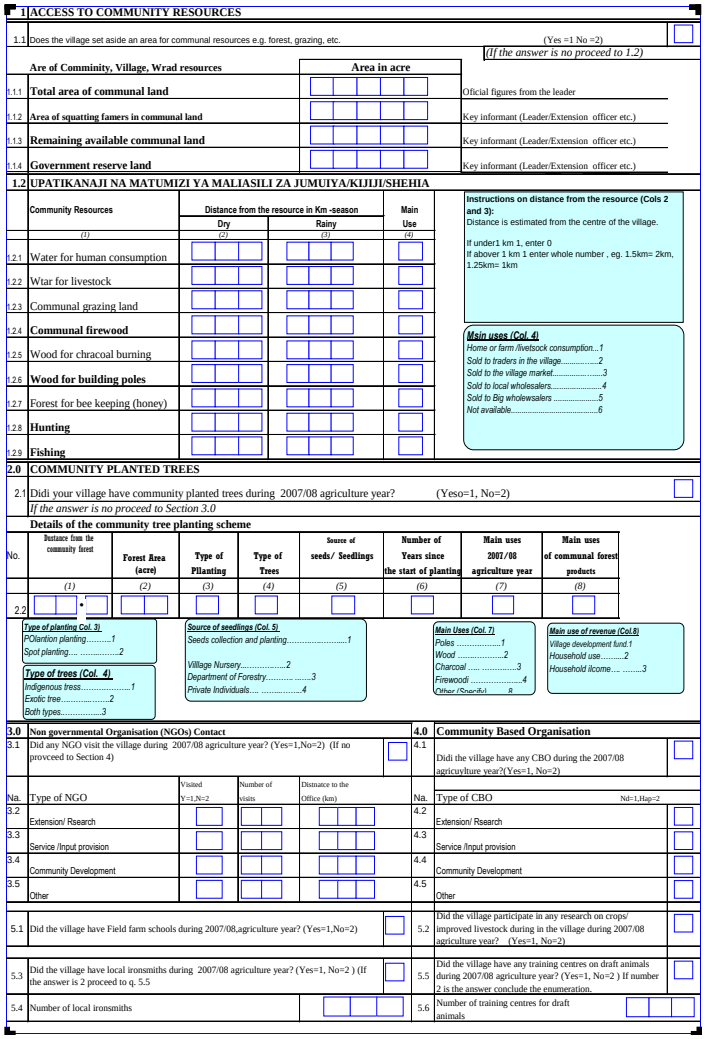
Indigeous Trees: Trees that are native to Tanzania

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	Distance from the resource in Km -season		Main Use
		Dry	Rainy	
	(1)	(2)	(3)	(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 usses (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.	Distance from the community forest	Forest Area (acre)	Type of Pllanting	Type of Trees	Source of seeds/ Seedlings	Number of Years since the start of planting	Main uses 2007/08 agriculture year	Main uses of communal forest products
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(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				4.0	Community Based Organisation	
3.1	Did any NGO visit the village during 2007/08 agriculture year? (Yes=1,No=2) (If no provceed to Section 4)				4.1	Didi the village have any CBO during the 2007/08 agricuylture year?(Yes=1, No=2)	
Na.	Type of NGO	Visited Y=1,N=2	Number of visits	Distnace to the Office (km)	Na.	Type of CBO Nd=1,Hap=2	
3.2	Extension/ Rsearch				4.2	Extension/ Rsearch	
3.3	Service /Input provision				4.3	Service /Input provision	
3.4	Community Development				4.4	Community Development	
3.5	Other				4.5	Other	
5.1	Did the village have Field farm schools during 2007/08,agriculture year? (Yes=1,No=2)				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)	
5.3	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				5.5	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.	
5.4	Number of local ironsmiths				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 ↓4

Appendix V

Village Community Level formats

UNITED REPUBLIC OF TANZANIA

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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)

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ACLF 3

Household listing for 15 selected farmers

National Agriculture Sample Census 2007/08

Region _____ Code ☐☐ ward : _____ code ☐☐☐ ☐☐ Namba Sawia ☐☐☐

District _____ ☐ village _____ code ☐ Hatua ☐☐☐

Code ☐☐

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)
☐☐	☐☐☐		☐☐☐☐							
☐☐	☐☐☐		☐☐☐☐							
☐☐	☐☐☐		☐☐☐☐							
☐☐	☐☐☐		☐☐☐☐							