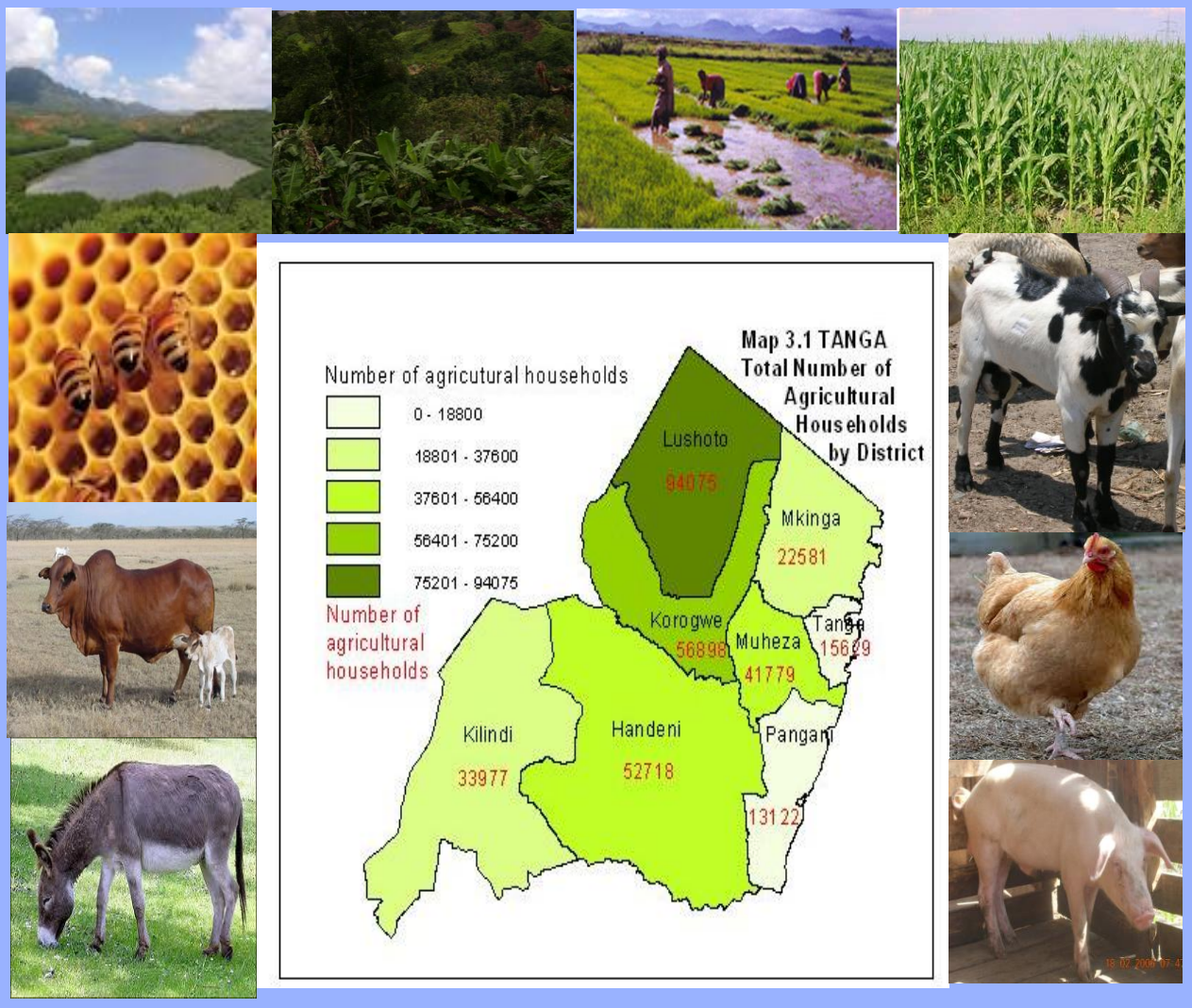
The United Republic of Tanzania

SAMPLE CENSUS OF AGRICULTURE 2007/2008

VOLUME Vd: REGIONAL REPORT: TANGA REGION



Ministry of Agriculture, Food Security and Cooperatives, Ministry of Livestock Development and Fisheries, Ministry of Water and Irrigation, Ministry of Agriculture, Livestock and Environment, Zanzibar, Prime Minister's Office, Regional Administration and Local Governments, Ministry of Industries, Trade and Marketing, The National Bureau of Statistics and the Office of the Chief Government Statistician, Zanzibar

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NATIONAL SAMPLE CENSUS OF AGRICULTURE
2007/2008 SMALL HOLDER AGRICULTURE

REGIONAL REPORT – TANGA REGION (Volume Vd)

Ministry of Agriculture, Food Security and Cooperatives, Ministry of Livestock Development and Fisheries, Ministry of Water and Irrigation, Ministry of Agriculture, Livestock and Environment, Zanzibar, Prime Minister's Office, Regional Administration and Local Governments, Ministry of Industries, Trade and Marketing, The National Bureau of Statistics and the Office of the Chief Government Statistician, Zanzibar

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1 Background Information

1.1 Introduction

In this section of the report a brief description of the regional profile is presented with specific focus on geographical location, land area, climate, administrative set up, population and socio-economic indicators. This is to enable the reader with a general understanding of the region and its resources.

1.2 Geographical Location and Boundaries

Tanga region is situated at the North-East corner of Tanzania between 4° and 6° degrees below the Equator and 37° -39^o10' degrees East of the Greenwich Meridian. It (Tanga) shares borders with Kenya to the North, Morogoro and Coast regions to the South, Kilimanjaro and Arusha regions to the West and the Indian Ocean to the East.

The region comprises of eight districts. These are Lushoto, Korogwe, Muheza, Tanga, Pangani, Handeni, Kilindi, and Mkinga. The region headquarters is located in Tanga District.

1.3 Land Area

The region has a total area of 27,342km^2, of which 572km^2 are Covered by water.

1.4 Climate

1.4.1 Temperature

The dominant climate is warm and wet along the coast and inland of Tanga regionThe average annual temperature vary between 24C^0 to 32C^0 in lowlands. The Region experiences moderate temperature of around 24C^0 almost throughout the year.

1.4.2 Rainfall

The region has two main rainy seasons - the short and the long rainy seasons. The short rainy season (Vuli) is from October to November and the long rainy season (Masika) is from April to May.

In Tanga region, rainfall in Tanga varies from 96.0 to 648.0 (mm/month). The coastal palins in Tanga, Pangani and part of Muheza district there is a moderate annual rainfall of 800 – 400mm while the dry plains mostly in Handeni, Kilindi and Korogwe districts receive low rainfall ranging 200 to 600mm annually. However , the average annual rainfall varies from year to year and between ecological zones.

1.5 Population

According to the 2002 Population and Housing Census, Tanga had a total of 1,642,015 inhabitants and it ranked 10th in population out of the 21 regions of Tanzania.

1.6 Socio-Economic Indicators

The regional Gross Domestic Product (GDP) at current prices for the year 2006 was estimated to be TShs. 475,835 million with a per capita income of shillings 236,115. The region ranked 10th among regions on GDP and contributed about 4.3% to the national GDP.

Tanga region is famous for limestone and gypsum mineral deposits, all of which are used in the cement factory situated in the region.

It has many tourist attractions such as the Mkomazi Game Reserve, Amboni Caves, Totten Islands, Tongoni Ruins, Pangani Beach and Hot Water Baths in Amboni and Amani Nature Reserve and has first class hotels (including Mkonge Hotel and Baobab Tree Inn) with conference facilities.

Besides, the region is famous for producing both food and cash crops. The main food crops produced in Tanga region include: maize, paddy, beans and sorghum. On the other hand, the main cash crops include sisal and tea. Livestock keeping is an equally important economic activity in the region.

ACRONYMS

ASDP	Agricultural Sector Development Project
CSPro	Census and Survey Processing Program
DFID	Department for International Development
DIAS	District Integrated Agricultural Survey
DADIPS	District Agricultural Development and Investment Projects
CSTWG	Censuses and Surveys Technical Working Group
DADO	District Agricultural Development Officer
DS	District Supervisor
EAS	Expanded Agricultural Survey
EAs	Enumeration Areas
EU	European Union
FE	Field Enumerator
GDP	Gross Domestic Product
Ha	Hectares
Hh	Household
ID	Identity
IAS	Integrated Agricultural Survey
ICR	Intelligent Character Recognition
IEC	Information, Education and Communication
JICA	Japanese International Cooperation Agency
LRS	Long Rainy Season
MAFC	Ministry of Agriculture, Food Security and Cooperatives
MIT	Ministry of Industry and Trade
MLFD	Ministry of Livestock and Fisheries Development
NBS	National Bureau of Statistics
NGO	Non Governmental Organization
NMS	National Master Sample
NSCA	National Sample Census of Agriculture
NSGRP	National Strategy for Growth and Reduction of Poverty (MKUKUTA\)
PORALG	President's Office, Regional Administration and Local Government
PPS	Probability Proportional to Size

PSU	Primary Sampling Unit
RAAS	Rapid Appraisal Agricultural Survey
RS	Regional Supervisor
RSM	Regional Statistical Manager
SAC	Scotts Agriculture Consultancy Ltd
SPSS	Statistical Package for Social Science
SRS	Short Rainy Season
TOT	Training of Trainers
UNDP	United Nations Development Programme
UNFAO	United Nations Food and Agriculture Organization
VPO	Vice President Office

PREFACE

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

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

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

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

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

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

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

Dr. Albina A. Chuwa
Director General
National Bureau of Statistics

EXECUTIVE SUMMARY

Household Characteristics

There census for Tanga region covered a total of 330,779 agricultural households. Of these households majority 64.6% (213,940) were engaged in crop production only as the major agricultural activity compared to households engaged in mixed crop and livestock production (113,476 households, 34.3%), livestock only (3,131 households, 0.95%) and pastoralists (233 households, 0.1%).

Out of a total of 330,779 households, 76% (249,885) were male-headed while 24% (80,893) were female-headed. The data show that very few households were headed by female in all districts in the region.

Out of a total of 1,615,866 household members, female household members accounted for 51% (824,679) while male household members were only 49% (791,188). The highest percent (56%) of male household members was in two age categories, namely 55-59 and 75-79 years. On the other hand, the lowest percent (39%) of male household members was in the age category of 25-29 years. Regarding female household members, the highest and lowest percentage of them were in the age category of 25-29 years and 75-79 years respectively.

Tanga region had a literacy rate of 75% (1,053,084) while illiteracy rate (those who could not read and write) was 25% (351,729). Also, 69.6% (978,415) were literate in Kiswahili, 73,858 (5.3%) were literate in both Kiswahili and English, and only 0.1% (810) were literate in other languages. Districts which recorded a literacy rate above the regional average were Muheza (81.6%), Tanga (80.5%), Pangani (79.6%), Lushoto (78.4%), and Korogwe (77%) while Kilindi recorded 62.1% which is the lowest literacy rate in the region (37.9%) while the lowest illiteracy level was recorded in Muheza (18.4%). Furthermore, Tanga District recorded the highest literacy rate in Kiswahili (74.8%), while the lowest literacy rate was recorded in Kilindi (59.2%). However, when literacy rate was measured in reference to both Kiswahili and English, Muheza had the highest percent of literacy rate (7.1%) while Kilindi District had the lowest percent of literacy (2.9%).

Crop Production

Land Area

The total area available to smallholders was 610,519 ha. The area average land utilized for crop production per household growing crops was 2.1 ha.

Planted Area

The total area planted with annual crops and vegetables was 436,725 ha. Out of this area Lushoto had the largest planted area (96,426 ha) followed by Handeni (96,339 ha) while Tanga recorded the smallest planted area (9,251 ha). Other districts had the following figures in ha: Kilindi (79, 064 ha), Korogwe (69,812 ha), Muheza (55, 037 ha), Mkinga (17, 288 ha), and Pangani (12,703 ha). Besides, out of the total planted area, 41% was planted during the short rainy season for the region with Lushoto accounting for the highest percent (71%) followed by Mkinga (64%). In other districts the percent of area planted during the short rainy season ranged from 19% to 41%. In fact, Korogwe recorded the lowest percent area planted during the short rainy season.

Maize

Maize was grown in all districts in Tanga region. In all, a total of 315,882 ha were planted with maize. Handeni had the largest area planted with maize (79,794 ha) followed by Kilindi (55,896 ha), and Korogwe (54,273 ha). Other districts each had less than 50,000 ha planted with maize and Tanga District had the smallest area planted with maize (7,896 ha). However, Kilindi had the largest area per maize growing households (1.33 ha) followed by Handeni (1.18). In contrast, Lushoto had the smallest area per maize growing households (0.46 ha).

Paddy

Except for Lushoto paddy was grown in all districts in Tanga region with Korogwe recording the largest area planted with paddy (4,162 ha) followed by Muheza (689 ha). Other districts had much smaller areas planted with paddy. Area planted per paddy growing household varied from 0.3 ha to 0.7 ha. Also, the average area planted per paddy growing household was 0.4 ha in the region.

Cassava

Kilindi recorded the largest area planted with cassava (102 ha) followed by Lushoto (89 ha), and Pangani (30 ha). Kilindi had the largest planted area per cassava growing households (0.61 ha) followed Pangani (0.40 ha), and Lushoto (0.19 ha).

Permanent Crops

A total of 252,534 households were growing perennial crops in an area of 180,570 ha. The largest number of households grew banana (41,464) followed by orange (31,771), coconut (28,085), cashewnut (17,577) and mango (16,851) while other permanent crops were grown by between 2,000 and 7,000 households. In terms of percent, the highest percent of the area was planted with other crops (32.9%) followed by oranges (19.7%), cashewnut (17.9 %), coconut (11.4%), and banana (6.32%). Other permanent crops were planted in percentages ranging from 0.4% (to 4.0 %. Regarding yield, the first three crops that registered the highest yield were sugar cane (10.9 ton/ha) followed by tea (5.9 ton/ha), and mango (5.0 ton/ha). In contrast, coconut recorded the lowest yield (0.5 ton/ha).

Use of Fertilizers

Generally, there was limited use of fertilizer in crop production. In fact, none of it was used in Handeni. In other districts planted area without fertilizer application ranged from as high as 99.9% to as low as 99.2%, indicating that Lushoto district had the highest percent of area planted with fertilizer.

Irrigation

Tanga region had a total area of 33,553 ha planted with annual crops under irrigation indicating a decrease of 7,536 ha compared to 41,089 ha recorded in 2002/03 Agricultural census. For the 2007l08 agricultural year the irrigated area during the short rainy season was 14,138 ha, which accounted for 42 percent while during the long rainy season the area planted under irrigation was 19,514 ha accounting for 58 percent. The main source of irrigation water was river.

Crop Storage

A total of 286,663 agricultural households stored crops. Lushoto had the highest percent (28%) of households, which stored their crops followed by Korogwe (17%), Muheza and Handeni (16%)

each, Kilindi (11%), Pangani and Mkinga (4%) each while Tanga had the lowest percent of households, which reported storing crops (3%).

Crop Marketing

A total of 311,860 households out of 330,779 accounting for 94% of all households sold their crops. However, there is great variation across districts in terms of number and percent of households that sold their crops. Lushoto was among the first three districts with the largest number of households, which sold crops. It had 108,942 (32%) households, followed by Korogwe and Handeni 48,632 (14%). On the other hand, Pangani 9,732 (3%) had the smallest number of households that sold crops.

Agricultural Credit

The major sources of agricultural credit were bank (32.9%) and savings and credit societies (32.2%). Other sources of minor importance were NGO/Development project (10.6%), private individuals (9.3%), and family/friend/relative (5.6%). Generally, the importance of credit sources varied greatly across districts. For example, commercial banks were the sole source of credit in Pangani while family/friends were only used as sources of credit in Kilindi.

Crop Extension

Out of a total 327,415 of crop growing households, 227,375 (69%) reported receiving extension advice while 100,040 (31%) did not. Clearly, crop growing households in some districts had more access to extension advice than others. Specifically, Lushoto had the highest percent households with access to extension advice (83%). Other districts with almost two thirds of households reporting access to extension service were Korogwe (71%), Muheza (71%), Tanga (67%), Pangani (67%), and Kilindi (66%). Mkinga District had the lowest recorded percent (50%) of households with access to extension followed by Handeni (53%).

Use of Improved Seeds

A total of 56,900 households in the region used improved seeds. The first three leading districts based on the number of households, which used improved seeds were Lushoto (19,047) followed by Korogwe (14,049), and Muheza (6,808). On the other hand, Mkinga had the smallest number of households using improved seeds (2,565). However, in terms of percent of are area planted using

improved seeds, Tanga had the highest percent (23%) closely followed by Pangani (20%), and Korogwe (17%). The other remaining districts had less than 11% of households using improved seeds with Kilindi having the lowest percent (4%).

Erosion Control Facilities

A total of 27,417 (8%) had erosion control/water harvesting facilities on their farms while 303,362 (92%) did not. On the other hand, distribution of districts by erosion control/water harvesting facilities shows that Lushoto had the largest number and percent of households (21,138, 22%) with these facilities. Generally, other districts recorded low percentages of households with erosion control facilities ranging from 1% (Tanga, Pangani, and Handeni) to 6% (Muheza).

Livestock and Poultry Production

Cattle

A total of 732,130 cattle were kept in the region and were divided in 74,670 households. Most of these households (62,306) kept indigenous cattle (688,114), which accounted for 94% of the total cattle population. In addition, 1,222 households kept 2,377 improved beef, which accounted for only 0.3% of the cattle while 16,728 households were raising a total of 41,639 dairy cattle, which comprised 6% of the cattle population.

Goats

There were 84350 households involved in keeping 718,625 goats**.** Indigenous breeds dominates goat husbandry in the region as they constituted 98.2% of the goat population while diary goats constituted only 1.8%.

Sheep

There was a total of 216,983 sheep in Tanga region majority (56.5%) of which were she sheep. Indigenous sheep production was carried out in all districts in the region. However, distribution varied greatly across districts. Kilindi (66,528, 30.7%), Lushoto (66,201, 30.5%), Mkinga (27,153, 12.5%), and Korogwe (26,131, 12%) were the first four districts with the largest population of sheep. The population in other districts ranged from 7,029 (Handeni) to 9,078 (Muheza).

Pigs

Tanga region had a total of 17,155 pigs, which were distributed by category as follows: boar (3,669), castrated male (316), sow/gilt (7,587), male piglet (1,578), and she piglet (4,004) indicating greater preference for sow/gilt.

Chickens

The total number of households that kept chicken was 211,636 of which 211,460 households kept a total of 2,092,981 indigenous chickens while 408 households raised 3,223 layers and the remaining 430 households raised a total of 3,378 broilers. Muheza had the largest population of chickens (471,123) followed by Handeni (384,382), Lushoto (336,116), Kilindi (238,007), and Korogwe (200,477). Other districts each had less than 200,000 chickens.

Fish Farming

Fish farming was not practised in most districts in Tanga region except in Muheza. A total of 41,779 agriculture households (825, 2%) practised fish farming using dug out pond system.

Poverty Indicators

Types of Toilets

Out of a total of 330779 households, 275,691 (83%) used traditional pit latrines to dispose off human waste while 31,316 (9. %) reported not having toilets and instead disposed of human waste in the bush. Of those households, 7% (19,269) and 1% (4,503) used improved pit latrines and flush toilets respectively.

Roofing Materials

Grass/leaves were used as roofing material by a total of 131,908 households in Tanga region. The largest number of these were found in Handeni (34,885), Korogwe came a distant second (18,545) closely followed by Mkinga (16,392), Kilindi (14,094), Lushoto (11,150), and Tanga (10,872). On the other hand, Pangani had the smallest number of households using grass/leaves as roofing materials (9,878). However, Pangani district had the highest percent of households with grass/leaves roofing (75%) followed by Mkinga (73%), Tanga (70%), Handeni (66%), Kilindi (41%), Muheza (39%), Korogwe (33%) while Lushoto had the lowest percent (12%)

Main Source of Water in Dry Season

Households relied on various sources of drinking water during the dry season. However, the main sources of drinking water during this season were piped water (24%) followed by unprotected wells (21%), surface water (20%), unprotected spring (17%) and protected well (10%) . Other sources of water were less significant.

Number of Meals

A large number of households (230,409, 69%) had eaten three meals per day. In contrast, 91,259 (28%) households had two meals per day while 9,110 (3%) ate only once. Specifically, Lushoto had the highest percent (above regional average) of 5% reporting to have eaten one meal while the rest recorded the number of meals below the regional average of households who had eaten one meal. Similarly, Mkinga had the highest percent (43%) of households who had had two meals followed by Tanga (39%), Lushoto (32%), Pangani (31%), and Kilindi (28%) while other districts had a lower percent than the regional average (28%). Only four out of 8 districts had households above the regional average (70%) who had three meals. These are Handeni (79%), Muheza (78%), Korogwe (76%), and Kilindi (71%).

Food Security

Lushoto had the highest percent of households that experienced food insecurity (23%) followed by Korogwe (13%), Handeni (12%), Muheza (9%), Kilindi (6%), Mkinga (5%), Tanga (4%) and Pangani (3%).

2.0 INTRODUCTION

This section provides technical and operational description of the National Sample Census of Agriculture (NSCA), carried out in the rural areas of Tanzania Mainland and Tanzania Zanzibar during the 2007/08 agricultural year. It details the background and the rationale for carrying out the NSCA in 2002/03 agricultural year. It also explains the sampling procedures, designing and implementation of the data processing system.

This report (Volume Vn) is among the 21 regional reports for the Mainland. Other Census reports include the Technical Report (Volume I), Crop Sector Report at National level (Volume II), Livestock Report at National level (Volume III), Large Scale Farms Report (Volume IV), Regional Reports (Volume Vi series), Zanzibar Livestock Report (Volume VI) and Zanzibar Crop Sector Report (Volume VII). Unlike the 2002/03 Agricultural Sample Census, the 2007/08 Sample Census does not have a separate report for Smallholder Household Characteristics and Access to Natural Resources Report. Other thematic reports will be produced depending on the demand and availability of funds.

This report is divided into five main sections; Background Information, Introduction, Census Results, District Profiles and Appendices. The definitions relating to all aspects of this report can be found in the questionnaire.

2.1 The 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 Tanzania Zanzibar by the 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. In this Master Plan, a series of Agricultural Censuses have been planned, the first one was undertaken in 2002/03 agricultural year and the second in 2007/08.

Demands for reliable and timely agricultural 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 the respective MDAs (ASLMs).

Following the decentralization of the Government's administration and planning functions, there has been a pressing need for agricultural and rural development data disaggregated at regional and district level. The provision of district level estimates will provide essential baseline information on the state of agriculture that supports 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 Agricultural Sample Census was designed to meet the data needs of a wide range of users down to the district level including policy makers at local, regional and national levels, rural development agencies, funding institutions, researchers, NGOs, farmers organizations, and the like. The dataset is both extensive in its sample and detailed in its scope and coverage to meet the user demand.

The census was carried out in order to:

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

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

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

2.2.1 Census Scope and Coverage.

The 2007/08 Agricultural Sample Census was conducted for both large and small scale farms. The data was collected from a sample of 52,635 small scale agricultural households of which 48,880 were from the Mainland and 4,755 from Zanzibar. To meet National estimates, data was also

collected from 1,006 Large Scale Farms (968 on the Mainland and 38 in Zanzibar) on a complete enumeration basis.

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

- Small scale farms questionnaire;
- Community questionnaire; and
- Large scale farm questionnaire.

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

- Household demographics and activities of the household members;
- Land access/ownership/tenure and use;
- Crop and livestock production and productivity;
- Access to inputs and farming implements;
- Access and use of credits;
- Crop marketing, storage;
- Fish farming;
- Investment activities: Irrigation structures, water harvesting, erosion control;
- Off farm income;
- Household living conditions (housing, sanitary facilities, etc);
- Livelihood constraints; and
- Poverty Indicators.

The community level questionnaire was designed to collect village data such as access and use of common resources, community tree plantation and seasonal farm gate prices.

Large Scale Farm questionnaire was administered to all the large scale farms either privately or corporately managed. However, the analysis of Large Scale Farms is presented in a separate report (Volume IV).

2.3 Census Methodology

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

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

2.3.1 Census Organization

The census was conducted by the National Bureau of Statistics (NBS) in collaboration with Ministries of Agriculture, Food Security and Cooperatives, Livestock and Fisheries Development; Water; Industry and Trade; and the Prime Minister's Office, Regional Administration and Local Government in Tanzania Mainland. The Office of the Chief Government Statistician, (OCGS), Ministries of Agriculture and Natural Resources, Livestock and Fisheries in Tanzania Zanzibar.

At the national level, the Census was headed by the Director General of the National Bureau of Statistics, Tanzania Mainland in collaboration with the Chief Government Statistician, Tanzania Zanzibar. The planning Group formed by the Director General of NBS and the Chief Government Statistician consisted of staff from the Department of Agriculture Statistics of NBS, Department of Economic Statistics of OCGS, Department of Policy and Planning of the Ministry of Agriculture,

Food Security and Cooperatives, Department of Policy and Planning of the Ministry of Livestock and Fisheries Development in the Mainland. Ministry of Livestock and Fisheries and the Ministry of Agriculture and Natural Resources in Zanzibar.

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

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

2.3.2 Tabulation Plan Preparation

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

2.3.3 Sample Design

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

and 4,755 agricultural households were covered. National wide, all regions and districts were sampled except four urban districts (three from Mainland and one from Zanzibar).

In both Mainland and Zanzibar, a two stage sample was used. The number of villages/Enumeration Areas (EAs) was selected for the first stage with a probability proportional to the number of villages/EAs in each district. In the second stage, 15 households were selected from a list of households in each village/EA using systematic random sampling. Table 1.1 gives the sample size of households, villages and districts for the Mainland and Zanzibar.

Table 2.1: Census Sample

Description	Mainland	Zanzibar	Total
Households	47,880	4,755	52,635
Villages/EAs	3,192	317	3,509
Districts	133	9	142
Regions	21	5	26

2.3.4 Questionnaire Design and Other Census Instruments

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

- Where feasible, all variables were extensively coded to reduce post enumeration coding errors;

- 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 the 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; and

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

Three other instruments were used:

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

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

- Enumerator's Instructions Manual was used as reference material.

2.3.5 Field Pilot-Testing of the Census Instruments

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

2.3.6 Training of Trainers, Supervisors and Enumerators

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

2.3.7 Information, Education and Communication (IEC) Campaign

Radios, televisions, newspapers, leaflets, t-shirts and caps were used to create awareness of the Agricultural Sample Census to the public. This strategy helped in sensitizing the public for the field level activities in order to increase the response rate. The t-shirts and caps were given to the field staff and the village chairpersons. The village chairpersons assisted to locate the selected households.

2.3.8 Data Collection

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

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

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

2.3.9 Field Supervision and Consistency Checks

Enumerators were trained to probe the respondents until they were satisfied with the responses before they recorded them in the questionnaire. The first check on the questionnaire was carried out by the enumerators in the field during enumeration, followed by District, Regional and National supervisors. Supervisory visits at all levels of supervision focused on checking the completeness of the questionnaires and consistency. Inconsistencies encountered were corrected, and where necessary, a call back to the respondent was made by the enumerator to obtain the correct information. Further quality control checks were made by the district supervisors.

2.3.10 Data Processing

Data processing involved the following process:

- Data entry;
- Data structure formatting;
- Batch validation; and
- Tabulation.

Data Entry

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

Prior to scanning, all the questionnaires underwent a manual cleaning exercise by checking that the questionnaire had a full set of pages, correct identification and good hand-writing. 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 the questionnaires that were rejected by the ICR extraction application.

Batch Validation

A batch validation program was developed in CSPro in order to identify inconsistencies within a questionnaire. This was in addition to the interactive validation during the ICR extraction process. The procedures varied from simple range checking within each variable to more complexes

checking between variables. After data cleaning, the tables were prepared based on a pre-designed tabulation plan.

Tabulation

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

Report Writing

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

Data Quality Control

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

2.4 Funding Arrangements

The 2007/08 Agricultural Sample Census was supported mainly by the Department for International Development (DFID) and the Japan International Cooperation Agency (JICA) which together, financed most of the operational activities. Other funds for the census activities were from the Government of Tanzania. In addition, technical assistance was provided by the Food and Agriculture Organisation (FAO).

3 Census Results

This part of the report presents results of the census data for Tanga region.

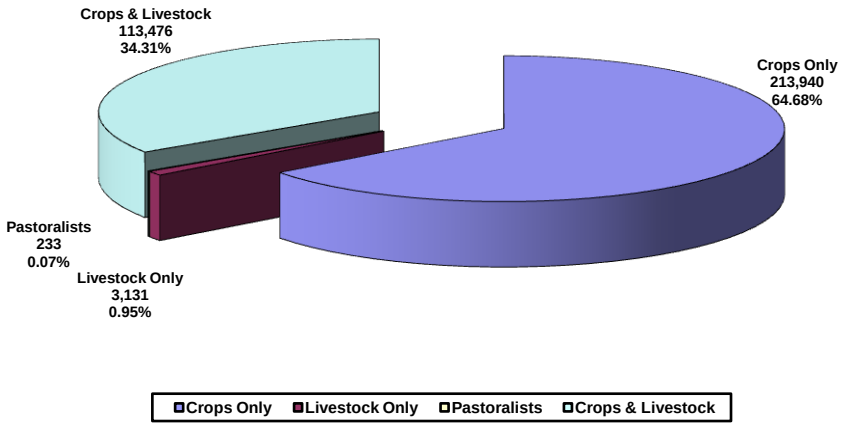
3.1 Household Characteristics

3.1.1 Type of households

A total of 330,779 agricultural households were covered in the census for Tanga region. The distribution of these households by district was as follows: Lushoto (94,075, 28%), Korogwe (56,898, 17%), Handeni (52,718, 16%), Muheza (41,779, 13%), Kilindi (33,977, 10%), Mkinga (22,581, 7%), Tanga (15,629, 5%) and Pangani (13,122, 4%). Of these (330,779) households majority 64.6% (213,940) were engaged in crop production only as the major agricultural activity compared to households engaged in mixed crop and livestock production (113,476 households, 34.3%), livestock only (3,131 households, 0.95%) and pastoralists (233 households, 0.1%) (Chart 3.1).

The first three districts with the largest number of households engaged in growing crop only were Lushoto (45,296) followed by Korogwe (40,882) and Handeni (36,317). The smallest number of households growing crop only was recorded in Pangani with 10,570 households. Districts with the largest number of households engaged in livestock only were Mkinga (725) followed by Tanga (589) and Muheza (516). Pastoralists were reported for only three districts - Korogwe, Mkinga, and Pangani.

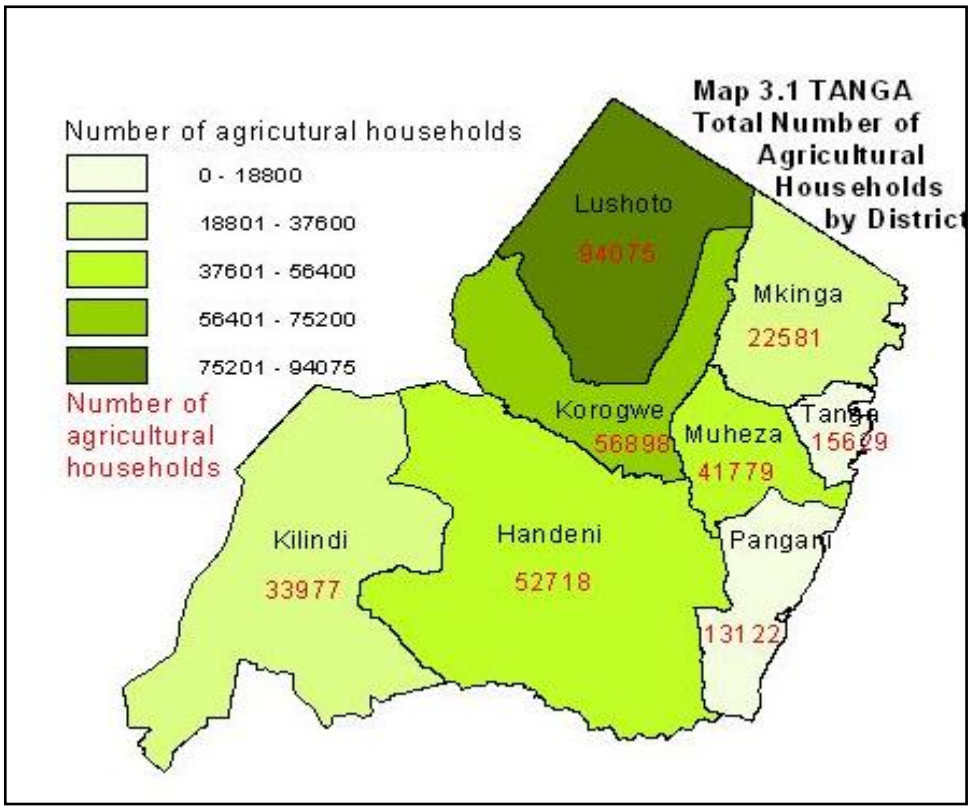
Chart 3.1: Agricultural Households by Type

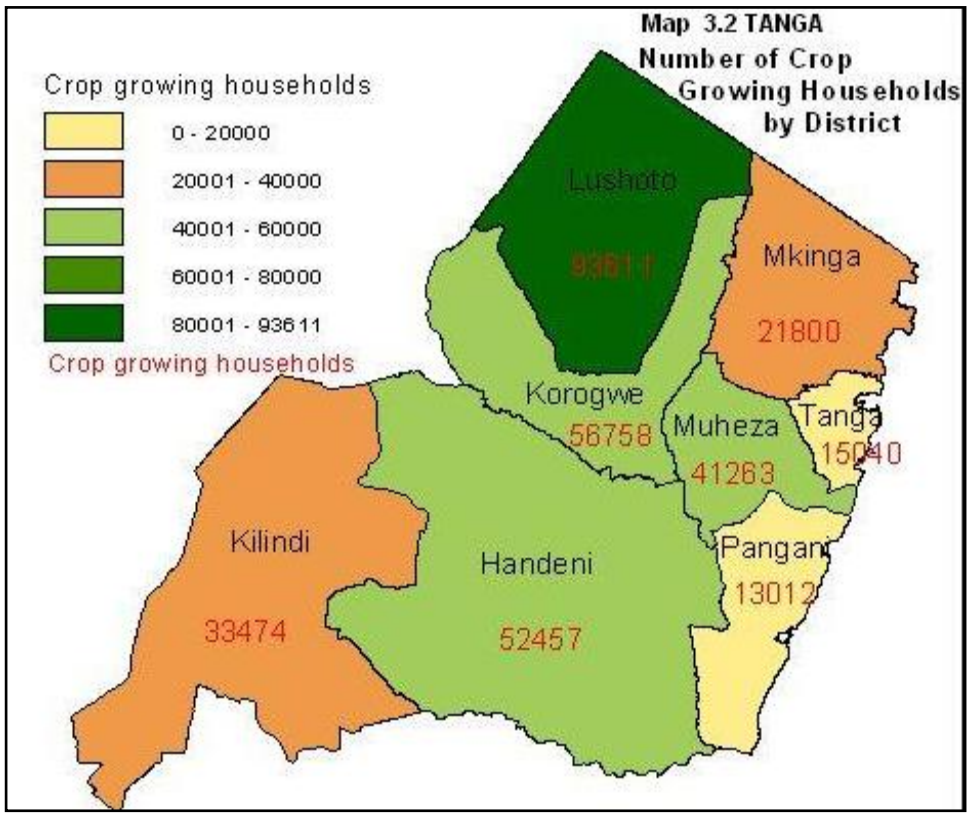


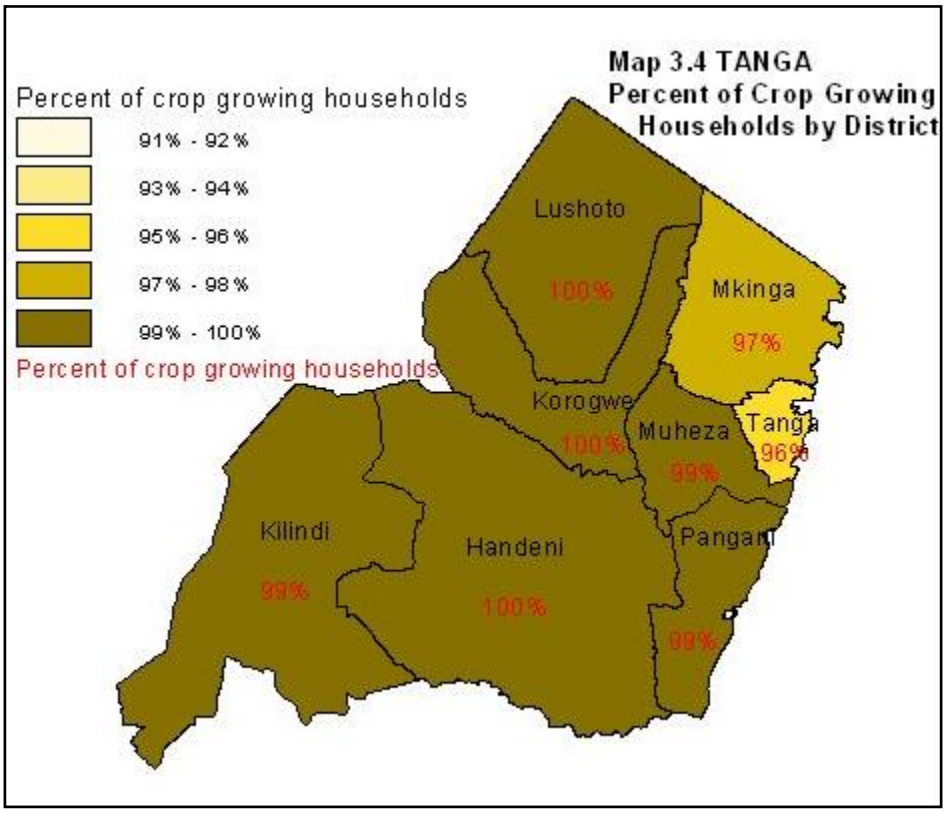
The largest number of households engaged in mixed crop and livestock production were found in Lushoto (48,315) followed by Handeni (16,141) and Korogwe (15,875). Other districts each had less than

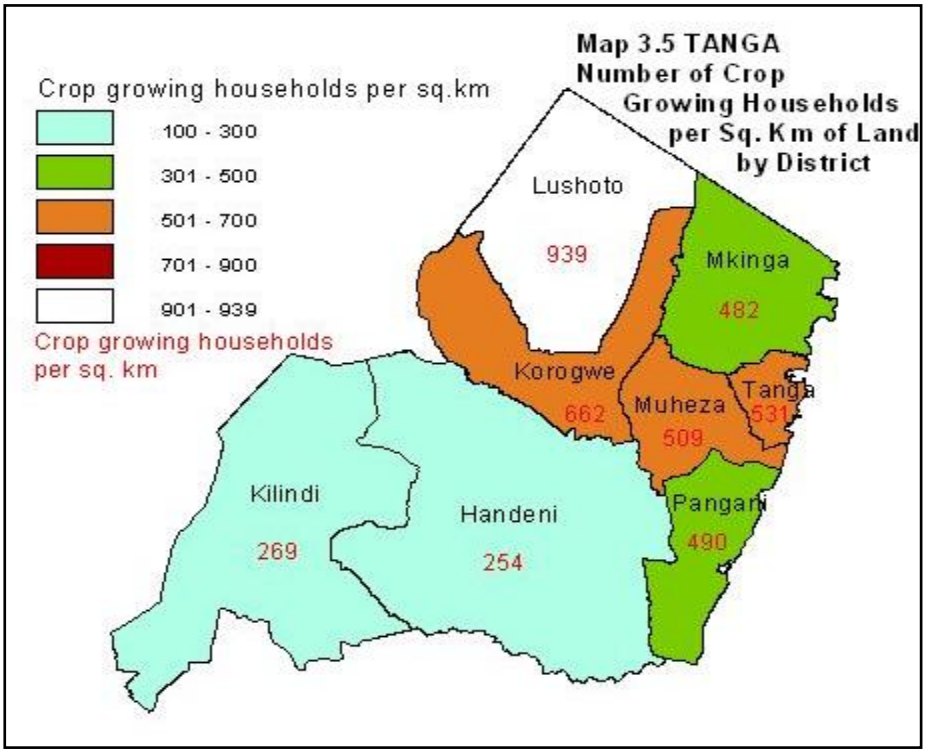
15,000 households practicing crop and livestock production (Map 3.1).

The highest density of households per square km was recorded in Tanga district (130/km^2) followed by Lushoto (69/km^2). The density of households per square km in other remaining districts was less than 50/km^2. In contrast, Kilindi had the lowest density of agricultural households in the region (15/km^2) (Map 3.2). Besides, Lushoto had the largest number of crop growing households ((93,611) followed by Korogwe (56,758), Handeni (52,457), Muheza (41,263), and Kilindi (33,474) while Pangani had the smallest number of crop growing households 13,012 (Map 3.3). Regarding percent of crop growing households by district, Lushoto, Korogwe and Handeni recorded the highest percent (100%) indicating all households were growing crops while Tanga (96%) recorded the lowest percent of crop growing households (Map 3.4). The highest density of crop growing only households was recorded in Tanga (125/km^2) followed by Lushoto (68/km^2). Other districts recorded densities of less than 50/km^2 while Kilindi (15/km^2) had the lowest density of crop growing only households (Map 3.5). Also all districts practiced both livestock and crop production (Map 3.6).


Map 3.1 TANGA
Total Number of Agricultural Households by District
Number of agricutural households
0 - 18800
18801 - 37600
37601 - 56400
56401 - 75200
75201 - 94075
Number of agricultural households
Lushoto
94075
Mkinga
22581
Korogwe
56898
Muheza
41779
Tanga
15609
Kilindi
33977
Handeni
52718
Pangani
13122


Map 3.2 TANGA
Number of Crop Growing Households by District
Crop growing households
0 - 20000
20001 - 40000
40001 - 60000
60001 - 80000
80001 - 93611
Crop growing households
Lushoto
93611
Mkinga
21800
Korogwe
56758
Muheza
41263
Tanga
15040
Kilindi
33474
Handeni
52457
Pangani
13012


Map 3.4 TANGA
Percent of Crop Growing Households by District
Percent of crop growing households
91% - 92%
93% - 94%
95% - 96%
97% - 98%
99% - 100%
Percent of crop growing households
Lushoto
100%
Mkinga
97%
Korogwe
100%
Muheza
99%
Tanga
96%
Kilindi
99%
Handeni
100%
Pangani
99%


Map 3.5 TANGA
Number of Crop Growing Households per Sq. Km of Land by District
Crop growing households per sq.km
100 - 300
301 - 500
501 - 700
701 - 900
901 - 939
Crop growing households per sq. km
Lushoto
939
Mkinga
482
Korogwe
662
Muheza
509
Tanga
531
Kilindi
269
Handeni
254
Pangani
490

3.1.2 Livelihood Activities/Source of Income

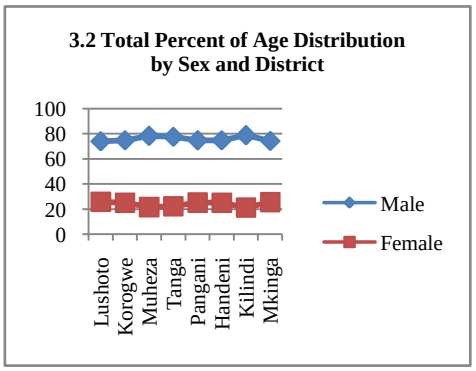
Households carried out various livelihood activities (Table 3.1). In general, crop/seaweed farming provided the most important source of income (46%) followed by livestock keeping/herding. Other activities were not important sources of income. With reference to crop/seaweed farming, Lushoto District accounted for 51% of households engaged in crop farming closely followed by Kilindi (50%). Other districts registered less than 50% of households involved in crop farming.

Table 3.1: Main Livelihood Activities

District	Main Livelihood Activities									
	Crop/Seaweed Farming		Livestock Keeping / Herding		Livestock Pastoralist		Fishing		Fish Farming	
	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	196,745	51	465	0	0	0	232	0	232	0
Korogwe	113,234	46	4,496	2	0	0	281	0	140	0
Muheza	77,265	45	2,166	1	103	0	413	0	0	0
Tanga	21,518	32	2,628	4	45	0	2,310	3	45	0
Pangani	18,808	36	1,349	3	73	0	1,422	3	36	0
Handeni	109,080	48	1,562	1	130	0	0	0	0	0
Kilindi	75,337	50	6,124	4	0	0	0	0	0	0
Mkinga	39,363	39	4,126	4	446	0	1,561	2	0	0
Total	**651,351**	**46**	**22,915**	**2**	**798**	**0**	**6,219**	**0**	**455**	**0**

Households by Headship Type

Out of a total of 330,779 households, 76% (249,885) were male-headed while female-headed were only 24% (80,893). Specifically, majority of households in Lushoto, Korogwe, Handeni, Muheza, Kilindi and Mkinga were headed by males.



3.1.3 Population by Age and Sex

Out of a total of 1,615,867 household members, female household members accounted for 51% (824,679) while male household members were only 49% (791,188). The highest percentage (56%) of male household members was in two age categories, namely 55-59 and 75-79 years. On the other hand, the lowest percentage (39%) of male household members was in the age category of 25-29 years.

Regarding female household members, the lowest percentage of them were in the age categories of 55-59 and 75-79 while the highest percent was in 30-34 years age band (Chart 3.3).

3.1.4 Level of Education

Literacy

Level of literacy was determined based on one's ability to read and write Swahili, English or both and any other language. Tanga region had a literacy rate of 75% (1,053,084) while illiteracy rate (those who could not read and write) was 25% (351,729). It is also shown that 69.6% (978,415) were literate in Kiswahili, 73,858 (5.3%) were literate in both Kiswahili and English, and only 0.1% (810) were literate in other languages.

Districts which recorded a literacy rate above the regional average were Muheza (81.6%), Tanga (80.5%), Pangani (79.6%), Lushoto (78.4%), and Korogwe (77%) while Kilindi at 62.1 recorded the lowest literacy level in the region. On the other hand, the highest illiteracy level was recorded in Kilindi (37.9%) while the lowest illiteracy level was recorded in Muheza (18.4%).

Furthermore, Tanga recorded the highest literacy rate in Swahili (74.8%), while the lowest literacy rate was achieved in Kilindi (59.2%). When both Swahili and English are combined, the data show that Muheza had the highest percentage of literacy rate (7.1%) and the lowest literacy rate in this category was recorded in Kilindi (2.9%) (Table 3.2**).**

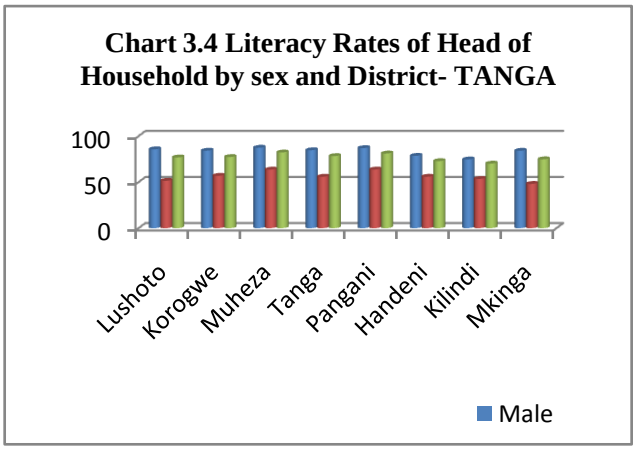


Table 3.2 Household Demographs: Number of Household Members Who Can Read and Write languages by type of language and District

District	Swahili		Swahili & English		Any Other Language		Don't Read / Write		Read and Write		Total
	Number	%	Number	%	Number	%	Number	%	Number	%	
Lushoto	281,994	73.0	20,441	5.3	232	0.06	83,623	21.6	302,667	78.4	386,290
Korogwe	174,768	71.2	14,189	5.8	140	0.06	56,336	23.0	189,098	77.0	245,434
Muheza	127,503	74.4	12,173	7.1	103	0.06	31,566	18.4	139,779	81.6	171,345
Tanga	50,919	74.8	3,851	5.7	0	0.00	13,273	19.5	54,770	80.5	68,044
Pangani	38,199	73.3	3,244	6.2	36	0.07	10,607	20.4	41,479	79.6	52,086
Handeni	145,266	63.6	10,413	4.6	130	0.06	72,763	31.8	155,810	68.2	228,573
Kilindi	89,347	59.2	4,362	2.9	0	0.00	57,299	37.9	93,709	62.1	151,009
Mkinga	70,419	69.0	5,185	5.1	167	0.16	26,261	25.7	75,771	74.3	102,032
Total	**978,415**	69.6	**73,858**	5.3	**810**	0.06	**351,729**	25.0	1,053,084	75.0	1,404,813

3.2 Land Use

Land area and planted area are two different types of area measurements. Land area is defined as the physical area of land and is the same regardless of the number of crops planted on the land in one year. Planted area is the total area of crops planted in a year and the area is summed if there were more than one crop on the same land per year. On the other hand, utilised land refers to the land that was used during the year.

3.2.1 Area of Land Utilized

Generally, in Tanga region utilization of land area was about 87%. In Muheza, Tanga and Lushoto land utilization was recorded as 95%, 93% and 92% respectively. These were followed by Pangani (88%), Korogwe (86%), Mkinga and Kilindi (85%) (Map 3.7).

3.2.2 Types of Land Use

The area of land under temporary monocrop was 264,887 hectares (38%) of the total land available to smallholders in Tanga, followed by area under temporary mixed crops (82,540 ha, 25%), uncultivatable usable land (127,923 ha, 18%), area under fallow (66,870 ha, 10%), area under permernent mono crops (43,526 ha, 6%), permanent/annual mix (39,643 ha, 5.7%), and temporary mixed crops (30,045ha, 4.3%). Overall, other types of land use including unusable area, area rented to others, area planted with trees), area under natural bush and area under pasture ranged from 0 to 2 percent.

3.3 Annual Crop and Vegetable Production

3.3.1 Planted Area

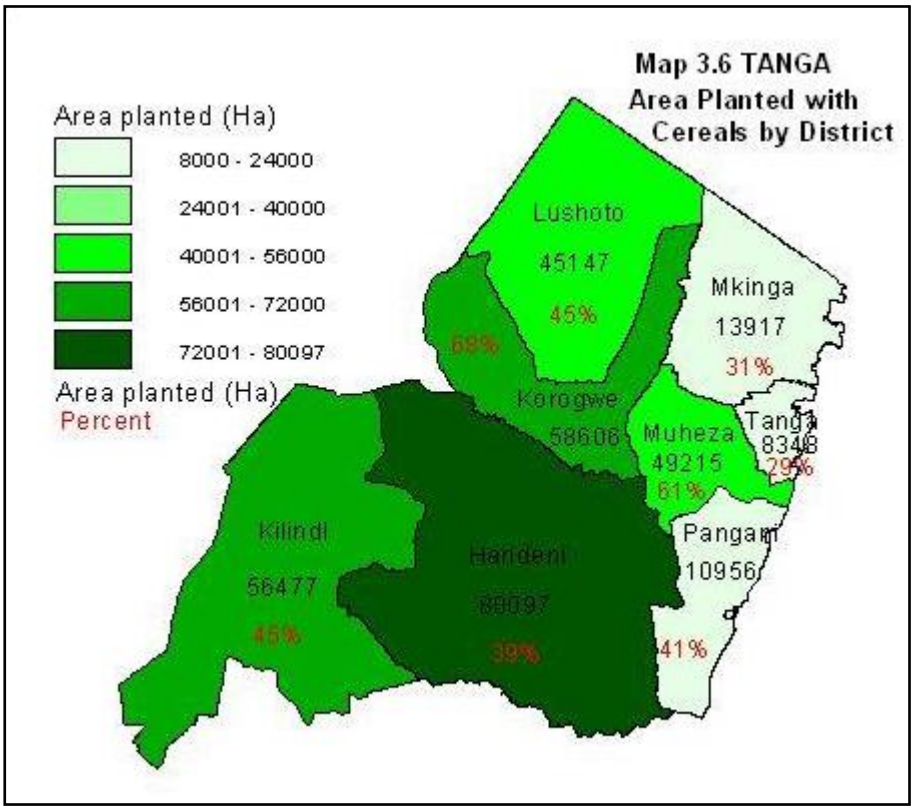
The total area planted with annual crops and vegetables was 436,725 ha. Out of this area Lushoto had the largest planted area (96,426 ha) followed by Handeni (96,339 ha) while Tanga recorded the smallest planted area (9,251 ha). Other districts recorded the following planted area: Kilindi (79,064), Korogwe (69,812), Muheza (55,842) Mkinga (17,288), Pangani (12,703) and Tanga (9,251) (Map 3.8).

Out of the total planted area, 40.88% was planted during the dry season with Lushoto accounting for the highest percent area (71%) followed by Mkinga (64%). In other districts percent area

planted during the dry season ranged from 19% to 41%. In fact, Korogwe recorded the lowest percent area planted during the dry season (Map 3.9).

3.3.2 Cereal Crop Production

Of the total area planted with cereals (322,763 ha), Handeni recorded the largest area (80,097 ha) followed by Korogwe (58,606 ha), and Kilindi (56,477 ha). In other remaining districts areas planted with cereals were less than 50,000 ha. Of all the districts, Tanga had the smallest area planted with cereals (8,348 ha). In terms of percent area planted with cereals, the three leading districts were Tanga (90%), Muheza (88%), Pangani (86%), Korogwe (84%), Mkinga (81), Kilindi (71%) and Lushoto (47%), indicating that Lushoto had the lowest percent area planted with cereals (Map 3.6).



3.3.3.1 Maize

Maize was grown in all districts in Tanga. In all, a total area of 315,882 ha was planted with maize. Handeni had the largest area planted with maize (79,794 ha) followed by Kilindi (55,896 ha), and Korogwe (54,273 ha). Other districts had less than 50,000 ha planted with maize. Also, Tanga had the smallest area planted with maize (7,896 ha). The area planted per maize growing households showed that the largest area was recorded in Kilindi (1.33 ha) followed by Handeni (1.18). On the other hand, Lushoto had the smallest area of maize per household growing area (0.46 ha).

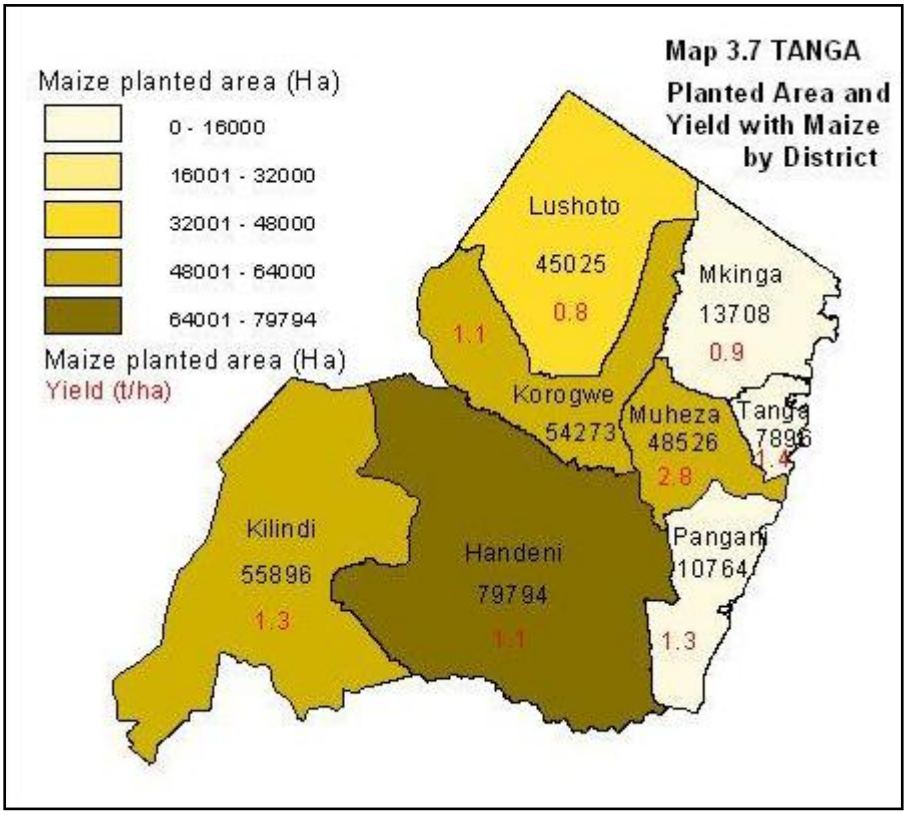
Of all districts, the highest yield of maize (2.8 ton/ha) was recorded in Muheza followed by Tanga (1.4.ton/ha), Pangani and Kilindi with each recording 1.3 ton/ha. On the other hand, Lushoto recorded the lowest yield (0.8 ton/ha) (Map 3.11).

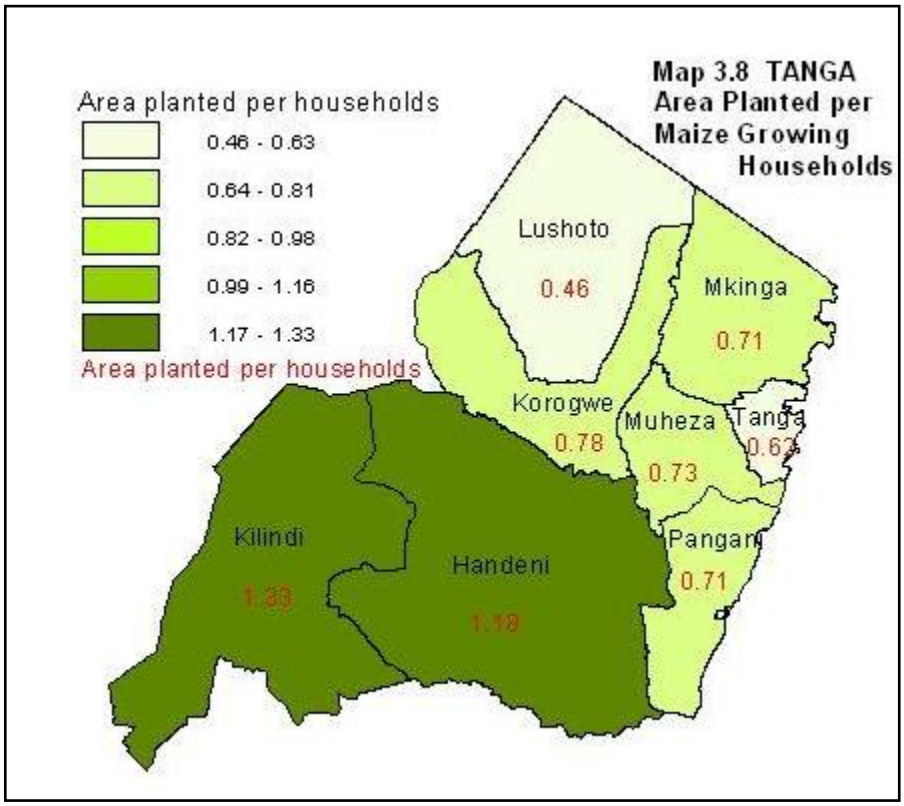
3.3.3.2 Paddy

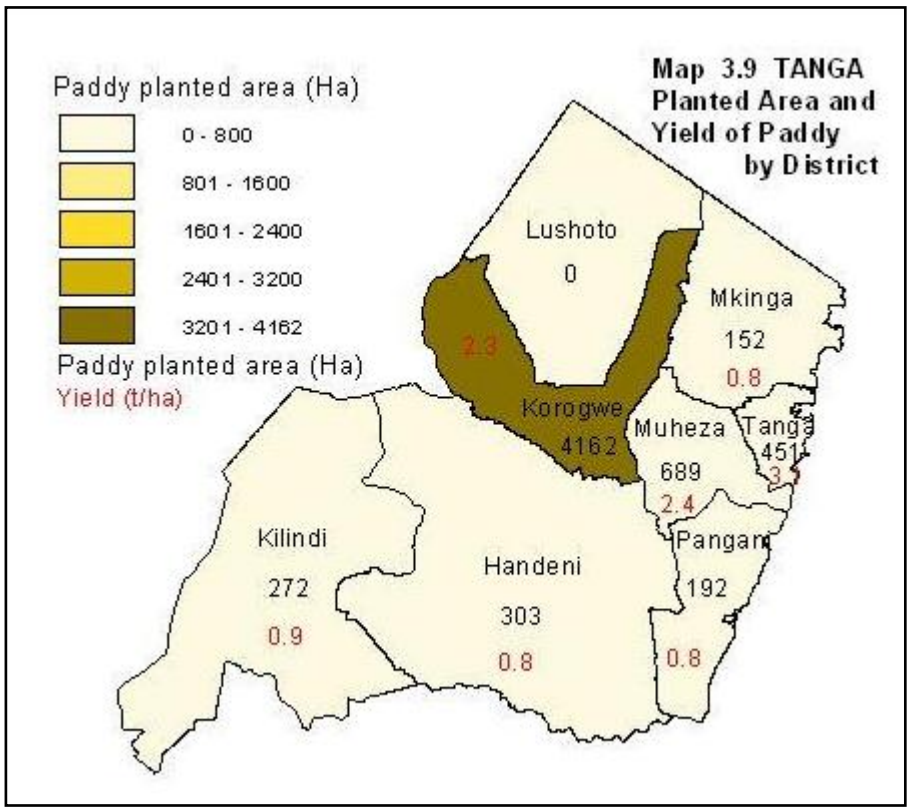
Except for Lushoto paddy was grown in all districts in Tanga region with Korogwe recording the largest area planted with paddy (4,162 ha) followed by Muheza (689 ha), Handeni (303 ha). Other districts recorded much smaller areas planted with paddy. Regarding yield the records for were as follows: Muheza (2.4 ton/ha), Korogwe (2.3 ton/ha) and in other districts yield ranged from 0.8 - 0.9 ton/ha. Area planted per paddy growing households varied across districts from as large as 6.6 ha (Korogwe) to as small as 2.6 ha (Handeni) (Map 3. 12).

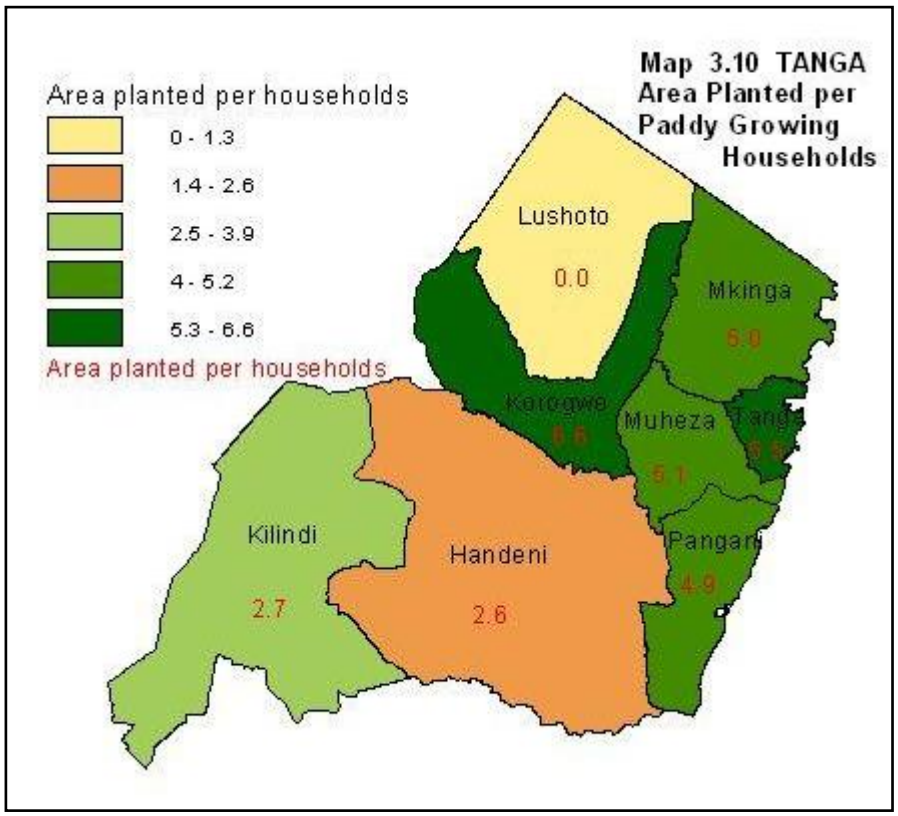
3.3.4 Cassava

Muheza recorded the largest area planted with cassava (9,035 ha) followed by Tanga (7,658 ha), Mkinga (6,259 ha), Lushoto (5,282 ha), Korogwe (3,646 ha), Pangani (2,185 ha), Handeni (1,833 ha), and Kilindi (1,056).The highest crop yield was reported for Korogwe (2.8 ton/ha) followed by Handeni (2.7 ton/ha) and Pangani (2.5 ton/ha). In other districts, yields ranged from 1.5 ton/ha to 2.0 ton/ha). The largest planted area per cassava growing households was recorded in Tanga (0.9 ha) followed by Muheza (0.7), Pangani and Mkinga (0.6 ha), Handeni and Kilindi (0.5 ha) Lushoto (0.4 ha) and Korogwe (0.3 ha) (Map 3.13).


Map 3.7 TANGA
Planted Area and Yield with Maize by District
Maize planted area (Ha)
0 - 16000
16001 - 32000
32001 - 48000
48001 - 64000
64001 - 79794
Maize planted area (Ha)
Yield (t/ha)
Lushoto
45025
0.8
1.1
Mkinga
13708
0.9
Korogwe
54273
Muheza
48526
2.8
Tanga
7896
1.4
Kilindi
55896
1.3
Handeni
79794
1.1
Pangani
10764
1.3


Map 3.8 TANGA
Area Planted per Maize Growing Households
Area planted per households
0.46 - 0.63
0.64 - 0.81
0.82 - 0.98
0.99 - 1.16
1.17 - 1.33
Area planted per households
Lushoto
0.46
Mkinga
0.71
Korogwe
0.78
Muheza
0.73
Tanga
0.63
Kilindi
1.33
Handeni
1.19
Pangani
0.71


Map 3.9 TANGA
Planted Area and
Yield of Paddy
by District
Paddy planted area (Ha)
0 - 800
801 - 1600
1601 - 2400
2401 - 3200
3201 - 4162
Paddy planted area (Ha)
Yield (t/ha)
Lushoto
0
Mkinga
152
0.8
Korogwe
4162
Muheza
689
2.4
Tanga
451
Pangani
192
Kilindi
272
0.9
Handeni
303
0.8
0.8

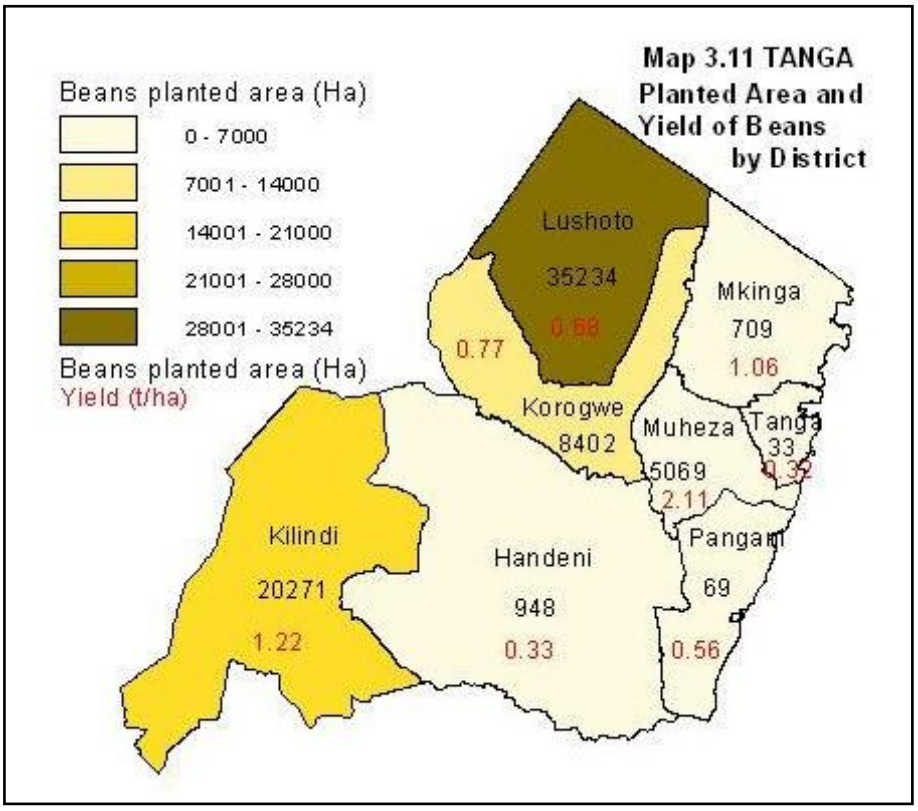

Map 3.10 TANGA
Area Planted per
Paddy Growing
Households
Area planted per households
0 - 1.3
1.4 - 2.6
2.5 - 3.9
4 - 5.2
5.3 - 6.6
Area planted per households
Lushoto
0.0
Mkinga
Korogwe
Muheza
Pangani
Kilindi
2.7
Handeni
2.6

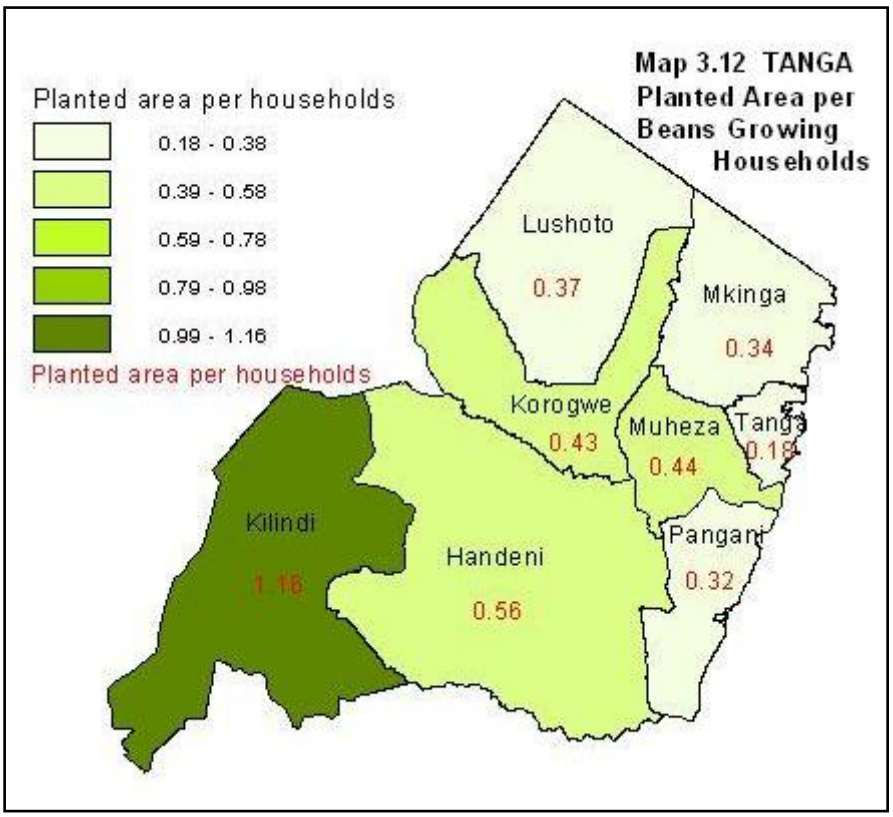
3.3.5 Beans

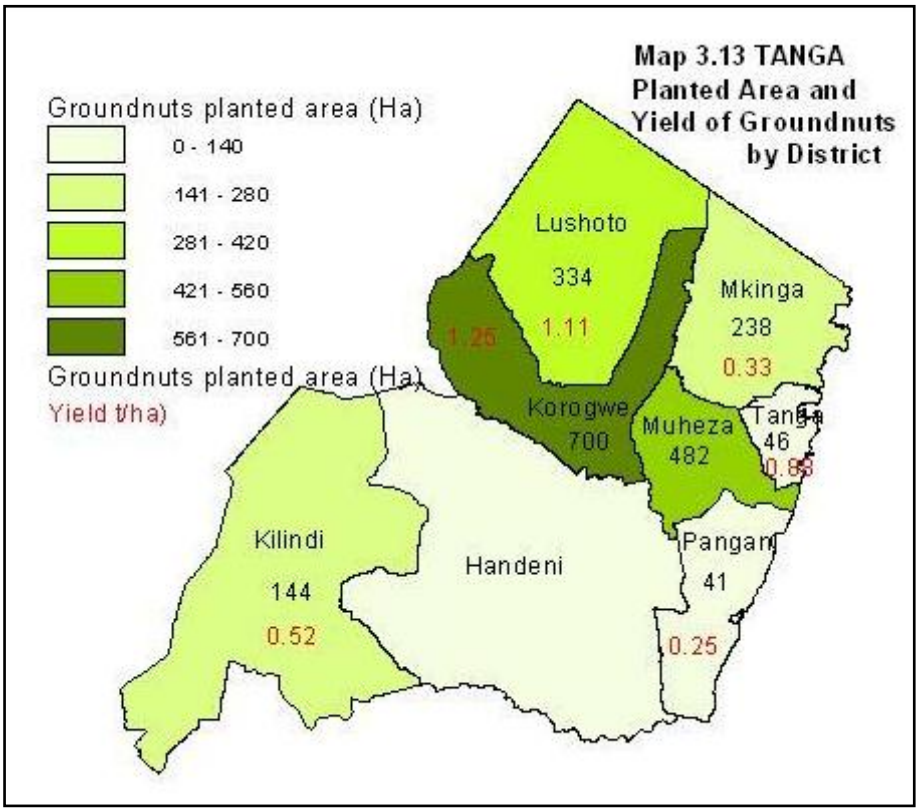
A total of 70,735 ha were planted with beans with the largest area recorded in Lushoto (35,234 ha) while Tanga had the smallest area (33 ha). Other districts with significant areas planted with beans were Kilindi (20,271 ha) followed by Korogwe (8,402) and Muheza (5,069 ha). Yields of beans varied across districts. Muheza recorded the highest yield (2.11 ton/ha) followed by Kilindi (1.22 ton/ha) and Mkinga (1.06 ton/ha) while the lowest yield was recorded in Tanga (0.32 ton/ha) (Map 3.14). In terms of planted area per beans growing households, Handeni recorded the largest area (0.56 ha) followed by Muheza (0.44 ha), Korogwe (0.43 ha) while Kilindi recorded the smallest area (1.16 ha) (Map 3.15).

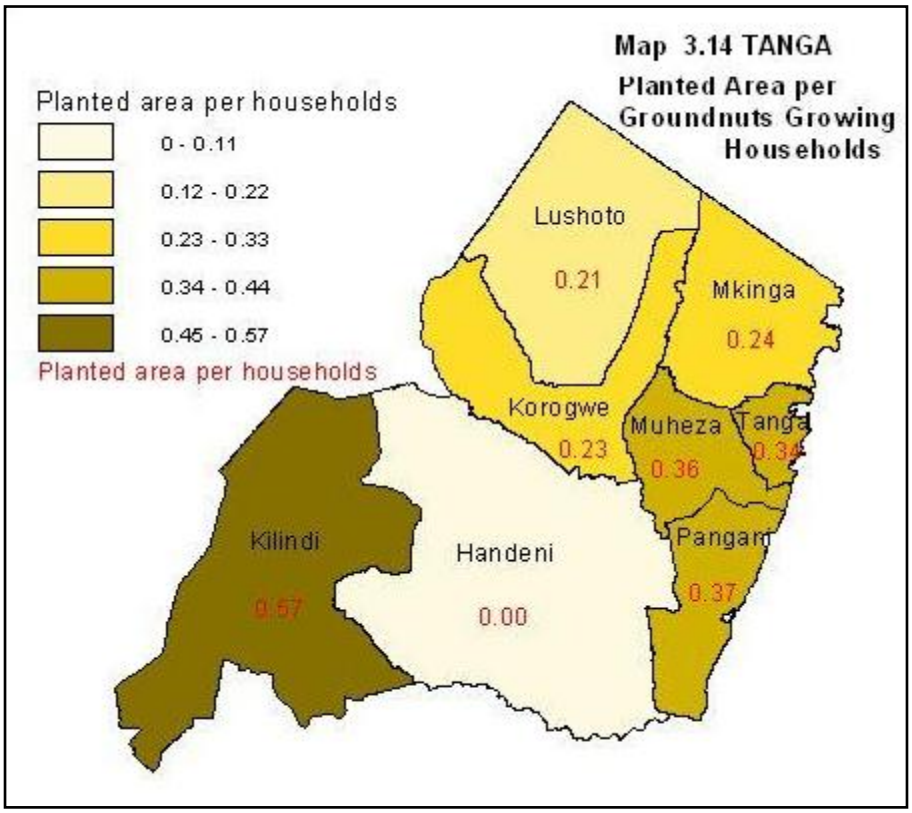
3.3.6 Groundnuts

With the exception of Handeni groundnuts were grown in all districts in Tanga region and the total area planted with the crop was 1,985 ha. Korogwe had the largest area planted with groundnuts (700 ha) followed by Muheza (482 ha), Lushoto (334 ha) while other districts had much smaller areas planted with the crop. Yield records show that the highest yield was obtained in Korogwe (1.25 ton/ha) followed by Lushoto (1.11 ton/ha) and the lowest yield was recorded in Pangani (0.25 ton/ha) (Map 3.16). The largest area planted per groundnut growing households was recorded in Kilindi (0.57 ha) while Lushoto had the smallest area planted with groundnuts (0.21 ha) (Map 3.17).


Map 3.11 TANGA
Planted Area and
Yield of Beans
by District
Beans planted area (Ha)
0 - 7000
7001 - 14000
14001 - 21000
21001 - 28000
28001 - 35234
Beans planted area (Ha)
Yield (t/ha)
Lushoto
35234
0.88
0.77
Mkinga
709
1.06
Korogwe
8402
Muheza
5069
2.11
Tanga
33
0.32
Pangani
69
0.56
Kilindi
20271
1.22
Handeni
948
0.33


Map 3.12 TANGA
Planted Area per
Beans Growing
Households
Planted area per households
0.18 - 0.38
0.39 - 0.58
0.59 - 0.78
0.79 - 0.98
0.99 - 1.16
Planted area per households
Lushoto
0.37
Mkinga
0.34
Korogwe
0.43
Muheza
0.44
Tanga
0.18
Pangani
0.32
Kilindi
1.16
Handeni
0.56


Map 3.13 TANGA
Planted Area and
Yield of Groundnuts
by District
Groundnuts planted area (Ha)
0 - 140
141 - 280
281 - 420
421 - 560
561 - 700
Groundnuts planted area (Ha)
Yield t/ha)
Lushoto
334
1.11
1.25
Mkinga
238
0.33
Korogwe
700
Muheza
482
Tanga
46
Kilindi
144
0.52
Handeni
Pangani
41
0.25


Map 3.14 TANGA
Planted Area per
Groundnuts Growing
Households
Planted area per households
0 - 0.11
0.12 - 0.22
0.23 - 0.33
0.34 - 0.44
0.45 - 0.57
Planted area per households
Lushoto
0.21
Mkinga
0.24
Korogwe
0.23
Muheza
0.36
Tanga
0.34
Kilindi
0.57
Handeni
0.00
Pangani
0.37

3.3.7 Fruit and Vegetable Production

3.3.7.1 Tomatoes

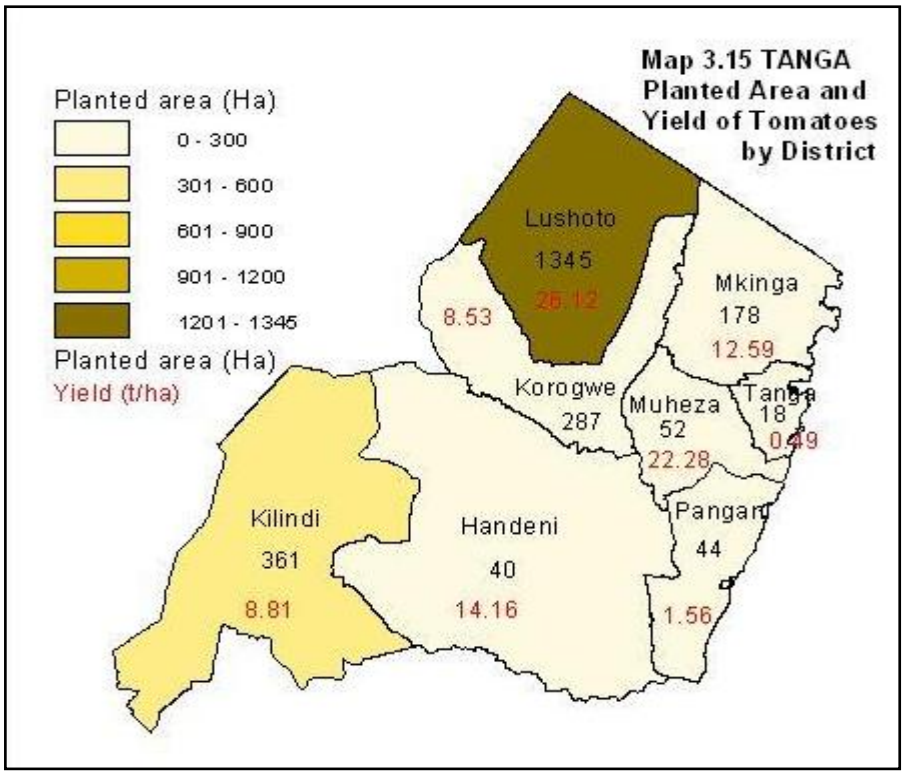
Lushoto district had the largest planted area with tomatoes (1345 ha) representing 58% of the total area planted with tomatoes (2,325 ha) in the region followed by Korogwe (287 ha) while other districts had much smaller areas planted with the crop. On the other hand, the highest yield of tomatoes was obtained in Lushoto (26 ton/ha) followed by Muheza (22.3 ton/ha), Handeni (14.2 ton/ha) and Mkinga (12.6 ton/ha). Yields of tomatoes in other districts were much lower with the lowest recorded in Tanga (0.49 ton/ha) (Map 3.18). Planted area per tomatoes growing households varied across districts with Tanga and Pangani (0.40) having the largest are while Muheza had the smallest (0.13 ha) (Map 3.19)

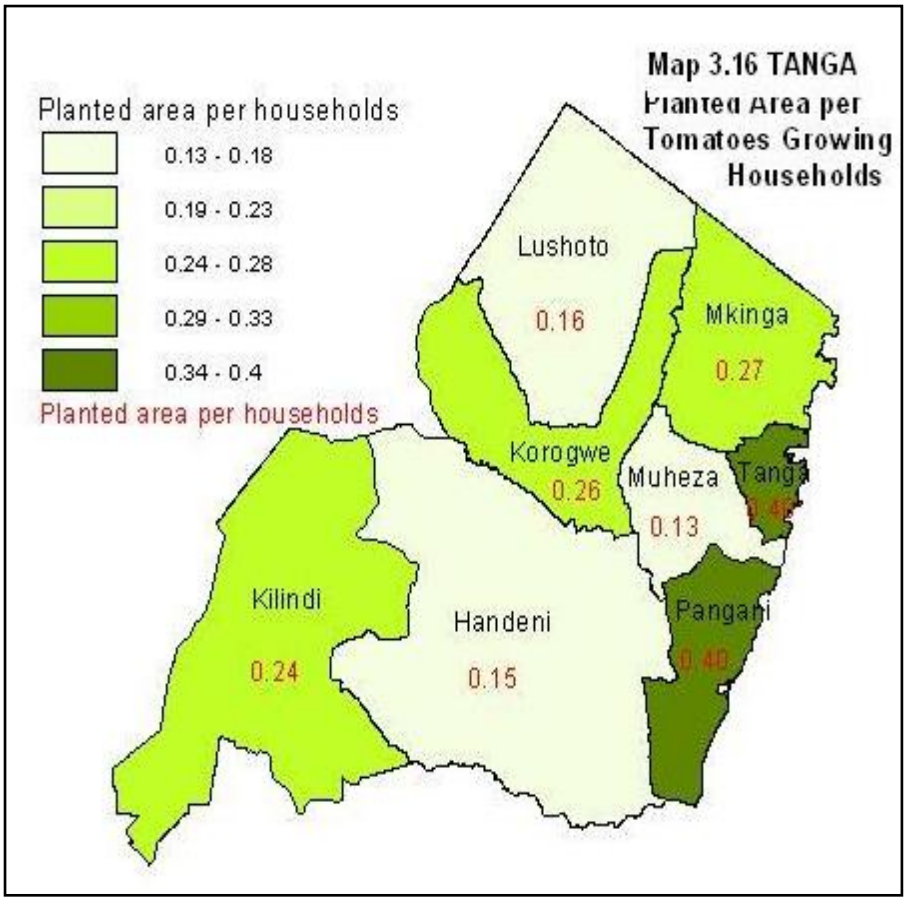
3.3.7.2 Cabbage

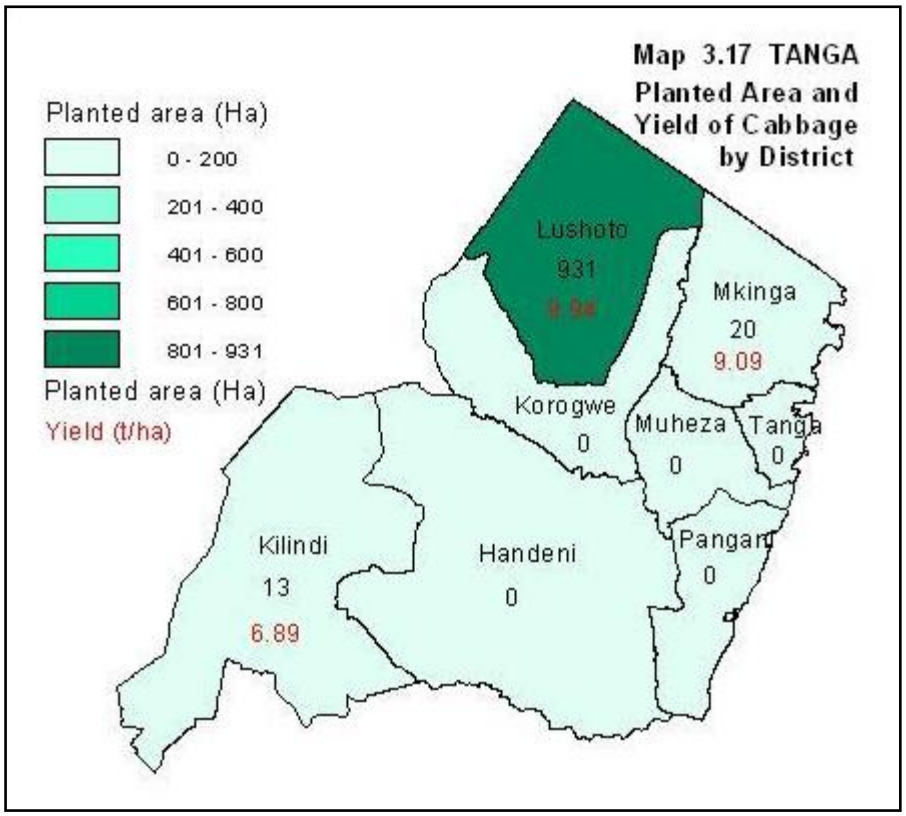
Lushoto district had the largest are planted with cabbage (931 ha) accounting for 96.6% of the total area planted with cabbage in the region while Mkinga (20 ha) and Kilindi (13 ha) had small areas planted with cabbage. Regarding yield, Lushoto had the highest yield (9.94 ton/ha) followed by Mkinga (9.09 ton/ha) while the lowest yield was recorded in Kilindi (6.89 ton/ha) (Map 2. 20). On the other hand, Lushoto had the largest planted area per cabbage growing households (0.22 ha) closely followed by Mkinga (0.12 ha) and Kilindi (0.08 ha) (Map 3.21).

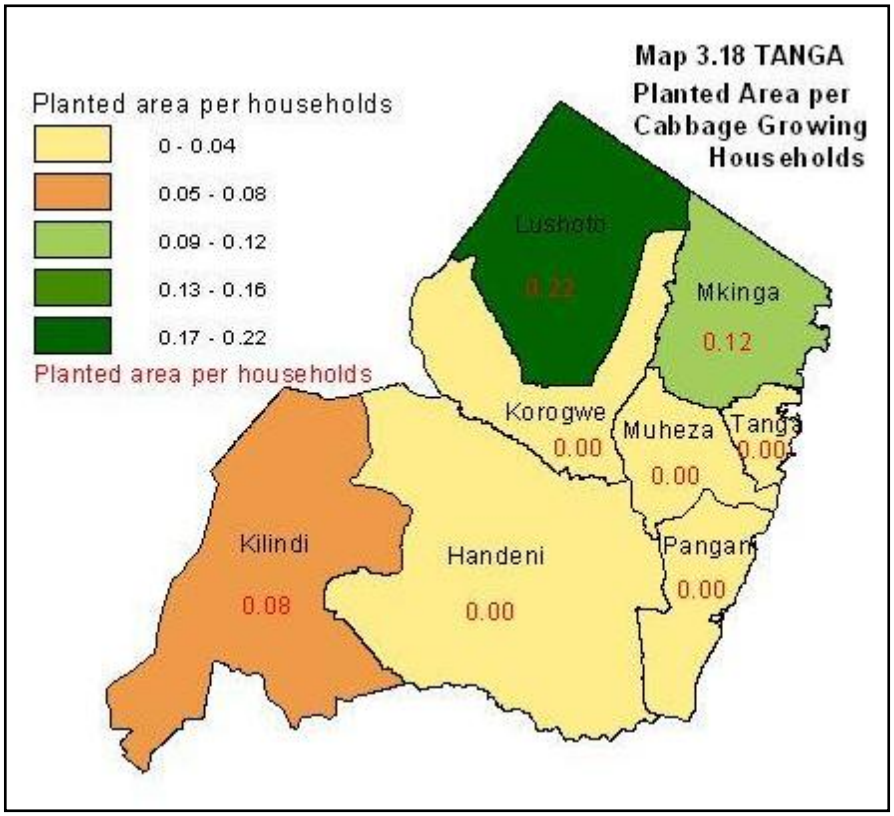
3.3.7.3 Chillies

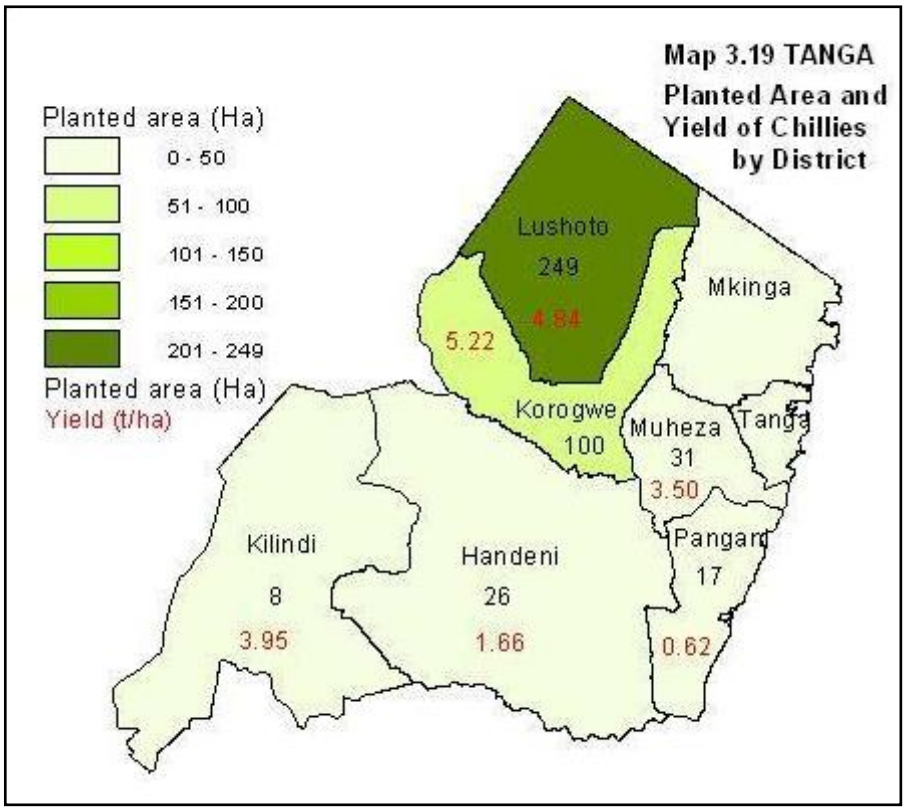
Lushoto district had the largest planted area with chillies (249 ha), which accounted for 57.8% of the total planted area with chillies followed by Korogwe (100 ha, 23.2%). In other districts areas planted with chillies were quite small. In terms of yield, Korogwe recorded the highest yield (5.22 ton/ha) while the smallest yield was obtained in Pangani (.062 ton/ha) (Map 3.22). Furthermore, the largest planted area per chillies growing households was recorded in Muheza (0.30 ha) and Kilindi had the smallest area (0.10 ha) (Map 3.23).

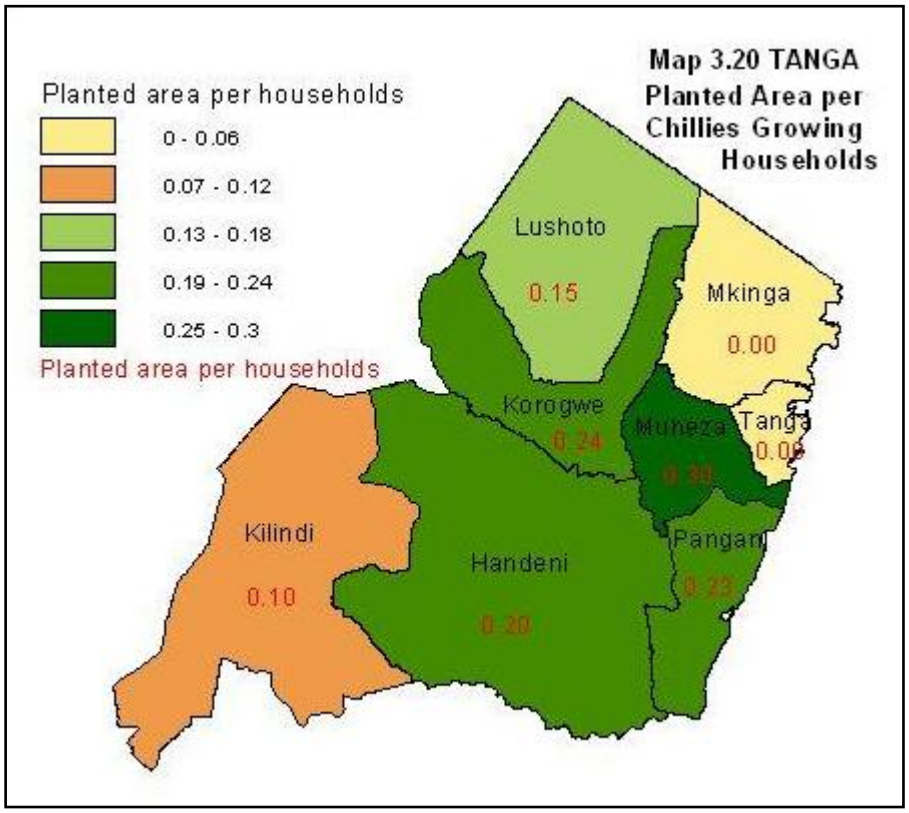

Map 3.15 TANGA
Planted Area and
Yield of Tomatoes
by District
Planted area (Ha)
0 - 300
301 - 600
601 - 900
901 - 1200
1201 - 1345
Planted area (Ha)
Yield (t/ha)
Lushoto
1345
26.12
8.53
Mkinga
178
12.59
Korogwe
287
Muheza
52
22.28
Tanga
18
0.49
Pangani
44
1.56
Kilindi
361
8.81
Handeni
40
14.16


Map 3.16 TANGA
Planted Area per
Tomatoes Growing
Households
Planted area per households
0.13 - 0.18
0.19 - 0.23
0.24 - 0.28
0.29 - 0.33
0.34 - 0.4
Planted area per households
Lushoto
0.16
Mkinga
0.27
Korogwe
0.26
Muheza
0.13
Tanga
Pangani
0.40
Kilindi
0.24
Handeni
0.15


Map 3.17 TANGA
Planted Area and
Yield of Cabbage
by District
Planted area (Ha)
0 - 200
201 - 400
401 - 600
601 - 800
801 - 931
Planted area (Ha)
Yield (t/ha)
Lushoto
931
Mkinga
20
9.09
Korogwe
0
Muheza
0
Tanga
0
Kilindi
13
6.89
Handeni
0
Pangani
0


Map 3.18 TANGA
Planted Area per
Cabbage Growing
Households
Planted area per households
0 - 0.04
0.05 - 0.08
0.09 - 0.12
0.13 - 0.16
0.17 - 0.22
Planted area per households
Lushoto
Mkinga
0.12
Korogwe
0.00
Muheza
0.00
Tanga
0.00
Kilindi
0.08
Handeni
0.00
Pangani
0.00


Map 3.19 TANGA
Planted Area and Yield of Chillies by District
Planted area (Ha)
0 - 50
51 - 100
101 - 150
151 - 200
201 - 249
Planted area (Ha)
Yield (t/ha)
Lushoto
249
4.84
5.22
Mkinga
Korogwe
100
Muheza
31
3.50
Tanga
Pangani
17
0.62
Kilindi
8
3.95
Handeni
26
1.66


Map 3.20 TANGA
Planted Area per Chillies Growing Households
Planted area per households
0 - 0.06
0.07 - 0.12
0.13 - 0.18
0.19 - 0.24
0.25 - 0.3
Planted area per households
Lushoto
0.15
Mkinga
0.00
Korogwe
0.24
Muheza
0.30
Tanga
0.00
Pangani
0.23
Kilindi
0.10
Handeni
0.20

3.3.8 Other Crops

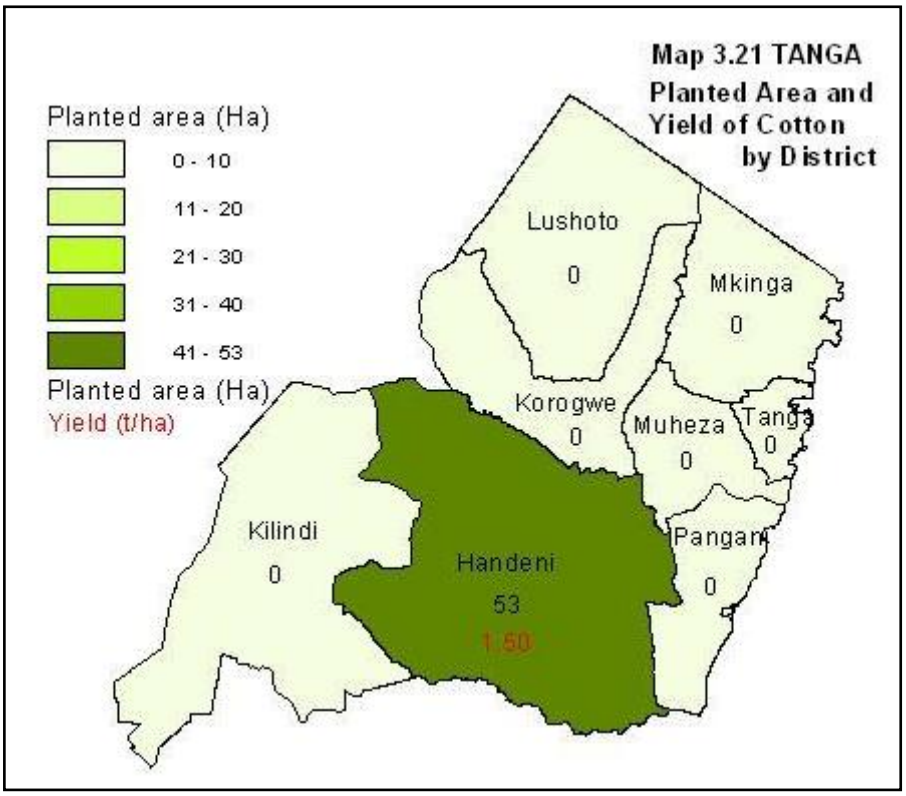
Other crops including cotton and tobacco were produced mainly for cash.

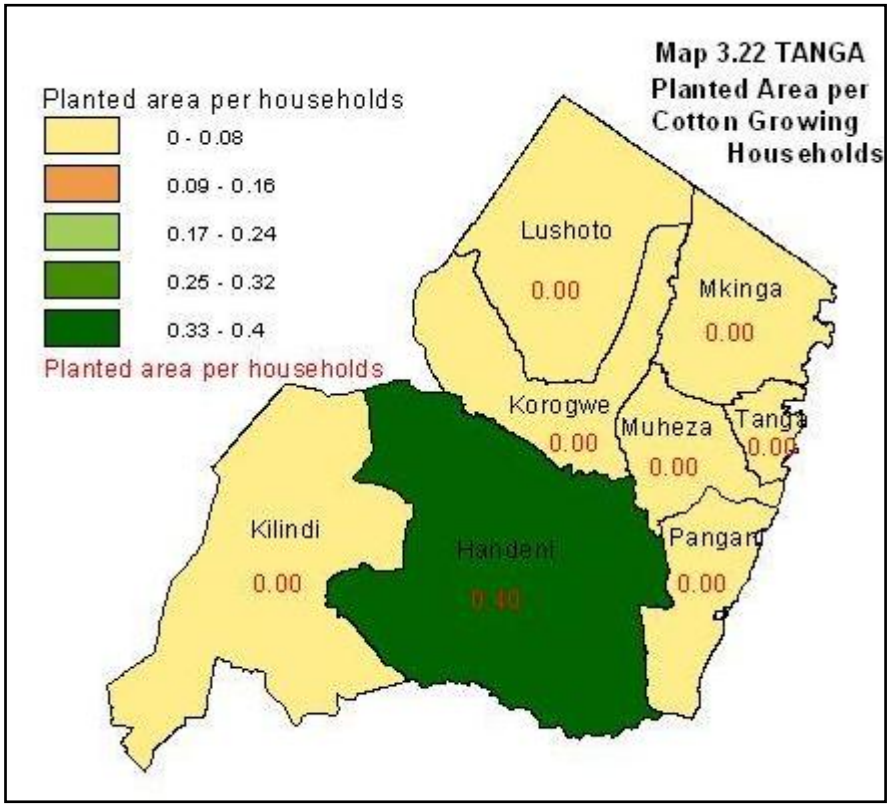
3.3.8.1 Cotton

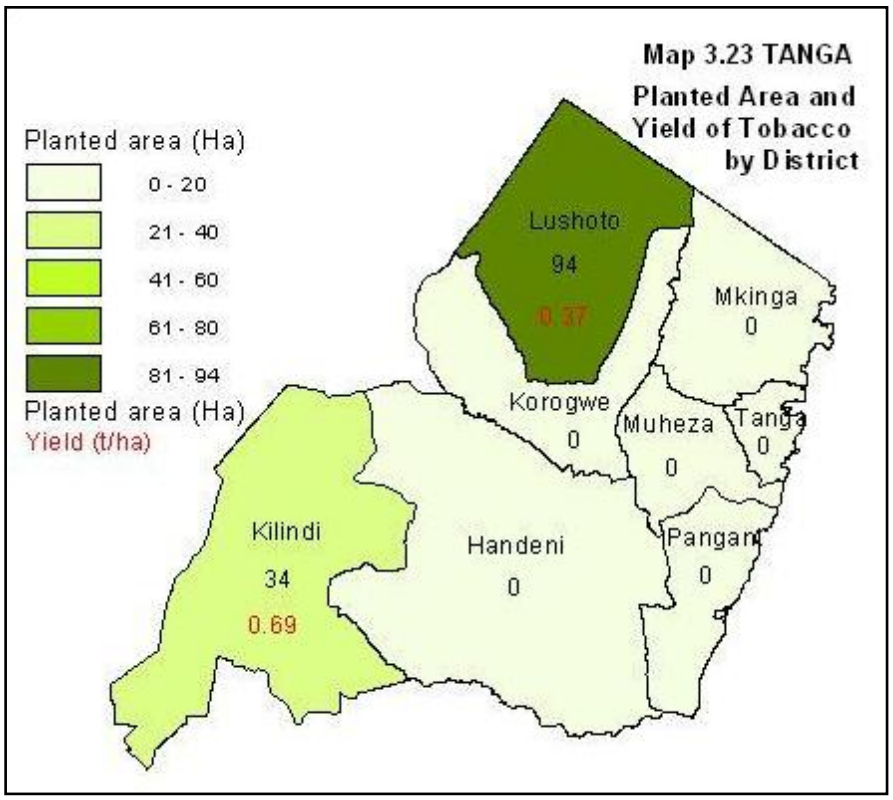
Cotton production is mainly carried out in Handeni District where a total of 53 ha were planted with the crop. Recorded yield of cotton was 1.5 ton/ha (Map 3.24) while the area planted per cotton growing households was 0.40 ha (Map 3.25).

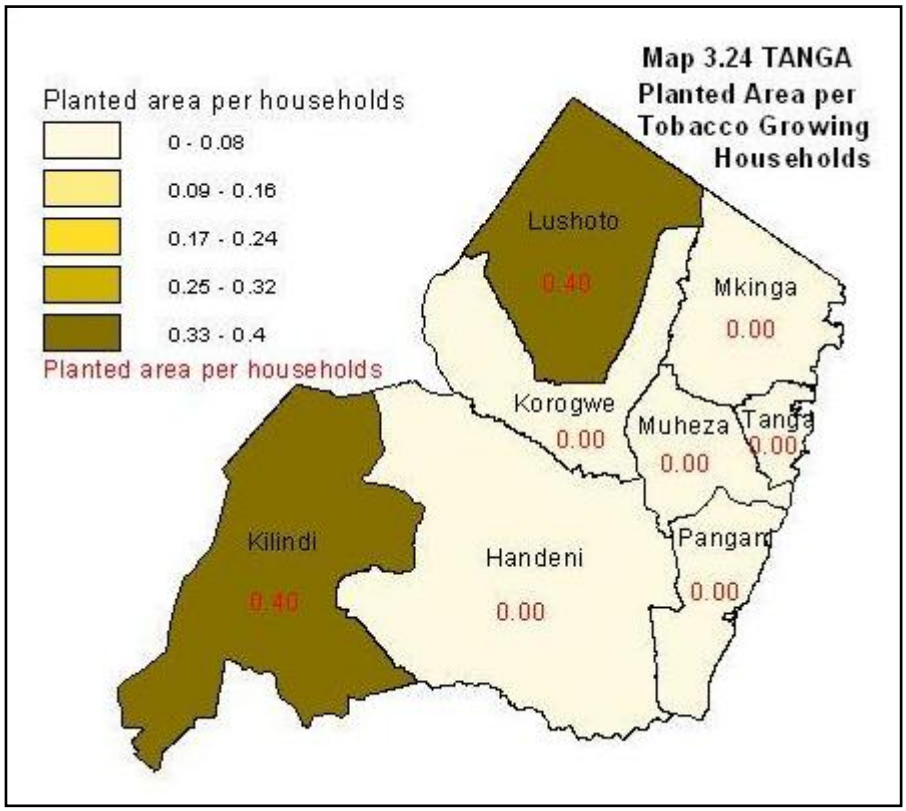
3.3.8.2 Tobacco

Tobacco production is mainly concentrated in Lushoto and Kilindi. A total of 128 ha of tobacco were grown to tobacco with the area in Lushoto accounting for 74.3% of the total area grown to the crop. Also, Kilindi recorded higher yield (0.69 ton/ha) than Lushoto (0.37 ton/ha) (Map 3.26). Moreover, planted area per tobacco growing households was 0.40 ha in both districts (Map 3.27).


Map 3.21 TANGA
Planted Area and
Yield of Cotton
by District
Planted area (Ha)
0 - 10
11 - 20
21 - 30
31 - 40
41 - 53
Planted area (Ha)
Yield (t/ha)
Lushoto
0
Mkinga
0
Korogwe
0
Muheza
0
Tanga
0
Kilindi
0
Handeni
53
1.50
Pangani
0

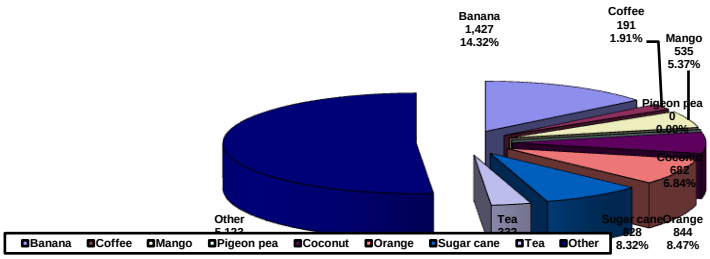

Map 3.22 TANGA
Planted Area per
Cotton Growing
Households
Planted area per households
0 - 0.08
0.09 - 0.16
0.17 - 0.24
0.25 - 0.32
0.33 - 0.4
Planted area per households
Lushoto
0.00
Mkinga
0.00
Korogwe
0.00
Muheza
0.00
Tanga
0.00
Kilindi
0.00
Handeni
0.40
Pangani
0.00


Map 3.23 TANGA
Planted Area and Yield of Tobacco by District
Planted area (Ha)
0 - 20
21 - 40
41 - 60
61 - 80
81 - 94
Planted area (Ha)
Yield (t/ha)
Lushoto
94
0.37
Mkinga
0
Korogwe
0
Muheza
0
Tanga
0
Kilindi
34
0.69
Handeni
0
Pangani
0


Map 3.24 TANGA
Planted Area per Tobacco Growing Households
Planted area per households
0 - 0.08
0.09 - 0.16
0.17 - 0.24
0.25 - 0.32
0.33 - 0.4
Planted area per households
Lushoto
0.40
Mkinga
0.00
Korogwe
0.00
Muheza
0.00
Tanga
0.00
Kilindi
0.40
Handeni
0.00
Pangani
0.00

3.4 Permanent Crops

Chart 3.5: Area Planted with Main Perennial Crops



Permanent crops are also referred to as perennial crops. These are called permanent because they take over a year to mature and once they mature can be harvested for several years. A total of 252,534 households were growing perennial crops in Tanga region in an area of 180,570 ha. The largest number of households grew other crops (96,746) followed by banana (41,464), orange (31,771), coconut (28,085), cashew nut (17,577), and mango (16,851) - while other crops like sugar cane, tea, cloves coffee, pigeon pea were grown by households ranging from 2,348 and 7,093 . Also, the highest percent of the area was planted with other crops (8.9%) oranges (5.8%), cashew nut (5.3%) - coconut (4.6%), and banana (1.9%). Other crops were planted in percentages ranging from 0% to 1.3%. Regarding yield, the first three crops that recorded the highest yields were sugar cane (10.92 ton/ha) followed by tea (5.92 ton/ha), mango and banana (4.49 ton/ha). In contrast, cloves (0.30 ton/ha) and (0.56 ton/ha) recorded the lowest yields (Table 3.3, Chart 3.5).

A total of 252,534 households planted perennial crops in an area of 180,570 ha Muheza accounted for the highest percent of total area planted with perennial crops (29.6%) followed by Mkinga (24.2%),Tanga (14.1%), and Lushoto (9.4%). The lowest percent of total planted area was recorded in Kilindi (4.6%). In terms of planted area per households growing perennial crops Mkinga recorded the largest area with 1.03 ha followed by Tanga (0.98 ha), Pangani and Muheza (0.79 ha) each. In contrast, the smallest area was found in Korogwe (0.3 ha).

3.4.1 Mango

Mango was grown all over the region. A total of 8,169 ha were planted with mango by 16,851 households. Muheza had the highest percent of area planted with mangoes (30.3%) followed by Kilindi (25.9%). These two districts accounted for almost over half of the area planted with mangoes in the region. Moreover, Pangani had the lowest percent area under mangoes (1.3%). Based on area planted per mango growing households, the highest area was recorded in Muheza (1.41 ha) followed by Kilindi (0.57 ha) and Tanga (0.39 ha) (Table 3.4).

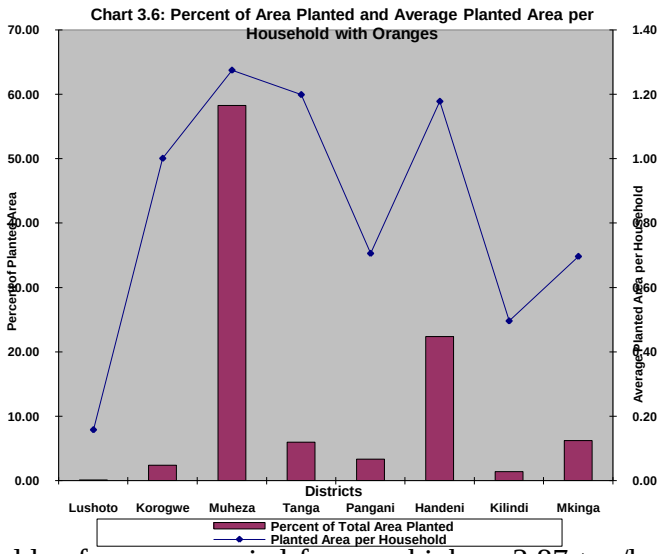
3.4.2 Coconuts

Table 3.4: Percent of Area Planted and Average Planted Area with Mango

District	Number of household	Area Planted	Percent of Total Area Planted	Planted Area per Household
Lushoto	929	109	1.34	0.12
Korogwe	2,248	535	6.55	0.24
Muheza	1,754	2,471	30.25	1.41
Tanga	2,492	977	11.97	0.39
Pangani	328	106	1.30	0.32
Handeni	1,953	403	4.93	0.21
Kilindi	3,691	2,117	25.92	0.57
Mkinga	3,457	1,449	17.74	0.42
Total	**16,851**	**8,169**	100.00	0.48

A total of 28,118 ha were planted with coconuts in seven out of the eight districts in Tanga region. Most coconut production was concentrated along the coast with Mkinga having the largest area planted with coconut (10,979 ha, 33.35%). The other districts with significant area grown to coconuts were Muheza (4,462 ha, 23.14%), Tanga (7,324 ha, 20.65%) and Pangani (4,115 ha, 12.72%). Besides Lushoto where no coconut production was undertaken, Kilindi had the smallest area planted with coconut (195 ha), which accounted for about 1% of the total area planted with coconut in the entire region. Yields of coconut varied widely across districts. However, Tanga obtained the highest yield (2.97ton/ha) while the lowest yield was recorded in Handeni (0.48 ton/ha) (Map 3.28). On the other hand, Tanga had the largest planted area per coconut growing households (1.26 ha). Other districts with relatively larger areas were Mkinga (1.17 ha), and Pangani (1.15 ha). In contrast, Korogwe and Handeni recorded the smallest area (0.40 ha) (Map 3.29).

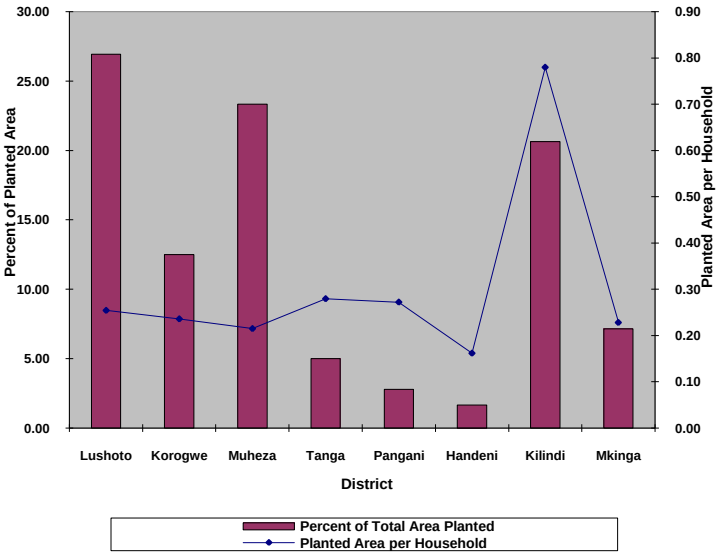
3.4.3 Oranges



Muheza recorded the highest percent of area planted with oranges (58.29%) followed by Handeni (22.37) while Lushoto recorded the lowest percent (0.1%). On the other hand, Muheza (1.3 ha), Tanga (1.2 ha) and Handeni (1.18 ha) were the three districts with the largest average area planted with orange per household. With only about 0.2 ha Lushoto recorded the smallest average area per household planted with the crop. Yields of oranges varied from as high as 3.87 ton/ha in Korogwe to as low as (1.19 ton/ha) in Mkinga (Chart 3.6 and Maps 3.30 and 3.31).

3.4.4 Banana

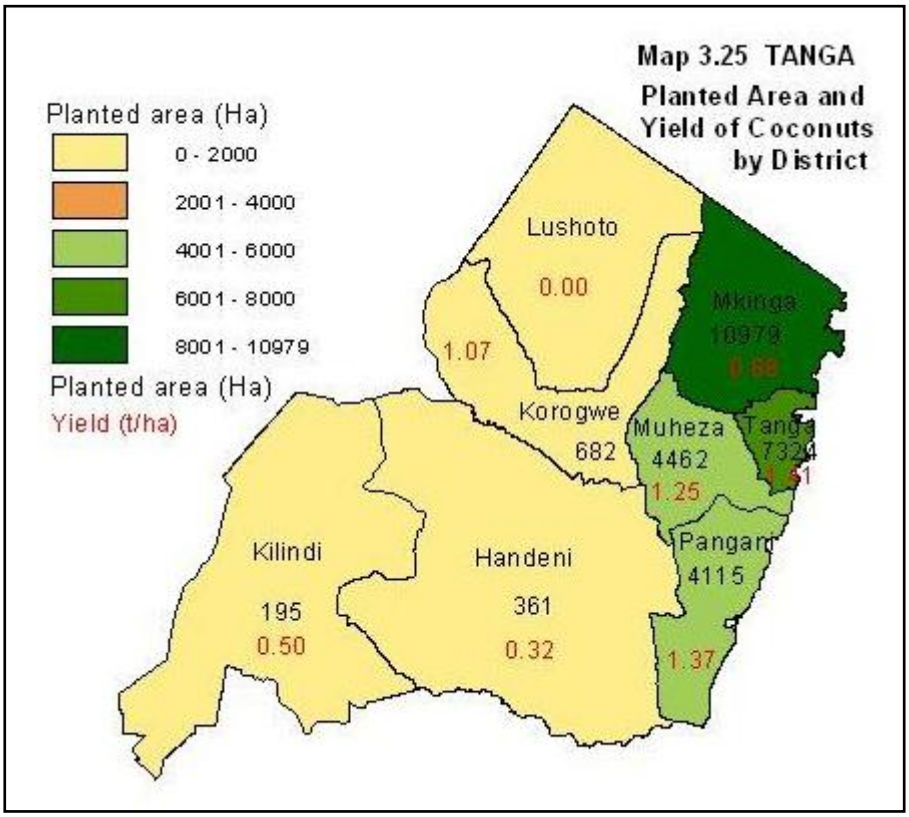
Chart 3.7: Percent of Area and Average Planted Area per Household with Banana

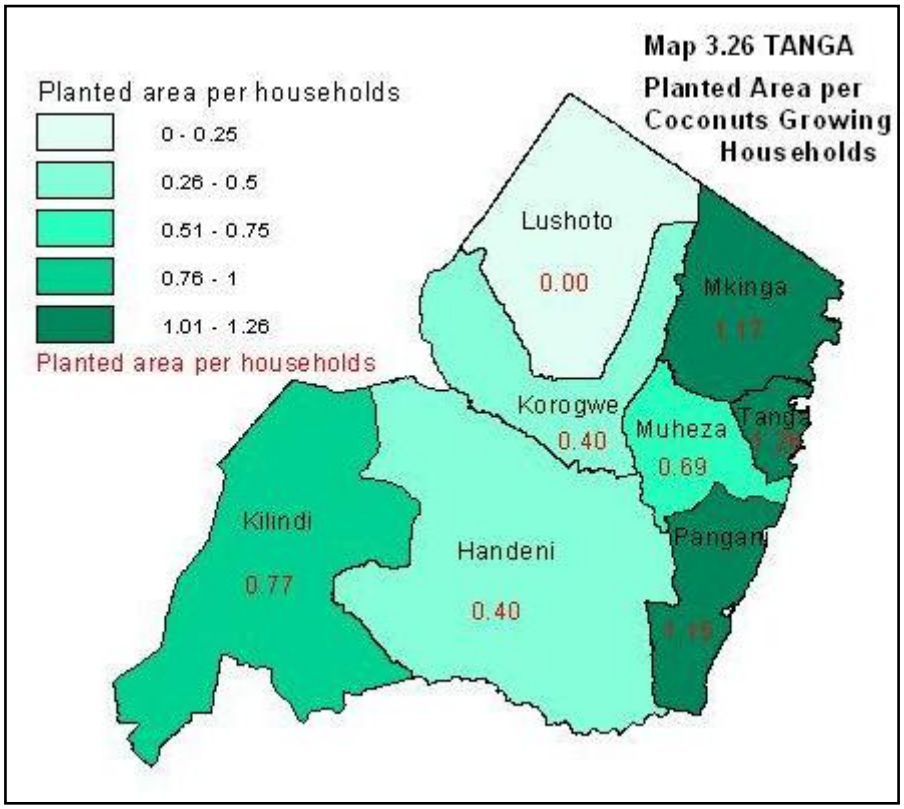


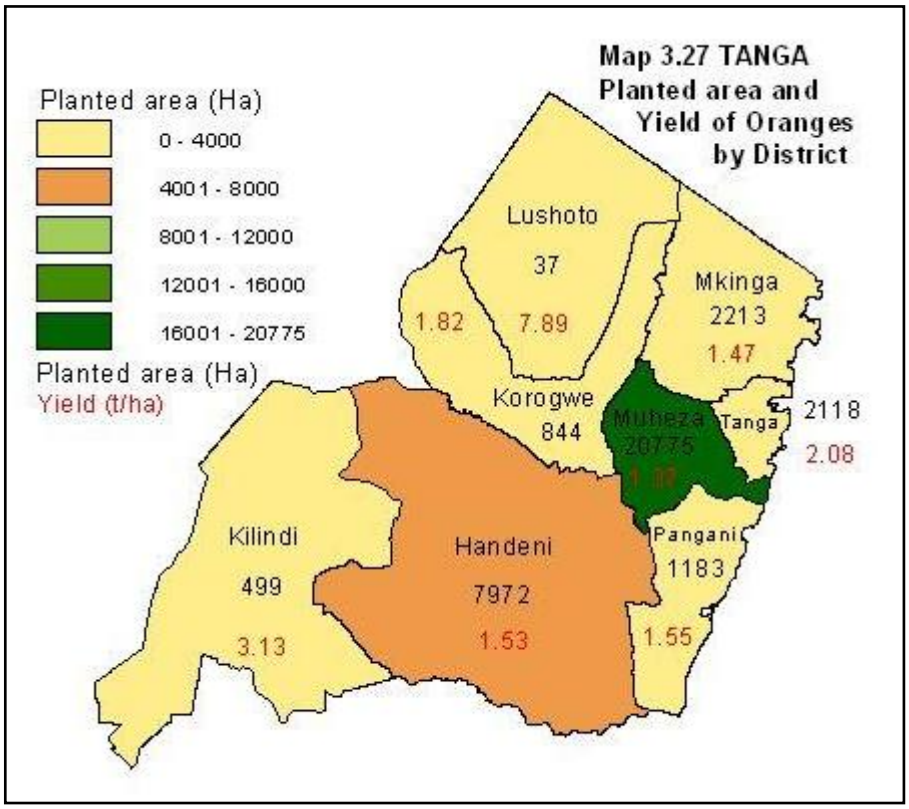
Banana was grown in all districts by a total of 41,464 households and the total area amounted to 11,412 ha. However, the districts with the first three highest percent of area planted with banana were Lushoto (27%) followed by Muheza (23.3%), and Kilindi (20.6%). Besides, the largest average area planted with banana per household was recorded in Kilindi (0.8 ha) and Tanga (0.28 ha), which was closely followed by Pangani (0.27 ha). In contrast, Handeni had the lowest (0.16 ha) average area planted per household with banana. In terms of yield, highest was obtained in Mkinga (9.19 ton/ha). Other districts with relatively higher yields include Muheza (7.44 ton/ha) Korogwe (6.96 ton/ha) and Pangani (4.62 ton/ha) (Chart 3.7, Maps 3.32 and 3.33).

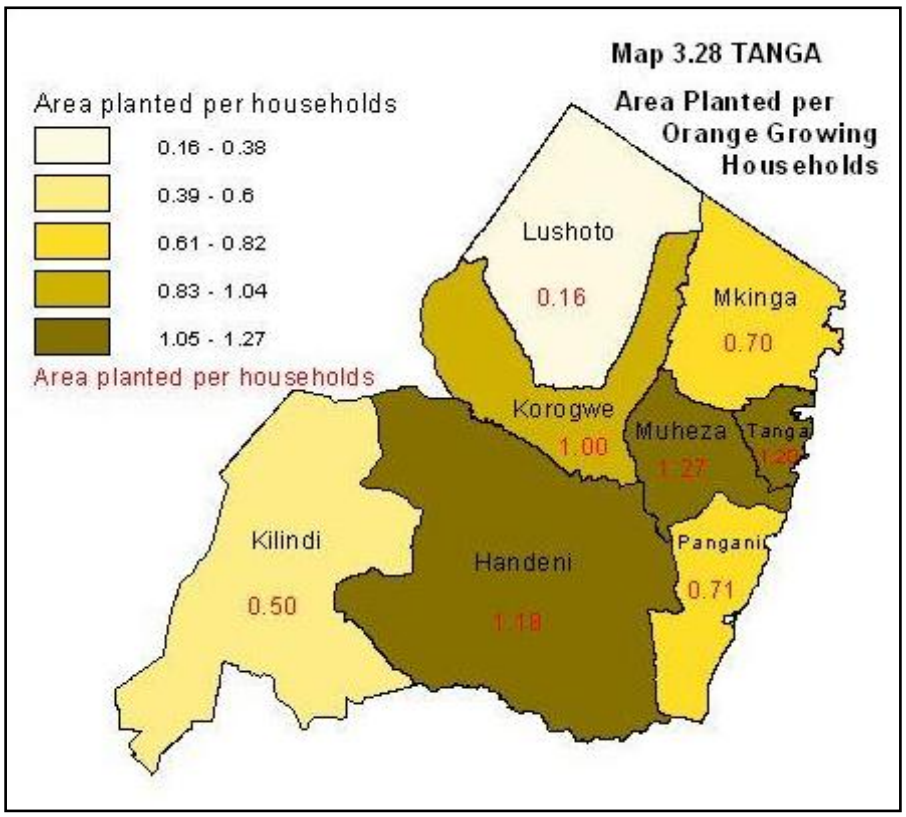
3.4.5 Cashew nuts

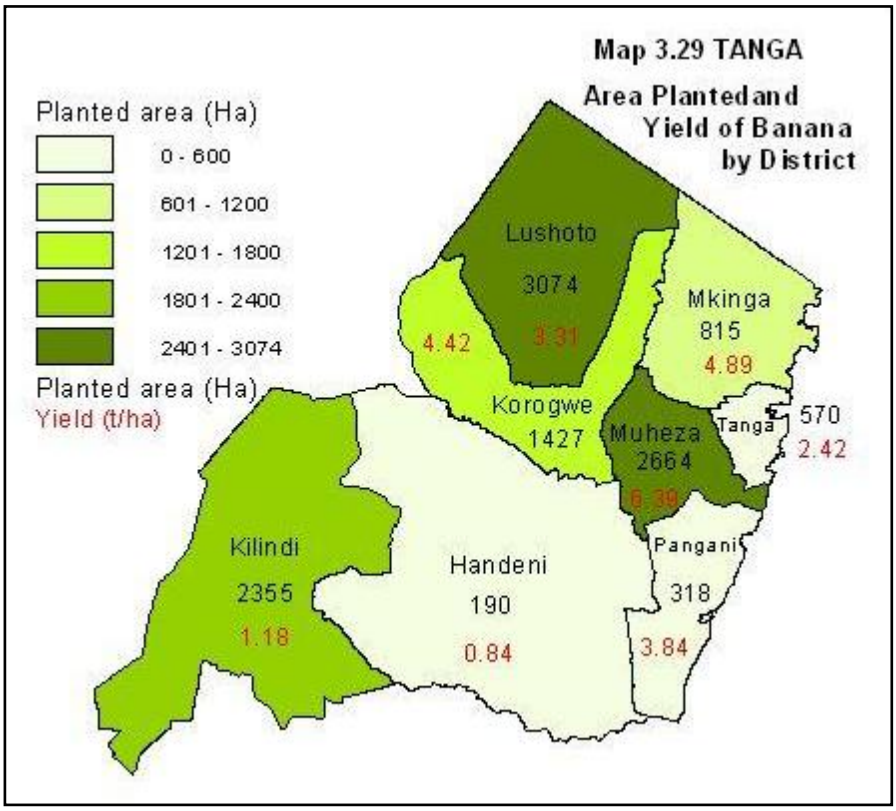
The total area planted with cashewnuts is 32,268 ha. Mkinga district had the largest area planted with cashewnuts (20,148.04 ha), which accounted for about 62% of the total area planted with the crop in the region followed by Tanga (6,511.57 ha, 20.2%), Pangani (2,797.76 ha, 8.7%) and Muheza (2,180.59 ha, 6.8%) In contrast, other districts had relatively smaller areas planted with cashewnuts with Kilindi and Handeni having the smallest area planted with the crop (56.06 and 69.42 ha). On the other hand, the highest yield was still recorded in Mkinga (2.62 ton/ha) while Tanga and Korogwe obtained the lowest yield (0.1 ton/ha) (Map 3.34). Regarding area planted per cashewnuts growing households, Mkinga had the largest area (2.19 ha), followed by Tanga (1.89 ha), Muheza (1.76 ha), and Pangani (1.18 ha). The other remaining districts had areas les than 1 ha per cashewnuts growing households with Handeni having the smallest area (0.27 ha) (Map 3.35).

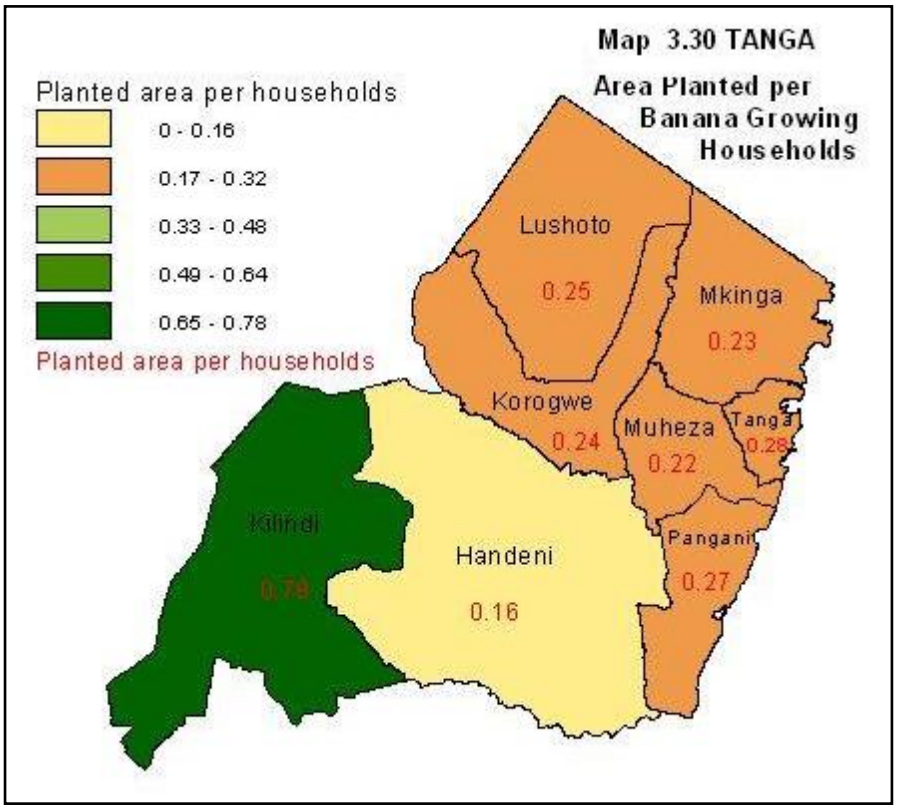

Map 3.25 TANGA
Planted Area and Yield of Coconuts by District
Planted area (Ha)
0 - 2000
2001 - 4000
4001 - 6000
6001 - 8000
8001 - 10979
Planted area (Ha)
Yield (t/ha)
Lushoto
0.00
1.07
Mkinga
10979
Korogwe
682
Muheza
4462
1.25
Tanga
7324
Pangani
4115
1.37
Kilindi
195
0.50
Handeni
361
0.32


Map 3.26 TANGA
Planted Area per Coconuts Growing Households
Planted area per households
0 - 0.25
0.26 - 0.5
0.51 - 0.75
0.76 - 1
1.01 - 1.26
Planted area per households
Lushoto
0.00
Mkinga
1.17
Korogwe
0.40
Muheza
0.69
Tanga
Pangani
Kilindi
0.77
Handeni
0.40


Map 3.27 TANGA
Planted area and
Yield of Oranges
by District
Planted area (Ha)
0 - 4000
4001 - 8000
8001 - 12000
12001 - 16000
16001 - 20775
Planted area (Ha)
Yield (t/ha)
Lushoto
37
1.82
7.89
Mkinga
2213
1.47
Korogwe
844
Muheza
20775
Tanga
2118
2.08
Kilindi
499
3.13
Handeni
7972
1.53
Pangani
1183
1.55


Map 3.28 TANGA
Area Planted per
Orange Growing
Households
Area planted per households
0.16 - 0.38
0.39 - 0.6
0.61 - 0.82
0.83 - 1.04
1.05 - 1.27
Area planted per households
Lushoto
0.16
Mkinga
0.70
Korogwe
1.00
Muheza
1.27
Tanga
Kilindi
0.50
Handeni
1.18
Pangani
0.71


Map 3.29 TANGA
Area Plantedand Yield of Banana by District
Planted area (Ha)
0 - 600
601 - 1200
1201 - 1800
1801 - 2400
2401 - 3074
Planted area (Ha)
Yield (t/ha)
Lushoto
3074
3.31
4.42
Mkinga
815
4.89
Korogwe
1427
Muheza
2664
6.39
Tanga
570
2.42
Kilindi
2355
1.18
Handeni
190
0.84
Pangani
318
3.84


Map 3.30 TANGA
Area Planted per Banana Growing Households
Planted area per households
0 - 0.16
0.17 - 0.32
0.33 - 0.48
0.49 - 0.64
0.65 - 0.78
Planted area per households
Lushoto
0.25
Mkinga
0.23
Korogwe
0.24
Muheza
0.22
Tanga
0.28
Kilindi
0.78
Handeni
0.16
Pangani
0.27

3.5 Input Use

3.5.1 Fertilizer Use

The total planted area in Tanga was (436,725 ha). Lushoto had the largest planted area 7,993 ha using fertilizer followed by Korogwe (3,650 ha), and Muheza (2,734 ha). Each of the other remaining districts had planted areas less than 1,000 ha with Pangani having the smallest planted area (273 ha) while Handeni did not use any fertilizer at all (Map 3.36).

3.5.2 Use of Organic Fertilizer

A total of 24,094 (7%) households in Tanga region used organic fertilizer. In contrast, 306,685 (93%) households did not use organic fertilizer Overall, the percentage of area planted using organic fertilizer in the region accounted for only 3.6% of the total planted area. In general, the number of households using organic fertilizer and the area applied with it varied greatly across districts (Table 3.5). Lushoto had the largest number of households (14,169 with 5,416 ha) followed by Muheza (4,436 households 2,588 ha), Korogwe (2,669 households, 3,650 ha), Tanga (1,540 households, 750 ha), and Mkinga (558 households, 249 ha). Besides, virtually no households in Handeni used organic fertilizer. Furthermore, at regional level, 207,455 households planted during the short rainy season (Vuli) and the total area planted was 178,527 ha). In all, Lushoto had the largest number of households (84,087), which planted during Vuli as well as the area planted (68,278 ha) (Table 3.5). However, this was not evident in other districts except for Tanga (3,851 households, 2,620 ha) and Pangani (6,306 households, 4,813 ha), which had both the smallest number of households using organic fertilizer as well as area planted with it.

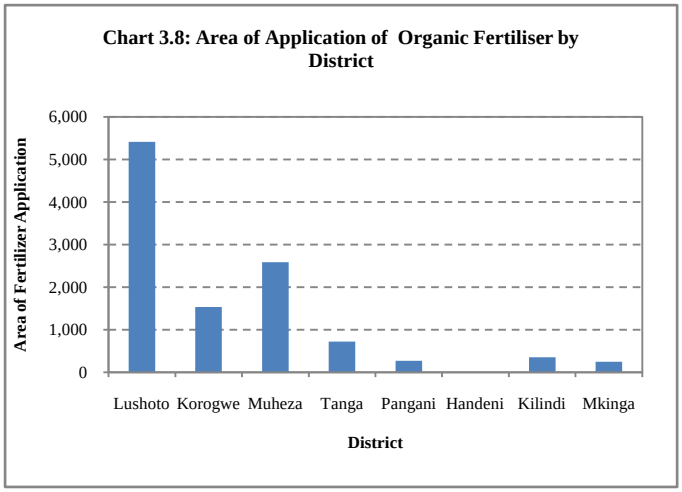
Table 3.5: Annual Crop and Vegetable Production: Number of Households and Planted Area by Organic Fertilizer Use and District - Short Rainy Season

District	Organic Fertilizer Use						% of Planted area using Organic Fertilizer
	Number of Households using Organic Fertilizer	Planted Area Applied with Organic Fertilizer	Number of Households NOT using Organic Fertilizer	Planted Area NOT Applied with Organic Fertilizer	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Lushoto	10,685	4,250	73,402	64,027	84,087	68,278	6.2
Korogwe	983	341	20,511	13,125	21,495	13,466	2.5
Muheza	2,373	1,341	27,234	21,465	29,606	22,805	5.9
Tanga	362	199	3,488	2,421	3,851	2,620	7.6
Pangani	73	106	6,233	4,706	6,306	4,813	2.2
Handeni	0	.	26,554	26,475	26,554	26,475	-
Kilindi	84	34	21,812	28,951	21,896	28,984	0.1
Mkinga	335	187	13,325	10,898	13,660	11,086	1.7
Total	**14,895**	**6,459**	**192,560**	**172,069**	**207,455**	**178,527**	**3.6**

Use of organic fertilizer during the long rainy season for annual crop and vegetable production is presented in Table 3.6. Although the total number of households using organic fertilizer during Masika was much smaller (9,199) compared to those during Vuli (14,895), both the number of households not using organic fertilizer and the area planted without organic fertilizer was much bigger during Masika than in Vuli. Similarly, the number of households as well as the area planted in Masika was much bigger than the number of households and area planted during Vuli. In addition, the percentage of planted area using organic fertilizer during Masika was much lower (1.8%) than under Vuli (3.6%), almost twice less (Table 3.6).

Table 3.6: Annual Crop and Vegetable Production: Number of Households and Planted Area by Organic Fertilizer Use and District - Long Rainy Season

District	Organic Fertilizer Use						% of Planted area using Organic Fertilizer
	Number of Households using Organic Fertilizer	Planted Area Applied with Organic Fertilizer	Number of Households NOT using Organic Fertilizer	Planted Area NOT Applied with Organic Fertilizer	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Lushoto	3,484	1,166	36,933	26,983	40,418	28,149	4.1
Korogwe	1,686	1,190	52,964	55,155	54,650	56,346	2.1
Muheza	2,063	1,248	36,827	31,789	38,891	33,037	3.8
Tanga	1,178	523	9,287	6,107	10,465	6,631	7.9
Pangani	146	167	9,586	7,723	9,732	7,890	2.1
Handeni	0	.	49,463	69,864	49,463	69,864	-
Kilindi	419	323	27,265	49,757	27,685	50,080	0.6
Mkinga	223	62	6,635	6,141	6,858	6,203	1.0
Total	**9,199**	**4,679**	**228,962**	**253,519**	**238,161**	**258,198**	**1.8**



Areas planted with organic fertilizer varied greatly across districts (Chart 3.8). While no amount of organic fertilizer was recorded for Handeni, it is clearly shown that Lushoto by far had the largest area planted with organic fertilizer (5,416 ha). Muheza (2,588 ha), and Korogwe (1,532 ha) came a distant second and third respectively. Other districts recorded smaller areas planted with organic fertilizer.

3.5.3 Use of Pesticides

3.5.3.1 Insecticide Use

There were 11,576 households using insecticides representing only 3.5% of the crop growing households. Except for Tanga where none of the crop growing households used insecticides, the largest number of households using insecticides was recorded in Lushoto (8,595) representing about 74% of households using insecticides in the region. Muheza had the second largest number of households using insecticides (1,032) followed by Korogwe (702), Pangani (401), Mkinga (335), Handeni (260) while Kilindi (252) had the smallest number of households (Table 3.7).

The area planted with insecticides was 3,464 ha representing about only 1% of the total planted area with annual crops and vegetables. Lushoto had the largest area (1,867 ha) accounting for 54% of the total area planted with insecticides. While no insecticides were used for annual crop and vegetable production in Tanga District, the area planted with insecticides in other districts ranged from 132 in Handeni to 407 ha in Pangani (Table 3.7).

Table 3.7: Total Number of Agricultural Households and Planted Area by Insecticide Use and District for the 2007/08 Agriculture Year – Short and Long Rainy Seasons

District	Number of Households using Insecticide	Planted Area with Insecticide	Number of Households NOT using Insecticide	Planted Area with no Insecticide	Total Number of Households	Total Planted Area (ha)
Lushoto	8,595	1,867	115,910	94,560	124,505	96,426
Korogwe	702	228	75,443	69,585	76,145	69,812
Muheza	1,032	340	67,465	55,503	68,497	55,842
Tanga	0	.	14,315	9,251	14,315	9,251
Pangani	401	407	15,637	12,296	16,038	12,703
Handeni	260	132	75,757	96,207	76,017	96,339
Kilindi	252	272	49,330	78,792	49,581	79,064
Mkinga	335	220	20,183	17,068	20,518	17,288
Total	11,576	3,464	434,040	433,261	445,616	436,725

3.5.3.2 Herbicide Use.

A total of 4,203 households used herbicide during both the short and long seasons for annual and vegetable production accounting for about only 1% of the total number of households (445,616) in Tanga. Lushoto had the largest number of households using herbicides (1,626). This accounted for about 39% of all households that used herbicide during both the short and long rainy seasons

followed by Kilindi (1,258, 30%). Other districts had less than 1000 households using herbicides including Korogwe (702), Muheza (413), Mkinga (167), and Pangani (36). On the other hand, there were no households using herbicides in Tanga and Handeni (Table 3.8).

A total of 1,605 ha were planted with herbicides. This accounted for only 0.4%) of the total planted area (436,725 ha). Kilindi had the largest area planted with herbicides (577 ha) followed by Korogwe (390 ha), Lushoto (379 ha). Much smaller areas were planted with herbicides in Muheza (166 ha), Mkinga (86 ha) while Pangani had the smallest area (7 ha) (Table 3.8).

Table 3.8: Total Number of Agricultural Households and Planted Area by Herbicide Use and District for the 2007/08 Agriculture Year- Short and Long Rainy Seasons

District	Number of Households using Herbicide	Planted Area with Herbicide	Number of Households NOT using Herbicide	Planted Area with no Herbicide	Total Number of Households	Total Planted Area (ha)
Lushoto	1,626	379	122,879	96,047	124,505	96,426
Korogwe	702	390	75,443	69,423	76,145	69,812
Muheza	413	166	68,084	55,676	68,497	55,842
Tanga	0	.	14,315	9,251	14,315	9,251
Pangani	36	7	16,001	12,696	16,038	12,703
Handeni	0	.	76,017	96,339	76,017	96,339
Kilindi	1,258	577	48,323	78,487	49,581	79,064
Mkinga	167	86	20,351	17,203	20,518	17,288
Total	4,203	1,605	441,413	435,120	445,616	436,725

3.5.3.3 Fungicide Use

Fungicides were used in all districts for annual crops and vegetable production. However, there was variation across districts both in terms of number households using herbicides and area planted with it. In all, a total of 12,359 households used fungicides accounting for only about 3% of the total number of crop growing households (445,616) (Table 3.9). Lushoto with 9,524 households accounted for about 77% of all households using fungicides. Kilindi came second with 1,091 households. Other districts had less than 1000 households using fungicides while Pangani had the smallest number of households using fungicides (36).

Of the total planted area (436,725 ha) in the region, the area planted with fungicides accounted for only 1% (3,076 ha). Lushoto had a total area of 1,988 ha planted with fungicides accounting for

65% of the total area planted with fungicides. In other remaining districts the area planted with fungicides ranged from as small as 15 ha in Pangani to as large as 348 ha in Kilindi (Table 3.9).

Table 3.9: Total Number of Agricultural Households and Planted Area by Fungicide Use and District for the 2007/08 agriculture – Short and Long Rainy Seasons

District	Number of Households using Fungicide	Planted Area with Fungicide	Number of Households NOT using Fungicide	Planted Area with no Fungicide	Total Number of Households	Total Planted Area (ha)
Lushoto	9,524	1,988	114,981	94,439	124,505	96,426
Korogwe	702	205	75,443	69,607	76,145	69,812
Muheza	309	99	68,187	55,743	68,497	55,842
Tanga	45	18	14,270	9,232	14,315	9,251
Pangani	36	15	16,001	12,688	16,038	12,703
Handeni	260	237	75,757	96,102	76,017	96,339
Kilindi	1,091	348	48,491	78,716	49,581	79,064
Mkinga	390	166	20,128	17,122	20,518	17,288
Total	12,359	3,076	433,258	433,649	445,616	436,725

3.6 Irrigation

Tanga region had a total area of 9,439 ha planted with annual crops under irrigation. The average planted area under irrigation per district stood at 1,180 ha. Lushoto had the largest area under irrigation (4,177 ha) followed by Korogwe (3,799 ha). In fact the area under irrigation in these two districts accounted for about 85% of the total area under irrigation in the region. While in Handeni District no crops were planted under irrigation in the other remaining districts the area under irrigation was relatively smaller ranging from 30 ha in Pangani to 291 ha in Muheza (Map 3.37).

In terms of percent of total area planted with irrigation by district, Korogwe had the highest percent of the area (5.5%) followed by Lushoto (4.6%), Kilindi (0.9%), Mkinga (0.8%), Muheza (0.4%) and Pangani (0.2%) while Handeni recorded 0% (Map 3.37).

3.7 Crop Storage and Marketing

3.7.1 Crop Storage

A total of 286,663 (86%) households reported storing crops. Korogwe had the highest percent (21%) of households which stored their crops followed by Lushoto (17%), Handeni (15%), Muheza (13%), Kilindi (11%), Pangani (3%), and Tanga (3%) while Mkinga (2%) had the lowest percent of households which reported storing crops (Table 3.10, Map 3.38).

Table 3.10: Number of households storing crops by District

District	Number of households storing crops	Percent of households storing crops
Lushoto	54,586.94	17
Korogwe	68,699.10	21
Muheza	44,151.62	13
Tanga	10,872.48	3
Pangani	10,205.75	3
Handeni	48,291.89	15
Kilindi	35,067.62	11
Mkinga	6,133.07	2

Methods of Storage

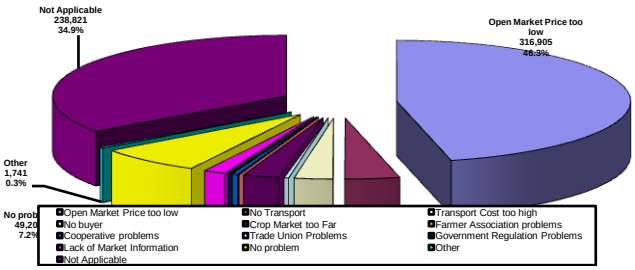
Out of a total of 330,779 households, 48,687 (15%) of them did not store crops in both seasons (short and long). The largest number of households (157,020, 35%) stored their crops using traditional storage structures followed by sacks/open drum (100,050, 23%). Other households used improved locally made structures (14,543, 3%, unprotected piles (6,786 2%), air tight drum (5,250 2%), modern store (1,14, 0.3%), and other methods (1,887, 1%), (Chart 3.9).

The importance of storage methods varied across districts. However, in general, traditional storage structures were the most important storage methods in Lushoto (129,847 households), Korogwe (18,815 households), Tanga (45,760 households), Pangani (3,949 households), and Kilindi (58,303). The importance of other storage methods varied from one district to another (Chart 3.10)

3.7.2 Main Crop Marketing Problems

Although about 7% of households interviewed indicated that they faced no marketing problem, other households indicated to have encountered various marketing problems. Of the various problems mentioned by households, the most important one is that, they saw open market prices to be too low ((161,030, 36%). Other problems mentioned include no transport (12,405, 3%), crop market too far (9,464, 2%), transport cost too high (8,655, 2%) and lack of market information (4,342 1, 0.4%) (Chart 3.11).

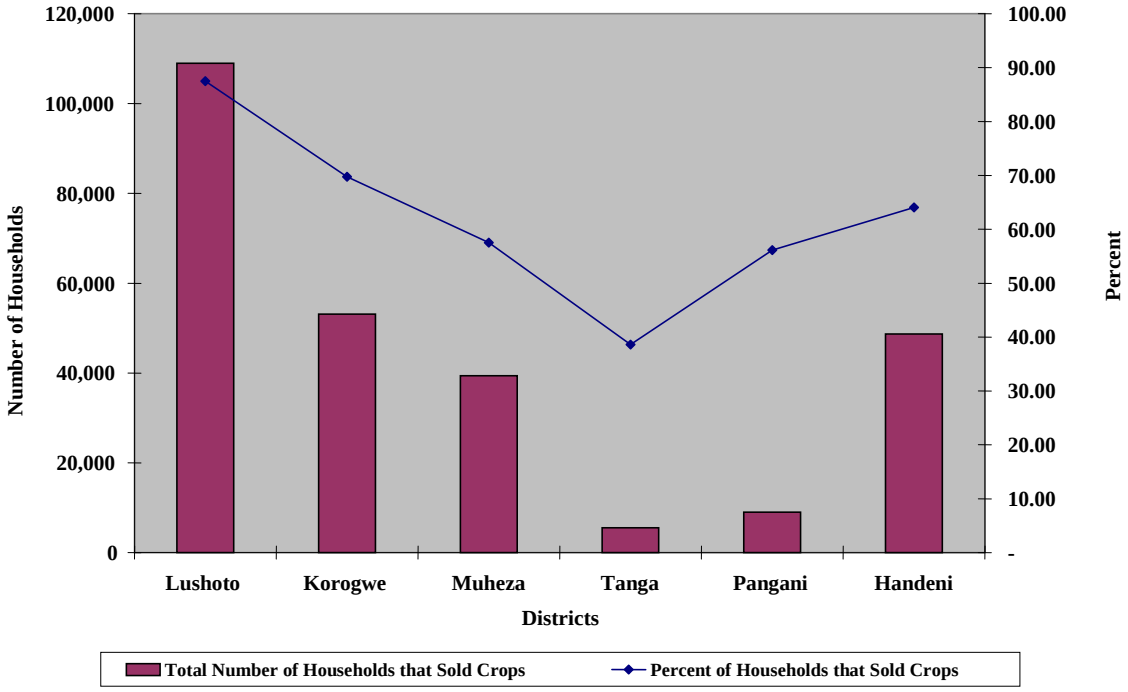
Chart 3.11: Number and Percent of Households Reporting Marketing Problems



Households Selling Crops

A total of 311,860 households out of 445,616 accounting for 70% of all households sold their crops. However, there is great variation across districts in terms of number and percent of households that sold their crops. Lushoto was among the first three districts with the largest number of households, which sold crops. It had 108,942 households, followed by Korogwe (53,105), and Handeni (48,682). In contrast, Tanga (5,527) had the smallest number of households that sold crops. In terms of percent, Lushoto had the highest percent of crop selling households (35%) followed by Korogwe (17%), Handeni (16%), Muheza had (13%) and Kilindi (11%). In contrast Tanga had the lowest percent of crop selling households (2%) (Chart 3.12, Map 3.39).

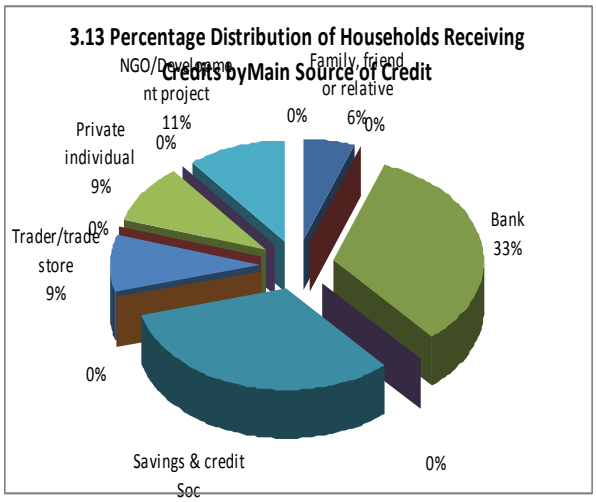
Chart 3.12 Number of Crop Growing Households Selling Crops by District

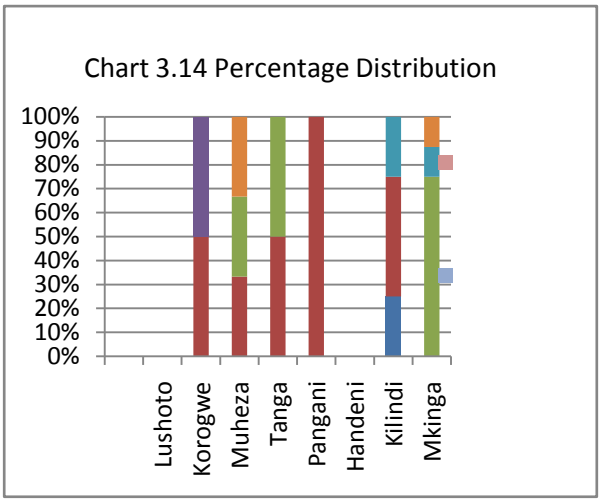


3.7.3 Access to Agricultural Credit

3.7.4 Source of Agricultural Credit

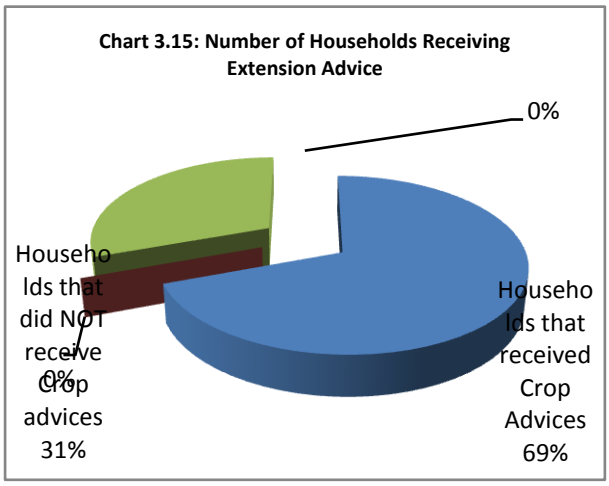
The major sources of agricultural credit were bank (32.9%) and savings and credit societies (32.2%). Other sources of minor importance were NGO/Development project (10.6%), Trader/trade store (9.4), private individuals (9.3%), and family/friend/relative (5.6%) (Chart 3.13). Generally, the importance of credit sources varied greatly across districts. For example, commercial banks were the sole source of credit in Pangani while family/friends were only used as sources of credit in Kilindi (Chart 3.14).

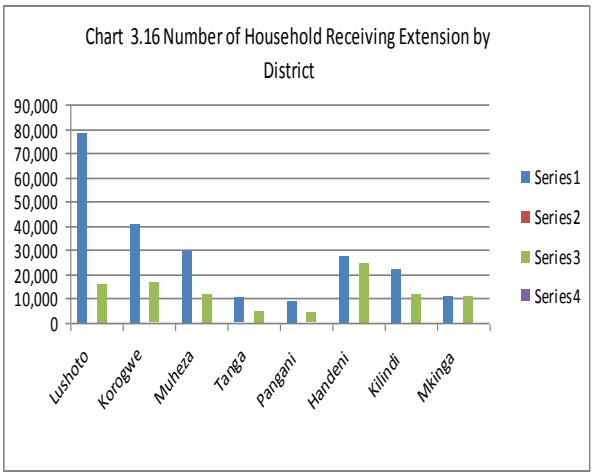




3.7.5 Crop Extension

Out of a total of crop growing households, 227,375 (69%) reported receiving extension advice while 100,039 (31%) did not (Chart 3.15). Clearly, in some districts crop growing households districts had more access to extension advice than others. Specifically, Lushoto had the highest percent households with access to extension advice (83%). Other districts with almost two thirds of households having access to crop extension advice were Korogwe (71%), Muheza (71%), Tanga (67%), Pangani (67%), and Kilindi (66%). On the other hand Mkinga district had the lowest percent of households with access to extension advice (50%) (Chart 3.16, Map 3.40).



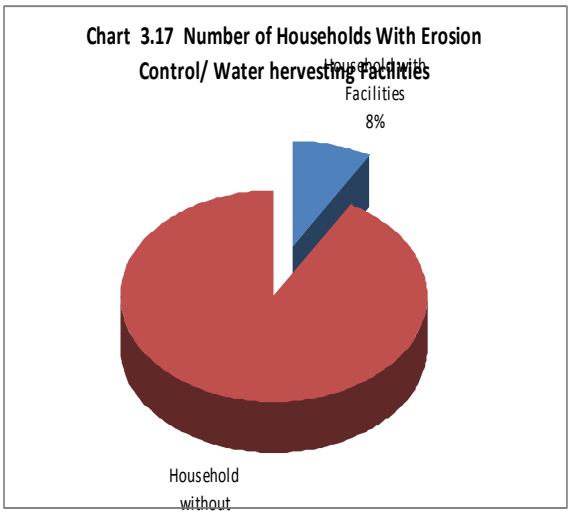


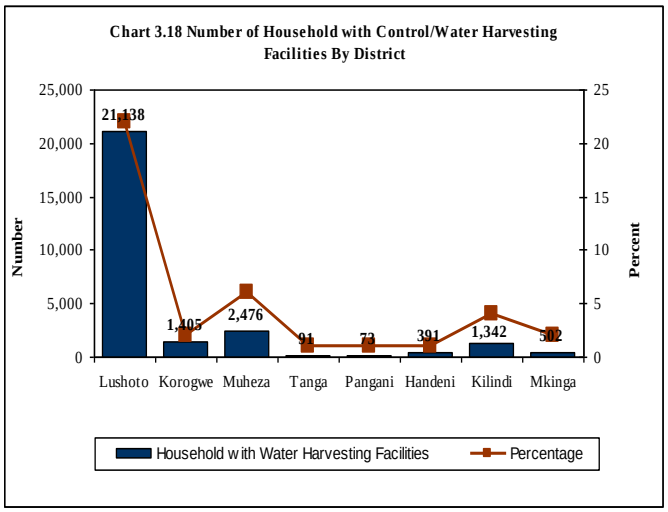
3.7.6 Use of Improved Seeds

A total of 56,900 in the region used improved seeds. The first three leading districts based on the number of households, which used improved seeds were Korogwe (14,049), Lushoto (19,047), and Muheza (6,808). On the other hand, Mkinga had the smallest number of households using improved seeds (2,565). However, in terms of percent of area planted with improved seeds, Tanga had the highest percent (23%) closely followed by Pangani (20%) then Korogwe (17%), and Mkinga (11%). The other remaining districts had low percentage ranging between 8 and 4 of area planted using improved seeds (Map 3.41).

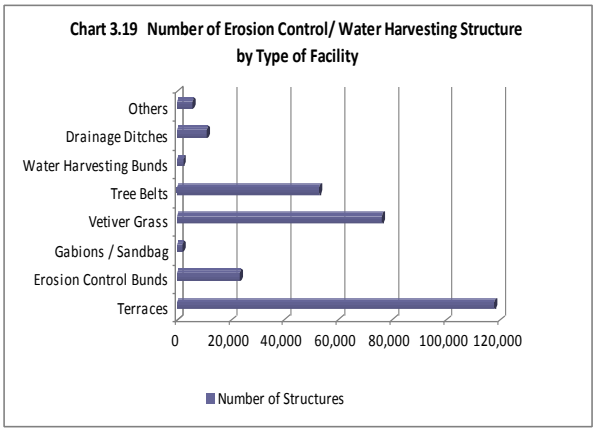
3.8 Erosion Control Facilities

A total of 27,417 (8%) households had erosion control/water harvesting facilities on their farms while 303,362 (92%) did not (Chart 3.17). On the other hand, distribution of districts by erosion control/water harvesting facilities shows that Lushoto had the largest number and percent of households (21,138, 22%) with these facilities. Generally, other districts recorded low percentages of households with erosion control facilities ranging from 1% (Tanga, Pangani, and Handeni) to 6% (Muheza) (Chart 3.18).





In terms of numbers, erosion control facilities in large number were terraces (118,089) followed by Vetiver grass (76,218), tree belts (52,858), and erosion control bunds (23,343). Other facilities were only in small numbers (Chart 3.19).



The number of erosion control structures varied greatly across districts. For example, there was no any erosion control/water harvesting facilities in Tanga. Pangani and Handeni while in the other districts only a limited number of facilities were reported (Table 3.11)

Table 3.11: Number of Erosion Control/Water Harvesting Structures by Type and District

District	Terraces	Erosion Control Bunds	Gabions / Sandbag	Vetiver Grass	Tree Belts	Water Harvesting Bunds	Drainage Ditches	Others
Lushoto	109,638	14,634	0	50,174	4,413	1,394	9,756	4,878
Korogwe	3,934	1,124	562	562	36,527	0	0	421
Muheza	825	4,539	413	8,253	11,657	0	619	103
Tanga	0	0	0	0	0	0	0	0
Pangani	0	656	0	0	0	0	0	0
Handeni	0	521	0	0	260	0	0	0
Kilindi	3,691	419	1,007	503	0	0	587	336
Mkinga	0	1,450	0	16,727	0	892	56	0
Total	**118,089**	**23,343**	**1,981**	**76,218**	**52,858**	**2,286**	**11,018**	**5,738**

Out of households with erosion control facilities, the highest percent was recorded in Lushoto (22%) while in other districts the proportion was small. Regarding percent of households that did not have erosion control facilities, these ranged from 99% (Tanga, Pangani, and Handeni) to 78% (Lushoto) (Table 3.12).

Table 3.12: Number of Households with Erosion Control/Water Harvesting Facilities on their Land by District

District	Presence of Erosion Control/Water Harvesting Facilities					
	Have any erosion control/water harvesting facilities		Do not have any erosion control/water harvesting facilities		Total	
	Number	%	Number	%	Number	%
Lushoto	21,138	22	72,937	78	94,075	100
Korogwe	1,405	2	55,493	98	56,898	100
Muheza	2,476	6	39,303	94	41,779	100
Tanga	91	1	15,539	99	15,629	100
Pangani	73	1	13,049	99	13,122	100
Handeni	391	1	52,327	99	52,718	100
Kilindi	1,342	4	32,635	96	33,977	100
Mkinga	502	2	22,079	98	22,581	100
Total	**27,417**	**8**	**303,362**	**92**	**330,779**	**100**

3.9 Livestock Results

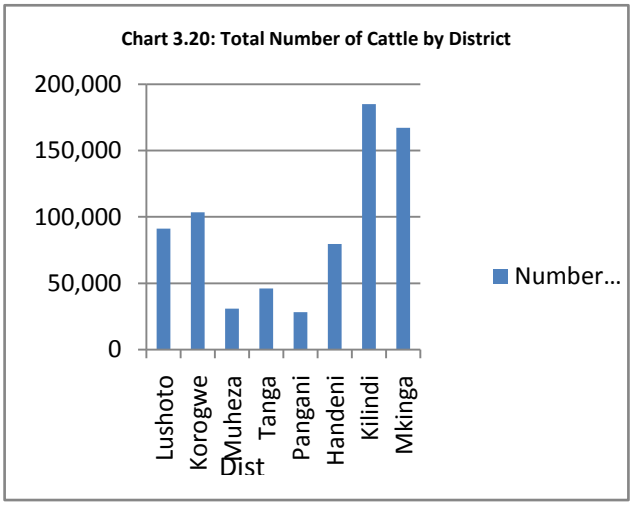
3.9.1 Cattle Production

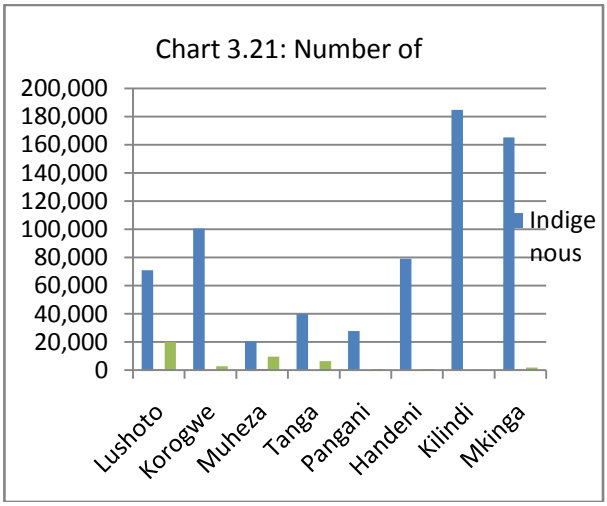
A total of 732,130 cattle were kept in the region and were divided in 74,670 households. Most of these households (62,306) kept indigenous cattle (688,114), which accounted for 94% of the total cattle population. In addition, 1,222 households kept 2,377 improved beef, which accounted for only 0.3% of the cattle while 16,728 households had 41,639 dairy cattle, which comprised 6% of the cattle population (Table 3.13).

Table 3.13: Cattle Production: Number of Cattle by Type and District as of 1st October 2008

Districts	Indigenous			Improved Beef			Improved Dairy			Total		
	Number of households	Number of Cattle	%	Number of households	Number of Cattle	%	Number of households	Number of Cattle	%	Number of households	Number of Cattle	%
Lushoto	33,449	70,847	78	232	465	0.5	9,524	19,976	22	40,882	91,288	100
Korogwe	10,396	100,450	97	281	421	0.4	1,264	2,669	3	11,380	103,540	100
Muheza	3,507	20,528	66	413	825	2.7	3,095	9,594	31	5,674	30,947	100
Tanga	1,314	39,685	86	45	136	0.3	1,586	6,252	14	2,356	46,072	100
Pangani	474	27,628	98	0	0	0.0	255	656	2	693	28,285	100
Handeni	5,597	79,011	99	0	0	0.0	391	651	1	5,727	79,662	100
Kilindi	4,446	184,818	100	84	84	0.0	168	168	0	4,446	185,070	100
Mkinga	3,122	165,147	99	167	446	0.3	446	1,673	1	3,513	167,266	100
Total	62,306	688,114	94	1,222	2,377	0.3	16,728	41,639	6	74,670	732,130	100

The district with the largest number of cattle is Kilindi with 185,070 (25.3%) followed by Mkinga (167266, 22.8%), Korogwe (103540, 14.1%). Other districts each had a cattle population of less than 100,000 with Pangani district having the smallest number of cattle (28,285, 0.04%) (Chart 3.20, Map 3.42). Although Kilindi had the largest number of cattle in the region, most (99.8%) of them were indigenous. Generally, the number of improved beef was insignificant and Lushoto had the largest number of dairy cattle (19,976, 22%) in the region (Chart 3.21). However, Tanga District had the highest density of cattle (92 head per km^2) (Map 3.43).





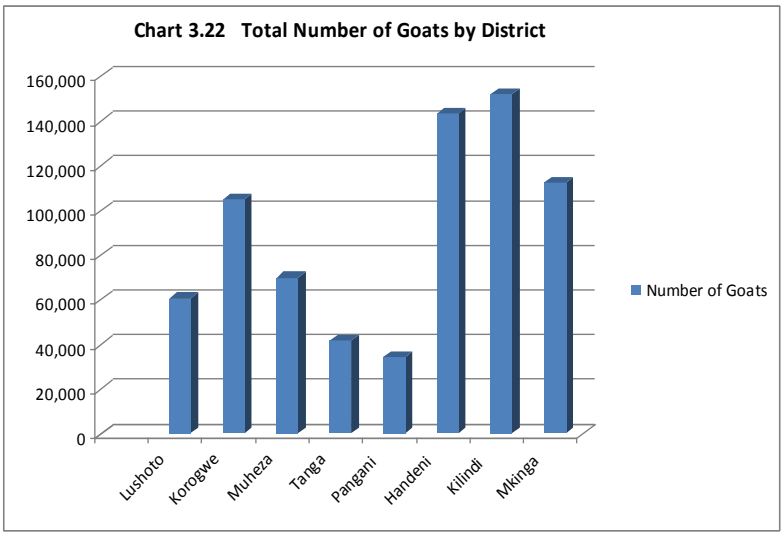
3.9.2 Goat Production

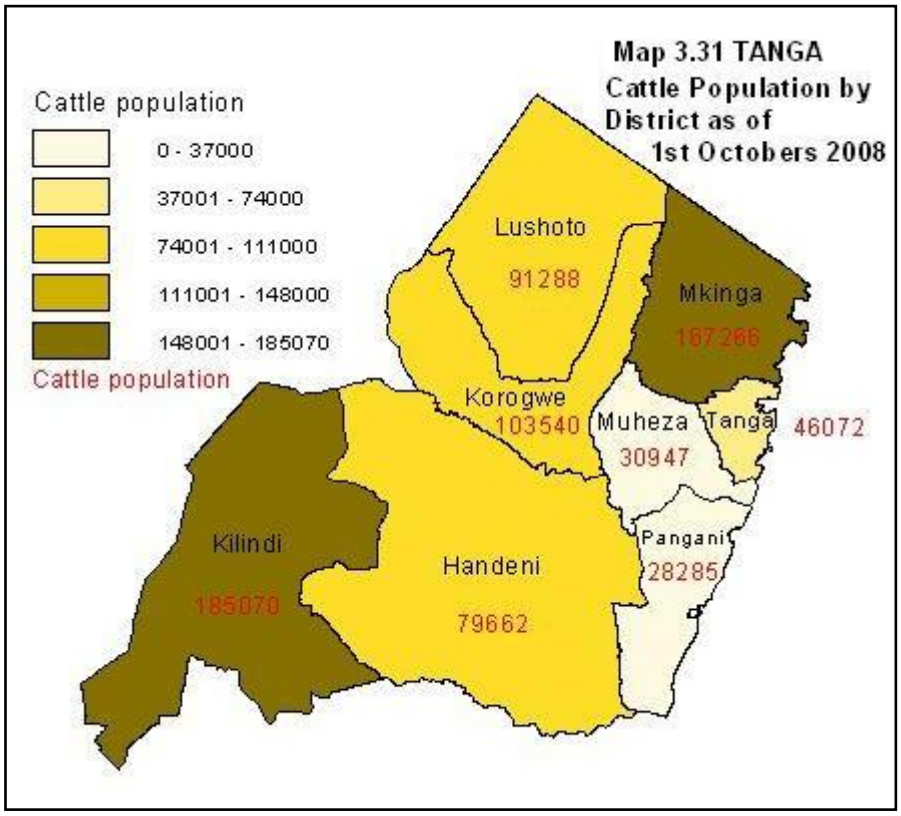
There were 9,648 households keeping 718,625 goats**.** Indigenous breeds dominates goat husbandry in the region as they constituted 98.2% of the goat population while diary goats constituted only 1.8% (Table 3.14).

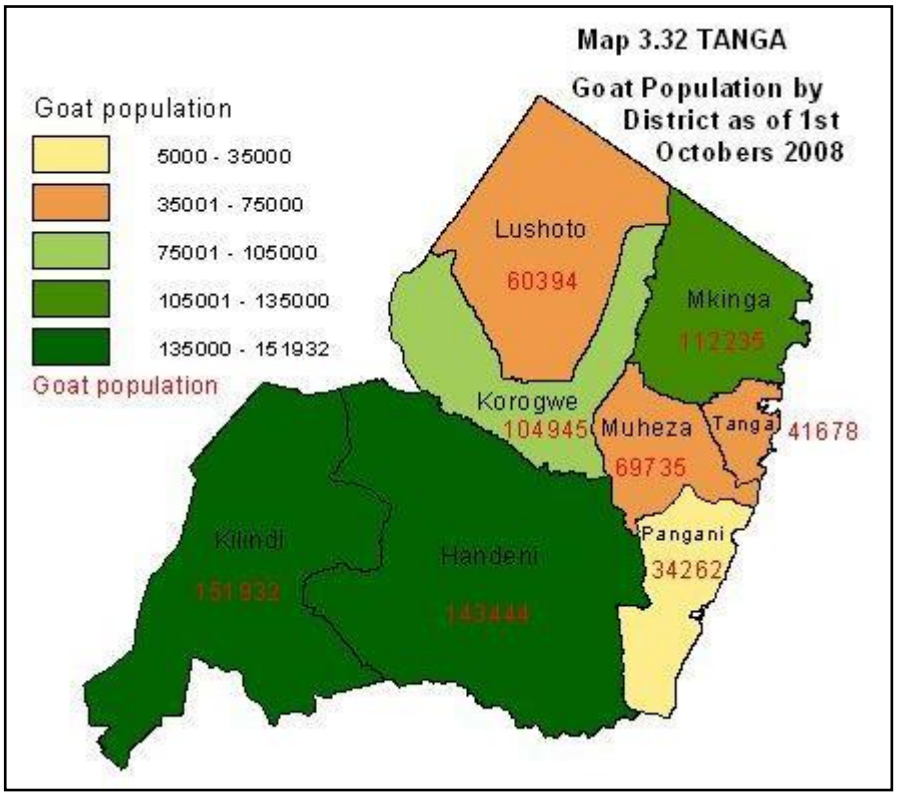
Table 3.14: GOAT PRODUCTION: Number of Goats by Type and District as of 1st October 2008

Indigenous			Improved for Meat			Improved Dairy			Total	
Number of households	Number of Goats	%	Number of households	Number of Goats	%	Number of households	Number of Goats	%	Number of households	Number of Goats
20,906	60,394	100.0	0	0	0.0	0	0	0.0	20,906	60,394
14,751	100,590	95.9	0	0	0.0	281	4,355	4.1	15,032	104,945
8,253	62,514	89.6	0	0	0.0	103	7,221	10.4	8,356	69,735
4,213	41,633	99.9	0	0	0.0	45	45	0.1	4,258	41,678
2,697	33,132	96.7	0	0	0.0	146	1,130	3.3	2,843	34,262
17,312	143,444	100.0	0	0	0.0	0	0	0.0	17,312	143,444
9,564	151,764	99.9	0	0	0.0	84	168	0.1	9,648	151,932
6300	112235	100	0	0	0	0	0	0	9648	112,235
83996	**705706**	**100**	**0**	**0**	**0**	**659**	**12919**	**0**	**9648**	**718625**

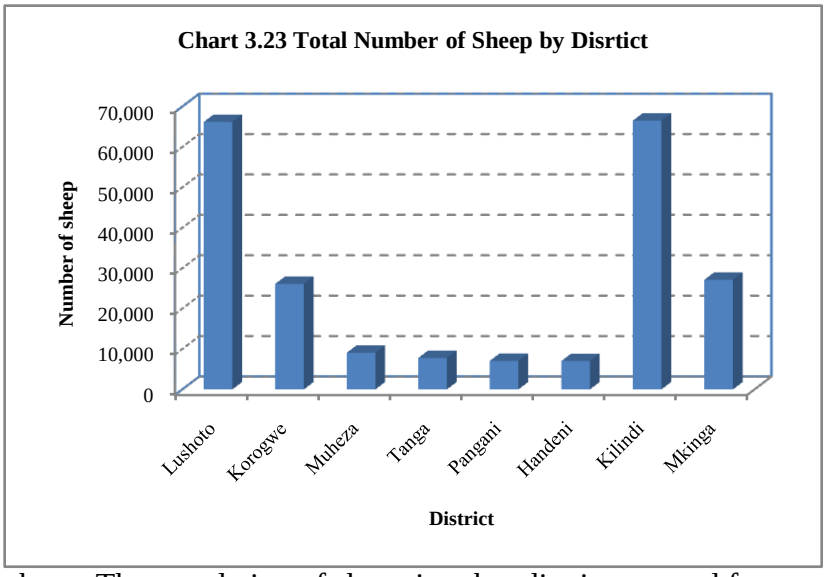
Kilindi had the largest number of goats (151,932) followed by Handeni (143,444), Mkinga (112,235), and Korogwe (104,945). Other districts each had less than 100,000 goats (Chart 3.22, Map 3.44). However, in terms of density the district which had the highest density of goats is Mkinga (2,483) while the lowest density of goats was recorded in Lushoto (605) (Map 3.45).




Map 3.31 TANGA
Cattle Population by District as of 1st Octobers 2008
Cattle population
0 - 37000
37001 - 74000
74001 - 111000
111001 - 148000
148001 - 185070
Cattle population
Lushoto
91288
Mkinga
167266
Korogwe
103540
Muheza
30947
Tanga
46072
Pangani
28285
Kilindi
185070
Handeni
79662

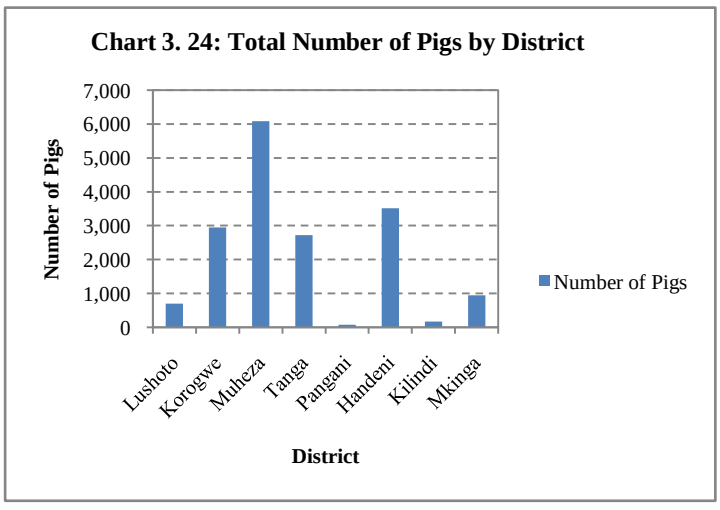

Map 3.32 TANGA
Goat Population by District as of 1st Octobers 2008
Goat population
5000 - 35000
35001 - 75000
75001 - 105000
105001 - 135000
135000 - 151932
Goat population
Lushoto
60394
Mkinga
112235
Korogwe
104945
Muheza
69735
Tanga
41678
Pangani
34262
Kilindi
151932
Handeni
143444

3.9.3 Sheep Production



Sheep production was carried out in all districts in Tanga region. The total number of sheep was 216,983 with majority (56.5%) being she sheep. However, distribution varied greatly across districts. Kilindi (66,528, 30.7%), Lushoto (66,201, 30.5%), Mkinga (27,153, 12.5%), and Korogwe (26,131, 12%) were the first four districts with the largest population of sheep. The population of sheep in other districts ranged from 7,029 (Handeni) to 9,078 (Muheza) (Chart 3.23, Map 3.46). Kilindi and Lushoto accounted for almost two-third of the sheep population in Tanga. Also there is variation of distribution of sheep by category. Except for castrated sheep, Kilindi had the largest number of almost all categories of sheep. Regarding density of sheep by district, Lushoto had the highest density (664), followed by Mkinga (601), and Kilindi (534). Other districts each had a density of sheep of less than 500 with Handeni having the lowest density (34) (Map 3.47).

3.9.4 Pig Production

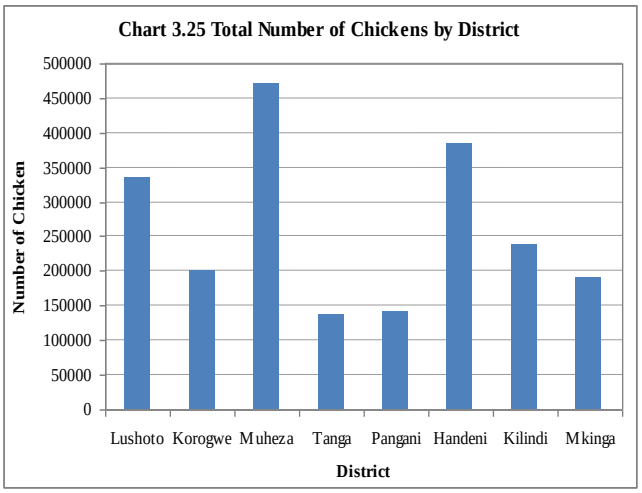


Tanga region had a total of 17,155 pigs, which were distributed by category as follows: boar (3,669), castrated male (316), sow/gilt (7,587), male piglet (1,578), and she piglet (4,004) suggesting greater preference for sow/gilt. Distribution of pig population by district show that Muheza had the largest population (6,086) followed by Handeni (3,515), Korogwe (2,950), and Tanga (2,718). Other districts had a small population of pigs (Chart 3.24, Map 3.48). Tanga District had the highest density of pigs (96)

followed by Muheza (75), Korogwe (34), Mkinga (21), Handeni (17), Lushoto (7), and Pangani (3) while Kilindi had the lowest density (1) (Map 3.49).

3.9.5 Chicken Production

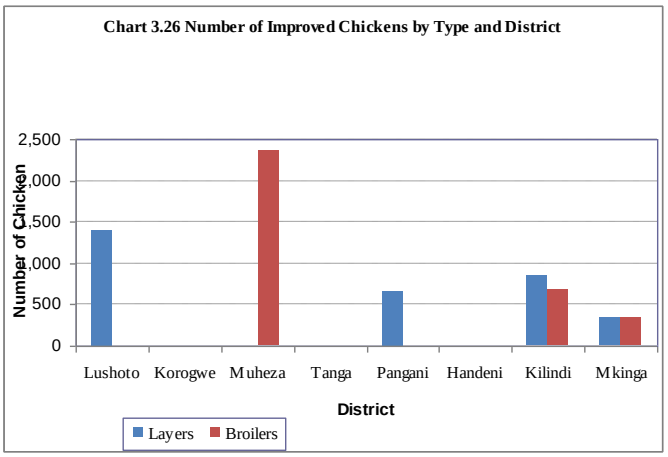
The total number of households keeping chicken was 211,636 out of which 211,460 kept 2,092,981 indigenous chickens while 408 households raised 3,223 layers and the remaining 430 households raised 3,378 broilers. Muheza had the largest population of chickens with 471,123 chickens followed by Handeni (384,382), Lushoto with 336,116, Kilindi (238,007), and Korogwe (200,477). Other districts each had less than 200,000 chickens (Chart 3.25, Map 3.50). The highest population density of chicken was recorded in Mkinga (31) followed by Tanga (21) Pangani (18), Muheza (14), and Lushoto while Handeni, Kilindi and Korogwe had a population density of less than 10 (Map 3.51).

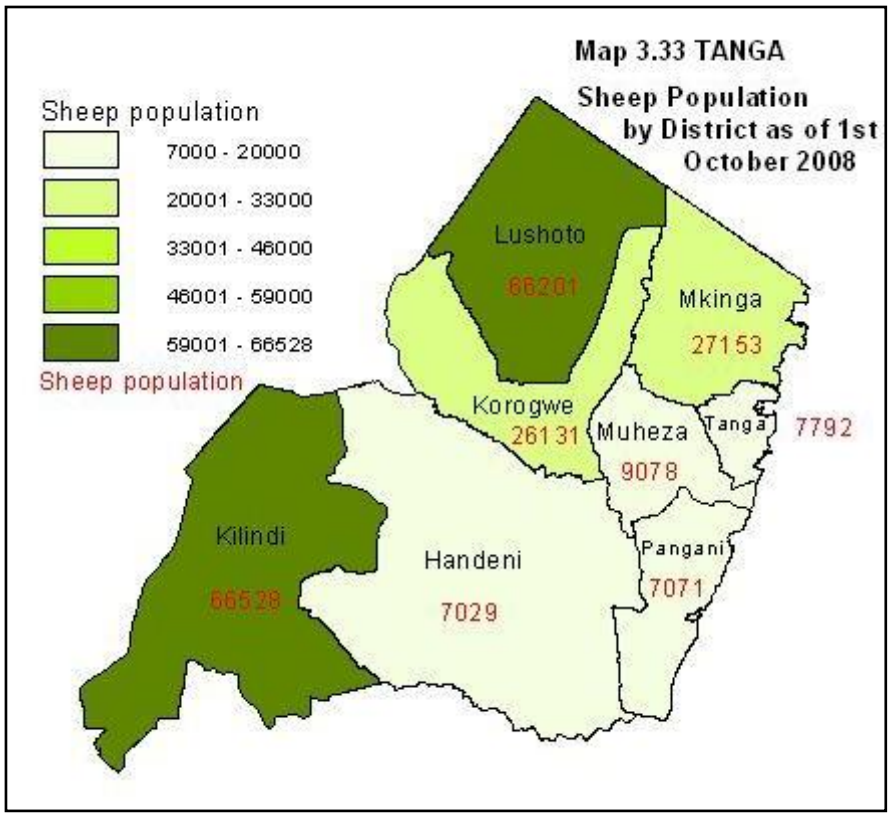


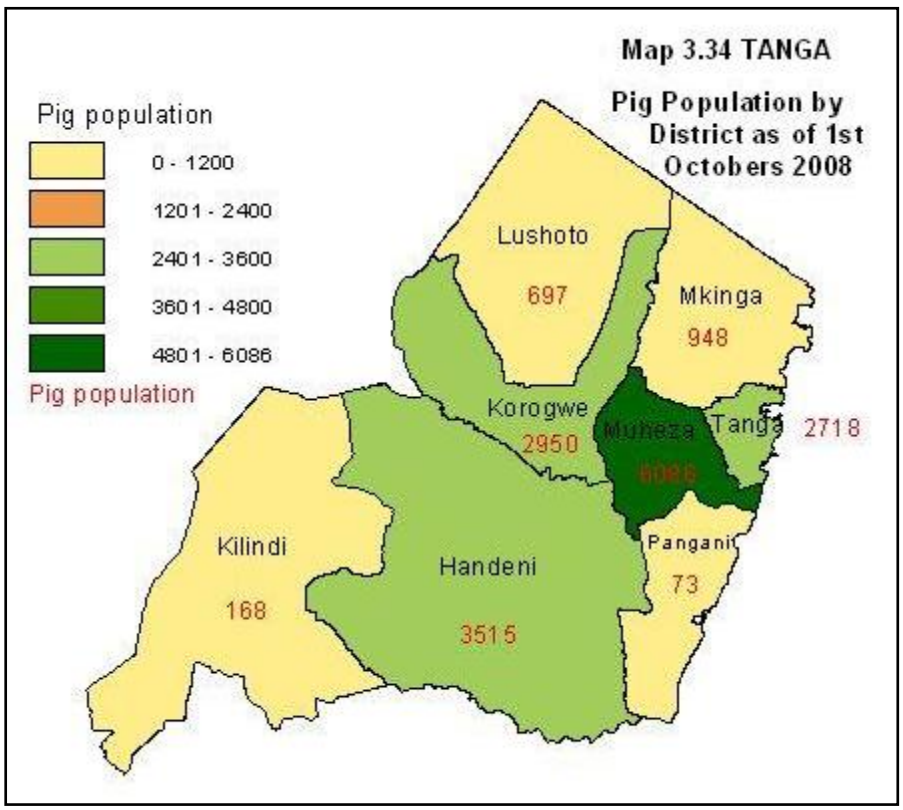
Majority of households (92%) kept indigenous chickens and Lushoto had the highest percent (95%) of indigenous chickens. Also Lushoto led in numbers of layers with 1,394 while Muheza had the largest number of broilers (2,373). Generally, in all districts there was greater preference for indigenous chickens over layers and broilers.

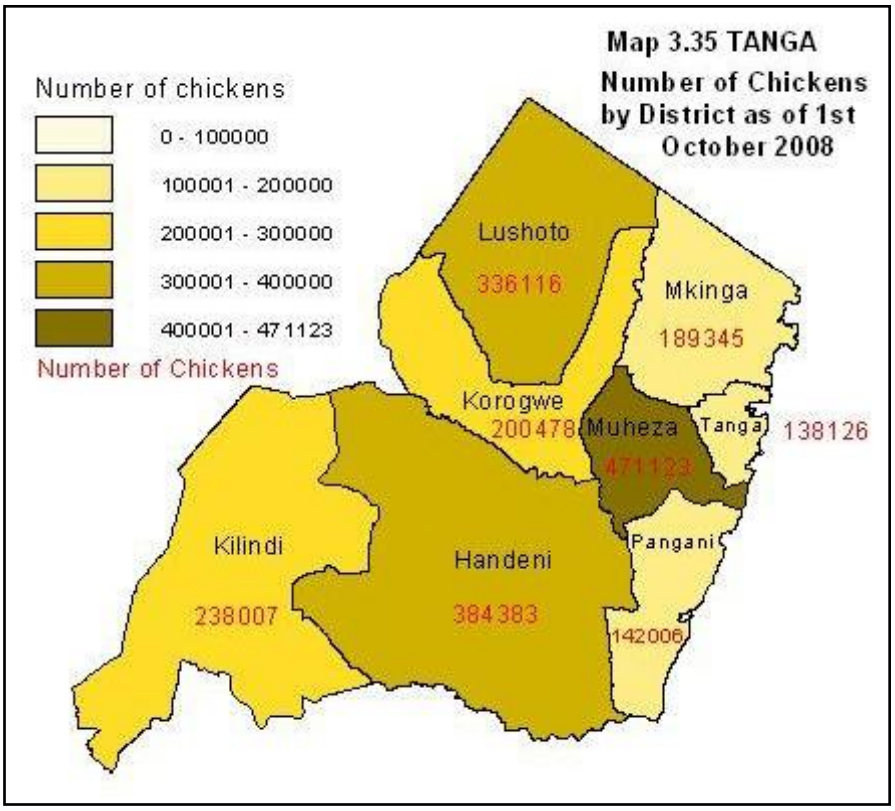
Improved chicken

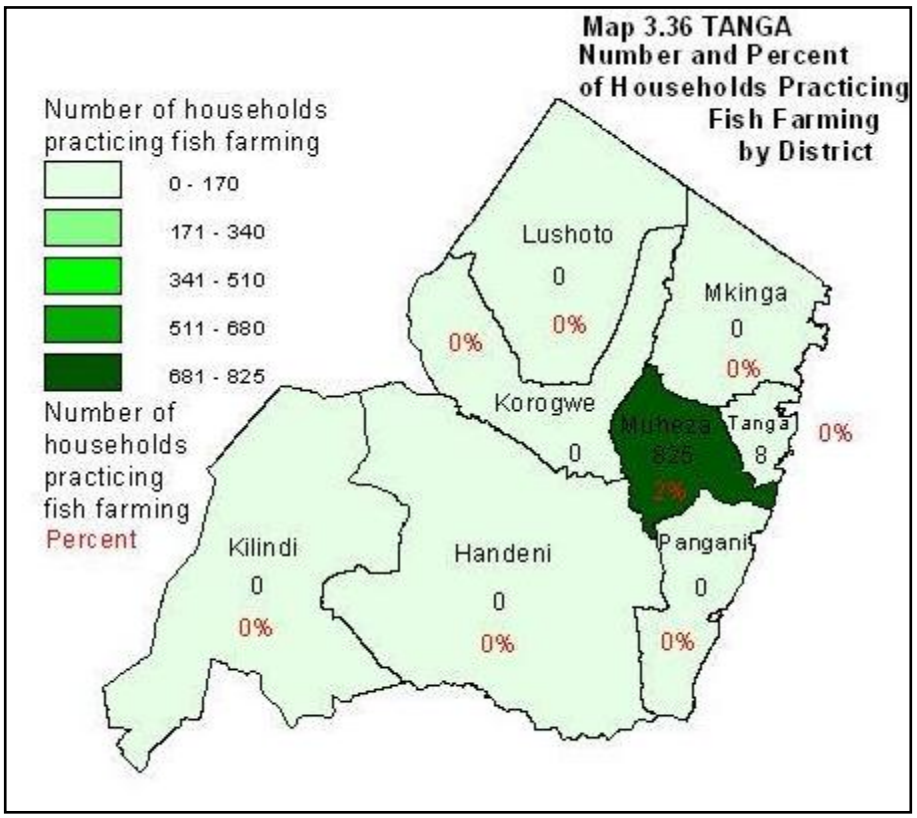
Distribution of improved chickens by district shows that Muheza had the largest number of broilers - while Lushoto had the largest number of layers Also, Kilindi and Mkinga had households raising both broilers and layers though in small numbers while there were no records on both categories of improved chickens for Tanga, Korogwe and Handeni districts (Chart 3.26).




Map 3.33 TANGA
Sheep Population by District as of 1st October 2008
Sheep population
7000 - 20000
20001 - 33000
33001 - 46000
46001 - 59000
59001 - 66528
Sheep population
Lushoto
66201
Mkinga
27153
Korogwe
26131
Muheza
9078
Tanga
7792
Kilindi
66528
Handeni
7029
Pangani
7071


Map 3.34 TANGA
Pig Population by District as of 1st Octobers 2008
Pig population
0 - 1200
1201 - 2400
2401 - 3600
3601 - 4800
4801 - 6086
Pig population
Lushoto
697
Mkinga
948
Korogwe
2950
Muheza
6086
Tanga
2718
Kilindi
168
Handeni
3515
Pangani
73


Map 3.35 TANGA
Number of Chickens by District as of 1st October 2008
Number of chickens
0 - 100000
100001 - 200000
200001 - 300000
300001 - 400000
400001 - 471123
Number of Chickens
Lushoto
336116
Mkinga
189345
Korogwe
200478
Muheza
471123
Tanga
138126
Pangani
142006
Kilindi
238007
Handeni
384383


Map 3.36 TANGA
Number and Percent of Households Practicing Fish Farming by District
Number of households practicing fish farming
0 - 170
171 - 340
341 - 510
511 - 680
681 - 825
Number of households practicing fish farming Percent
Lushoto
0
0%
Mkinga
0
0%
Korogwe
0
0%
Muheza
825
2%
Tanga
8
0%
Pangani
0
0%
Kilindi
0
0%
Handeni
0
0%

3.9.6 Fish Farming

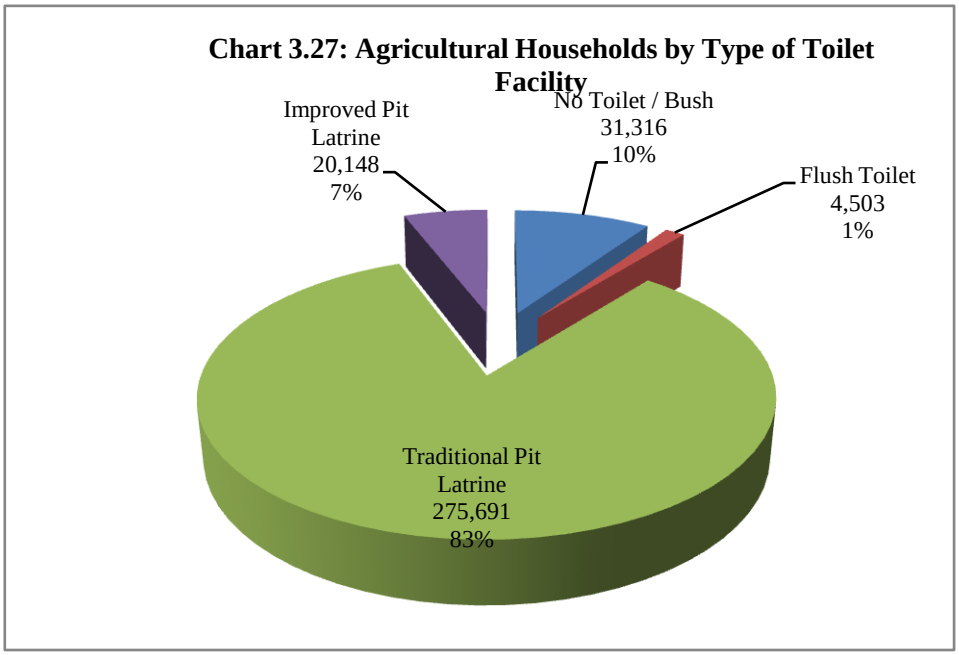
Fish farming was not practised in the region except in Muheza district (Map 3.52) where dug out pond system was used by only 825 households. Besides, 186,819 (32,495 kg) fish were harvested while 516 households sold fishes to neighbor and 309 household did not sell their fish.

3.10 Poverty Indicators

3.10.1 Types of Toilets

Out of a total of 330,779 households, 275,691 (83%) used traditional pit latrines to dispose off human waste and 19,269 (6%) households reported using improved pit latrines while 31,316 (9.%) reported not having toilets and instead disposed of human waste in the bush. Moreover, households with flush toilets accounted for only 1% (4,503) (Chart 3.27, Map 3.53).

Chart 3.27: Agricultural Households by Type of Toilet Facility



3.10.2 Roofing Materials

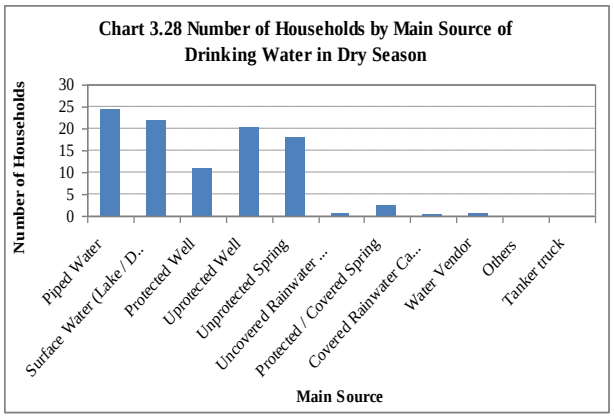
Grass/leaves were used as roofing material by a total of 131,908 households in Tanga region. The largest number of these were found in Handeni (34,885), Korogwe came a distant second (18,545) closely followed by Mkinga (16,392), Muheza (16,093), Kilindi (14,094), Lushoto (11,150), and Tanga (10,872). Furthermore, Pangani had the smallest number of households using grass/leaves as roofing materials (9,878).

However, Pangani district had the highest percentage of households with grass/leaves roofing (75%) followed by Mkinga (73%), Tanga (70%), Handeni (66%), Kilindi (41%), Muheza (39%), and Korogwe (33%) while Lushoto recorded the lowest percentage (12%) (Map 3.54).

3.10.3 Access to Drinking Water

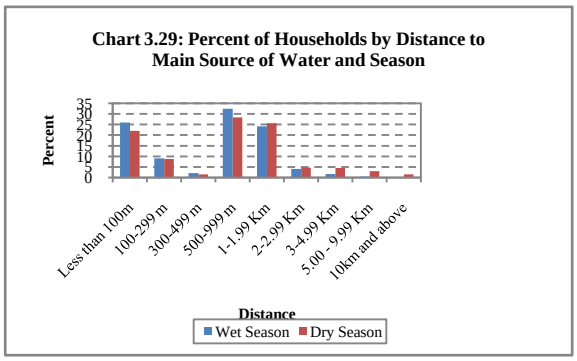
Main Source of Water in Dry Season

Households relied on various sources of drinking water during the dry season. However, the main sources of drinking water during this season were piped water (24%) followed by unprotected wells (21%) and surface water (20%). Other sources of water were less significant (Chart 3.28).



Distance to the Main Source of Water in Dry and Wet Seasons

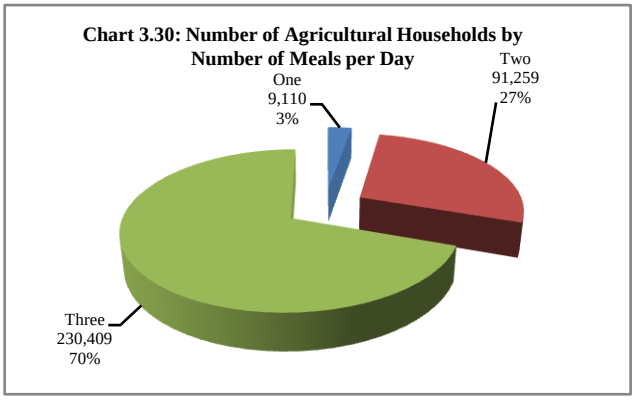
Even though the distance to the main source of water varied by season, the difference in distances between dry and wet seasons did not seem to be quite significant. In fact, the highest percent (32%) of households indicated that the distance to the main source water during the wet season was 500-999m. Similarly, the highest percent (28%) of households mentioned that during the dry season the main source of water was located 500-999m. Generally, the distance to the main source of water tended to increase during the dry season (Chart 3.29).



3.10.4 Food Consumption Pattern

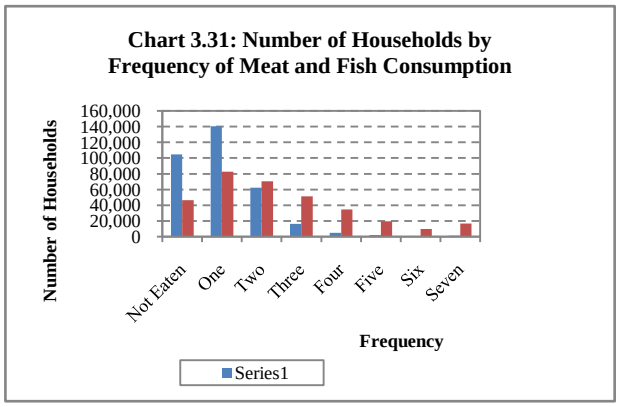
3.10.4.1 Number of Meals

A large number of households (230,409, 69%) had three meals per day. In contrast, 91,259 (28%) households had two meals per day while 9,110 (3%) ate only once. Specifically, Lushoto had the highest percent (above regional average) of 5% reporting to have eaten one meal while the rest recorded the number of meals below the regional average of households who had eaten one meal. Similarly, Mkinga had the highest percent (43%) of households who had had two meals followed by Tanga (39%) and Lushoto (32%) while other districts had a lower percent than the regional average (28%). Only four out of eight (8) districts had households above the regional average (70%) that had three meals. These are Handeni (79%), Muheza (78%), Korogwe (76%), and Kilindi (71%) (Chart 3.30, Map 3.55).



3.10.4.2 Frequency of Consumption of Meat and Fish

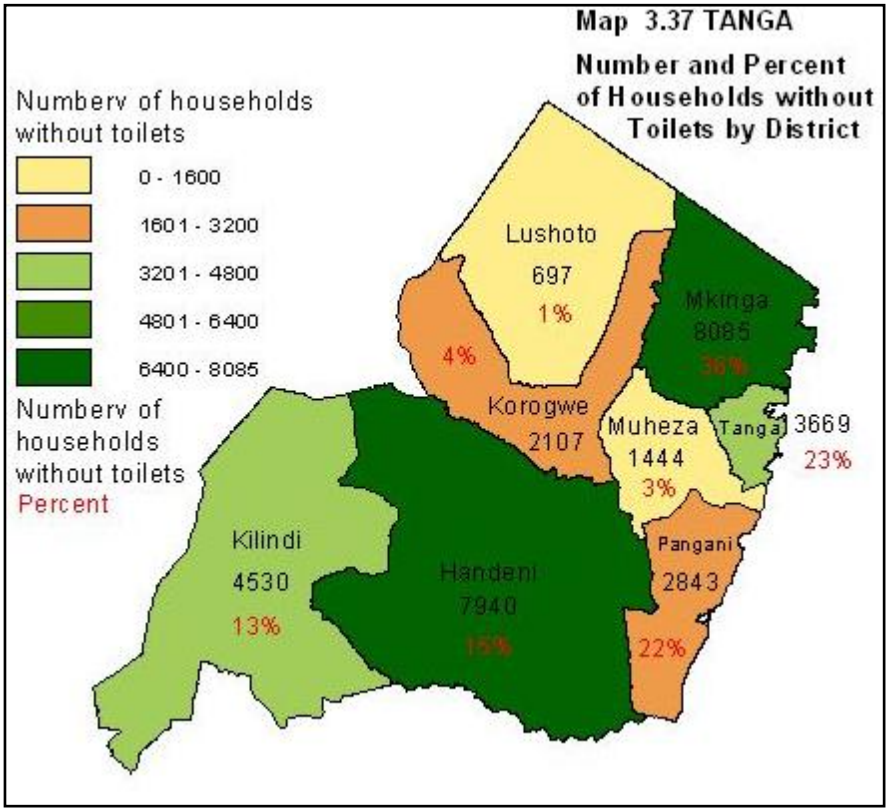
A larger number of households did not eat meat (104,499) than those who had not eaten fish (46,241). Moreover, the largest number of households (140,361) had eaten meat once followed by 62,360 who ate meat twice and thrice (15,949) (Map 3.56). In the case of fish consumption, the largest number of households (82,725) reported to have eaten fish followed by those who said they had eaten fish twice (70,240) and those that ate fish thrice (51,129) (Chart 3.31, Map 3.57).

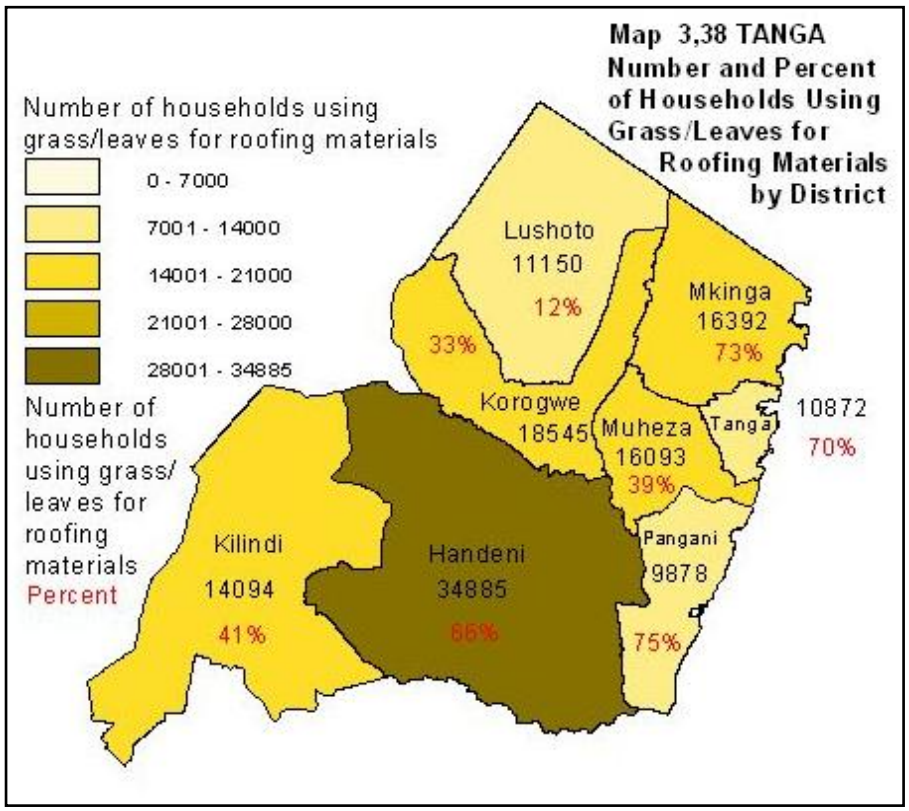


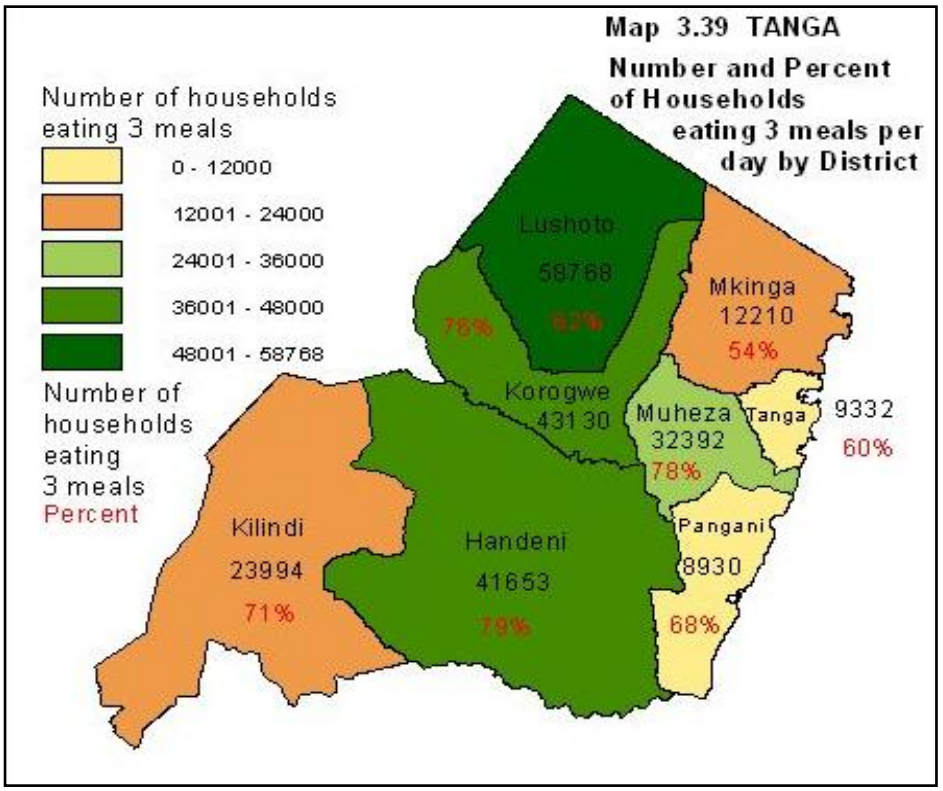
3.10.4.3 Food Security

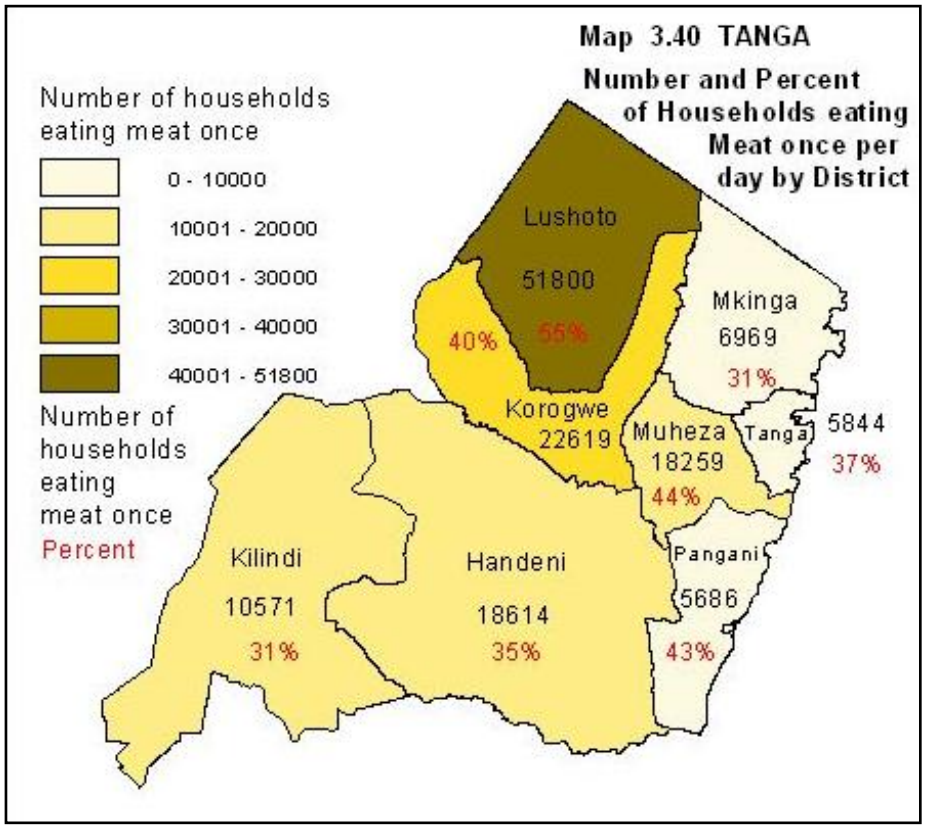
A total of 244,860 households experienced food insecurity. Of these Lushoto had the largest number (75,957) followed by Handeni (40,612), Korogwe (42,709), Muheza (28,472), Kilindi (19,044), Mkinga (16,336), Tanga (77,597), and Pangani (10,133).

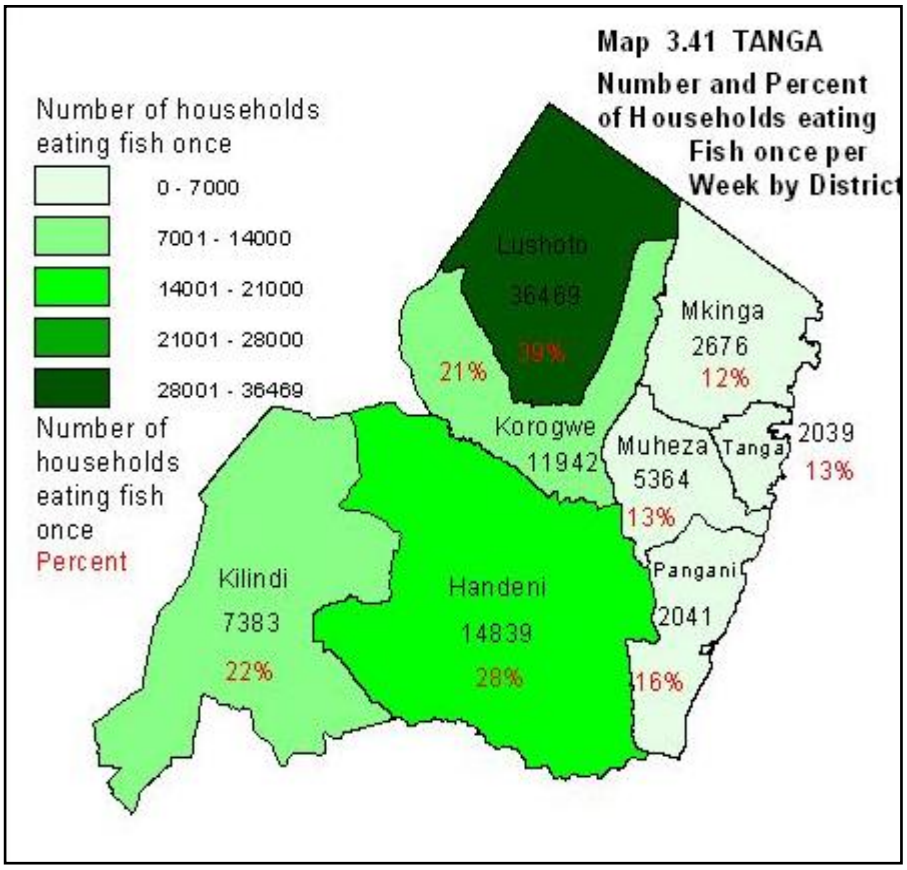
Also, Lushoto had the highest percent of households that experienced food insecurity (23) followed by Korogwe (13%), Handeni (12%), Muheza (9%), Kilindi (6%), Mkinga (5%) Tanga (4%) and Pangani 3%) (Map 3.58).


Map 3.37 TANGA
Number and Percent of Households without Toilets by District
Numberv of households without toilets
0 - 1600
1601 - 3200
3201 - 4800
4801 - 6400
6400 - 8085
Numberv of households without toilets Percent
Lushoto
697
1%
Mkinga
8085
36%
4%
Korogwe
2107
Muheza
1444
3%
Tanga
3669
23%
Pangani
2843
22%
Kilindi
4530
13%
Handeni
7940
15%


Map 3,38 TANGA
Number and Percent of Households Using Grass/Leaves for Roofing Materials by District
Number of households using grass/leaves for roofing materials
0 - 7000
7001 - 14000
14001 - 21000
21001 - 28000
28001 - 34885
Number of households using grass/ leaves for roofing materials Percent
Lushoto
11150
12%
Mkinga
16392
73%
33%
Korogwe
18545
Muheza
16093
39%
Tanga
10872
70%
Pangani
9878
75%
Kilindi
14094
41%
Handeni
34885
66%


Map 3.39 TANGA
Number and Percent of Households eating 3 meals per day by District
Number of households eating 3 meals
0 - 12000
12001 - 24000
24001 - 36000
36001 - 48000
48001 - 58768
Number of households eating 3 meals Percent
Lushoto
58768
78%
Mkinga
12210
54%
Korogwe
43130
Muheza
32392
78%
Tanga
9332
60%
Pangani
8930
68%
Kilindi
23994
71%
Handeni
41653
79%


Map 3.40 TANGA
Number and Percent of Households eating Meat once per day by District
Number of households eating meat once
0 - 10000
10001 - 20000
20001 - 30000
30001 - 40000
40001 - 51800
Number of households eating meat once Percent
Lushoto
51800
40%
56%
Mkinga
6969
31%
Korogwe
22619
Muheza
18259
44%
Tanga
5844
37%
Pangani
5686
43%
Kilindi
10571
31%
Handeni
18614
35%


Map 3.41 TANGA
Number and Percent of Households eating Fish once per Week by District
Number of households eating fish once
0 - 7000
7001 - 14000
14001 - 21000
21001 - 28000
28001 - 36469
Number of households eating fish once
Percent
Lushoto
36469
39%
21%
Mkinga
2676
12%
Korogwe
11942
Muheza
5364
13%
Tanga
2039
13%
Pangani
2041
16%
Handeni
14839
28%
Kilindi
7383
22%

4 TANGA PROFILES

This section presents the status of crops and livestock production, access to natural resources and services, demography and poverty for both the region as a whole and for each district.

4.1 Tanga Region Profile

The region profile describes the status of the Agriculture sector in the region and compares it with other regions in the country.

Tanga region has a land area of around 610,519 hectares under crop production and it has a relatively large number of crop growing households compared to other regions. It has the fifth largest number of crop growing households per square kilometer. The available land area per household is low (2.1 ha/household) with a utilized land area of 18 ha per crop growing households. Whilst most of the region is under annual crop production, it has significant areas of permanent crops mainly planted as a mixture with annual crops. It has the eighth largest planted area of cereals with irish potatoes, tomatoes, maize, beans, cabbage pady, onion and chillies having the third largest planted area in the country. Production of water mellon, egg plant, carrot, and yams is low.

Tanga Region had the first largest area planted with oranges. Small quantities of durian, rambutan guava, are produced.

Compared to other regions, Tanga has a decline in area planted with irrigation and the number of households practicing irrigation has remained more or less unchanged over the period of 15 years prior to the census. The source of irrigation water is equally split between rivers and canals. Gravity is the most common method of obtaining irrigation water closely followed by buckets/watering cans. Application of irrigation is equally split between buckets/watering cans and flood.

The method of cultivation in Tanga is almost entirely by hand. A very small quantity of fertilizer is used while pesticides are more or less used in the region. Compared to other regions, smallholder households in Tanga store moderate quantities of maize. Most of the storage is mostly in locally made traditional cribs while small amounts are stored in sacks or open drums.

A relatively high number of households sell crops compared to other regions. The large majority of households process their crops using their neighbour's machines and very few households sell their processed produce.

Tanga has an increase of 1.3% of livestock population in the country compared to 2002/03 agricultural census. Most of the cattle kept are indigenous, however there are more dairy cattle kept than in most other regions. Milk production is moderate and the farm gate price of milk is average. Furthermore, there is an increase of 204,005 goats between the two Agricultural Censuses (2002/03 and 2007/07) while a high increase of the population of sheep and pigs has also been observed. On the other hand, Tanga has a high population of chickens, almost entirely made up of indigenous types.

4.2 District Profile

The following district profiles highlight the characteristics of each district based on population, main crops, livestock, access to services and some poverty indicators.

4.2.1 Lushoto

Like in other districts in Tanga region, Lushoto had the highest percent of male-headed households (74%) than female headed households (26%).

Lushoto had the fourth highest percent (78%) of literacy rate in the region after Muheza (82%), Pangani (80%) and Tanga (80%).

Lushoto had the highest percent (92%) of land utilization in the region. Besides, the district accounted for the high percent (38%) of the area planted during the dry season. Besides, the district had 46% the area grown to maize and the highest (50%) percent of the area planted with fertilizer in the region.

Lushoto had the largest area under irrigation (4,177 ha) followed by Korogwe (3,799 ha). In fact the area under irrigation in the two districts accounted for about 86% of the total area under irrigation in the region. Also it ranked second (4.6%) after Korogwe which had 5.5% of percent of the area planted with irrigation.

Lushoto had the second highest percent (16.5%) of households which stored their crops after Korogwe (21%) followed by Handeni (15%) and Muheza (13%) and was among the first three districts with the largest number of households which sold crops. Specifically, Lushoto had, 108,942 (81%) households, followed by Korogwe (53,105 39%), and Handeni (48,682 36%).

Lushoto had the highest percent households with access to extension advice (83%, 78,048) and had the first largest number of households, which used improved seeds (19,047) followed by Korogwe (14,049).

Lushoto had the second largest number of sheep (66,201, 30.5%) after Kilindi (66,528, 30.7); the third largest population of chicken (336,116).

Regarding poverty indicators, the district had the fifth largest number of households, which used grass/leaves (11,150); the highest percent (above regional average of 5%) of households reporting to have eaten one meal and third highest percent (32%) of households who ate two meals. On the other hand, it recorded the third highest percent (74%) of households that experienced food insecurity.

4.2.2 Korogwe

Korogwe recorded the highest density of agricultural households in the region (664/km^2). As in most other districts, majority of households in Korogwe were male-headed. Korogwe (77%) together with Muheza (81.6%), Tanga (80.5%), Pangani (79.6%), and Lushoto (78.4%) recorded a literacy rate above the regional average.

In Korogwe as in Muheza, Tanga and Pangani had a land utilization of 86%, 95% and 94% respectively. Out of the land planted during the dry season, Korogwe recorded the lowest percent. The district had the third largest area planted with maize (54,273 ha) after Handeni (79,794 ha) and Kilindi (55,896 ha). And recorded the first largest area planted with paddy (4,162 ha).

Korogwe had the second largest area planted with irrigation (3,799 ha) after Lushoto (4,177 ha). In fact, the area under irrigation in the two districts accounted for about 86% of the total area under

irrigation in the region. Korogwe District had the second largest number of households that sold crops (53,105, 39%) after Lushoto (108,942, 80.6%) households

Korogwe had the second highest percent (71%) of household having access to crop extension advices after Lushoto (83%). Furthermore, it had the first largest number of households, which used improved seeds and the second highest percent (25%) after Tanga (26%) of households using improved seeds.

The district had the fourth largest population of sheep (26,131, 12%) after Kilindi (66,528, 30.7%), Lushoto (66,201, 30.5%), and Mkinga (27,153, 12.5%) and also it had the fourth largest population of chicken (200,477).

The total number of households using grass/leaves as roofing material in Lushoto was 18,545 making the district rank second in the region after Handeni (34,885). Also it had the third highest percent (76%) of households that had three meals in the region and together with Muheza district had the fifth highest percent (56%) of households reporting food insecurity.

4.2.3 Muheza

Muheza District had the third highest density of agricultural households (515/km^2). As in Korogwe, Muheza, Tanga, Handeni, Kilindi and Mkinga majority of households were headed by males.

Muheza District recorded the highest literacy rate (81.6%) followed by Tanga (80.5%), Pangani (79.6%), Lushoto (78.4%), and Korogwe (77%) and it had the lowest illiteracy level (18.4%). Furthermore, when both Swahili and English are combined, Muheza had the highest percent of literacy rate (7.1%).

In Muheza land utilization was 95%. More specifically, it had the largest recorded planted with maize (48,526.25 ha). Also it had the second largest area planted with paddy (689 ha) after Korogwe (4,162 ha).

The district had the third largest area planted with irrigation **(**179 ha) and fifth highest percent (0.4%) of area under irrigation.

Muheza had 13% of households which stored crops and with Korogwe had the third highest percent of households with access to extension advice (71%) after Lushoto (83%) as well as the third largest number of households using improved seeds (6,808) but ranked poorly in terms of percent of households using improved seeds.

Muheza had the first largest population of chickens (471,123) followed by Handeni (384,382), Lushoto (336,116), Kilindi (238,007), and Korogwe (200,477). It had the second highest percent (78%) after Handeni (79%) of households reporting eating three meals. On the other hand, with Korogwe it recorded the fifth highest percent of households reporting food insecurity (56%).

4.2.4 Tanga

Tanga District had the second highest density of households (553/km^2) after Korogwe (664/km^2).

Tanga had the second highest literacy rate (80.5%) after Muheza (81.6%) and recorded the highest literacy rate in Swahili (74.8%).

Tanga recorded a land utilization of 93 % and had the smallest area planted with maize (7,896 ha).

The District had the fifth highest percent of households storing crops (3%) and had the lowest percent of households selling crops (4.1%).

It had the fourth highest percent of crop growing households reporting access to extension advice (67%) after Lushoto (83%), Korogwe (71%) and Muheza (71%). In addition, it had the highest percent (26%) of households using improved seeds and had the lowest percent of households with erosion control facilities (1%).

Tanga District had the third largest percent (70%) of households using grass/leaves as roofing material after Mkinga (73%), and (75%) of Pangani**.** It had the second highest percent of households that ate two meals (39%) after Mkinga (43%) while recording below the regional average (60%) of households eating three meals. Moreover, it had the sixth highest percent of households experiencing food insecurity (50%).

4.2.5 Pangani

In Pangani District majority of households were headed by females. The District had the third highest literacy rate (79.6%).

Pangani had 88.6% of land utilization and recorded the smallest planted area (12,703 ha).

It had the third largest planted area with cassava (30 ha) after Kilindi (102 ha) and Lushoto (89 ha). However, it had the third largest planted area per cassava growing households (0.40 ha) after Kilindi (0.61 ha).

Pangani and Handeni are the only two districts where no irrigation was done.

The district had the lowest percent (3%) of households storing crops. The other districts were Tanga (3%) and Mkinga (4%). Also, commercial banks were the sole source of credit in the district.

Besides, the district had the fifth highest percent of crop growing households reporting access to extension advice (67%) and had the third highest percent of households using improved seeds (24%).

It terms of poverty indicators, Pangani had the highest percent of households using grass/leaves as roofing materials (75%) and the lowest percent of households experiencing household food insecurity (47%).

4.2.6 Handeni

Handeni had the lowest density of agricultural households in the region (255/km^2). Majority of households in the district were male-headed. This was also the case for all other districts in the region. It also recorded a literacy rate below the regional average (68%).

Handeni recorded the lowest land utilization (83.5%) but had the second largest planted area ((96,339 ha) after Lushoto (96,426 ha), followed by Kilindi (79,064 ha), (Korogwe (68,812), Muheza (55,842), Mkinga (17,288), Pangani (12,703) and Tanga (9,251),

Handeni had the largest area planted with maize (79,794 ha) followed by Kilindi (55,896 ha), and Korogwe (54,273 ha) and the second largest planted area per maize growing households (1.18) after Kilindi (1.33 ha). It had the smallest area per paddy growing households (0.4 ha).

Handeni had the highest percent of planted area without fertilizer (100%) and with no crops planted with irrigation. However, the district had the fourth highest percent of crop growing households, which stored crops (15%) and the third largest number of crop selling households (48,682, 36%).

Handeni recorded the lowest percent of households with access to extension advice (53%) and the lowest percent of households using improved seeds (8%).

The District had the second largest population of chickens (384,382) after Muheza (471,123).
Handeni had the highest percent (66%) of households using grass/leaves as roofing material and the second highest percent of households reporting food insecurity (76%).

4.2.7 Kilindi

Kilindi District recorded the lowest literacy level in the region (62%); the highest rate of illiteracy level (40%). Also, it had the lowest percent of literacy when both Swahili and English are combined (3%).

Kilindi and Mkinga recorded the lowest utilized land (85%) each. However, the district recorded the second largest planted area (79,064 ha) after Handeni (96,339 ha).

Kilindi had the second largest area planted with maize (55,896 ha) after Handeni (79,794 ha) and recorded the first largest planted area per crop growing households (1.33 ha) followed by Handeni (1.18). Furthermore, it had the largest planted area with cassava (102 ha) followed by Lushoto (89 ha) and the largest planted area per cassava growing households (0.61 ha).

Kilindi had the second highest percent of area planted without fertilizer (Kilindi) but had the third highest percent of area planted with irrigation (0.9%) after Korogwe (5.5%) and Lushoto (4.6%).

Kilindi had the fifth highest percent of crop selling households (26%) and was also the only district where family/friends were only used as sources of credit. It had the sixth highest percent of crop growing households reporting access to extension advice (66%) and was among districts with less than 20% of households using improved seeds.

The district had the first largest population of sheep (66,528, 30.7%) and the fourth largest population of chickens (238,007).

Kilindi had the fourth largest number of households using grass/leaves as roofing material.
Kilindi is one of the four districts which recorded households having three meals per day higher than the regional average (71%) and had the fourth highest percent of households experiencing food insecurity (61%).

4.2.8 Mkinga

Mkinga had the sixth lowest percent of land utilization (86%) and had the second highest percent of the area planted during the dry season (64%) after Lushoto (71%)

It had the fourth highest percent of land area planted with irrigation **(**0.8%) and had the lowest percent of households, which reported storing crops (2%).

It is one of the districts with the lowest recorded percent of households with access to crop extension advice (50%) followed by Handeni (53%).

The District had the smallest number of households using improved seeds (2,565). Also, it is one of the districts with low percent of households having erosion control facilities

The District had the third largest population of sheep (27,153, 12.5%).

Mkinga had the third largest number of households using grass/leaves for roofing material (16,392). However, it had the highest percent (43%) of households reporting having two meals followed by Tanga (39%). Moreover, it had the highest percent of households experiencing food insecurity (80%).

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APPENDIX II: TABLES

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

District	Rural Households involved in Agriculture	% of Total Rural Households	Rural households NOT involved in Agriculture	% of Total Rural Households	Total Rural Households	% of Total Households	Number of Urban Households	% of Total Households	Total Number of Households
Lushoto	94,075	99.7	252	0.3	94,327	28	7,240	10.71	101,568
Korogwe	56,898	98.6	788	1.4	57,686	17	9,614	14.2	67,300
Muheza	41,779	98.2	747	1.8	42,526	13	28,340	41.9	70,866
Tanga	15,629	85.3	2,695	14.7	18,324	5	43,231	63.9	61,555
Pangani	13,122	86.9	1,975	13.1	15,097	4	-1,855	-2.7	13,242
Handeni	52,718	98.2	953	1.8	53,671	16	4,670	6.9	58,341
Kilindi	33,977	99.1	294	0.9	34,271	10	-304	-0.4	33,967
Mkinga	22,581	96.8	747	3.2	23,328	7	-23,328	-34.5	
Total	330,779	97.5	8,451	2.5	339,230	83	67,610	16.6	406,840

2.1.2 TYPE OF AGRICULTURE HH: 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	%			
Lushoto	45,296	48	465	0	0	0	48,315	51	94,075	93,611	48,780
Korogwe	40,882	72	0	0	140	0	15,875	28	56,898	56,758	16,016
Muheza	29,400	70	516	1	0	0	11,863	28	41,779	41,263	12,379
Tanga	10,918	70	589	4	0	0	4,122	26	15,629	15,040	4,711
Pangani	10,570	81	73	1	36	0	2,442	19	13,122	13,012	2,551
Handeni	36,317	69	260	0	0	0	16,141	31	52,718	52,457	16,401
Kilindi	25,336	75	503	1	0	0	8,138	24	33,977	33,474	8,641
Mkinga	15,221	67	725	3	56	0	6,579	29	22,581	21,800	7,360
Total	213,940	65	3,131	1	233	0	113,476	34	330,779	327,415	116,839

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

Size of holding (ha)	Type of Agriculture Household									
	Crops only		Livestock only		Pastoralist		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	31,591	72	1,390	3	233	1	10,796	25	44,010	100
0.51 - 1.00	49,484	67	652	1	0	0	23,291	32	73,426	100
1.01 - 1.50	41,809	64	490	1	0	0	23,110	35	65,409	100
1.51 - 2.00	19,803	59	0	0	0	0	13,850	41	33,653	100
2.01 - 2.50	27,341	62	148	0	0	0	16,370	37	43,859	100
2.51 - 3.00	7,572	65	0	0	0	0	4,144	35	11,717	100
3.01 - 3.50	7,203	64	0	0	0	0	4,137	36	11,340	100
3.51 - 4.00	3,378	62	0	0	0	0	2,068	38	5,446	100
4.01 -4.50	8,997	68	73	1	0	0	4,247	32	13,316	100
4.51 -5.00	3,774	70	0	0	0	0	1,609	30	5,383	100
Above 5	12,988	56	378	2	0	0	9,854	42	23,220	100
Total	213,940	65	3,131	1	233	0	113,476	34	330,779	100

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

Size of holding (ha)	Type of Agriculture Household									
	Crops only		Livestock only		Pastoralist		Crops and Livestock		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0.01 - 0.50	31,591	15	1,390	44	233	100	10,796	10	44,010	13
0.51 - 1.00	49,484	23	652	21	0	0	23,291	21	73,426	22
1.01 - 1.50	41,809	20	490	16	0	0	23,110	20	65,409	20
1.51 - 2.00	19,803	9	0	0	0	0	13,850	12	33,653	10
2.01 - 2.50	27,341	13	148	5	0	0	16,370	14	43,859	13
2.51 - 3.00	7,572	4	0	0	0	0	4,144	4	11,717	4
3.01 - 3.50	7,203	3	0	0	0	0	4,137	4	11,340	3
3.51 - 4.00	3,378	2	0	0	0	0	2,068	2	5,446	2
4.01 -4.50	8,997	4	73	2	0	0	4,247	4	13,316	4
4.51 -5.00	3,774	2	0	0	0	0	1,609	1	5,383	2
Above 5	12,988	6	378	12	0	0	9,854	9	23,220	7
Total	213,940	100	3,131	100	233	100	113,476	100	330,779	100

HOUSEHOLD DEMOGRAPH

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	
Lushoto	69,685	74	24,390	26	94,075
Korogwe	42,568	75	14,330	25	56,898
Muheza	32,701	78	9,078	22	41,779
Tanga	12,141	78	3,488	22	15,629
Pangani	9,805	75	3,317	25	13,122
Handeni	39,441	75	13,277	25	52,718
Kilindi	26,762	79	7,215	21	33,977
Mkinga	16,782	74	5,799	26	22,581
Total	249,885	76	80,893	24	330,779

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

District	Male		Female		Total
	Number	Percent	Number	Percent	
Lushoto	212,076	47	234,840	53	446,916
Korogwe	133,886	49	139,225	51	273,111
Muheza	96,040	50	96,350	50	192,390
Tanga	38,054	50	38,144	50	76,198
Pangani	29,050	48	31,018	52	60,068
Handeni	133,161	49	137,326	51	270,487
Kilindi	89,263	50	88,676	50	177,939
Mkinga	59,658	50	59,100	50	118,759
Total	791,188	49	824,679	51	1615866

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

	Sex					
	Male		Female		Total	
Age Group	Number	%	Number	%	Number	%
Less than 4	**99,696**	**47**	**111,358**	**53**	**211,054**	**100**
5 - 9	**123,421**	**51**	**118,498**	**49**	**241,918**	**100**
10 - 14	**127,006**	**51**	**121,653**	**49**	**248,659**	**100**
15 - 19	**100,644**	**52**	**91,244**	**48**	**191,888**	**100**
20 - 24	**48,823**	**46**	**56,394**	**54**	**105,217**	**100**
25 - 29	**41,480**	**39**	**64,012**	**61**	**105,492**	**100**
30 - 34	**40,230**	**42**	**56,633**	**58**	**96,863**	**100**
35 - 39	**44,396**	**48**	**47,777**	**52**	**92,173**	**100**
40 - 44	**32,056**	**50**	**32,629**	**50**	**64,684**	**100**
45 - 49	32,334	53	28,800	47	61,133	100
50 - 54	21,777	49	22,816	51	44,593	100
55 - 59	20,706	56	16,435	44	37,141	100
60 - 64	16,860	51	15,974	49	32,834	100
65 - 69	13,124	52	11,966	48	25,090	100
70 - 74	12,632	50	12,426	50	25,058	100
75 - 79	7,505	56	5,981	44	13,486	100
80 - 84	4,039	47	4,508	53	8,548	100
Above 85	4,461	44	5,576	56	10,036	100
Total	791,188	49	824,679	51	2.E+06	100

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

District	Married						Not Married					
	Male		Female		Total		Male		Female		Total	
Lushoto	62,485	85	10,917	15	73,402	100	929	80	232	20	1,161	100
Korogwe	38,634	90	4,496	10	43,130	100	1,124	36	1,967	64	3,091	100
Muheza	28,162	92	2,579	8	30,741	100	1,341	81	309	19	1,651	100
Tanga	10,691	87	1,586	13	12,277	100	589	81	136	19	725	100
Pangani	8,128	88	1,130	12	9,258	100	656	62	401	38	1,057	100
Handeni	37,098	86	5,858	14	42,955	100	781	33	1,562	67	2,343	100
Kilindi	24,245	87	3,524	13	27,769	100	755	56	587	44	1,342	100
Mkinga	14,496	93	1,059	7	15,556	100	781	61	502	39	1,282	100
Total	223,940	88	31,148	12	255,088	100	6,956	55	5,697	45	12,652	100

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

District	Living together						Separated					
	Male		Female		Total		Male		Female		Total	
Lushoto	4,646	95	232	5	4,878	100	465	25	1,394	75	1,858	100
Korogwe	702	50	702	50	1,405	100	421	33	843	67	1,264	100
Muheza	928	60	619	40	1,547	100	1,341	42	1,857	58	3,198	100
Tanga	136	60	91	40	227	100	680	44	861	56	1,540	100
Pangani	73	67	36	33	109	100	729	50	729	50	1,458	100
Handeni	0	0	130	100	130	100	1,172	35	2,213	65	3,384	100
Kilindi	587	78	168	22	755	100	419	24	1,342	76	1,762	100
Mkinga	558	63	335	38	892	100	613	33	1,227	67	1,840	100
Total	7,630	77	2,313	23	9,943	100	5,840	36	10,465	64	16,305	100

Cont. 3.6 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	
Lushoto	1,161	9	11,614	91	12,776	100	69,685	74	24,390	26	94,075	100
Korogwe	1,686	21	6,322	79	8,008	100	42,568	75	14,330	25	56,898	100
Muheza	928	20	3,714	80	4,642	100	32,701	78	9,078	22	41,779	100
Tanga	45	5	815	95	861	100	12,141	78	3,488	22	15,629	100
Pangani	219	18	1,021	82	1,239	100	9,805	75	3,317	25	13,122	100
Handeni	391	10	3,515	90	3,905	100	39,441	75	13,277	25	52,718	100
Kilindi	755	32	1,594	68	2,349	100	26,762	79	7,215	21	33,977	100
Mkinga	335	11	2,676	89	3,011	100	16,782	74	5,799	26	22,581	100
Total	5,520	15	31,271	85	36,790	100	######	76	80,893	24	330,779	100

3.7 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	
Lushoto	29,036	82	6,272	18	35,307	100	40,650	69	18,118	31	58,768	100
Korogwe	14,470	78	4,074	22	18,545	100	27,676	73	10,256	27	37,932	100
Muheza	10,522	87	1,547	13	12,069	100	22,076	75	7,531	25	29,606	100
Tanga	3,715	85	680	15	4,394	100	8,381	75	2,809	25	11,190	100
Pangani	3,864	82	838	18	4,702	100	5,905	70	2,479	30	8,383	100
Handeni	18,484	78	5,337	22	23,821	100	20,957	73	7,940	27	28,897	100
Kilindi	11,913	80	2,936	20	14,849	100	14,765	78	4,279	22	19,044	100
Mkinga	5,185	81	1,227	19	6,412	100	11,374	72	4,516	28	15,890	100
Total	97,188	81	22,911	19	120,099	100	151,784	72	57,927	28	######	100

Cont. 3.7 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		Female		Total		Male		Female		Total	
Lushoto	0	0	0	0	0	0	69,685	74	24,390	26	94,075	100
Korogwe	421	100	0	0	421	100	42,568	75	14,330	25	56,898	100
Muheza	103	100	0	0	103	100	32,701	78	9,078	22	41,779	100
Tanga	45	100	0	0	45	100	12,141	78	3,488	22	15,629	100
Pangani	36	100	0	0	36	100	9,805	75	3,317	25	13,122	100
Handeni	0	0	0	0	0	0	39,441	75	13,277	25	52,718	100
Kilindi	84	100	0	0	84	100	26,762	79	7,215	21	33,977	100
Mkinga	223	80	56	20	279	100	16,782	74	5,799	26	22,581	100
Total	913	94	56	6	969	100	249,885	76	80,893	24	######	100

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

District	Yes						No					
	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
Lushoto	39,256	79	10,221	21	49,477	100	30,197	68	14,169	32	44,366	100
Korogwe	22,900	81	5,339	19	28,238	100	19,528	68	8,991	32	28,519	100
Muheza	17,949	85	3,095	15	21,044	100	14,545	71	5,983	29	20,528	100
Tanga	5,753	85	1,042	15	6,795	100	6,342	72	2,446	28	8,789	100
Pangani	5,941	78	1,677	22	7,618	100	3,864	70	1,640	30	5,504	100
Handeni	25,773	76	7,940	24	33,713	100	13,668	72	5,337	28	19,004	100
Kilindi	17,953	80	4,614	20	22,567	100	8,725	77	2,601	23	11,326	100
Mkinga	8,642	79	2,286	21	10,928	100	8,085	70	3,513	30	11,597	100
Total	144,168	80	36,213	20	180,381	100	104,953	70	44,680	30	######	100

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

District	Don't know						Total					
	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
Lushoto	232	100	0	0	232	100	69,685	74	24,390	26	94,075	100
Korogwe	140	100	0	0	140	100	42,568	75	14,330	25	56,898	100
Muheza	206	100	0	0	206	100	32,701	78	9,078	22	41,779	100
Tanga	45	100	0	0	45	100	12,141	78	3,488	22	15,629	100
Pangani	0	0	0	0	0	0	9,805	75	3,317	25	13,122	100
Handeni	0	0	0	0	0	0	39,441	75	13,277	25	52,718	100
Kilindi	84	100	0	0	84	100	26,762	79	7,215	21	33,977	100
Mkinga	56	100	0	0	56	100	16,782	74	5,799	26	22,581	100
Total	764	100	0	0	764	100	249,885	76	80,893	24	315,080	100

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

District	Swahili		Swahili & English		Any Other Language		Don't Read / Write		Total
	Number	%	Number	%	Number	%	Number	%	
Lushoto	281,994	73.0	20,441	5.3	232	0.1	83,623	21.6	386,290
Korogwe	174,768	71.2	14,189	5.8	140	0.1	56,336	23.0	245,434
Muheza	127,503	74.4	12,173	7.1	103	0.1	31,566	18.4	171,345
Tanga	50,919	74.8	3,851	5.7	0	0.0	13,273	19.5	68,044
Pangani	38,199	73.3	3,244	6.2	36	0.1	10,607	20.4	52,086
Handeni	145,266	63.6	10,413	4.6	130	0.1	72,763	31.8	228,573
Kilindi	89,347	59.2	4,362	2.9	0	0.0	57,299	37.9	151,009
Mkinga	70,419	69.0	5,185	5.1	167	0.2	26,261	25.7	102,032
Total	978,415	69.6	73,858.8	5.3	810	0.1	351,729	25.0	1,404,813

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

	Swahili						Swahili & English					
District	Male	%	Female	%	Total	%	Male	%	Female	%	Total	%
Lushoto	57,374	83	11,382	17	68,756	100	2,323	71	929	29	3,252	100
Korogwe	34,279	81	8,008	19	42,287	100	1,545	92	25	1	1,686	100
Muheza	25,377	82	5,467	18	30,844	100	3,095	91	217	6	3,404	100
Tanga	9,559	84	1,767	16	11,326	100	725	80	181	20	906	100
Pangani	7,873	80	2,005	20	9,878	100	656	86	85	11	765	100
Handeni	28,767	80	7,029	20	35,796	100	2,083	84	159	6	2,473	100
Kilindi	19,128	83	3,859	17	22,987	100	839	100	0	0	839	100
Mkinga	13,214	85	2,397	15	15,611	100	892	76	113	10	1,171	100
Total	195,571	82	41,914	18	237,485	100	12,158	84	1,593	11	14,497	100

Cont. 3.10 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	%
Lushoto	0	0	232	100	232	100	9,988	46	11,847	54	21,835	100
Korogwe	0	0	0	0	0	0	6,743	52	6,182	48	12,925	100
Muheza	103	100	0	0	103	100	4,126	56	3,301	44	7,427	100
Tanga	0	0	0	0	0	0	1,857	55	1,540	45	3,398	100
Pangani	0	0	0	0	0	0	1,276	51	1,203	49	2,479	100
Handeni	130	100	0	0	130	100	8,461	59	5,858	41	14,318	100
Kilindi	0	0	0	0	0	0	6,795	67	3,356	33	10,151	100
Mkinga	0	0	112	100	112	100	2,676	47	3,011	53	5,687	100
Total	233	40	344	60	577	100	41,924	54	36,296	46	78,220	100

Cont. 3.10 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	%
Lushoto	69,685	74	24,390	26	94,075	100
Korogwe	42,568	75	14,330	25	56,898	100
Muheza	32,701	78	9,078	22	41,779	100
Tanga	12,141	78	3,488	22	15,629	100
Pangani	9,805	75	3,317	25	13,122	100
Handeni	39,441	75	13,277	25	52,718	100
Kilindi	26,762	79	7,215	21	33,977	100
Mkinga	16,782	74	5,799	26	22,581	100
Total	249,885	76	80,893	24	330,779	100

3.11 Number of Agricultural Household Members 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	%
Lushoto	151,914	82	33,217	18	185,131	100	150,753	75	50,406	25	201,159	100	302,667	78	83,623	22	386,290	100
Korogwe	96,656	79	25,429	21	122,085	100	92,442	75	30,908	25	123,349	100	189,098	77	56,336	23	245,434	100
Muheza	71,695	84	13,617	16	85,312	100	68,084	79	17,949	21	86,034	100	139,779	82	31,566	18	171,345	100
Tanga	28,586	83	5,663	17	34,248	100	26,185	77	7,611	23	33,795	100	54,770	80	13,273	20	68,044	100
Pangani	20,484	82	4,593	18	25,077	100	20,995	78	6,014	22	27,009	100	41,479	80	10,607	20	52,086	100
Handeni	81,745	73	29,808	27	111,553	100	74,065	63	42,955	37	117,020	100	155,810	68	72,763	32	228,573	100
Kilindi	51,343	67	25,504	33	76,847	100	42,366	57	31,796	43	74,162	100	93,709	62	57,299	38	151,009	100
Mkinga	40,478	79	10,761	21	51,239	100	35,293	69	15,500	31	50,793	100	75,771	74	26,261	26	102,032	100
Total	542,902	79	148,590	21	691,492	100	510,182	72	203,138	28	713,321	100	1,053,084	75	351,729	25	1,404,813	100

3.12 Number of heads of Agricultural households 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	%
Lushoto	59,697	86	9,988	14	69,685	100	12,543	51	11,847	49	24,390	100	72,241	77	21,835	23	94,075	100
Korogwe	35,825	84	6,743	16	42,568	100	8,148	57	6,182	43	14,330	100	43,973	77	12,925	23	56,898	100
Muheza	28,575	87	4,126	13	32,701	100	5,777	64	3,301	36	9,078	100	34,352	82	7,427	18	41,779	100
Tanga	10,284	85	1,857	15	12,141	100	1,948	56	1,540	44	3,488	100	12,232	78	3,398	22	15,629	100
Pangani	8,529	87	1,276	13	9,805	100	2,114	64	1,203	36	3,317	100	10,643	81	2,479	19	13,122	100
Handeni	30,980	79	8,461	21	39,441	100	7,420	56	5,858	44	13,277	100	38,399	73	14,318	27	52,718	100
Kilindi	19,967	75	6,795	25	26,762	100	3,859	53	3,356	47	7,215	100	23,826	70	10,151	30	33,977	100
Mkinga	14,106	84	2,676	16	16,782	100	2,788	48	3,011	52	5,799	100	16,894	75	5,687	25	22,581	100
Total	207,962	83	41,924	17	249,885	100	44,597	55	36,296	45	80,893	100	252,559	76	78,220	24	330,779	100

3 .13 HOUSEHOLD DEMOGRAPHS: Number of Household Members by Education Status and District

District	Attending School	%	Completed	%	Never Attended to School	%	Total
Lushoto	150,056	39	167,710	43	68,524	18	386,290
Korogwe	98,342	40	104,383	43	42,709	17	245,434
Muheza	66,950	39	79,741	47	24,655	14	171,345
Tanga	24,780	36	30,987	46	12,277	18	68,044
Pangani	18,115	35	24,312	47	9,659	19	52,086
Handeni	85,780	38	77,840	34	64,953	28	228,573
Kilindi	48,071	32	52,266	35	50,672	34	151,009
Mkinga	36,129	35	42,876	42	23,027	23	102,032
Total	528,224	38	580,114	41	296,475	21	1,404,813

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

	Attending School						Completed					
District	Male		Female		Total		Male		Female		Total	
Lushoto	465		0	0	465	100	59,233	83	12,311	17	71,544	100
Korogwe	421	75	140	25	562	100	35,403	81	8,148	19	43,552	100
Muheza	103	100	0	0	103	100	28,575	83	5,777	17	34,352	100
Tanga	0	0	0	0	0	0	10,012	84	1,903	16	11,914	100
Pangani	219	100	0	0	219	100	8,092	80	2,041	20	10,133	100
Handeni	130	33	260	67	391	100	30,589	82	6,899	18	37,488	100
Kilindi	84	100	0	0	84	100	20,218	83	4,027	17	24,245	100
Mkinga	0	0	0	0	0	0	14,106	84	2,620	16	16,727	100
Total	1,422	78	401	22	1,823	100	206,228	83	43,726	17	249,954	100

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

	Never Attended to School						Total					
District	Male		Female		Total		Male		Female		Total	
Lushoto	9,988	45	12,079	55	22,067	100	69,685	74	24,390	26	94,075	100
Korogwe	6,743	53	6,041	47	12,784	100	42,568	75	14,330	25	56,898	100
Muheza	4,023	55	3,301	45	7,324	100	32,701	78	9,078	22	41,779	100
Tanga	2,129	57	1,586	43	3,715	100	12,141	78	3,488	22	15,629	100
Pangani	1,494	54	1,276	46	2,770	100	9,805	75	3,317	25	13,122	100
Handeni	8,721	59	6,118	41	14,839	100	39,441	75	13,277	25	52,718	100
Kilindi	6,460	67	3,188	33	9,648	100	26,762	79	7,215	21	33,977	100
Mkinga	2,676	46	3,178	54	5,854	100	16,782	74	5,799	26	22,581	100
Total	42,236	53	36,766	47	79,002	100	249,885	76	80,893	24	330,779	100

3.15 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	%
Lushoto	0	0	1,858	1	1,626	1	3,252	2	16,028	10	2,091	1
Korogwe	0	0	562	1	1,686	2	2,107	2	13,487	13	3,231	3
Muheza	0	0	516	1	825	1	2,063	3	7,531	9	2,269	3
Tanga	0	0	272	1	227	1	589	2	2,809	9	634	2
Pangani	0	0	73	0	182	1	583	2	1,895	8	948	4
Handeni	651	1	391	1	1,302	2	2,083	3	6,508	8	1,432	2
Kilindi	0	0	168	0	755	1	1,091	2	5,201	10	1,678	3
Mkinga	56	0	446	1	1,450	3	1,505	4	4,405	10	1,505	4
Total	707	0	4,285	1	8,052	1	13,273	2	57,864	10	13,788	2

cont 3.15 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	%
Lushoto	9,059	5	127,292	76	1,394	1	0	0	0	0	0	0
Korogwe	2,388	2	73,476	70	1,545	1	0	0	281	0	421	0
Muheza	2,373	3	56,324	71	2,063	3	309	0	103	0	206	0
Tanga	589	2	23,466	76	408	1	45	0	0	0	136	0
Pangani	693	3	17,714	73	292	1	0	0	109	0	36	0
Handeni	2,213	3	57,794	74	1,041	1	260	0	0	0	130	0
Kilindi	1,007	2	39,346	75	0	0	84	0	84	0	168	0
Mkinga	1,115	3	28,491	66	446	1	725	2	56	0	56	0
Total	19,436	3	423,904	73	7,189	1	1,424	0	633	0	1,154	0

cont 3.15 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	%
Lushoto	232	0	0	0	3,484	2	0	0	232	0	465	0
Korogwe	843	1	140	0	2,810	3	140	0	0	0	281	0
Muheza	1,341	2	413	1	2,476	3	0	0	309	0	103	0
Tanga	181	1	45	0	1,042	3	0	0	45	0	91	0
Pangani	219	1	109	0	802	3	0	0	36	0	73	0
Handeni	130	0	0	0	2,083	3	0	0	0	0	130	0
Kilindi	587	1	0	0	755	1	0	0	84	0	168	0
Mkinga	725	2	56	0	1,227	3	0	0	56	0	167	0
Total	4,258	1	764	0	14,678	3	140	0	763	0	1,477	0

cont 3.15 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	%
Lushoto	0	0	697	0	0	0	167,710	100
Korogwe	0	0	843	1	140	0	104,383	100
Muheza	103	0	309	0	103	0	79,741	100
Tanga	45	0	362	1	0	0	30,987	100
Pangani	0	0	474	2	73	0	24,312	100
Handeni	130	0	1,562	2	0	0	77,840	100
Kilindi	0	0	671	1	419	1	52,266	100
Mkinga	0	0	390	1	0	0	42,876	100
Total	279	0	5,309	1	736	0	580,114	100

3.16 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	%
Lushoto	189,777	49	13,240	3	82,229	21	101,044	26	386,290	100
Korogwe	113,094	46	8,991	4	48,750	20	74,600	30	245,434	100
Muheza	79,122	46	10,522	6	48,175	28	33,526	20	171,345	100
Tanga	20,023	29	5,300	8	19,027	28	23,693	35	68,044	100
Pangani	17,131	33	5,686	11	14,944	29	14,324	28	52,086	100
Handeni	107,388	47	3,905	2	55,061	24	62,220	27	228,573	100
Kilindi	76,176	50	7,802	5	25,839	17	41,192	27	151,009	100
Mkinga	37,077	36	11,876	12	20,629	20	32,450	32	102,032	100
Total	639,788	46	67,323	5	314,654	22	383,048	27	1,404,813	100

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

District	Main Activity									
	Crop/Seaweed Farming		Livestock Keeping / Herding		Livestock Pastoralist		Fishing		Fish Farming	
	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	196,745	51	465	0	0	0	232	0	232	0
Korogwe	113,234	46	4,496	2	0	0	281	0	140	0
Muheza	77,265	45	2,166	1	103	0	413	0	0	0
Tanga	21,518	32	2,628	4	45	0	2,310	3	45	0
Pangani	18,808	36	1,349	3	73	0	1,422	3	36	0
Handeni	109,080	48	1,562	1	130	0	0	0	0	0
Kilindi	75,337	50	6,124	4	0	0	0	0	0	0
Mkinga	39,363	39	4,126	4	446	0	1,561	2	0	0
Total	651,351	46	22,915	2	798	0	6,219	0	455	0

Cont 3.17 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Main Activity and District, 2007/08 Agricultural Year

District	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)	
	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	929	0	3,717	1	4,878	1	1,394	0	465	0
Korogwe	1,967	1	3,231	1	702	0	2,669	1	562	0
Muheza	3,404	2	3,817	2	1,960	1	1,754	1	928	1
Tanga	544	1	1,857	3	2,446	4	3,216	5	861	1
Pangani	729	1	2,442	5	547	1	1,677	3	437	1
Handeni	521	0	1,172	1	521	0	651	0	1,302	1
Kilindi	84	0	1,091	1	587	0	336	0	587	0
Mkinga	892	1	3,011	3	1,450	1	2,230	2	669	1
Total	9,069	1	20,337	1	13,091	1	13,926	1	5,811	0

Cont 3.17 HOUSEHOLDS DEMOGRAPHS: Number of Agricultural Household Members By Main Activity and District, 2007/08 Agricultural Year

District	Main Activity													
	Not Working & Available		Not Working & Unavailable		Housemaker / Housewife		Student		Unable to Work / Too Old / Retired / Sick / Disabled		Other		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	697	0	465	0	929	0	145,410	38	29,500	8	232	0	386,290	100
Korogwe	0	0	140	0	2,248	1	96,375	39	18,826	8	562	0	245,434	100
Muheza	928	1	103	0	1,754	1	65,505	38	11,244	7	0	0	171,345	100
Tanga	544	1	181	0	1,631	2	24,690	36	5,482	8	45	0	68,044	100
Pangani	838	2	255	0	1,677	3	17,678	34	4,082	8	36	0	52,086	100
Handeni	521	0	521	0	781	0	85,780	38	26,033	11	0	0	228,573	100
Kilindi	84	0	503	0	252	0	47,987	32	18,037	12	0	0	151,009	100
Mkinga	725	1	390	0	1,951	2	35,126	34	9,980	10	112	0	102,032	100
Total	4,337	0	2,559	0	11,222	1	518,551	37	######	9	988	0	1,404,813	100

LAND OWNERSHIP AND LAND USE

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	%	
Lushoto	1,858	2.0	89,894	95.6	13,240	14.1	1,161	1.2	4,181	4.4	465	0.5	465	0.5	94,075
Korogwe	1,405	2.5	43,692	76.8	10,396	18.3	6,743	11.9	9,272	16.3	562	1.0	843	1.5	56,898
Muheza	2,579	6.2	30,741	73.6	10,316	24.7	516	1.2	8,562	20.5	0	0.0	309	0.7	41,779
Tanga	815	5.2	10,737	68.7	2,310	14.8	227	1.4	2,673	17.1	45	0.3	362	2.3	15,629
Pangani	1,640	12.5	6,269	47.8	3,280	25.0	255	1.9	1,822	13.9	36	0.3	1,494	11.4	13,122
Handeni	3,775	7.2	43,606	82.7	5,727	10.9	260	0.5	4,426	8.4	0	0.0	260	0.5	52,718
Kilindi	2,601	7.7	29,363	86.4	1,678	4.9	2,601	7.7	1,175	3.5	336	1.0	1,258	3.7	33,977
Mkinga	2,565	11.4	14,273	63.2	4,628	20.5	669	3.0	4,405	19.5	0	0.0	0	0.0	22,581
Total	17,238	5.2	268,575	81.2	51,576	15.6	12,432	3.8	36,516	11.0	1,444	0.4	4,993	1.5	330,779

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**
Lushoto	1,787	85,177	9,935	423	1,599	752	71	99,743
Korogwe	1,349	59,931	11,091	4,465	6,953	1,251	654	85,695
Muheza	4,124	48,850	20,548	219	7,131	.	261	81,134
Tanga	1,770	17,129	6,172	266	2,559	55	385	28,335
Pangani	2,538	11,466	5,785	288	1,520	44	4,932	26,573
Handeni	26,850	158,340	11,805	580	5,876	.	2,951	206,401
Kilindi	7,201	102,481	6,657	3,473	1,189	747	2,785	124,533
Mkinga	7,185	24,115	9,417	542	3,950	.	.	45,209
Total	52,804	507,488	81,409	10,255	30,777	2,850	12,040	697,623

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
Lushoto	70,847	75	23,228	25	94,075
Korogwe	43,833	77	13,065	23	56,898
Muheza	26,305	63	15,474	37	41,779
Tanga	9,695	62	5,935	38	15,629
Pangani	7,035	54	6,087	46	13,122
Handeni	20,957	40	31,761	60	52,718
Kilindi	17,618	52	16,359	48	33,977
Mkinga	12,879	57	9,701	43	22,581
Total	209,168	63	121,611	37	330,779

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

District	Do you Consider that you have sufficient land for the Hh?				
	Yes	%	No	%	Total
Lushoto	31,591	34	62,485	66	94,075
Korogwe	19,668	35	37,230	65	56,898
Muheza	13,411	32	28,368	68	41,779
Tanga	7,203	46	8,426	54	15,629
Pangani	6,233	47	6,889	52	13,122
Handeni	27,856	53	24,862	47	52,718
Kilindi	15,436	45	18,541	55	33,977
Mkinga	10,315	46	12,266	54	22,581
Total	131,712	40	199,066	60	330,779

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
Lushoto	26,713	28	67,363	72	94,075
Korogwe	12,363	22	44,535	78	56,898
Muheza	16,093	39	25,686	61	41,779
Tanga	6,977	45	8,653	55	15,629
Pangani	3,754	29	9,367	71	13,122
Handeni	16,531	31	36,186	69	52,718
Kilindi	9,648	28	24,329	72	33,977
Mkinga	5,129	23	17,451	77	22,581
Total	97,208	29	233,571	71	330,779

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	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
Lushoto	46,922	48,315	13,008	4,181	10,685	2,091	11,382	465	2,787	2,091	5,575	1,626	94,075
Korogwe	51,700	4,917	9,272	6,462	4,917	140	8,289	0	421	843	562	3,512	56,898
Muheza	22,179	16,608	12,688	12,688	6,808	1,032	3,714	0	516	1,032	722	10,213	41,779
Tanga	6,161	4,757	3,579	4,213	2,628	408	1,404	45	0	91	91	3,126	15,629
Pangani	8,383	1,640	3,827	2,296	2,187	255	2,078	73	0	109	73	3,353	13,122
Handeni	46,990	5,727	5,597	2,083	4,296	1,562	11,845	2,343	391	651	1,562	21,347	52,718
Kilindi	27,601	5,705	4,195	1,594	1,762	839	5,369	1,342	168	1,258	2,013	9,564	33,977
Mkinga	8,140	4,962	6,077	5,687	5,799	669	4,014	167	112	112	669	4,237	22,581
Total	218,076	92,632	58,244	39,205	39,081	6,995	48,095	4,435	4,394	6,186	11,267	56,979	330,779

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	Area under Natural Bush	Area under Planted Trees	Area Rented to Others	Area Unusable	Area of Uncultivated Usable Land	Total area (ha)
Lushoto	35,915	36,132	5,555	2,262	8,548	752	6,277	752	964	893	1,223	470	99,743.30
Korogwe	51,533	4,529	4,559	3,114	4,286	370	11,930	.	213	697	284	4,181	85,694.85
Muheza	21,788	13,965	11,118	8,221	6,609	2,036	2,850	.	700	1,138	324	12,384	81,133.56
Tanga	4,871	3,830	3,034	4,398	3,522	2,256	1,444	367	.	28	37	4,549	28,334.85
Pangani	6,717	1,486	4,774	3,128	2,150	812	2,811	59	.	148	103	4,386	26,573.17
Handeni	72,145	6,830	6,469	1,120	4,489	2,819	25,612	7,062	237	1,080	2,213	76,324	206,401.35
Kilindi	64,875	11,047	2,786	1,051	3,779	1,197	10,071	4,263	102	3,753	2,590	19,020	124,533.10
Mkinga	7,043	4,720	5,233	6,751	6,260	1,388	5,874	85	56	316	874	6,609	45,209.11
Total	264,887	82,540	43,526	30,045	39,643	11,631	66,870	12,587	2,272	8,053	7,647	127,923	697,623.29

CROP OWNERSHIP

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Lushoto

	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
Crop	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	59,465	28,706	21,138	8,341	13,240	6,032	5,110	1,947
Paddy	0	.	0	.	0	.	0	.
Sorghum	232	56	0	.	0	.	0	.
Wheat	232	66	0	.	0	.	0	.
CEREALS	59,929	28,828	21,138	8,341	13,240	6,032	5,110	1,947
Cassava	465	89	0	.	0	.	0	.
Sweet Potato	2,091	376	1,858	306	0	.	0	.
Irish potatoes	19,280	5,407	7,433	1,901	6,969	2,812	2,091	630
Yams	0	.	0	.	0	.	0	.
Coco Yam	465	71	0	.	0	.	0	.
ROOTS & TUBERS	22,299	5,943	9,291	2,206	6,969	2,812	2,091	630
Mung Bean	465	193	0	.	0	.	0	.
Beans	44,366	14,389	17,654	5,339	22,996	10,719	10,685	4,787
Cowpeas	929	216	465	113	0	.	0	.
Green gram	0	.	0	.	0	.	0	.
Chick peas	0	.	0	.	0	.	0	.
Bambaranuts	0	.	0	.	232	24	0	.
Field Peas	232	56	0	.	0	.	0	.
PULSES	45,992	14,855	18,118	5,452	23,228	10,742	10,685	4,787
Sunflower	0	.	0	.	0	.	0	.
Simsim	0	.	0	.	0	.	0	.
Groundnut	697	136	697	169	0	.	232	28
OIL SEEDS & OIL NUTS	697	136	697	169	0	.	232	28
Okra	232	42	0	.	0	.	0	.
Radish	0	.	0	.	0	.	0	.
Bitteer Aubergine	697	71	232	28	697	94	929	141
Onion	697	99	465	71	0	.	0	.
Ginger	465	162	232	47	232	71	0	.
Cabbage	2,787	578	0	.	1,161	306	232	47
Tomatoes	5,807	936	0	.	2,787	409	0	.
Spinach	232	24	0	.	232	9	0	.
Carrot	232	24	0	.	0	.	0	.
Chillies	1,161	155	0	.	232	47	232	47
Amaranths	232	19	0	.	0	.	0	.
Pumpkins	0	.	0	.	0	.	0	.
Egg Plant	0	.	0	.	0	.	0	.
Water Mellon	0	.	0	.	0	.	0	.
FRUITS & VEGETABLES	12,543	2,108	929	146	5,343	936	1,394	235
Cotton	0	.	0	.	0	.	0	.
Tobacco	0	.	232	94	0	.	0	.
Pyrethrum	0	.	0	.	0	.	0	.
CASH CROPS	0	.	232	94	0	.	0	.
Total	141,461	51,870	50,406	16,408	48,780	20,522	19,512	7,627

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Korogwe

Crop	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	15,032	9,585	4,917	2,194	36,106	32,111	13,908	10,383
Paddy	1,124	512	140	71	6,041	3,025	1,545	555
Sorghum	0	.	0	.	140	171	0	.
Wheat	0	.	0	.	0	.	0	.
CEREALS	16,156	10,096	5,058	2,265	42,287	35,307	15,454	10,938
Cassava	0	.	0	.	0	.	0	.
Sweet Potato	0	.	0	.	140	14	0	.
Irish potatoes	0	.	0	.	281	176	0	.
Yams	0	.	0	.	0	.	0	.
Coco Yam	0	.	0	.	140	28	0	.
ROOTS & TUBERS	0	.	0	.	562	219	0	.
Mung Bean	140	28	0	.	0	.	0	.
Beans	1,545	357	702	196	13,206	6,481	3,934	1,367
Cowpeas	421	193	0	.	562	102	0	.
Green gram	0	.	0	.	140	14	0	.
Chick peas	0	.	0	.	0	.	0	.
Bambaranuts	0	.	0	.	0	.	0	.
Field Peas	0	.	0	.	0	.	0	.
PULSES	2,107	578	702	196	13,908	6,598	3,934	1,367
Sunflower	0	.	0	.	0	.	0	.
Simsim	0	.	0	.	0	.	0	.
Groundnut	562	74	562	142	1,124	273	843	210
OIL SEEDS & OIL NUTS	562	74	562	142	1,124	273	843	210
Okra	140	14	140	28	281	142	140	25
Radish	0	.	0	.	0	.	140	28
Bitteer Aubergine	0	.	0	.	281	71	0	.
Onion	0	.	0	.	0	.	0	.
Ginger	0	.	0	.	0	.	0	.
Cabbage	0	.	0	.	0	.	0	.
Tomatoes	140	28	0	.	702	230	281	28
Spinach	140	14	0	.	0	.	0	.
Carrot	0	.	0	.	0	.	0	.
Chillies	140	14	0	.	281	85	0	.
Amaranths	0	.	0	.	0	.	0	.
Pumpkins	0	.	0	.	0	.	0	.
Egg Plant	140	14	0	.	0	.	0	.
Water Mellon	0	.	0	.	0	.	0	.
FRUITS & VEGETABLES	702	85	140	28	1,545	529	562	82
Cotton	0	.	0	.	0	.	0	.
Tobacco	0	.	0	.	0	.	0	.
Pyrethrum	0	.	0	.	281	823	0	.
CASH CROPS	0	.	0	.	281	823	0	.
Total	19,528	10,834	6,462	2,632	59,708	43,748	20,792	12,597

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Muheza

	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
Crop	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	20,632	14,558	8,149	5,207	27,027	21,350	10,316	7,412
Paddy	0	.	103	21	722	136	1,857	532
Sorghum	0	.	0	.	0	.	0	.
Wheat	0	.	0	.	0	.	0	.
CEREALS	20,632	14,558	8,253	5,228	27,750	21,486	12,173	7,944
Cassava	0	.	0	.	0	.	0	.
Sweet Potato	206	66	103	10	206	66	0	.
Irish potatoes	103	29	0	.	0	.	0	.
Yams	0	.	0	.	0	.	0	.
Coco Yam	0	.	103	73	103	21	103	73
ROOTS & TUBERS	309	95	206	83	309	87	103	73
Mung Bean	0	.	0	.	0	.	0	.
Beans	3,611	1,704	1,238	493	5,055	2,125	1,651	748
Cowpeas	825	290	413	67	413	112	413	104
Green gram	0	.	0	.	0	.	0	.
Chick peas	0	.	0	.	0	.	0	.
Bambaranuts	0	.	0	.	0	.	0	.
Field Peas	0	.	0	.	0	.	0	.
PULSES	4,436	1,993	1,651	560	5,467	2,237	2,063	852
Sunflower	0	.	0	.	0	.	0	.
Simsim	0	.	0	.	0	.	0	.
Groundnut	619	183	103	31	619	267	0	.
OIL SEEDS & OIL NUTS	619	183	103	31	619	267	0	.
Okra	0	.	0	.	0	.	103	5
Radish	0	.	0	.	0	.	0	.
Bitteer Aubergine	0	.	0	.	103	10	0	.
Onion	0	.	0	.	0	.	0	.
Ginger	0	.	0	.	0	.	0	.
Cabbage	0	.	0	.	0	.	0	.
Tomatoes	309	42	0	.	103	10	0	.
Spinach	103	10	0	.	103	10	0	.
Carrot	0	.	0	.	0	.	0	.
Chillies	0	.	0	.	103	31	0	.
Amaranths	206	12	103	10	0	.	0	.
Pumpkins	0	.	0	.	103	10	103	3
Egg Plant	0	.	0	.	0	.	0	.
Water Mellon	0	.	0	.	103	10	0	.
FRUITS & VEGETABLES	619	64	103	10	619	84	206	8
Cotton	0	.	0	.	0	.	0	.
Tobacco	0	.	0	.	0	.	0	.
Pyrethrum	0	.	0	.	0	.	0	.
CASH CROPS	0	.	0	.	0	.	0	.
Total	26,615	16,893	10,316	5,912	34,764	24,160	14,545	8,877

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Tanga

	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
Crop	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	2,401	1,747	1,133	472	6,750	4,504	2,401	1,174
Paddy	0	.	0	.	680	243	589	209
Sorghum	0	.	0	.	0	.	0	.
Wheat	0	.	0	.	0	.	0	.
CEREALS	2,401	1,747	1,133	472	7,430	4,746	2,990	1,382
Cassava	0	.	0	.	0	.	0	.
Sweet Potato	0	.	0	.	136	23	45	5
Irish potatoes	0	.	0	.	0	.	0	.
Yams	0	.	0	.	0	.	0	.
Coco Yam	0	.	0	.	0	.	0	.
ROOTS & TUBERS	0	.	0	.	136	23	45	5
Mung Bean	45	37	0	.	0	.	0	.
Beans	0	.	45	9	91	15	45	9
Cowpeas	227	88	181	53	181	49	45	5
Green gram	0	.	45	9	181	50	91	28
Chick peas	0	.	0	.	0	.	0	.
Bambaranuts	0	.	0	.	0	.	0	.
Field Peas	0	.	0	.	0	.	0	.
PULSES	272	125	272	71	453	114	181	41
Sunflower	0	.	0	.	0	.	0	.
Simsim	45	73	0	.	227	237	45	9
Groundnut	45	9	45	18	45	18	0	.
OIL SEEDS & OIL NUTS	91	83	45	18	272	256	45	9
Okra	136	46	0	.	45	5	0	.
Radish	0	.	0	.	0	.	0	.
Bitteer Aubergine	0	.	0	.	0	.	0	.
Onion	0	.	0	.	0	.	0	.
Ginger	45	15	0	.	0	.	0	.
Cabbage	0	.	0	.	0	.	0	.
Tomatoes	45	18	0	.	0	.	0	.
Spinach	0	.	0	.	0	.	0	.
Carrot	0	.	0	.	0	.	0	.
Chillies	0	.	0	.	0	.	0	.
Amaranths	91	23	45	2	136	41	45	9
Pumpkins	0	.	0	.	0	.	0	.
Egg Plant	0	.	0	.	0	.	0	.
Water Mellon	0	.	0	.	0	.	0	.
FRUITS & VEGETABLES	317	102	45	2	181	46	45	9
Cotton	0	.	0	.	0	.	0	.
Tobacco	0	.	0	.	0	.	0	.
Pyrethrum	0	.	0	.	0	.	0	.
CASH CROPS	0	.	0	.	0	.	0	.
Total	3,081	2,056	1,495	564	8,471	5,184	3,307	1,446

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Pangani

	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
Crop	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	4,374	3,196	1,750	888	6,415	5,069	2,588	1,611
Paddy	0	.	0	.	292	133	146	59
Sorghum	0	.	0	.	0	.	0	.
Wheat	0	.	0	.	0	.	0	.
CEREALS	4,374	3,196	1,750	888	6,707	5,202	2,734	1,670
Cassava	73	30	0	.	0	.	0	.
Sweet Potato	36	4	0	.	73	11	36	4
Irish potatoes	0	.	0	.	0	.	0	.
Yams	0	.	0	.	0	.	0	.
Coco Yam	0	.	0	.	0	.	0	.
ROOTS & TUBERS	109	33	0	.	73	11	36	4
Mung Bean	0	.	0	.	0	.	0	.
Beans	146	48	36	7	36	15	0	.
Cowpeas	364	88	109	44	328	82	255	39
Green gram	219	89	36	15	255	47	73	7
Chick peas	0	.	0	.	0	.	0	.
Bambaranuts	0	.	0	.	0	.	0	.
Field Peas	0	.	0	.	0	.	0	.
PULSES	729	225	182	66	620	143	328	46
Sunflower	0	.	0	.	0	.	0	.
Simsim	255	197	73	32	765	498	255	120
Groundnut	36	11	0	.	36	22	36	7
OIL SEEDS & OIL NUTS	292	208	73	32	802	520	292	127
Okra	219	104	0	.	182	61	73	8
Radish	0	.	0	.	0	.	0	.
Bitteer Aubergine	73	33	0	.	109	15	0	.
Onion	0	.	0	.	0	.	0	.
Ginger	0	.	0	.	0	.	0	.
Cabbage	0	.	0	.	0	.	0	.
Tomatoes	0	.	0	.	73	37	36	7
Spinach	0	.	0	.	36	4	0	.
Carrot	0	.	0	.	0	.	0	.
Chillies	36	13	0	.	36	4	0	.
Amaranths	0	.	0	.	36	4	36	4
Pumpkins	0	.	0	.	0	.	0	.
Egg Plant	0	.	0	.	36	4	36	1
Water Mellon	36	15	0	.	73	18	0	.
FRUITS & VEGETABLES	364	165	0	.	583	146	182	20
Cotton	0	.	0	.	0	.	0	.
Tobacco	0	.	0	.	0	.	0	.
Pyrethrum	0	.	0	.	0	.	0	.
CASH CROPS	0	.	0	.	0	.	0	.
Total	5,868	3,827	2,005	986	8,784	6,023	3,572	1,867

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Handeni

	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
Crop	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	14,579	13,637	4,426	2,901	35,275	49,792	13,537	13,465
Paddy	0	.	0	.	391	171	391	132
Sorghum	0	.	0	.	0	.	0	.
Wheat	0	.	0	.	0	.	0	.
CEREALS	14,579	13,637	4,426	2,901	35,666	49,963	13,928	13,596
Cassava	0	.	0	.	0	.	0	.
Sweet Potato	130	26	0	.	130	105	0	.
Irish potatoes	0	.	0	.	0	.	0	.
Yams	0	.	0	.	0	.	0	.
Coco Yam	0	.	0	.	0	.	0	.
ROOTS & TUBERS	130	26	0	.	130	105	0	.
Mung Bean	0	.	130	53	0	.	0	.
Beans	260	132	130	26	651	421	651	369
Cowpeas	8,591	5,414	4,816	2,422	2,603	1,483	911	194
Green gram	1,692	817	651	153	391	237	391	158
Chick peas	130	105	0	.	0	.	0	.
Bambaranuts	0	.	0	.	0	.	0	.
Field Peas	0	.	0	.	0	.	0	.
PULSES	10,674	6,468	5,727	2,653	3,645	2,141	1,953	721
Sunflower	0	.	0	.	391	438	0	.
Simsim	1,041	580	130	26	3,124	2,622	651	184
Groundnut	0	.	0	.	0	.	0	.
OIL SEEDS & OIL NUTS	1,041	580	130	26	3,515	3,060	651	184
Okra	0	.	0	.	0	.	0	.
Radish	0	.	0	.	0	.	0	.
Bitteer Aubergine	0	.	0	.	0	.	0	.
Onion	0	.	0	.	0	.	0	.
Ginger	130	158	0	.	0	.	0	.
Cabbage	0	.	0	.	0	.	0	.
Tomatoes	0	.	0	.	260	40	0	.
Spinach	0	.	0	.	0	.	0	.
Carrot	0	.	0	.	0	.	0	.
Chillies	130	26	0	.	0	.	0	.
Amaranths	0	.	0	.	0	.	0	.
Pumpkins	0	.	0	.	0	.	0	.
Egg Plant	0	.	0	.	0	.	0	.
Water Mellon	0	.	0	.	0	.	0	.
FRUITS & VEGETABLES	260	184	0	.	260	40	0	.
Cotton	0	.	0	.	0	.	130	53
Tobacco	0	.	0	.	0	.	0	.
Pyrethrum	0	.	0	.	0	.	0	.
CASH CROPS	0	.	0	.	0	.	130	53
Total	26,684	20,895	10,283	5,580	43,215	55,309	16,661	14,555

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Kilindi

	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
Crop	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	16,863	21,711	4,782	5,881	15,520	23,957	4,866	4,347
Paddy	84	17	0	.	419	255	0	.
Sorghum	0	.	0	.	168	309	0	.
Wheat	0	.	0	.	0	.	0	.
CEREALS	16,947	21,728	4,782	5,881	16,108	24,521	4,866	4,347
Cassava	168	102	0	.	0	.	0	.
Sweet Potato	84	34	0	.	0	.	84	8
Irish potatoes	0	.	84	8	0	.	0	.
Yams	84	34	0	.	0	.	0	.
Coco Yam	0	.	0	.	0	.	0	.
ROOTS & TUBERS	336	170	84	8	0	.	84	8
Mung Bean	0	.	0	.	0	.	0	.
Beans	587	323	0	.	13,507	16,996	3,440	2,952
Cowpeas	1,007	400	587	217	503	185	419	185
Green gram	0	.	0	.	84	8	0	.
Chick peas	0	.	0	.	0	.	0	.
Bambaranuts	0	.	0	.	0	.	0	.
Field Peas	0	.	0	.	0	.	0	.
PULSES	1,594	723	587	217	14,094	17,190	3,859	3,137
Sunflower	336	189	0	.	168	136	168	87
Simsim	0	.	0	.	168	85	0	.
Groundnut	84	34	0	.	168	110	0	.
OIL SEEDS & OIL NUTS	419	223	0	.	503	331	168	87
Okra	0	.	0	.	0	.	84	8
Radish	0	.	0	.	0	.	0	.
Bitteer Aubergine	0	.	0	.	0	.	84	8
Onion	0	.	84	4	84	17	84	4
Ginger	0	.	0	.	0	.	0	.
Cabbage	0	.	84	4	0	.	84	8
Tomatoes	0	.	84	25	671	178	755	157
Spinach	0	.	0	.	0	.	168	17
Carrot	0	.	0	.	0	.	0	.
Chillies	0	.	0	.	0	.	84	8
Amaranths	0	.	0	.	84	8	0	.
Pumpkins	0	.	0	.	0	.	0	.
Egg Plant	0	.	0	.	84	8	0	.
Water Mellon	0	.	0	.	0	.	0	.
FRUITS & VEGETABLES	0	.	252	34	923	212	1,342	212
Cotton	0	.	0	.	0	.	0	.
Tobacco	0	.	0	.	84	34	0	.
Pyrethrum	0	.	0	.	0	.	0	.
CASH CROPS	0	.	0	.	84	34	0	.
Total	19,296	22,844	5,705	6,140	31,712	42,289	10,319	7,791

5.1.1 Planted Area by Crop and Sex of Household members owning most of the crop for the agriculture year 2007/08 Short and Long Season- Mkinga

	SHORT RAINY SEASON				LONG RAINY SEASON			
	Male		Female		Male		Female	
Crop	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area	No. of Hholds	Planted Area
Maize	9,423	7,027	3,624	2,105	4,962	3,874	1,282	703
Paddy	0	.	112	40	56	23	56	90
Sorghum	0	.	0	.	56	56	0	.
Wheat	0	.	0	.	0	.	0	.
CEREALS	9,423	7,027	3,736	2,144	5,074	3,953	1,338	793
Cassava	0	.	0	.	0	.	0	.
Sweet Potato	112	36	0	.	112	14	0	.
Irish potatoes	0	.	0	.	56	7	0	.
Yams	0	.	0	.	0	.	0	.
Coco Yam	0	.	0	.	0	.	0	.
ROOTS & TUBERS	112	36	0	.	167	21	0	.
Mung Bean	56	39	56	6	0	.	0	.
Beans	892	283	279	78	725	291	167	56
Cowpeas	1,840	579	1,004	232	1,004	361	167	24
Green gram	1,059	232	335	67	836	223	223	39
Chick peas	0	.	0	.	0	.	0	.
Bambaranuts	0	.	0	.	0	.	0	.
Field Peas	0	.	0	.	0	.	0	.
PULSES	3,847	1,133	1,673	382	2,565	875	558	119
Sunflower	0	.	0	.	0	.	0	.
Simsim	0	.	0	.	279	116	56	27
Groundnut	558	135	279	58	167	45	0	.
OIL SEEDS & OIL NUTS	558	135	279	58	446	161	56	27
Okra	0	.	0	.	167	47	0	.
Radish	0	.	0	.	0	.	0	.
Bitteer Aubergine	0	.	0	.	0	.	0	.
Onion	112	34	0	.	56	23	0	.
Ginger	0	.	0	.	0	.	0	.
Cabbage	56	11	0	.	112	8	0	.
Tomatoes	223	51	0	.	446	128	0	.
Spinach	112	23	0	.	56	11	0	.
Carrot	0	.	0	.	0	.	0	.
Chillies	0	.	0	.	0	.	0	.
Amaranths	223	51	0	.	112	34	0	.
Pumpkins	56	0	0	.	0	.	0	.
Egg Plant	0	.	0	.	56	3	0	.
Water Mellon	0	.	0	.	0	.	0	.
FRUITS & VEGETABLES	781	170	0	.	1,004	253	0	.
Cotton	0	.	0	.	0	.	0	.
Tobacco	0	.	0	.	0	.	0	.
Pyrethrum	0	.	0	.	0	.	0	.
CASH CROPS	0	.	0	.	0	.	0	.
Total	14,719	8,501	5,687	2,584	9,255	5,264	1,951	939

5.1.1 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-TANGA REGION

	SHORT RAINY SEASON						LONG RAINY SEASON					
	Male		Female		Total		Male		Female		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	62,252	72.6	23,461	27.4	85,713	100.0	28,339	68.2	13,240	31.8	41,579	100.0
Korogwe	16,437	76.0	5,198	24.0	21,635	100.0	40,180	71.9	15,735	28.1	55,915	100.0
Muheza	21,354	71.4	8,562	28.6	29,916	100.0	28,265	71.4	11,347	28.6	39,613	100.0
Tanga	2,628	68.2	1,223	31.8	3,851	100.0	7,520	71.2	3,035	28.8	10,555	100.0
Pangani	4,556	71.8	1,786	28.2	6,342	100.0	6,998	71.6	2,770	28.4	9,768	100.0
Handeni	19,004	70.2	8,070	29.8	27,075	100.0	35,796	71.6	14,188	28.4	49,984	100.0
Kilindi	17,030	77.5	4,950	22.5	21,980	100.0	21,729	77.5	6,292	22.5	28,021	100.0
Mkinga	9,869	72.0	3,847	28.0	13,716	100.0	5,464	77.8	1,561	22.2	7,025	100.0
Total	153,130	73	57,097	27	210,228	100.0	174,291	72	68,169	28	242,460	100.0

5.1.1 Planted Area - TANGA REGION and Sex of Household members owning most of the crop for the agriculture year 2007/08 Long Season-TANGA REGION

	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)**	**%**
Lushoto	51,870	72.6	16,408	27.4	68,278	100.0	20,522	68.2	7,627	31.8	28,149	100.0
Korogwe	10,834	76.0	2,632	24.0	13,466	100.0	43,748	71.9	12,597	28.1	56,346	100.0
Muheza	16,893	71.4	5,912	28.6	22,805	100.0	24,160	71.4	8,877	28.6	33,037	100.0
Tanga	2,056	68.2	564	31.8	2,620	100.0	5,184	71.2	1,446	28.8	6,631	100.0
Pangani	3,827	71.8	986	28.2	4,813	100.0	6,023	71.6	1,867	28.4	7,890	100.0
Handeni	20,895	70.2	5,580	29.8	26,475	100.0	55,309	71.6	14,555	28.4	69,864	100.0
Kilindi	22,844	77.5	6,140	22.5	28,984	100.0	42,289	77.5	7,791	22.5	50,080	100.0
Mkinga	8,501	72.0	2,584	28.0	11,086	100.0	5,264	77.8	939	22.2	6,203	100.0
Total	137,720	72.8	40,807	27.2	178,527	100.0	202,499	71.9	55,700	28.1	258,198	100.0

CROP PRODUCTION BY REGION

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

District	Maize				Paddy				Sorghum				Wheat			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	80,603	37,046	30,008.41	0.81	0	.	.	.	232	56	46.46	0.82	232	66	34.84	0.53
Korogwe	19,949	11,779	11,621.25	0.99	1,264	583	2,316.80	3.97	0	.	.	.	0	.	.	.
Muheza	28,781	19,765	58,307.69	2.95	103	21	83.45	4.00	0	.	.	.	0	.	.	.
Tanga	3,534	2,219	2,505.65	1.13	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	6,123	4,084	3,858.43	0.94	0	.	.	.	0	.	.	.	0	.	.	.
Handeni	19,004	16,538	13,220.65	0.80	0	.	.	.	0	.	.	.	0	.	.	.
Kilindi	21,645	27,592	34,544.04	1.25	84	17	25.17	1.48	0	.	.	.	0	.	.	.
Mkinga	13,047	9,132	7,784.26	0.85	112	40	72.48	1.83	0	.	.	.	0	.	.	.
Total	192,686	128,154	161,850.39	1.26	1,563	660	2,497.91	3.78	232	56	46.46	0.82	232	66	34.84	0.53

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

District	Mung Bean				Okra				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)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	465	193	181.18	0.94	232	42	34.84	0.82	929	99	250.87	2.54	465	89	227.64	2.55
Korogwe	140	28	28.10	0.99	281	43	28.10	0.66	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Tanga	45	37	22.65	0.62	136	46	20.61	0.45	0	.	.	.	0	.	.	.
Pangani	0	.	.	.	219	104	44.76	0.43	73	33	4.37	0.13	73	30	.00	-
Handeni	130	53	13.02	0.25	0	.	.	.	0	.	.	.	0	.	.	.
Kilindi	0	.	.	.	0	.	.	.	0	.	.	.	168	102	75.50	0.74
Mkinga	**112**	**45**	**61.33**	**1.37**	**0**	**.**	**.**	**.**	**0**	**.**	**.**	**.**	**0**	**.**	**.**	**.**
Total	**892**	**356**	**306.28**	**0.86**	**868**	**235**	**128.31**	**0.55**	**1,002**	**132**	**255.24**	**1.93**	705	221	303.14	1.37

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

District	Sweet Potato				Irish potatoes				Yams				Coco Yam			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	3,949	682	979.31	1.44	26,713	7,307	10,371.05	1.42	0	.	.	.	465	71	53.43	0.76
Korogwe	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Muheza	309	76	47.45	0.62	103	29	6.60	0.23	0	.	.	.	103	73	20.63	0.28
Tanga	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	36	4	1.46	0.40	0	.	.	.	0	.	.	.	0	.	.	.
Handeni	130	26	15.88	0.60	0	.	.	.	0	.	.	.	0	.	.	.
Kilindi	84	34	271.73	8.00	84	8	.00	-	84	34	3.69	0.11	0	.	.	.
Mkinga	112	36	75.27	2.10	0	.	.	.	0	.	.	.	0	.	.	.
Total	4,620	858	1,391.11	1.62	26,900	7,345	10,377.66	1.41	84	34	3.69	0.11	568	143	74.06	0.52

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

District	Onion				Ginger				Beans				Cowpeas			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	1,161	169	485.01	2.87	697	209	859.45	4.12	62,020	19,728	13,450.92	0.68	1,394	329	162.13	0.49
Korogwe	0	.	.	.	0	.	.	.	2,248	553	619.56	1.12	421	193	70.53	0.37
Muheza	0	.	.	.	0	.	.	.	4,848	2,196	4,923.94	2.24	1,238	357	340.01	0.95
Tanga	0	.	.	.	45	15	1.59	0.11	45	9	3.40	0.37	408	141	12.10	0.09
Pangani	0	.	.	.	0	.	.	.	182	55	31.35	0.57	474	132	94.04	0.71
Handeni	0	.	.	.	130	158	104.13	0.66	391	158	13.15	0.08	13,407	7,835	2,102.19	0.27
Kilindi	84	4	10.57	2.59	0	.	.	.	587	323	844.14	2.62	1,594	617	254.20	0.41
Mkinga	112	34	156.11	4.61	0	.	.	.	1,171	361	603.55	1.67	2,844	811	674.86	0.83
Total	1,357	207	651.70	3.15	872	381	965.17	2.53	71,492	23,384	20,489.99	0.88	21,779	10,415	3,710.06	0.36

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

District	Green gram				Chick peas				Field Peas				Sunflower			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	0	.	.	.	232	56	84.55	1.50	0	.	.	.
Korogwe	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Tanga	45	9	.91	0.10	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	255	104	50.96	0.49	0	.	.	.	0	.	.	.	0	.	.	.
Handeni	2,343	970	245.23	0.25	130	105	.00	-	0	.	.	.	0	.	.	.
Kilindi	0	.	.	.	0	.	.	.	0	.	.	.	336	189	29.36	0.16
Mkinga	1,394	299	220.85	0.74	0	.	.	.	0	.	.	.	0	.	.	.
Total	4,037	1,382	517.94	0.37	130	105	.00	-	232	56	84.55	1.50	336	189	29.36	0.16

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

District	Simsim				Groundnut				Tobacco				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)
Lushoto	0	.	.	.	1,394	306	357.72	1.17	232	94	34.84	0.37	2,787	578	3,226.90	5.58
Korogwe	0	.	.	.	1,124	216	328.60	1.52	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	722	214	176.81	0.83	0	0	0	0	0	.	.	.
Tanga	45	73	5.44	0.07	91	28	15.40	0.56	0	0	0	0	0	.	.	.
Pangani	328	229	100.31	0.44	36	11	1.09	0.10	0	0	0	0	0	.	.	.
Handeni	1,172	606	268.79	0.44	0	.	.	.	0	.	.	.	0	.	.	.
Kilindi	0	.	.	.	84	34	33.56	0.99	0	.	.	.	84	4	13.42	3.04
Mkinga	0	.	.	.	836	193	64.90	0.34	0	0	0	0	56	11	27.88	2.47
Total	1,545	908	374.54	0.41	4,287	1,002	978.09	0.98	232	94	34.84	0.37	2,927	594	3,268.20	5.50

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

District	Tomatoes				Spinach				Carrot				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)
Lushoto	5,807	936	22,788.07	24.35	232	24	72.01	3.06	232	24	46.46	1.98	1,161	155	480.83	3.10
Korogwe	140	28	561.96	19.76	140	14	42.15	2.96	0	.	.	.	140	14	28.10	1.98
Muheza	309	42	1,154.65	27.65	103	10	177.43	16.99	0	.	.	.	0	.	.	.
Tanga	45	18	9.06	0.49	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	0	.	.	.	0	.	.	.	0	.	.	.	36	13	5.90	0.46
Handeni	0	.	.	.	0	.	.	.	0	.	.	.	130	26	43.74	1.66
Kilindi	84	25	27.35	1.07	0	.	.	.	0	.	.	.	0	.	.	.
Mkinga	223	51	180.09	3.55	112	23	69.69	3.09	0	.	.	.	0	.	.	.
Total	6,609	1,101	24,721.17	22.46	587	71	361.28	5.11	232	24	46.46	1.98	1,469	209	558.57	2.68

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

District	Amaranths				Pumpkins				Egg Plant				Water Mellon			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	232	19	53.43	2.84	0	.	.	.	0	.	.	.	0	.	.	.
Korogwe	0	.	.	.	0	.	.	.	140	14	29.50	2.07	0	.	.	.
Muheza	309	22	430.99	19.47	0	.	.	.	0	.	.	.	0	.	.	.
Tanga	136	25	32.84	1.30	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	0	.	.	.	0	.	.	.	0	.	.	.	36	15	182.25	12.35
Handeni													0	0	0	0
Kilindi	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Mkinga	223	51	126.01	2.48	56	0	.84	3.71	0	.	.	.	0	.	.	.
Total	901	117	643.27	5.50	56	0	.84	3.71	140	14	29.50	2.07	36	15	182.25	12.35

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

District	Maize				Paddy				Sorghum				Sweet potatoes			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	18,351	7,979	7,941.82	1.00	0	.	.	.	0	.	.	.	0	.	.	.
Korogwe	50,014	42,494	49,546.38	1.17	7,586	3,579	7,186.43	2.01	140	171	210.73	1.24	140	14	113.66	7.99
Muheza	37,343	28,761	79,762.38	2.77	2,579	668	1,591.32	2.38	0	.	.	.	206	66	46.42	0.70
Tanga	9,151	5,677	8,183.90	1.44	1,268	451	1,391.81	3.08	0	.	.	.	181	27	67.95	2.49
Pangani	9,003	6,680	9,603.28	1.44	437	192	153.41	0.80	0	.	.	.	109	15	9.11	0.62
Handeni	48,813	63,256	76,952.28	1.22	781	303	246.67	0.81	0	.	.	.	130	105	52.07	0.49
Kilindi	20,386	28,304	36,120.41	1.28	419	255	209.73	0.82	168	309	567.12	1.83	84	8	16.78	1.98
Mkinga	6,245	4,576	4,785.75	1.05	112	113	44.60	0.40	56	56	55.76	0.99	112	14	45.94	3.28
Total	199,305	187,728	272,896.20	1.45	13,183	5,561	10,823.98	1.95	364	536	834	1.55	963	250	351.93	1.41

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

District	Irish potatoes				Coco yam				Beans				Cowpeas			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	9,059	3,442	5,835.00	1.70	0	.	.	.	33,681	15,506	10,627.03	0.69	0	.	.	.
Korogwe	281	176	379.32	2.15	140	28	28.10	0.99	17,140	7,849	5,874.26	0.75	562	102	62.24	0.61
Muheza	0	.	.	.	206	94	41.26	0.44	6,705	2,873	5,757.76	2.00	825	216	255.42	1.18
Tanga	0	.	.	.	0	.	.	.	136	24	7.25	0.30	227	53	23.87	0.45
Pangani	0	.	.	.	0	.	.	.	36	15	7.29	0.49	583	121	59.23	0.49
Handeni	0	.	.	.	0	.	.	.	1,302	789	300.69	0.38	3,515	1,677	507.39	0.30
Kilindi	0	.	.	.	0	.	.	.	16,947	19,948	23,937.43	1.20	923	370	247.32	0.67
Mkinga	56	7	1.12	0.16	0	.	.	.	892	348	144.96	0.42	1,171	384	167.21	0.43
Total	9,396	3,625	6,215.43	1.71	347	122	69.36	0.57	76,839	47,351	46,656.68	0.99	7,805	2,925	1,322.68	0.45

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

District	Green gram				Chick peas				Bambaranuts				Field Peas			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	0	.	.	.	232	24	93.84	3.99	0	.	.	.
Korogwe	140	14	2.53	0.18	0	.	.	.	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Tanga	272	78	51.96	0.67	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	328	54	50.48	0.93	0	.	.	.	0	.	.	.	0	.	.	.
Handeni	781	395	185.49	0.47	0	.	.	.	0	.	.	.	0	.	.	.
Kilindi	84	8	.00	-	0	.	.	.	0	.	.	.	0	.	.	.
Mkinga	1,059	262	441.02	1.68	0	.	.	.	0	.	.	.	0	.	.	.
Total	2,665	812	731.48	0.90	0	.	.	.	232	24	93.84	3.99	0	.	.	.

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

District	Sunflower				Simsim				Groundnut				Okra			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	0	.	.	.	232	28	11.61	0.41	0	.	.	.
Korogwe	0	.	.	.	0	.	.	.	1,967	483	544.11	1.13	421	167	640.63	3.83
Muheza	0	.	.	.	0	.	.	.	619	267	245.41	0.92	103	5	3.09	0.62
Tanga	0	.	.	.	272	247	44.71	0.18	45	18	15.86	0.86	45	5	13.59	2.96
Pangani	0	.	.	.	1,021	618	229.67	0.37	73	30	9.11	0.31	255	69	94.59	1.37
Handeni	391	438	136.68	0.31	3,775	2,806	811.46	0.29	0	.	.	.	0	.	.	.
Kilindi	336	222	170.81	0.77	168	85	23.83	0.28	168	110	41.95	0.38	84	8	25.17	2.96
Mkinga	0	.	.	.	335	143	53.36	0.37	167	45	13.21	0.29	167	47	266.51	5.65
Total	726	661	307.48	0.47	5,570	3,898	1,163.02	0.30	3,271	982	881.27	0.90	1,076	301	1,043.58	3.46

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

District	Radish				Bitter Aubergine				Onion				Ginger			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	1,626	235	504.06	2.14	0	.	.	.	232	71	232.28	3.29
Korogwe	140	28	42.85	1.51	281	71	313.71	4.41	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	103	10	27.85	2.67	0	.	.	.	0	.	.	.
Tanga	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	0	.	.	.	109	15	15.31	0.99	0	.	.	.	0	.	.	.
Handeni	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Kilindi	0	.	.	.	84	8	.00	-	168	21	26.85	1.27	0	.	.	.
Mkinga	0	.	.	.	0	.	.	.	56	23	111.51	4.94	0	.	.	.
Total	140	28	42.85	1.51	2,203	341	860.93	2.53	224	44	138.36	3.17	232	71	232.28	3.29

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

District	Cabbage				Tomatoes				Spinach				Carrot			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	1,394	353	6,028.49	17.09	2,787	409	12,337.11	30.16	232	9	111.50	11.86	0	.	.	.
Korogwe	0	.	.	.	983	259	1,889.58	7.30	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	103	10	8.25	0.79	103	10	3.09	0.30	0	.	.	.
Tanga	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	0	.	.	.	109	44	69.25	1.56	36	4	6.93	1.88	0	.	.	.
Handeni	0	.	.	.	260	40	559.72	14.16	0	.	.	.	0	.	.	.
Kilindi	84	8	75.50	8.89	1,426	336	3,154.74	9.40	168	17	8.39	0.49	0	.	.	.
Mkinga	112	8	150.54	18.02	446	128	2,064.22	16.19	56	11	66.91	5.93	0	.	.	.
Total	1,589	370	6,254.53	16.93	6,116	1,225	20,082.88	16.39	595	52	196.81	3.80	0	.	.	.

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

Region	Chillies				Amaranths				Pumpkins				Egg Plant			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	465	94	724.73	7.71	0	.	.	.	0	.	.	.	0	.	.	.
Korogwe	281	85	491.71	5.76	0	.	.	.	0	.	.	.	0	.	.	.
Muheza	103	31	109.66	3.50	0	.	.	.	206	13	419.65	31.40	0	.	.	.
Tanga	0	.	.	.	181	50	60.98	1.21	0	.	.	.	0	.	.	.
Pangani	36	4	4.37	1.19	73	7	114.81	15.56	0	.	.	.	73	4	40.46	9.14
Handeni	0	.	.	.												
Kilindi	84	8	33.56	3.95	84	8	12.58	1.48	0	.	.	.	84	8	29.36	3.46
Mkinga	0	.	.	.	112	34	12.27	0.36	0	.	.	.	56	3	13.94	5.15
Total	969	223	1,364.03	6.12	450	100	200.64	2.00	206	13	419.65	31.40	213	16	83.76	5.36

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

District	Water Mellon				Cotton				Tobacco				Pyrethrum			
	No of Hholds	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)
Lushoto	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Korogwe	0	.	.	.	0	.	.	.	0	.	.	.	281	823	35.12	0.04
Muheza	103	10	12.38	1.19												
Tanga	0	.	.	.												
Pangani	73	18	120.28	6.52												
Handeni					130	53	79.01	1.50	0	.	.	.	0	.	.	.
Kilindi	0	.	.	.	0	.	.	.	84	34	23.49	0.69	0	.	.	.
Mkinga	0	.	.	.												
Total	84	34	23.49	0.69	130	53	79.01	1.50	84	34	23.49	0.69	281	823	35.12	0.04

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

District	Maize				Paddy				Sorghum				Wheat			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	98,953	45,025	37,950	0.8	0	.	.	.	232	56	46	0.8	232	66	35	1
Korogwe	69,963	54,273	61,168	1.1	8,851	4,162	9,503	2.3	140	171	211	1.2	0	.	.	.
Muheza	66,124	48,526	138,070	2.8	2,682	689	1,675	2.4	0	.	.	.	0	.	.	.
Tanga	12,685	7,896	10,690	1.4	1,268	451	1,392	3.1	0	.	.	.	0	.	.	.
Pangani	15,126	10,764	13,462	1.3	437	192	153	0.8	0	.	.	.	0	.	.	.
Handeni	67,817	79,794	90,173	1.1	781	303	247	0.8	0	.	.	.	0	.	.	.
Kilindi	42,031	55,896	70,664	1.3	503	272	235	0.9	168	309	567	1.8	0	.	.	.
Mkinga	19,291	13,708	12,570	0.9	223	152	117	0.8	56	56	56	1.0	0	.	.	.
Total	391,991	315,882	434,747	1.4	14,746	6,222	13,322	2	596	593	880	1	232	66	35	1

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

District	Cassava				Sweet Potato				Irish potatoes				Yams			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	465	89	227.64	2.55	3,949	682	979.31	1.44	35,772	10,749	16,206.05	1.51	0	.	.	.
Korogwe	0	.	.	.	140	14	113.66	7.99	281	176	379.32	2.15	0	.	.	.
Muheza	0	.	.	.	516	142	93.87	0.66	103	29	6.60	0.23	0	.	.	.
Tanga	0	.	.	.	181	27	67.95	2.49	0	.	.	.	0	.	.	.
Pangani	73	30	.00	-	146	18	10.57	0.57	0	.	.	.	0	.	.	.
Handeni	0	.	.	.	260	132	67.95	0.52	0	.	.	.	0	.	.	.
Kilindi	168	102	75.50	0.74	168	42	288.51	6.80	84	8	.00	-	84	34	3.69	0.11
Mkinga	0	.	.	.	223	50	121.21	2.43	56	7	1.12	0.16	0	.	.	.
Total	705	221	303.14	1.37	5,583	1,108	1,743.04	1.57	36,296	10,970	16,593.09	1.51	84	34	3.69	0.11

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

District	Coco Yam				Mung Beans				Beans				Cowpeas			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	465	71	53.43	0.76	465	193	181.18	0.94	95,701	35,234	24,077.95	0.68	1,394	329	162.13	0.49
Korogwe	140	28	28.10	0.99	140	28	28.10	0.99	19,387	8,402	6,493.82	0.77	983	295	132.76	0.45
Muheza	309	166	61.89	0.37	0	.	.	.	11,554	5,069	10,681.70	2.11	2,063	573	595.43	1.04
Tanga	0	.	.	.	45	37	22.65	0.62	181	33	10.65	0.32	634	194	35.97	0.19
Pangani	0	.	.	.	0	.	.	.	219	69	38.64	0.56	1,057	253	153.27	0.61
Handeni	0	.	.	.	130	53	13.02	0.25	1,692	948	313.83	0.33	16,922	9,513	2,609.58	0.27
Kilindi	0	.	.	.	0	.	.	.	17,534	20,271	24,781.57	1.22	2,517	988	501.52	0.51
Mkinga	0	.	.	.	112	45	61.33	1.37	2,063	709	748.51	1.06	4,014	1,196	842.07	0.70
Total	915	265	143.42	0.54	892	356	306.28	0.86	148,331	70,735	67,146.67	0.95	29,584	13,340	5,032.74	0.38

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

District	Green gram				Chick peas				Bambaranuts				Field Peas			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	0	.	.	.	232	24	93.84	3.99	232	56	84.55	1.50
Korogwe	140	14	2.53	0.18	0	.	.	.	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	0	.	.	.	0	.	.	.	0	.	.	.
Tanga	317	87	52.87	0.61	0	.	.	.	0	.	.	.	0	.	.	.
Pangani	583	158	101.44	0.64	0	.	.	.	0	.	.	.	0	.	.	.
Handeni	3,124	1,365	430.72	0.32	130	105	.00	-	0	.	.	.	0	.	.	.
Kilindi	84	8	.00	-	0	.	.	.	0	.	.	.	0	.	.	.
Mkinga	**2,453**	**561**	**661.87**	**1.18**	**0**	**.**	**.**	**.**	**0**	**.**	**.**	**.**	**0**	**.**	**.**	**.**
Total	6,702	2,194	1,249.43	0.57	130	105	.00	-	232	24	93.84	3.99	232	56	84.55	1.50

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

District	Sunflower				Simsim				Groundnut				Okra			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	0	.	.	.	1,626	334	369.33	1.11	232	42.3191	34.84273	0.82
Korogwe	0	.	.	.	0	.	.	.	3,091	700	872.72	1.25	702	210	668.73	3.19
Muheza	0	.	.	.	0	.	.	.	1,341	482	422.23	0.88	103	5	3.09	0.62
Tanga	0	.	.	.	317	320	50.15	0.16	136	46	31.26	0.68	181	50	34.20	0.68
Pangani	0	.	.	.	1,349	847	329.97	0.39	109	41	10.21	0.25	474	173	139.34	0.80
Handeni	391	438	136.68	0.31	4,946	3,412	1,080.25	0.32	0	.	.	.	0	.	.	.
Kilindi	671	412	200.17	0.49	168	85	23.83	0.28	252	144	75.50	0.52	84	8	25.17	2.96
Mkinga	0	.	.	.	335	143	53.36	0.37	1,004	238	78.11	0.33	167	47	266.51	5.65
Total	1,062	850	336.85	0.40	7,114	4,807	1,537.56	0.32	7,558	1,984	1,859.36	0.94	1,944	537	1,171.89	2.18

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

District	Radish				Bitter Aubergine				Onion				Ginger			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	2,555	334	754.93	2.26	1,161	169	485.01	2.87	929	279	1,091.74	3.91
Korogwe	140	28	42.85	1.51	281	71	313.71	4.41	0	.	.	.	0	.	.	.
Muheza	0	.	.	.	103	10	27.85	2.67	0	.	.	.	0	.	.	.
Tanga	0	.	.	.	0	.	.	.	0	.	.	.	45	15	1.59	0.11
Pangani	0	.	.	.	182	49	19.68	0.40	0	.	.	.	0	.	.	.
Handeni	0	.	.	.	0	.	.	.	0	.	.	.	130	158	104.13	0.66
Kilindi	0	.	.	.	84	8	.00	-	252	25	37.42	1.49	0	.	.	.
Mkinga	0	.	.	.	0	.	.	.	167	56	267.62	4.74	0	.	.	.
Total	140	28	42.85	1.51	3,205	473	1,116.17	2.36	1,580	251	790.05	3.15	1,105	452	1,197.46	2.65

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

District	Cabbage				Tomatoes				Spinach				Carrot			
	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	No of Hholds	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	4,181	931	9,255.39	9.94	8,595	1,345	35,125.19	26.12	465	33	183.51	5.58	232	24	46.46	1.98
Korogwe	0	.	.	.	1,124	287	2,451.53	8.53	140	14	42.15	2.96	0	.	.	.
Muheza	0	.	.	.	413	52	1,162.90	22.28	206	21	180.53	8.65	0	.	.	.
Tanga	0	.	.	.	45	18	9.06	0.49	0	.	.	.	0	.	.	.
Pangani	0	.	.	.	109	44	69.25	1.56	36	4	6.93	1.88	0	.	.	.
Handeni	0	.	.	.	260	40	559.72	14.16	0	.	.	.	0	.	.	.
Kilindi	168	13	88.93	6.89	1,510	361	3,182.09	8.81	168	17	8.39	0.49	0	.	.	.
Mkinga	167	20	178.42	9.09	669	178	2,244.31	12.59	167	34	136.60	4.03	0	.	.	.
Total	4,516	964	9,522.73	9.88	12,725	2,326	44,804.06	19.26	1,183	123	558.09	4.55	232	24	46.46	1.98

Cont…..

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

District	Chillies				Amaranths				Pumpkins				Eggplant			
	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)
Lushoto	1,626	249	1,205.56	4.84	232	19	53.43	2.84	0	.	.	.	0	.	.	.
Korogwe	421	100	519.81	5.22	0	.	.	.	0	.	.	.	140	14	29.50	2.07
Muheza	103	31	109.66	3.50	309	22	430.99	19.47	206	13	419.65	31.40	0	.	.	.
Tanga	0	.	.	.	317	76	93.82	1.24	0	.	.	.	0	.	.	.
Pangani	73	17	10.28	0.62	73	7	114.81	15.56	0	.	.	.	73	4	40.46	9.14
Handeni	130	26	43.74	1.66												
Kilindi	84	8	33.56	3.95	84	8	12.58	1.48	0	.	.	.	84	8	29.36	3.46
Mkinga	0	.	.	.	335	85	138.27	1.63	56	0	.84	3.71	56	3	13.94	5.15
Total	2,438	431	1,922.60	4.46	1,350	217	843.91	3.89	262	14	420.48	30.94	353	30	113.26	3.79

Cont…..

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

District	Water Mellon				Cotton				Tobacco				Pyrethrum			
	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Number of Household	Actual Planted Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)
Lushoto	0	.	.	.	0	.	.	.	232	94	34.84	0.37	0	.	.	.
Korogwe	0	.	.	.	0	.	.	.	0	.	.	.	281	823	35.12	0.04
Muheza	103	10	12.38	1.19												
Tanga	0	.	.	.												
Pangani	109	33	302.53	9.11												
Handeni					130	53	79.01	1.50	0	.	.	.	0	.	.	.
Kilindi	0	.	.	.	0	.	.	.	84	34	23.49	0.69	0	.	.	.
Mkinga	0	.	.	.												
Total	213	44	314.91	7.22	130	53	79.01	1.50	316	128	58.33	0.46	281	823	35.12	0.04

CROP PRODUCTION –GENERAL

5.9 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)		
Lushoto	84,087	68,278	40,418	28,149	96,426	70.81
Korogwe	21,495	13,466	54,650	56,346	69,812	19.29
Muheza	29,606	22,805	38,891	33,037	55,842	40.84
Tanga	3,851	2,620	10,465	6,631	9,251	28.32
Pangani	6,306	4,813	9,732	7,890	12,703	37.89
Handeni	26,554	26,475	49,463	69,864	96,339	27.48
Kilindi	21,896	28,984	27,685	50,080	79,064	36.66
Mkinga	13,660	11,086	6,858	6,203	17,288	64.12
Total	207,455	178,527	238,161	258,198	436,725	40.88

5.10 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	
Lushoto	84,087	9,988	40,418	53,658	94,075
Korogwe	21,495	35,403	54,650	2,248	56,898
Muheza	29,606	12,173	38,891	2,888	41,779
Tanga	3,851	11,779	10,465	5,164	15,629
Pangani	6,306	6,816	9,732	3,390	13,122
Handeni	26,554	26,164	49,463	3,254	52,718
Kilindi	21,896	12,081	27,685	6,292	33,977
Mkinga	13,660	8,921	6,858	15,723	22,581
Total	207,455	123,324	238,161	92,617	330,779

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

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	80,603	37,046	18,351	7,979	98,953	45,025
Paddy	-	.	-	.	-	.
Sorghum	232	56	-	.	232	56
Wheat	232	66	-	.	232	66
CEREALS		37,168		7,979		45,147
Cassava	465	89	-	.	465	89
Sweet Potato	3,949	682	-	.	3,949	682
Irish potatoes	26,713	7,307	9,059	3,442	35,772	10,749
Yams	-	.	-	.	-	.
Coco Yam	465	71	-	.	465	71
ROOTS & TUBERS		8,149		3,442		11,591
Mung Bean	465	193	-	.	465	193
Beans	62,020	19,728	33,681	15,506	95,701	35,234
Cowpeas	1,394	329	-	.	1,394	329
Green gram	-	.	-	.	-	.
Chick peas	-	.	-	.	-	.
Bambaranuts	-	.	232	24	232	24
Field Peas	232	56	-	.	232	56
PULSES		20,307		15,529		35,836
Sunflower	-	.	-	.	-	.
Simsim	-	.	-	.	-	.
Groundnut	1,394	306	232	28	1,626	334
OIL SEEDS & OIL NUTS		306		28		334
Okra	232	42	-	.	232	42
Radish	-	.	-	.	-	.
Bitteer Aubergine	929	99	1,626	235	2,555	334
Onion	1,161	169	-	.	1,161	169
Ginger	697	209	232	71	929	279
Cabbage	2,787	578	1,394	353	4,181	931
Tomatoes	5,807	936	2,787	409	8,595	1,345
Spinach	232	24	232	9	465	33
Carrot	232	24	-	.	232	24
Chillies	1,161	155	465	94	1,626	249
Amaranths	232	19	-	.	232	19
Pumpkins	-	.	-	.	-	.
Egg Plant	-	.	-	.	-	.
Water Mellon	-	.	-	.	-	.
FRUITS & VEGETABLES		2,254		1,171		3,425
Cotton	-	.	-	.	-	.
Tobacco	232	94	-	.	232	94
Pyrethrum	-	.	-	.	-	.
CASH CROPS		94		.		94
Total		68,278		28,149		96,426

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

	SHORT RAINY		LONG RAINY		SHORT & LONG SEASON	
Crop	**Number of Household**	**Planted Area (hectare)**	**Number of Household**	**Planted Area (hectare)**	**Number of Household**	**Planted Area (hectare)**
Maize	19,949	11,779	50,014	42,494	69,963	54,273
Paddy	1,264	583	7,586	3,579	8,851	4,162
Sorghum	-	.	140	171	140	171
Wheat	-	.	-	.	-	.
CEREALS		12,362		46,244		58,606
Cassava	-	.	-	.	-	.
Sweet Potato	-	.	140	14	140	14
Irish potatoes	-	.	281	176	281	176
Yams	-	.	-	.	-	.
Coco Yam	-	.	140	28	140	28
ROOTS & TUBERS		.		219		219
Mung Bean	140	28	-	.	140	28
Beans	2,248	553	17,140	7,849	19,387	8,402
Cowpeas	421	193	562	102	983	295
Green gram	-	.	140	14	140	14
Chick peas	-	.	-	.	-	.
Bambaranuts	-	.	-	.	-	.
Field Peas	-	.	-	.	-	.
PULSES		775		7,965		8,740
Sunflower	-	.	-	.	-	.
Simsim	-	.	-	.	-	.
Groundnut	1,124	216	1,967	483	3,091	700
OIL SEEDS & OIL NUTS		216		483		700
Okra	281	43	421	167	702	210
Radish	-	.	140	28	140	28
Bitteer Aubergine	-	.	281	71	281	71
Onion	-	.	-	.	-	.
Ginger	-	.	-	.	-	.
Cabbage	-	.	-	.	-	.
Tomatoes	140	28	983	259	1,124	287
Spinach	140	14	-	.	140	14
Carrot	-	.	-	.	-	.
Chillies	140	14	281	85	421	100
Amaranths	-	.	-	.	-	.
Pumpkins	-	.	-	.	-	.
Egg Plant	140	14	-	.	140	14
Water Mellon	-	.	-	.	-	.
FRUITS & VEGETABLES		114		611		725
Cotton	-	.	-	.	-	.
Tobacco	-	.	-	.	-	.
Pyrethrum	-	.	281	823	281	823
CASH CROPS		.		823		823
Total		13,466		56,346		69,812

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

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	28,781	19,765	37,343	28,761	66,124	48,526
Paddy	103	21	2,579	668	2,682	689
Sorghum	-	.	-	.	-	.
Wheat	-	.	-	.	-	.
CEREALS		19,785		29,430		49,215
Cassava	-	.	-	.	-	.
Sweet Potato	309	76	206	66	516	142
Irish potatoes	103	29	-	.	103	29
Yams	-	.	-	.	-	.
Coco Yam	103	73	206	94	309	166
ROOTS & TUBERS		178		160		338
Mung Bean	-	.	-	.	-	.
Beans	4,848	2,196	6,705	2,873	11,554	5,069
Cowpeas	1,238	357	825	216	2,063	573
Green gram	-	.	-	.	-	.
Chick peas	-	.	-	.	-	.
Bambaranuts	-	.	-	.	-	.
Field Peas	-	.	-	.	-	.
PULSES		2,553		3,089		5,642
Sunflower	-	.	-	.	-	.
Simsim	-	.	-	.	-	.
Groundnut	722	214	619	267	1,341	482
OIL SEEDS & OIL NUTS		214		267		482
Okra	-	.	103	5	103	5
Radish	-	.	-	.	-	.
Bitteer Aubergine	-	.	103	10	103	10
Onion	-	.	-	.	-	.
Ginger	-	.	-	.	-	.
Cabbage	-	.	-	.	-	.
Tomatoes	309	42	103	10	413	52
Spinach	103	10	103	10	206	21
Carrot	-	.	-	.	-	.
Chillies	-	.	103	31	103	31
Amaranths	309	22	-	.	309	22
Pumpkins	-	.	206	13	206	13
Egg Plant	-	.	-	.	-	.
Water Mellon	-	.	103	10	103	10
FRUITS & VEGETABLES		74		91		166
Cotton	-	.	-	.	-	.
Tobacco	-	.	-	.	-	.
Pyrethrum	-	.	-	.	-	.
CASH CROPS		.		.		.
Total		22,805		33,037		55,842

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

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	3,534	2,219	9,151	5,677	12,685	7,896
Paddy	-	.	1,268	451	1,268	451
Sorghum	-	.	-	.	-	.
Wheat	-	.	-	.	-	.
CEREALS		2,219		6,129		8,348
Cassava	-	.	-	.	-	.
Sweet Potato	-	.	181	27	181	27
Irish potatoes	-	.	-	.	-	.
Yams	-	.	-	.	-	.
Coco Yam	-	.	-	.	-	.
ROOTS & TUBERS		.		27		27
Mung Bean	45	37	-	.	45	37
Beans	45	9	136	24	181	33
Cowpeas	408	141	227	53	634	194
Green gram	45	9	272	78	317	87
Chick peas	-	.	-	.	-	.
Bambaranuts	-	.	-	.	-	.
Field Peas	-	.	-	.	-	.
PULSES		196		155		351
Sunflower	-	.	-	.	-	.
Simsim	45	73	272	247	317	320
Groundnut	91	28	45	18	136	46
OIL SEEDS & OIL NUTS		101		265		366
Okra	136	46	45	5	181	50
Radish	-	.	-	.	-	.
Bitteer Aubergine	-	.	-	.	-	.
Onion	-	.	-	.	-	.
Ginger	45	15	-	.	45	15
Cabbage	-	.	-	.	-	.
Tomatoes	45	18	-	.	45	18
Spinach	-	.	-	.	-	.
Carrot	-	.	-	.	-	.
Chillies	-	.	-	.	-	.
Amaranths	136	25	181	50	317	76
Pumpkins	-	.	-	.	-	.
Egg Plant	-	.	-	.	-	.
Water Mellon	-	.	-	.	-	.
FRUITS & VEGETABLES		104		55		159
Cotton	-	.	-	.	-	.
Tobacco	-	.	-	.	-	.
Pyrethrum	-	.	-	.	-	.
CASH CROPS		.		.		.
Total		2,620		6,631		9,251

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

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	6,123	4,084	9,003	6,680	15,126	10,764
Paddy	-	.	437	192	437	192
Sorghum	-	.	-	.	-	.
Wheat	-	.	-	.	-	.
CEREALS		4,084		6,872		10,956
Cassava	73	30	-	.	73	30
Sweet Potato	36	4	109	15	146	18
Irish potatoes	-	.	-	.	-	.
Yams	-	.	-	.	-	.
Coco Yam	-	.	-	.	-	.
ROOTS & TUBERS		33		15		48
Mung Bean	-	.	-	.	-	.
Beans	182	55	36	15	219	69
Cowpeas	474	132	583	121	1,057	253
Green gram	255	104	328	54	583	158
Chick peas	-	.	-	.	-	.
Bambaranuts	-	.	-	.	-	.
Field Peas	-	.	-	.	-	.
PULSES		291		190		480
Sunflower	-	.	-	.	-	.
Simsim	328	229	1,021	618	1,349	847
Groundnut	36	11	73	30	109	41
OIL SEEDS & OIL NUTS		240		647		887
Okra	219	104	255	69	474	173
Radish	-	.	-	.	-	.
Bitteer Aubergine	73	33	109	15	182	49
Onion	-	.	-	.	-	.
Ginger	-	.	-	.	-	.
Cabbage	-	.	-	.	-	.
Tomatoes	-	.	109	44	109	44
Spinach	-	.	36	4	36	4
Carrot	-	.	-	.	-	.
Chillies	36	13	36	4	73	17
Amaranths	-	.	73	7	73	7
Pumpkins	-	.	-	.	-	.
Egg Plant	-	.	73	4	73	4
Water Mellon	36	15	73	18	109	33
FRUITS & VEGETABLES		165		166		331
Cotton	-	.	-	.	-	.
Tobacco	-	.	-	.	-	.
Pyrethrum	-	.	-	.	-	.
CASH CROPS		.		.		.
Total		4,813		7,890		12,703

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

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	19,004	16,538	48,813	63,256	67,817	79,794
Paddy	-	.	781	303	781	303
Sorghum	-	.	-	.	-	.
Wheat	-	.	-	.	-	.
CEREALS		16,538		63,559		80,097
Cassava	-	.	-	.	-	.
Sweet Potato	130	26	130	105	260	132
Irish potatoes	-	.	-	.	-	.
Yams	-	.	-	.	-	.
Coco Yam	-	.	-	.	-	.
ROOTS & TUBERS		26		105		132
Mung Bean	130	53	-	.	130	53
Beans	391	158	1,302	789	1,692	948
Cowpeas	13,407	7,835	3,515	1,677	16,922	9,513
Green gram	2,343	970	781	395	3,124	1,365
Chick peas	130	105	-	.	130	105
Bambaranuts	-	.	-	.	-	.
Field Peas	-	.	-	.	-	.
PULSES		9,121		2,862		11,983
Sunflower	-	.	391	438	391	438
Simsim	1,172	606	3,775	2,806	4,946	3,412
Groundnut	-	.	-	.	-	.
OIL SEEDS & OIL NUTS		606		3,245		3,851
Okra	-	.	-	.	-	.
Radish	-	.	-	.	-	.
Bitteer Aubergine	-	.	-	.	-	.
Onion	-	.	-	.	-	.
Ginger	130	158	-	.	130	158
Cabbage	-	.	-	.	-	.
Tomatoes	-	.	260	40	260	40
Spinach	-	.	-	.	-	.
Carrot	-	.	-	.	-	.
Chillies	130	26	-	.	130	26
Amaranths	-	.	-	.	-	.
Pumpkins	-	.	-	.	-	.
Egg Plant	-	.	-	.	-	.
Water Mellon	-	.	-	.	-	.
FRUITS & VEGETABLES		184		40		223
Cotton	-	.	130	53	130	53
Tobacco	-	.	-	.	-	.
Pyrethrum	-	.	-	.	-	.
CASH CROPS		.		53		53
Total		26,475		69,864		96,339

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

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	21,645	27,592	20,386	28,304	42,031	55,896
Paddy	84	17	419	255	503	272
Sorghum	-	.	168	309	168	309
Wheat	-	.	-	.	-	.
CEREALS		27,609		28,868		56,477
Cassava	168	102	-	.	168	102
Sweet Potato	84	34	84	8	168	42
Irish potatoes	84	8	-	.	84	8
Yams	84	34	-	.	84	34
Coco Yam	-	.	-	.	-	.
ROOTS & TUBERS		178		8		187
Mung Bean	-	.	-	.	-	.
Beans	587	323	16,947	19,948	17,534	20,271
Cowpeas	1,594	617	923	370	2,517	988
Green gram	-	.	84	8	84	8
Chick peas	-	.	-	.	-	.
Bambaranuts	-	.	-	.	-	.
Field Peas	-	.	-	.	-	.
PULSES		940		20,327		21,267
Sunflower	336	189	336	222	671	412
Simsim	-	.	168	85	168	85
Groundnut	84	34	168	110	252	144
OIL SEEDS & OIL NUTS		223		418		641
Okra	-	.	84	8	84	8
Radish	-	.	-	.	-	.
Bitteer Aubergine	-	.	84	8	84	8
Onion	84	4	168	21	252	25
Ginger	-	.	-	.	-	.
Cabbage	84	4	84	8	168	13
Tomatoes	84	25	1,426	336	1,510	361
Spinach	-	.	168	17	168	17
Carrot	-	.	-	.	-	.
Chillies	-	.	84	8	84	8
Amaranths	-	.	84	8	84	8
Pumpkins	-	.	-	.	-	.
Egg Plant	-	.	84	8	84	8
Water Mellon	-	.	-	.	-	.
FRUITS & VEGETABLES		34		425		459
Cotton	-	.	-	.	-	.
Tobacco	-	.	84	34	84	34
Pyrethrum	-	.	-	.	-	.
CASH CROPS		.		34		34
Total		28,984		50,080		79,064

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

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	13,047	9,132	6,245	4,576	19,291	13,708
Paddy	112	40	112	113	223	152
Sorghum	-	.	56	56	56	56
Wheat	-	.	-	.	-	.
CEREALS		9,171		4,746		13,917
Cassava	-	.	-	.	-	.
Sweet Potato	112	36	112	14	223	50
Irish potatoes	-	.	56	7	56	7
Yams	-	.	-	.	-	.
Coco Yam	-	.	-	.	-	.
ROOTS & TUBERS		36		21		57
Mung Bean	112	45	-	.	112	45
Beans	1,171	361	892	348	2,063	709
Cowpeas	2,844	811	1,171	384	4,014	1,196
Green gram	1,394	299	1,059	262	2,453	561
Chick peas	-	.	-	.	-	.
Bambaranuts	-	.	-	.	-	.
Field Peas	-	.	-	.	-	.
PULSES		1,516		995		2,510
Sunflower	-	.	-	.	-	.
Simsim	-	.	335	143	335	143
Groundnut	836	193	167	45	1,004	238
OIL SEEDS & OIL NUTS		193		188		381
Okra	-	.	167	47	167	47
Radish	-	.	-	.	-	.
Bitteer Aubergine	-	.	-	.	-	.
Onion	112	34	56	23	167	56
Ginger	-	.	-	.	-	.
Cabbage	56	11	112	8	167	20
Tomatoes	223	51	446	128	669	178
Spinach	112	23	56	11	167	34
Carrot	-	.	-	.	-	.
Chillies	-	.	-	.	-	.
Amaranths	223	51	112	34	335	85
Pumpkins	56	0	-	.	56	0
Egg Plant	-	.	56	3	56	3
Water Mellon	-	.	-	.	-	.
FRUITS & VEGETABLES		170		253		423
Cotton	-	.	-	.	-	.
Tobacco	-	.	-	.	-	.
Pyrethrum	-	.	-	.	-	.
CASH CROPS		.		.		.
Total		11,086		6,203		17,288

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

Crop	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
	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	37,046	30,008	0.8	7,979	7,942	1.0	45,025	37,950	0.8
Paddy	.	.	.	.	.	.	.	.	.
Sorghum	56	46	0.8	.	.	.	56	46	0.8
Wheat	66	35	0.5	.	.	.	66	35	0.5
CEREALS	37,168	30,090	0.8	7,979	7,942	1.0	45,147	38,032	0.8
Cassava	89	228	2.5	.	.	.	89	228	2.5
Sweet Potato	682	979	1.4	.	.	.	682	979	1.4
Irish potatoes	7,307	10,371	1.4	3,442	5,835	1.7	10,749	16,206	1.5
Yams	.	.	.	.	.	.	.	.	.
Coco Yam	71	53	0.76	.	.	.	71	53	0.76
ROOTS & TUBERS	8,149	11,631	1.4	3,442	5,835	1.7	11,591	17,466	1.5
Mung Bean	193	181	0.9	.	.	.	193	181	0.9
Beans	19,728	13,451	0.7	15,506	10,627	0.7	35,234	24,078	0.7
Cowpeas	329	162	0.5	.	.	.	329	162	0.5
Green gram	.	.	.	.	.	.	.	.	.
Chick peas	.	.	.	.	.	.	.	.	.
Bambaranuts	.	.	.	24	94	4.0	24	94	4.0
Field Peas	56	85	1.5	.	.	.	56	85	1.5
PULSES	20,307	13,879	0.7	15,529	10,721	0.7	35,836	24,600	0.7
Sunflower	.	.	.	.	.	.	.	.	.
Simsim	.	.	.	.	.	.	.	.	.
Groundnut	306	358	1.2	28	12	0.4	334	369	1.1
OIL SEEDS & OIL NUTS	306	358	1.2	28	12	0.4	334	369	1.1
Okra	42	35	0.8	.	.	.	42	35	0.8
Radish	.	.	.	.	.	.	.	.	.
Bitteer Aubergine	99	251	2.5	235	504	2.1	334	755	2.3
Onion	169	485	2.9	.	.	.	169	485	2.9
Ginger	209	859	4.1	71	232	3.3	279	1,092	3.9
Cabbage	578	3,227	5.6	353	6,028	17.1	931	9,255	9.9
Tomatoes	936	22,788	24.4	409	12,337	30.2	1,345	35,125	26.1
Spinach	24	72	3.1	9	111	11.9	33	184	5.6
Carrot	24	46	2.0	.	.	.	24	46	2.0
Chillies	155	481	3.1	94	725	7.7	249	1,206	4.8
Amaranths	19	53	2.8	.	.	.	19	53	2.8
Pumpkins	.	.	.	.	.	.	.	.	.
Egg Plant	.	.	.	.	.	.	.	.	.
Water Mellon	.	.	.	.	.	.	.	.	.
FRUITS & VEGETABLES	2,254	28,298	12.6	1,171	19,938	17.0	3,425	48,236	14.1
Cotton	.	.	.	.	.	.	.	.	.
Tobacco	94	35	0.4	.	.	.	94	35	0.4
Pyrethrum	.	.	.	.	.	.	.	.	.
CASH CROPS	94	35	0.4	.	.	.	94	35	0.4
Total	68,278	84,290	1.2	28,149	44,447	1.6	96,426	128,738	1.3

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

Crop	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
	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	11,779	11,621	1.0	42,494	49,546	1.2	54,273	61,168	1.1
Paddy	583	2,317	4.0	3,579	7,186	2.0	4,162	9,503	2.3
Sorghum	.	.	.	171	211	1.2	171	211	1.2
Wheat	.	.	.	.	.	.	.	.	.
CEREALS	12,362	13,938	1.1	46,244	56,944	1.2	58,606	70,882	1.2
Cassava	.	.	.	.	.	.	.	.	.
Sweet Potato	.	.	.	14	114	8.0	14	114	8.0
Irish potatoes	.	.	.	176	379	2.2	176	379	2.2
Yams	.	.	.	.	.	.	.	.	.
Coco Yam	.	.	.	28	28.10	0.99	28	28	0.99
ROOTS & TUBERS	.	.	.	219	521	2.4	219	521	2.4
Mung Bean	28	28	1.0	.	.	.	28	28	1.0
Beans	553	620	1.1	7,849	5,874	0.7	8,402	6,494	0.8
Cowpeas	193	71	0.4	102	62	0.6	295	133	0.4
Green gram	.	.	.	14	3	0.2	14	3	0.2
Chick peas	.	.	.	.	.	.	.	.	.
Bambaranuts	.	.	.	.	.	.	.	.	.
Field Peas	.	.	.	.	.	.	.	.	.
PULSES	775	718	0.9	7,965	5,939	0.7	8,740	6,657	0.8
Sunflower	.	.	.	.	.	.	.	.	.
Simsim	.	.	.	.	.	.	.	.	.
Groundnut	216	329	1.5	483	544	1.1	700	873	1.2
OIL SEEDS & OIL NUTS	216	329	1.5	483	544	1.1	700	873	1.2
Okra	43	28	0.7	167	641	3.8	210	669	3.2
Radish	.	.	.	28	43	1.5	28	43	1.5
Bitteer Aubergine	.	.	.	71	314	4.4	71	314	4.4
Onion	.	.	.	.	.	.	.	.	.
Ginger	.	.	.	.	.	.	.	.	.
Cabbage	.	.	.	.	.	.	.	.	.
Tomatoes	28	562	19.8	259	1,890	7.3	287	2,452	8.5
Spinach	14	42	3.0	.	.	.	14	42	3.0
Carrot	.	.	.	.	.	.	.	.	.
Chillies	14	28	2.0	85	492	5.8	100	520	5.2
Amaranths	.	.	.	.	.	.	.	.	.
Pumpkins	.	.	.	.	.	.	.	.	.
Egg Plant	14	30	2.1	.	.	.	14	30	2.1
Water Mellon	.	.	.	.	.	.	.	.	.
FRUITS & VEGETABLES	114	690	6.1	611	3,378	5.5	725	4,068	5.6
Cotton	.	.	.	.	.	.	.	.	.
Tobacco	.	.	.	.	.	.	.	.	.
Pyrethrum	.	.	.	823	35	0.0	823	35	0.0
CASH CROPS	.	.	.	823	35	0.0	823	35	0.0
Total	13,466	15,675	1.2	56,346	67,361	1.2	69,812	83,036	1.2

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

Crop	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
	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	19,765	58,308	3.0	28,761	79,762	2.8	48,526	138,070	2.8
Paddy	21	83	4.0	668	1,591	2.4	689	1,675	2.4
Sorghum	.	.	.	.	.	.	.	.	.
Wheat	.	.	.	.	.	.	.	.	.
CEREALS	19,785	58,391	3.0	29,430	81,354	2.8	49,215	139,745	2.8
Cassava	.	.	.	.	.	.	.	.	.
Sweet Potato	76	47	0.6	66	46	0.7	142	94	0.7
Irish potatoes	29	7	0.2	.	.	.	29	7	0.2
Yams	.	.	.	.	.	.	.	.	.
Coco Yam	73	21	0.28	94	41.26	0.44	166	62	0.37
ROOTS & TUBERS	178	75	0.4	160	88	0.5	338	162	0.5
Mung Bean	.	.	.	.	.	.	.	.	.
Beans	2,196	4,924	2.2	2,873	5,758	2.0	5,069	10,682	2.1
Cowpeas	357	340	1.0	216	255	1.2	573	595	1.0
Green gram	.	.	.	.	.	.	.	.	.
Chick peas	.	.	.	.	.	.	.	.	.
Bambaranuts	.	.	.	.	.	.	.	.	.
Field Peas	.	.	.	.	.	.	.	.	.
PULSES	2,553	5,264	2.1	3,089	6,013	1.9	5,642	11,277	2.0
Sunflower	.	.	.	.	.	.	.	.	.
Simsim	.	.	.	.	.	.	.	.	.
Groundnut	214	177	0.8	267	245	0.9	482	422	0.9
OIL SEEDS & OIL NUTS	214	177	0.8	267	245	0.9	482	422	0.9
Okra	.	.	.	5	3	0.6	5	3	0.6
Radish	.	.	.	.	.	.	.	.	.
Bitteer Aubergine	.	.	.	10	28	2.7	10	28	2.7
Onion	.	.	.	.	.	.	.	.	.
Ginger	.	.	.	.	.	.	.	.	.
Cabbage	.	.	.	.	.	.	.	.	.
Tomatoes	42	1,155	27.6	10	8	0.8	52	1,163	22.3
Spinach	10	177	17.0	10	3	0.3	21	181	8.6
Carrot	.	.	.	.	.	.	.	.	.
Chillies	.	.	.	31	110	3.5	31	110	3.5
Amaranths	22	431	19.5	.	.	.	22	431	19.5
Pumpkins	.	.	.	13	420	31.4	13	420	31.4
Egg Plant	.	.	.	.	.	.	.	.	.
Water Mellon	.	.	.	10	12	1.2	10	12	1.2
FRUITS & VEGETABLES	74	1,763	23.7	91	584	6.4	166	2,347	14.2
Cotton	.	.	.	.	.	.	.	.	.
Tobacco	.	.	.	.	.	.	.	.	.
Pyrethrum	.	.	.	.	.	.	.	.	.
CASH CROPS	.	.	.	.	.	.	.	.	.
Total	22,805	65,670	2.9	33,037	88,284	2.7	55,842	153,954	2.8

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

Crop	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
	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	2,219	2,506	1.1	5,677	8,184	1.4	7,896	10,690	1.4
Paddy	.	.	.	451	1,392	3.1	451	1,392	3.1
Sorghum	.	.	.	.	.	.	.	.	.
Wheat	.	.	.	.	.	.	.	.	.
CEREALS	2,219	2,506	1.1	6,129	9,576	1.6	8,348	12,081	1.4
Cassava	.	.	.	.	.	.	.	.	.
Sweet Potato	.	.	.	27	68	2.5	27	68	2.5
Irish potatoes	.	.	.	.	.	.	.	.	.
Yams	.	.	.	.	.	.	.	.	.
Coco Yam	.	.	.	.	.	.	.	.	.
ROOTS & TUBERS	.	.	.	27	68	2.5	27	68	2.5
Mung Bean	37	23	0.6	.	.	.	37	23	0.6
Beans	9	3	0.4	24	7	0.3	33	11	0.3
Cowpeas	141	12	0.1	53	24	0.4	194	36	0.2
Green gram	9	1	0.1	78	52	0.7	87	53	0.6
Chick peas	.	.	.	.	.	.	.	.	.
Bambaranuts	.	.	.	.	.	.	.	.	.
Field Peas	.	.	.	.	.	.	.	.	.
PULSES	196	39	0.2	155	83	0.5	351	122	0.3
Sunflower	.	.	.	.	.	.	.	.	.
Simsim	73	5	0.1	247	45	0.2	320	50	0.2
Groundnut	28	15	0.6	18	16	0.9	46	31	0.7
OIL SEEDS & OIL NUTS	101	21	0.2	265	61	0.2	366	81	0.2
Okra	46	21	0.4	5	14	3.0	50	34	0.7
Radish	.	.	.	.	.	.	.	.	.
Bitteer Aubergine	.	.	.	.	.	.	.	.	.
Onion	.	.	.	.	.	.	.	.	.
Ginger	15	2	0.1	.	.	.	15	2	0.1
Cabbage	.	.	.	.	.	.	.	.	.
Tomatoes	18	9	0.5	.	.	.	18	9	0.5
Spinach	.	.	.	.	.	.	.	.	.
Carrot	.	.	.	.	.	.	.	.	.
Chillies	.	.	.	.	.	.	.	.	.
Amaranths	25	33	1.3	50	61	1.2	76	94	1.2
Pumpkins	.	.	.	.	.	.	.	.	.
Egg Plant	.	.	.	.	.	.	.	.	.
Water Mellon	.	.	.	.	.	.	.	.	.
FRUITS & VEGETABLES	104	64	0.6	55	75	1.4	159	139	0.9
Cotton	.	.	.	.	.	.	.	.	.
Tobacco	.	.	.	.	.	.	.	.	.
Pyrethrum	.	.	.	.	.	.	.	.	.
CASH CROPS	.	.	.	.	.	.	.	.	.
Total	2,620	2,630	1.0	6,631	9,862	1.5	9,251	12,492	1.4

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

Crop	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
	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	4,084	3,858	0.9	6,680	9,603	1.4	10,764	13,462	1.3
Paddy	.	.	.	192	153	0.8	192	153	0.8
Sorghum	.	.	.	.	.	.	.	.	.
Wheat	.	.	.	.	.	.	.	.	.
CEREALS	4,084	3,858	0.9	6,872	9,757	1.4	10,956	13,615	1.2
Cassava	30	-	-	.	.	.	30	-	-
Sweet Potato	4	1	0.4	15	9	0.6	18	11	0.6
Irish potatoes	.	.	.	.	.	.	.	.	.
Yams	.	.	.	.	.	.	.	.	.
Coco Yam	.	.	.	.	.	.	.	.	.
ROOTS & TUBERS	33	1	0.0	15	9	0.6	48	11	0.2
Mung Bean	.	.	.	.	.	.	.	.	.
Beans	55	31	0.6	15	7	0.5	69	39	0.6
Cowpeas	132	94	0.7	121	59	0.5	253	153	0.6
Green gram	104	51	0.5	54	50	0.9	158	101	0.6
Chick peas	.	.	.	.	.	.	.	.	.
Bambaranuts	.	.	.	.	.	.	.	.	.
Field Peas	.	.	.	.	.	.	.	.	.
PULSES	291	176	0.6	190	117	0.6	480	293	0.6
Sunflower	.	.	.	.	.	.	.	.	.
Simsim	229	100	0.4	618	230	0.4	847	330	0.4
Groundnut	11	1	0.1	30	9	0.3	41	10	0.3
OIL SEEDS & OIL NUTS	240	101	0.4	647	239	0.4	887	340	0.4
Okra	104	45	0.4	69	95	1.4	173	139	0.8
Radish	.	.	.	.	.	.	.	.	.
Bitteer Aubergine	33	4	0.1	15	15	1.0	49	20	0.4
Onion	.	.	.	.	.	.	.	.	.
Ginger	.	.	.	.	.	.	.	.	.
Cabbage	.	.	.	.	.	.	.	.	.
Tomatoes	.	.	.	44	69	1.6	44	69	1.6
Spinach	.	.	.	4	7	1.9	4	7	1.9
Carrot	.	.	.	.	.	.	.	.	.
Chillies	13	6	0.5	4	4	1.2	17	10	0.6
Amaranths	.	.	.	7	115	15.6	7	115	15.6
Pumpkins	.	.	.	.	.	.	.	.	.
Egg Plant	.	.	.	4	40	9.1	4	40	9.1
Water Mellon	15	182	12.4	18	120	6.5	33	303	9.1
FRUITS & VEGETABLES	165	237	1.4	166	466	2.8	331	703	2.1
Cotton	.	.	.	.	.	.	.	.	.
Tobacco	.	.	.	.	.	.	.	.	.
Pyrethrum	.	.	.	.	.	.	.	.	.
CASH CROPS	.	.	.	.	.	.	.	.	.
Total	4,813	4,375	0.9	7,890	10,588	1.3	12,703	14,963	1.2

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

Crop	SHORT RAINY			LONG RAINY			SHORT & LONG RAINY SEASON		
	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	9,132	7,784	0.9	4,576	4,786	1.0	13,708	12,570	0.9
Paddy	40	72	1.8	113	45	0.4	152	117	0.8
Sorghum	.	.	.	56	56	1.0	56	56	1.0
Wheat	.	.	.	.	.	.	.	.	.
CEREALS	9,171	7,857	0.9	4,746	4,886	1.0	13,917	12,743	0.9
Cassava	.	.	.	.	.	.	.	.	.
Sweet Potato	36	75	2.1	14	46	3.3	50	121	2.4
Irish potatoes	.	.	.	7	1	0.2	7	1	0.2
Yams	.	.	.	.	.	.	.	.	.
Coco Yam	.	.	.	.	.	.	.	.	.
ROOTS & TUBERS	36	75	2.1	21	47	2.2	57	122	2.2
Mung Bean	45	61	1.4	.	.	.	45	61	1.4
Beans	361	604	1.7	348	145	0.4	709	749	1.1
Cowpeas	811	675	0.8	384	167	0.4	1,196	842	0.7
Green gram	299	221	0.7	262	441	1.7	561	662	1.2
Chick peas	.	.	.	.	.	.	.	.	.
Bambaranuts	.	.	.	.	.	.	.	.	.
Field Peas	.	.	.	.	.	.	.	.	.
PULSES	1,516	1,561	1.0	995	753	0.8	2,510	2,314	0.9
Sunflower	.	.	.	.	.	.	.	.	.
Simsim	.	.	.	143	53	0.4	143	53	0.4
Groundnut	193	65	0.3	45	13	0.3	238	78	0.3
OIL SEEDS & OIL NUTS	193	65	0.3	188	67	0.4	381	131	0.3
Okra	.	.	.	47	267	5.6	47	267	5.6
Radish	.	.	.	.	.	.	.	.	.
Bitteer Aubergine	.	.	.	.	.	.	.	.	.
Onion	34	156	4.6	23	112	4.9	56	268	4.7
Ginger	.	.	.	.	.	.	.	.	.
Cabbage	11	28	2.5	8	151	18.0	20	178	9.1
Tomatoes	51	180	3.5	128	2,064	16.2	178	2,244	12.6
Spinach	23	70	3.1	11	67	5.9	34	137	4.0
Carrot	.	.	.	.	.	.	.	.	.
Chillies	.	.	.	.	.	.	.	.	.
Amaranths	51	126	2.5	34	12	0.4	85	138	1.6
Pumpkins	0	1	3.7	.	.	.	0	1	3.7
Egg Plant	.	.	.	3	14	5.1	3	14	5.1
Water Mellon	.	.	.	.	.	.	.	.	.
FRUITS & VEGETABLES	170	561	3.3	253	2,686	10.6	423	3,247	7.7
Cotton	.	.	.	.	.	.	.	.	.
Tobacco	.	.	.	.	.	.	.	.	.
Pyrethrum	.	.	.	.	.	.	.	.	.
CASH CROPS	.	.	.	.	.	.	.	.	.
Total	11,086	10,118	0.9	6,203	8,439	1.4	17,288	18,557	1.1

CROP STORAGE

5.17 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
Lushoto	78,048	93	6,039	7	84,087	38,095	94	2,323	6	40,418	116,142	93	8,362	7	124,505
Korogwe	18,966	88	2,529	12	21,495	51,419	94	3,231	6	54,650	70,385	92	5,760	8	76,145
Muheza	27,853	94	1,754	6	29,606	37,653	97	1,238	3	38,891	65,505	96	2,992	4	68,497
Tanga	3,262	85	589	15	3,851	10,057	96	408	4	10,465	13,319	93	997	7	14,315
Pangani	5,467	87	838	13	6,306	9,222	95	510	5	9,732	14,689	92	1,349	8	16,038
Handeni	20,046	75	6,508	25	26,554	47,771	97	1,692	3	49,463	67,817	89	8,201	11	76,017
Kilindi	20,135	92	1,762	8	21,896	26,091	94	1,594	6	27,685	46,226	93	3,356	7	49,581
Mkinga	11,709	86	1,951	14	13,660	5,799	85	1,059	15	6,858	17,507	85	3,011	15	20,518
Total	185,484	89	21,971	11	207,455	226,106	95	12,055	5	238,161	411,590	92	34,026	8	445,616

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

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	52,496	65.1	5,807	7.2	0	0.0	14,402	17.9	0	0.0	232	0.3	7,665	9.5	0	0.0	80,603	100
Paddy	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
Sorghum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
Wheat	0	0.0	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
CEREALS	52,496	64.8	6,039	7.4	0	0.0	14,402	17.8	0	0.0	232	0.3	7,898	9.7	0	0.0	81,067	100
Cassava	232	50.0	0	0.0	0	0.0	232	50.0	0	0.0	0	0.0	0	0.0	0	0.0	465	100
Sweet Potato	1,858	47.1	232	5.9	0	0.0	0	0.0	0	0.0	0	0.0	1,858	47.1	0	0.0	3,949	100
Irish potatoes	7,201	27.0	2,555	9.6	0	0.0	0	0.0	0	0.0	1,858	7.0	15,099	56.5	0	0.0	26,713	100
Yams	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
Coco Yam	465	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	465	100
ROOTS & TUBERS	9,756	30.9	2,787	8.8	0	0.0	232	0.7	0	0.0	1,858	5.9	16,957	53.7	0	0.0	31,591	100
Mung Bean	232	50.0	232	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	465	100
Beans	35,540	57.3	4,878	7.9	0	0.0	11,847	19.1	1,858	3.0	0	0.0	7,898	12.7	0	0.0	62,020	100
Cowpeas	465	33.3	232	16.7	0	0.0	0	0.0	0	0.0	0	0.0	697	50.0	0	0.0	1,394	100
Green gram	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
Chick peas	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
Bambaranuts	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
Field Peas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
PULSES	36,236	56.5	5,343	8.3	0	0.0	11,847	18.5	1,858	2.9	0	0.0	8,827	13.8	0	0.0	64,111	100
Sunflower	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
Simsim	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
Groundnut	0	0.0	0	0.0	0	0.0	1,161	83.3	0	0.0	0	0.0	232	16.7	0	0.0	1,394	100
OIL SEEDS & OIL NUTS	0	0.0	0	0.0	0	0.0	1,161	83.3	0	0.0	0	0.0	232	16.7	0	0.0	1,394	100

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

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	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
Radish	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
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	929	100.0	0	0.0	929	100
Onion	232	20.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	929	80.0	0	0.0	1,161	100
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	697	100.0	0	0.0	697	100
Cabbage	0	0.0	0	0.0	0	0.0	232	8.3	0	0.0	232	8.3	2,323	83.3	0	0.0	2,787	100
Tomatoes	0	0.0	232	4.0	0	0.0	232	4.0	0	0.0	232	4.0	5,110	88.0	0	0.0	5,807	100
Spinach	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
Carrot	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,161	100.0	0	0.0	1,161	100
Amaranths	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	929	6.9	232	1.7	0	0.0	465	3.4	0	0.0	465	3.4	11,382	84.5	0	0.0	13,473	100
Cotton	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
Tobacco	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
Pyrethrum	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
CASH CROPS	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
Total	99,650	51.9	14,402	7.5	0	0.0	28,106	14.6	1,858	1.0	2,555	1.3	45,296	23.6	0	0.0	191,867	100

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

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	10,685	58.2	232	1.3	0	0.0	7,433	40.5	0	0.0	0	0.0	0	0.0	0	0.0	18,351	100
Paddy	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
Sorghum	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
Wheat	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
CEREALS	10,685	58.2	232	1.3	0	0.0	7,433	40.5	0	0.0	0	0.0	0	0.0	0	0.0	18,351	100
Cassava	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
Sweet Potato	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
Irish potatoes	2,555	28.2	1,394	15.4	0	0.0	232	2.6	0	0.0	697	7.7	4,181	46.2	0	0.0	9,059	100
Yams	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
Coco Yam	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
ROOTS & TUBERS	2,555	28.2	1,394	15.4	0	0.0	232	2.6	0	0.0	697	7.7	4,181	46.2	0	0.0	9,059	100
Mung Bean	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
Beans	16,725	49.7	2,787	8.3	232	0.7	9,988	29.7	2,091	6.2	0	0.0	1,858	5.5	0	0.0	33,681	100
Cowpeas	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
Green gram	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
Chick peas	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
Bambaranuts	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
Field Peas	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
PULSES	16,725	49.3	2,787	8.2	232	0.7	9,988	29.5	2,091	6.2	0	0.0	2,091	6.2	0	0.0	33,914	100
Sunflower	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
Simsim	**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**
Groundnut	**232**	**100.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**232**	**100**
OIL SEEDS & OIL NUTS	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100

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

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	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	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	1,626	100.0	0	0.0	1,626	100
Onion	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
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
Cabbage	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,394	100.0	0	0.0	1,394	100
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,787	100.0	0	0.0	2,787	100
Spinach	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
Carrot	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
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	465	100.0	0	0.0	465	100
Amaranths	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
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6,736	100.0	0	0.0	6,736	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	30,197	44.2	4,413	6.5	232	0.3	17,654	25.9	2,091	3.1	697	1.0	13,008	19.0	0	0.0	68,292	100

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

	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	
Crop	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**	**Number**	**%**
Maize	12,504	62.7	562	2.8	0	0	3,231	16.2	421	2.1	140	0.7	3,091	15.5	0	0	19,949	100
Paddy	140	11.1	0	0	0	0	1,124	88.9	0	0	0	0	0	0	0	0	1,264	100
Sorghum	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	12,644	59.6	562	2.6	0	0	4,355	20.5	421	2	140	0.7	3,091	14.6	0	0	21,214	100
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mung Bean	140	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	100
Beans	702	31.3	0	0	0	0	1,264	56.3	0	0	0	0	281	12.5	0	0	2,248	100
Cowpeas	140	33.3	140	33.3	0	0	0	0	140	33.3	0	0	0	0	0	0	421	100
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	983	35	140	5	0	0	1,264	45	140	5	0	0	281	10	0	0	2,810	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	140	12.5	0	0	843	75	0	0	0	0	140	12.5	0	0	1,124	100
OIL SEEDS & OIL NUTS	0	0	140	12.5	0	0	843	75	0	0	0	0	140	12.5	0	0	1,124	100

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

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	281	100.0	0	0.0	281	100
Radish	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
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Onion	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
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	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
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	100.0	0	0.0	140	100
Spinach	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	100.0	0	0.0	140	100
Carrot	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
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	100.0	0	0.0	140	100
Amaranths	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
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	100.0	0	0.0	140	100
Water Mellon	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
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	843	100.0	0	0.0	843	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	13,627	52.4	843	3.2	0	0.0	6,462	24.9	562	2.2	140	0.5	4,355	16.8	0	0.0	25,990	100

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

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	21,495	43.0	3,653	7.3	281	0.6	19,387	38.8	281	0.6	281	0.6	4,496	9.0	140	0.3	50,014	100
Paddy	702	9.3	0	0.0	0	0.0	5,901	77.8	0	0.0	0	0.0	843	11.1	140	1.9	7,586	100
Sorghum	0	0.0	0	0.0	0	0.0	140	100.0	0	0.0	0	0.0	0	0.0	0	0.0	140	100
Wheat	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
CEREALS	22,197	38.4	3,653	6.3	281	0.5	25,429	44.0	281	0.5	281	0.5	5,339	9.2	281	0.5	57,741	100
Cassava	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
Sweet Potato	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	####	140	100
Irish potatoes	0	0.0	0	0.0	0	0.0	140	50.0	0	0.0	0	0.0	0	0.0	140	50.0	281	100
Yams	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
Coco Yam	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	####	0	0.0	0	0.0	140	100
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	140	25.0	0	0.0	140	25.0	0	0.0	281	50.0	562	100
Mung Bean	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
Beans	10,256	59.8	140	0.8	0	0.0	4,215	24.6	0	0.0	0	0.0	2,529	14.8	0	0.0	17,140	100
Cowpeas	0	0.0	0	0.0	0	0.0	421	75.0	0	0.0	0	0.0	140	25.0	0	0.0	562	100
Green gram	0	0.0	0	0.0	0	0.0	140	100.0	0	0.0	0	0.0	0	0.0	0	0.0	140	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	10,256	57.5	140	0.8	0	0.0	4,777	26.8	0	0.0	0	0.0	2,669	15.0	0	0.0	17,842	100
Sunflower	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
Simsim	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
Groundnut	281	14.3	0	0.0	0	0.0	1,264	64.3	0	0.0	0	0.0	421	21.4	0	0.0	1,967	100
OIL SEEDS & OIL NUTS	281	14.3	0	0.0	0	0.0	1,264	64.3	0	0.0	0	0.0	421	21.4	0	0.0	1,967	100

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

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	421	100.0	0	0.0	421	100
Radish	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	100.0	0	0.0	140	100
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	281	100.0	0	0.0	281	100
Onion	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
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	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
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	983	100.0	0	0.0	983	100
Spinach	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
Carrot	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
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	281	100.0	0	0.0	281	100
Amaranths	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
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2,107	100.0	0	0.0	2,107	100
Cotton	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
Tobacco	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
Pyrethrum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	281	100.0	0	0.0	281	100
CASH CROPS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	281	100.0	0	0.0	281	100
Total	32,734	40.7	3,793	4.7	281	0.3	31,610	39.3	281	0.3	421	0.5	10,818	13.4	562	0.7	80,500	100

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

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	20,116	69.9	309	1.1	309	1.1	5,674	19.7	0	0.0	206	0.7	2,166	7.5	0	0.0	28,781	100
Paddy	0	0.0	0	0.0	0	0.0	103	####	0	0.0	0	0.0	0	0.0	0	0.0	103	100
Sorghum	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
Wheat	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
CEREALS	20,116	69.6	309	1.1	309	1.1	5,777	20.0	0	0.0	206	0.7	2,166	7.5	0	0.0	28,884	100
Cassava	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
Sweet Potato	0	0.0	0	0.0	0	0.0	103	33.3	0	0.0	0	0.0	103	33.3	103	33.3	309	100
Irish potatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
Yams	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
Coco Yam	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	103	20.0	0	0.0	0	0.0	309	60.0	103	20.0	516	100
Mung Bean	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
Beans	2,579	53.2	0	0.0	0	0.0	928	19.1	0	0.0	0	0.0	1,238	25.5	103	2.1	4,848	100
Cowpeas	309	25.0	103	8.3	103	8.3	413	33.3	0	0.0	0	0.0	309	25.0	0	0.0	1,238	100
Green gram	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
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	2,888	47.5	103	1.7	103	1.7	1,341	22.0	0	0.0	0	0.0	1,547	25.4	103	1.7	6,086	100
Sunflower	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
Simsim	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
Groundnut	0	0.0	0	0.0	0	0.0	103	14.3	0	0.0	0	0.0	619	85.7	0	0.0	722	100
OIL SEEDS & OIL NUTS	0	0.0	0	0.0	0	0.0	103	14.3	0	0.0	0	0.0	619	85.7	0	0.0	722	100

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

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	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	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	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	0	0.0	0	0.0	0	0
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	309	100.0	0	0.0	309	100
Spinach	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
Carrot	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
Chillies	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
Amaranths	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	309	100.0	0	0.0	309	100
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	722	100.0	0	0.0	722	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	23,004	62.3	413	1.1	413	1.1	7,324	19.8	0	0.0	206	0.6	5,364	14.5	206	0.6	36,931	100

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

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	26,202	70.2	722	1.9	103	0.3	7,943	21.3	413	1.1	206	0.6	1,651	4.4	103	0.3	37,343	100
Paddy	825	32.0	0	0.0	0	0.0	1,444	56.0	0	0.0	103	4.0	103	4.0	103	4.0	2,579	100
Sorghum	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
Wheat	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
CEREALS	27,027	67.7	722	1.8	103	0.3	9,387	23.5	413	1.0	309	0.8	1,754	4.4	206	0.5	39,922	100
Cassava	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
Sweet Potato	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	206	100.0	0	0.0	206	100
Irish potatoes	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
Yams	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
Coco Yam	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	206	100.0	0	0.0	206	100
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	413	100.0	0	0.0	413	100
Mung Bean	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
Beans	3,714	55.4	103	1.5	0	0.0	1,547	23.1	0	0.0	0	0.0	1,341	20.0	0	0.0	6,705	100
Cowpeas	309	37.5	0	0.0	103	###	309	37.5	0	0.0	0	0.0	103	12.5	0	0.0	825	100
Green gram	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
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	4,023	53.4	103	1.4	103	1.4	1,857	24.7	0	0.0	0	0.0	1,444	19.2	0	0.0	7,531	100
Sunflower	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
Simsim	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
Groundnut	103	16.7	0	0.0	0	0.0	206	33.3	103	16.7	0	0.0	206	33.3	0	0.0	619	100
OIL SEEDS & OIL NUTS	103	16.7	0	0.0	0	0.0	206	33.3	103	16.7	0	0.0	206	33.3	0	0.0	619	100

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

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	103	100.0	0	0.0	103	100
Radish	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
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
Onion	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
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	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
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
Spinach	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
Carrot	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
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
Amaranths	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
Pumpkins	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	206	100.0	0	0.0	206	100
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	100.0	0	0.0	103	100
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	825	100.0	0	0.0	825	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	31,154	63.2	825	1.7	206	0.4	11,451	23.2	516	1.0	309	0.6	4,642	9.4	206	0.4	49,310	100

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

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	1,223	34.6	91	2.6	0	0.0	1,495	42.3	136	3.8	0	0.0	589	16.7	0	0.0	3,534	100
Paddy	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
Sorghum	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
Wheat	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
CEREALS	1,223	34.6	91	2.6	0	0.0	1,495	42.3	136	3.8	0	0.0	589	16.7	0	0.0	3,534	100
Cassava	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
Sweet Potato	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
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	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
Mung Bean	45	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100
Beans	0	0.0	0	0.0	0	0.0	45	####	0	0.0	0	0.0	0	0.0	0	0.0	45	100
Cowpeas	181	44.4	0	0.0	0	0.0	181	44.4	0	0.0	0	0.0	45	11.1	0	0.0	408	100
Green gram	45	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	272	50.0	0	0.0	0	0.0	227	41.7	0	0.0	0	0.0	45	8.3	0	0.0	544	100
Sunflower	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
Simsim	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100.0	0	0.0	45	100
Groundnut	0	0.0	0	0.0	0	0.0	45	50.0	0	0.0	0	0.0	45	50.0	0	0.0	91	100
OIL SEEDS & OIL NUTS	0	0.0	0	0.0	0	0.0	45	33.3	0	0.0	0	0.0	91	66.7	0	0.0	136	100

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

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	45	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	91	66.7	0	0.0	136	100
Radish	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
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Onion	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
Ginger	45	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100
Cabbage	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
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100.0	0	0.0	45	100
Spinach	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
Carrot	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
Chillies	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
Amaranths	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	136	100.0	0	0.0	136	100
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	91	25.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	272	75.0	0	0.0	362	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	1,586	34.7	91	2.0	0	0.0	1,767	38.6	136	3.0	0	0.0	997	21.8	0	0.0	4,576	100

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

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	4,032	44.1	181	2.0	0	0.0	3,941	43.1	589	6.4	45	0.5	362	4.0	0	0.0	9,151	100
Paddy	634	50.0	91	7.1	0	0.0	362	28.6	0	0.0	91	7.1	91	7.1	0	0.0	1,268	100
Sorghum	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
Wheat	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
CEREALS	4,666	44.8	272	2.6	0	0.0	4,304	41.3	589	5.7	136	1.3	453	4.3	0	0.0	10,419	100
Cassava	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
Sweet Potato	91	50.0	0	0.0	0	0.0	0	0.0	45	25.0	45	25.0	0	0.0	0	0.0	181	100
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	91	50.0	0	0.0	0	0.0	0	0.0	45	25.0	45	25.0	0	0.0	0	0.0	181	100
Mung Bean	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
Beans	45	33.3	0	0.0	0	0.0	91	66.7	0	0.0	0	0.0	0	0.0	0	0.0	136	100
Cowpeas	227	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	227	100
Green gram	45	16.7	45	16.7	0	0.0	136	50.0	0	0.0	0	0.0	45	16.7	0	0.0	272	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	317	50.0	45	7.1	0	0.0	227	35.7	0	0.0	0	0.0	45	7.1	0	0.0	634	100
Sunflower	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
Simsim	136	50.0	0	0.0	0	0.0	91	33.3	0	0.0	0	0.0	45	16.7	0	0.0	272	100
Groundnut	0	0.0	0	0.0	0	0.0	45	100.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100
OIL SEEDS & OIL NUTS	136	42.9	0	0.0	0	0.0	136	42.9	0	0.0	0	0.0	45	14.3	0	0.0	317	100

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

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	45	100.0	0	0.0	45	100
Radish	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
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Onion	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
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	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
Tomatoes	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
Spinach	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
Carrot	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
Chillies	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
Amaranths	0	0.0	0	0.0	0	0.0	45	25.0	0	0.0	0	0.0	136	75.0	0	0.0	181	100
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	45	20.0	0	0.0	0	0.0	181	80.0	0	0.0	227	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	5,210	44.2	317	2.7	0	0.0	4,711	40.0	634	5.4	181	1.5	725	6.2	0	0.0	11,779	100

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

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	3,244	53.0	36	0.6	0	0.0	1,859	30.4	0	0.0	73	1.2	911	14.9	0	0.0	6,123	100
Paddy	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
Sorghum	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
Wheat	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
CEREALS	3,244	53.0	36	0.6	0	0.0	1,859	30.4	0	0.0	73	1.2	911	14.9	0	0.0	6,123	100
Cassava	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	100.0	0	0.0	73	100
Sweet Potato	36	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	100
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	36	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	66.7	0	0.0	109	100
Mung Bean	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
Beans	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	182	100.0	0	0.0	182	100
Cowpeas	146	30.8	0	0.0	0	0.0	219	46.2	36	7.7	0	0.0	73	15.4	0	0.0	474	100
Green gram	73	28.6	0	0.0	0	0.0	73	28.6	0	0.0	0	0.0	109	42.9	0	0.0	255	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	219	24.0	0	0.0	0	0.0	292	32.0	36	4.0	0	0.0	364	40.0	0	0.0	911	100
Sunflower	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
Simsim	36	11.1	0	0.0	0	0.0	0	0.0	36	11.1	0	0.0	255	77.8	0	0.0	328	100
Groundnut	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	100.0	0	0.0	36	100
OIL SEEDS & OIL NUTS	36	10.0	0	0.0	0	0.0	0	0.0	36	10.0	0	0.0	292	80.0	0	0.0	364	100

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

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	219	100.0	0	0.0	219	100
Radish	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
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	100.0	0	0.0	73	100
Onion	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
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	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
Tomatoes	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
Spinach	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
Carrot	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
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	100.0	0	0.0	36	100
Amaranths	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
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	0	0.0	0	0.0	0	0.0	36	####	0	0.0	0	0.0	0	0.0	0	0.0	36	100
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	36	10.0	0	0.0	0	0.0	328	90.0	0	0.0	364	100
Cotton	**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**
Tobacco	**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**
Pyrethrum	**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**
CASH CROPS	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
Total	3,536	44.9	36	0.5	0	0.0	2,187	27.8	73	0.9	73	0.9	1,968	25.0	0	0.0	7,873	100

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

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	5,467	60.7	36	0.4	36	0.4	2,989	33.2	36	0.4	36	0.4	401	4.5	0	0.0	9,003	100
Paddy	109	25.0	0	0.0	0	0.0	292	66.7	0	0.0	0	0.0	36	8.3	0	0.0	437	100
Sorghum	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
Wheat	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
CEREALS	5,577	59.1	36	0.4	36	0.4	3,280	34.7	36	0.4	36	0.4	437	4.6	0	0.0	9,440	100
Cassava	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
Sweet Potato	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	109	100.0	0	0.0	109	100
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	109	100.0	0	0.0	109	100
Mung Bean	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
Beans	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	100.0	0	0.0	36	100
Cowpeas	255	43.8	0	0.0	0	0.0	73	12.5	0	0.0	0	0.0	255	43.8	0	0.0	583	100
Green gram	146	44.4	0	0.0	0	0.0	36	11.1	0	0.0	0	0.0	146	44.4	0	0.0	328	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	401	42.3	0	0.0	0	0.0	109	11.5	0	0.0	0	0.0	437	46.2	0	0.0	948	100
Sunflower	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
Simsim	292	28.6	36	3.6	36	3.6	73	7.1	0	0.0	0	0.0	583	57.1	0	0.0	1,021	100
Groundnut	0	0.0	36	50.0	0	0.0	0	0.0	0	0.0	0	0.0	36	50.0	0	0.0	73	100
OIL SEEDS & OIL NUTS	292	26.7	73	6.7	36	3.3	73	6.7	0	0.0	0	0.0	620	56.7	0	0.0	1,093	100

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

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	73	28.6	0	0.0	0	0.0	36	14.3	0	0.0	0	0.0	146	57.1	0	0.0	255	100
Radish	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
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	109	100.0	0	0.0	109	100
Onion	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
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	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
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	109	100.0	0	0.0	109	100
Spinach	36	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	100
Carrot	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
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	100.0	0	0.0	36	100
Amaranths	73	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	100
Pumpkins	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
Egg Plant	36	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	36	50.0	0	0.0	73	100
Water Mellon	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	100.0	0	0.0	73	100
FRUITS & VEGETABLES	219	28.6	0	0.0	0	0.0	36	4.8	0	0.0	0	0.0	510	66.7	0	0.0	765	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	6,488	52.5	109	0.9	73	0.6	3,499	28.3	36	0.3	36	0.3	2,114	17.1	0	0.0	12,356	100

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

Crop	In locally made traditional structure		In Improved locally made structure		In modern store		In Sacks/open drum		In airtight drum		Unprotected pile		Not stored		Other (Specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Maize	9,632	50.7	0	0.0	0	0.0	2,083	11.0	260	1.4	651	3.4	6,378	33.6	0	0.0	19,004	100
Paddy	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
Sorghum	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
Wheat	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
CEREALS	9,632	50.7	0	0.0	0	0.0	2,083	11.0	260	1.4	651	3.4	6,378	33.6	0	0.0	19,004	100
Cassava	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
Sweet Potato	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Mung Bean	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Beans	260	66.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	33.3	0	0.0	391	100
Cowpeas	6,118	45.6	0	0.0	0	0.0	2,734	20.4	781	5.8	0	0.0	3,775	28.2	0	0.0	13,407	100
Green gram	1,172	50.0	0	0.0	0	0.0	130	5.6	0	0.0	0	0.0	1,041	44.4	0	0.0	2,343	100
Chick peas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Bambaranuts	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
Field Peas	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
PULSES	7,550	46.0	0	0.0	0	0.0	2,864	17.5	781	4.8	0	0.0	5,207	31.7	0	0.0	16,401	100
Sunflower	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
Simsim	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,172	100.0	0	0.0	1,172	100
Groundnut	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
OIL SEEDS & OIL NUTS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1,172	100.0	0	0.0	1,172	100

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

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	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	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	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	0	0.0	0	0.0	0	0
Ginger	130	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100
Cabbage	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
Tomatoes	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
Spinach	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
Carrot	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
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Amaranths	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
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	130	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	50.0	0	0.0	260	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	17,312	46.8	0	0.0	0	0.0	4,946	13.4	1,041	2.8	651	1.8	13,017	35.2	0	0.0	36,967	100

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

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	32,542	66.7	1,692	3.5	0	0.0	7,550	15.5	1,041	2.1	3,645	7.5	2,343	4.8	0	0.0	48,813	100
Paddy	391	50.0	0	0.0	0	0.0	391	50.0	0	0.0	0	0.0	0	0.0	0	0.0	781	100
Sorghum	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
Wheat	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
CEREALS	32,932	66.4	1,692	3.4	0	0.0	7,940	16.0	1,041	2.1	3,645	7.3	2,343	4.7	0	0.0	49,594	100
Cassava	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
Sweet Potato	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Mung Bean	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
Beans	260	20.0	130	10.0	0	0.0	521	40.0	260	20.0	0	0.0	130	10.0	0	0.0	1,302	100
Cowpeas	1,953	55.6	0	0.0	130	3.7	391	11.1	0	0.0	0	0.0	1,041	29.6	0	0.0	3,515	100
Green gram	260	33.3	0	0.0	0	0.0	130	16.7	0	0.0	0	0.0	391	50.0	0	0.0	781	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	2,473	44.2	130	2.3	130	2.3	1,041	18.6	260	4.7	0	0.0	1,562	27.9	0	0.0	5,597	100
Sunflower	0	0.0	130	33.3	0	0.0	0	0.0	0	0.0	0	0.0	260	66.7	0	0.0	391	100
Simsim	521	13.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3,254	86.2	0	0.0	3,775	100
Groundnut	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
OIL SEEDS & OIL NUTS	521	12.5	130	3.1	0	0.0	0	0.0	0	0.0	0	0.0	3,515	84.4	0	0.0	4,165	100

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

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	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	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	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	0	0.0	0	0.0	0	0
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	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	0	0.0	0	0.0	0	0
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	260	100.0	0	0.0	260	100
Spinach	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
Carrot	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
Chillies	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
Amaranths	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
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	260	100.0	0	0.0	260	100
Cotton	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Tobacco	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
Pyrethrum	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
CASH CROPS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Total	35,926	60.0	1,953	3.3	130	0.2	8,982	15.0	1,302	2.2	3,645	6.1	7,940	13.3	0	0.0	59,877	100

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

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	5,873	27.1	839	3.9	0	0.0	12,500	57.8	0	0.0	168	0.8	2,265	10.5	0	0.0	21,645	100
Paddy	0	0.0	84	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100
Sorghum	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
Wheat	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
CEREALS	5,873	27.0	923	4.2	0	0.0	12,500	57.5	0	0.0	168	0.8	2,265	10.4	0	0.0	21,729	100
Cassava	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	168	100.0	0	0.0	168	100
Sweet Potato	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	100
Irish potatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	100
Yams	0	0.0	0	0.0	0	0.0	84	####	0	0.0	0	0.0	0	0.0	0	0.0	84	100
Coco Yam	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
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	84	20.0	0	0.0	0	0.0	336	80.0	0	0.0	419	100
Mung Bean	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
Beans	0	0.0	84	14.3	0	0.0	503	85.7	0	0.0	0	0.0	0	0.0	0	0.0	587	100
Cowpeas	503	31.6	84	5.3	0	0.0	503	31.6	0	0.0	0	0.0	503	31.6	0	0.0	1,594	100
Green gram	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
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	503	23.1	168	7.7	0	0.0	1,007	46.2	0	0.0	0	0.0	503	23.1	0	0.0	2,181	100
Sunflower	84	25.0	0	0.0	0	0.0	84	25.0	0	0.0	0	0.0	168	50.0	0	0.0	336	100
Simsim	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
Groundnut	0	0.0	84	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100
OIL SEEDS & OIL NUTS	84	20.0	84	20.0	0	0.0	84	20.0	0	0.0	0	0.0	168	40.0	0	0.0	419	100

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

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	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	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	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	84	100.0	0	0.0	84	100
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Cabbage	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	100
Tomatoes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	100
Spinach	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
Carrot	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
Chillies	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
Amaranths	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
Pumpkins	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
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Water Mellon	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
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	252	100.0	0	0.0	252	100
Cotton	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
Tobacco	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
Pyrethrum	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
CASH CROPS	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
Total	6,460	25.8	1,175	4.7	0	0.0	13,675	54.7	0	0.0	168	0.7	3,524	14.1	0	0.0	25,000	100

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

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	8,305	40.7	1,175	5.8	0	0.0	8,809	43.2	0	0.0	168	0.8	1,175	5.8	755	3.7	20,386	100
Paddy	252	60.0	84	20.0	0	0.0	84	20.0	0	0.0	0	0.0	0	0.0	0	0.0	419	100
Sorghum	0	0.0	0	0.0	0	0.0	168	####	0	0.0	0	0.0	0	0.0	0	0.0	168	100
Wheat	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
CEREALS	8,557	40.8	1,258	6.0	0	0.0	9,061	43.2	0	0.0	168	0.8	1,175	5.6	755	3.6	20,973	100
Cassava	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
Sweet Potato	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	100
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	100
Mung Bean	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
Beans	1,930	11.4	1,594	9.4	168	1.0	11,410	67.3	0	0.0	84	0.5	1,678	9.9	84	0.5	16,947	100
Cowpeas	503	54.5	0	0.0	0	0.0	84	9.1	0	0.0	0	0.0	252	27.3	84	9.1	923	100
Green gram	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	2,433	13.6	1,594	8.9	168	0.9	11,493	64.0	0	0.0	84	0.5	2,013	11.2	168	0.9	17,953	100
Sunflower	84	25.0	0	0.0	0	0.0	84	25.0	0	0.0	0	0.0	84	25.0	84	25.0	336	100
Simsim	0	0.0	84	50.0	0	0.0	0	0.0	0	0.0	0	0.0	84	50.0	0	0.0	168	100
Groundnut	84	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	50.0	0	0.0	168	100
OIL SEEDS & OIL NUTS	168	25.0	84	12.5	0	0.0	84	12.5	0	0.0	0	0.0	252	37.5	84	12.5	671	100

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

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	84	100.0	0	0.0	84	**100**
Radish	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**
Bitteer Aubergine	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	**100**
Onion	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	168	100.0	0	0.0	168	**100**
Ginger	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	**0**
Cabbage	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	**100**
Tomatoes	0	0.0	84	5.9	0	0.0	0	0.0	0	0.0	0	0.0	1,342	94.1	0	0.0	1,426	**100**
Spinach	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	168	100.0	0	0.0	168	**100**
Carrot	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**
Chillies	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	**100**
Amaranths	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	**100**
Pumpkins	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**
Egg Plant	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	84	**100**
Water Mellon	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**
FRUITS & VEGETABLES	0	0.0	84	3.7	0	0.0	0	0.0	0	0.0	0	0.0	2,181	96.3	0	0.0	2,265	100
Cotton	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**
Tobacco	84	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	**100**
Pyrethrum	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**
CASH CROPS	84	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100
Total	11,242	26.7	3,020	7.2	168	0.4	20,638	49.1	0	0.0	252	0.6	5,705	13.6	1,007	2.4	42,031	100

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

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	5,743	44.0	223	1.7	0	0.0	2,676	20.5	446	3.4	1,059	8.1	2,899	22.2	0	0.0	13,047	100
Paddy	56	50.0	0	0.0	0	0.0	56	50.0	0	0.0	0	0.0	0	0.0	0	0.0	112	100
Sorghum	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
Wheat	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
CEREALS	5,799	44.1	223	1.7	0	0.0	2,732	20.8	446	3.4	1,059	8.1	2,899	22.0	0	0.0	13,158	100
Cassava	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
Sweet Potato	56	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	50.0	0	0.0	112	100
Irish potatoes	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
Yams	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
Coco Yam	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
ROOTS & TUBERS	56	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	50.0	0	0.0	112	100
Mung Bean	56	50.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	50.0	0	0.0	112	100
Beans	279	23.8	56	4.8	56	4.8	56	4.8	167	14.3	0	0.0	558	47.6	0	0.0	1,171	100
Cowpeas	781	27.5	56	2.0	56	2.0	669	23.5	0	0.0	112	3.9	1,115	39.2	56	2.0	2,844	100
Green gram	279	20.0	0	0.0	56	4.0	335	24.0	112	8.0	0	0.0	613	44.0	0	0.0	1,394	100
Chick peas	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
Bambaranuts	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
Field Peas	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
PULSES	1,394	25.3	112	2.0	167	3.0	1,059	19.2	279	5.1	112	2.0	2,342	42.4	56	1.0	5,520	100
Sunflower	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
Simsim	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
Groundnut	112	13.3	0	0.0	0	0.0	279	33.3	0	0.0	0	0.0	446	53.3	0	0.0	836	100
OIL SEEDS & OIL NUTS	112	13.3	0	0.0	0	0.0	279	33.3	0	0.0	0	0.0	446	53.3	0	0.0	836	100

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

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**	**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**	**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**	**0**	**0.0**	**0**	**0.0**	**0**	**0**
Onion	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**50.0**	**56**	**50.0**	**0**	**0.0**	**112**	**100**
Ginger	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0**
Cabbage	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100.0**	**0**	**0.0**	**56**	**100**
Tomatoes	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**223**	**100.0**	**0**	**0.0**	**223**	**100**
Spinach	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**112**	**100.0**	**0**	**0.0**	**112**	**100**
Carrot	**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**
Chillies	**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**
Amaranths	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**223**	**100.0**	**0**	**0.0**	**223**	**100**
Pumpkins	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100.0**	**0**	**0.0**	**56**	**100**
Egg Plant	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0**
Water Mellon	**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**
FRUITS & VEGETABLES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	56	7.1	725	92.9	0	0.0	781	100
Cotton	**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**
Tobacco	**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**
Pyrethrum	**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**
CASH CROPS	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
Total	7,360	36.1	335	1.6	167	0.8	4,070	19.9	725	3.6	1,227	6.0	6,468	31.7	56	0.3	20,406	100

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

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	**2,788**	**44.6**	**56**	**0.9**	**56**	**0.9**	**836**	**13.4**	**223**	**3.6**	**1,004**	**16.1**	**1,282**	**20.5**	**0**	**0.0**	**6,245**	**100**
Paddy	**112**	**100.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**112**	**100**
Sorghum	**56**	**100.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100**
Wheat	**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**
CEREALS	2,955	46.1	56	0.9	56	0.9	836	13.0	223	3.5	1,004	15.7	1,282	20.0	0	0.0	6,412	100
Cassava	**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**
Sweet Potato	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**112**	**100.0**	**0**	**0.0**	**112**	**100**
Irish potatoes	**56**	**100.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100**
Yams	**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**
Coco Yam	**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**
ROOTS & TUBERS	56	33.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	112	66.7	0	0.0	167	100
Mung Bean	**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**
Beans	**167**	**18.8**	**0**	**0.0**	**0**	**0.0**	**279**	**31.3**	**112**	**12.5**	**0**	**0.0**	**223**	**25.0**	**112**	**12.5**	**892**	**100**
Cowpeas	**335**	**28.6**	**0**	**0.0**	**0**	**0.0**	**279**	**23.8**	**56**	**4.8**	**56**	**4.8**	**446**	**38.1**	**0**	**0.0**	**1,171**	**100**
Green gram	**390**	**36.8**	**56**	**5.3**	**0**	**0.0**	**56**	**5.3**	**0**	**0.0**	**0**	**0.0**	**558**	**52.6**	**0**	**0.0**	**1,059**	**100**
Chick peas	**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**
Bambaranuts	**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**
Field Peas	**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**
PULSES	892	28.6	56	1.8	0	0.0	613	19.6	167	5.4	56	1.8	1,227	39.3	112	3.6	3,122	100
Sunflower	**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**
Simsim	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**335**	**100.0**	**0**	**0.0**	**335**	**100**
Groundnut	**56**	**33.3**	**0**	**0.0**	**0**	**0.0**	**56**	**33.3**	**0**	**0.0**	**0**	**0.0**	**56**	**33.3**	**0**	**0.0**	**167**	**100**
OIL SEEDS & OIL NUTS	56	11.1	0	0.0	0	0.0	56	11.1	0	0.0	0	0.0	390	77.8	0	0.0	502	100

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

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	**56**	**33.3**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**112**	**66.7**	**0**	**0.0**	**167**	**100**
Radish	**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**
Bitteer Aubergine	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0**
Onion	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100**
Ginger	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0**
Cabbage	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**112**	**100.0**	**0**	**0.0**	**112**	**100**
Tomatoes	**56**	**12.5**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**12.5**	**335**	**75.0**	**0**	**0.0**	**446**	**100**
Spinach	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100.0**	**0**	**0.0**	**56**	**100**
Carrot	**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**
Chillies	**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**
Amaranths	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**50.0**	**56**	**50.0**	**0**	**0.0**	**112**	**100**
Pumpkins	**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**
Egg Plant	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100.0**	**0**	**0.0**	**56**	**100**
Water Mellon	**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**
FRUITS & VEGETABLES	112	11.1	0	0.0	0	0.0	0	0.0	0	0.0	167	16.7	725	72.2	0	0.0	1,004	100
Cotton	**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**
Tobacco	**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**
Pyrethrum	**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**
CASH CROPS	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
Total	4,070	36.3	112	1.0	56	0.5	1,505	13.4	390	3.5	1,227	10.9	3,736	33.3	112	1.0	11,207	100

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

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	110,831	57.5	7,868	4.1	309	0.2	43,920	22.8	1,264	0.7	2,530	1.3	25,965	13.5	0	0.0	192,686	100
Paddy	196	12.6	84	5.4	0	0.0	1,283	82.1	0	0.0	0	0.0	0	0.0	0	0.0	1,563	100
Sorghum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
Wheat	0	0.0	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
CEREALS	111,027	57.0	8,184	4.2	309	0.2	45,202	23.2	1,264	0.6	2,530	1.3	26,197	13.5	0	0.0	194,714	100
Cassava	232	32.9	0	0.0	0	0.0	232	32.9	0	0.0	0	0.0	241	34.1	0	0.0	705	100
Sweet Potato	1,950	42.2	232	5.0	0	0.0	103	2.2	0	0.0	0	0.0	2,231	48.3	103	2.2	4,620	100
Irish potatoes	7,201	26.8	2,555	9.5	0	0.0	0	0.0	0	0.0	1,858	6.9	15,286	56.8	0	0.0	26,900	100
Yams	0	0.0	0	0.0	0	0.0	84	100.0	0	0.0	0	0.0	0	0.0	0	0.0	84	100
Coco Yam	465	81.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	103	18.2	0	0.0	568	100
ROOTS & TUBERS	9,848	30.0	2,787	8.5	0	0.0	419	1.3	0	0.0	1,858	5.7	17,861	54.3	103	0.3	32,877	100
Mung Bean	474	53.1	232	26.0	0	0.0	0	0.0	0	0.0	0	0.0	186	20.8	0	0.0	892	100
Beans	39,360	55.1	5,018	7.0	56	0.1	14,644	20.5	2,026	2.8	0	0.0	10,287	14.4	103	0.1	71,492	100
Cowpeas	8,643	39.7	616	2.8	159	0.7	4,718	21.7	958	4.4	112	0.5	6,518	29.9	56	0.3	21,779	100
Green gram	1,568	38.8	0	0.0	56	1.4	538	13.3	112	2.8	0	0.0	1,764	43.7	0	0.0	4,037	100
Chick peas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	130	100.0	0	0.0	130	100
Bambaranuts	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
Field Peas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
PULSES	50,046	50.8	5,865	6.0	270	0.3	19,900	20.2	3,095	3.1	112	0.1	19,117	19.4	159	0.2	98,564	100
Sunflower	84	25.0	0	0.0	0	0.0	84	25.0	0	0.0	0	0.0	168	50.0	0	0.0	336	100
Simsim	36	2.4	0	0.0	0	0.0	0	0.0	36	2.4	0	0.0	1,472	95.3	0	0.0	1,545	100
Groundnut	112	2.6	224	5.2	0	0.0	2,432	56.7	0	0.0	0	0.0	1,520	35.4	0	0.0	4,287	100
OIL SEEDS & OIL NUTS	232	3.8	224	3.6	0	0.0	2,515	40.8	36	0.6	0	0.0	3,159	51.2	0	0.0	6,167	100

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

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	**278**	**32.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**590**	**68.0**	**0**	**0.0**	**868**	**100**
Radish	**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**
Bitteer Aubergine	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**1,002**	**100.0**	**0**	**0.0**	**1,002**	**100**
Onion	**232**	**17.1**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**4.1**	**1,069**	**78.8**	**0**	**0.0**	**1,357**	**100**
Ginger	**175**	**20.1**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**697**	**79.9**	**0**	**0.0**	**872**	**100**
Cabbage	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**232**	**7.9**	**0**	**0.0**	**232**	**7.9**	**2,462**	**84.1**	**0**	**0.0**	**2,927**	**100**
Tomatoes	**0**	**0.0**	**232**	**3.5**	**0**	**0.0**	**232**	**3.5**	**0**	**0.0**	**232**	**3.5**	**5,912**	**89.5**	**0**	**0.0**	**6,609**	**100**
Spinach	**232**	**39.5**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**355**	**60.5**	**0**	**0.0**	**587**	**100**
Carrot	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**232**	**100.0**	**0**	**0.0**	**232**	**100**
Chillies	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**1,469**	**100.0**	**0**	**0.0**	**1,469**	**100**
Amaranths	**232**	**25.8**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**668**	**74.2**	**0**	**0.0**	**901**	**100**
Pumpkins	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**100.0**	**0**	**0.0**	**56**	**100**
Egg Plant	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**140**	**100.0**	**0**	**0.0**	**140**	**100**
Water Mellon	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**36**	**100.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**36**	**100**
FRUITS & VEGETABLES	1,150	6.7	232	1.4	0	0.0	501	2.9	0	0.0	520	3.1	14,654	85.9	0	0.0	17,057	100
Cotton	**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**
Tobacco	**232**	**100.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**232**	**100**
Pyrethrum	**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**
CASH CROPS	232	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100
Total	172,535	49.4	17,293	4.9	580	0.2	68,538	19.6	4,395	1.3	5,020	1.4	80,988	23.2	262	0.1	349,611	100

5.18 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season - TANGA REGION

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	111,516	56.0	7,747	3.9	476	0.2	58,889	29.5	2,583	1.3	5,385	2.7	11,709	5.9	999	0.5	199,305	100
Paddy	3,025	22.9	174	1.3	0	0.0	8,473	64.3	0	0.0	194	1.5	1,073	8.1	244	1.8	13,183	100
Sorghum	56	15.3	0	0.0	0	0.0	308	84.7	0	0.0	0	0.0	0	0.0	0	0.0	364	100
Wheat	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
CEREALS	114,597	53.8	7,922	3.7	476	0.2	67,670	31.8	2,583	1.2	5,579	2.6	12,783	6.0	1,242	0.6	212,852	100
Cassava	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
Sweet Potato	91	9.4	0	0.0	0	0.0	0	0.0	45	4.7	45	4.7	641	66.6	140	14.6	963	100
Irish potatoes	2,611	27.8	1,394	14.8	0	0.0	373	4.0	0	0.0	697	7.4	4,181	44.5	140	1.5	9,396	100
Yams	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
Coco Yam	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	140	40.5	206	59.5	0	0.0	347	100
ROOTS & TUBERS	2,701	25.2	1,394	13.0	0	0.0	373	3.5	45	0.4	883	8.2	5,029	47.0	281	2.6	10,706	100
Mung Bean	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
Beans	33,096	43.1	4,755	6.2	400	0.5	28,050	36.5	2,462	3.2	84	0.1	7,796	10.1	195	0.3	76,839	100
Cowpeas	3,582	45.9	0	0.0	233	3.0	1,557	19.9	56	0.7	56	0.7	2,238	28.7	84	1.1	7,805	100
Green gram	842	31.6	101	3.8	0	0.0	499	18.7	0	0.0	0	0.0	1,223	45.9	0	0.0	2,665	100
Chick peas	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
Bambaranuts	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	232	100.0	0	0.0	232	100
Field Peas	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
PULSES	37,520	42.9	4,856	5.5	633	0.7	30,106	34.4	2,518	2.9	140	0.2	11,489	13.1	279	0.3	87,541	100
Sunflower	84	11.6	130	17.9	0	0.0	84	11.6	0	0.0	0	0.0	344	47.4	84	11.6	726	100
Simsim	948	17.0	120	2.2	36	0.7	164	2.9	0	0.0	0	0.0	4,301	77.2	0	0.0	5,570	100
Groundnut	756	23.1	36	1.1	0	0.0	1,572	48.0	103	3.2	0	0.0	804	24.6	0	0.0	3,271	100
OIL SEEDS & OIL NUTS	1,788	18.7	287	3.0	36	0.4	1,819	19.0	103	1.1	0	0.0	5,449	57.0	84	0.9	9,567	100

...Cont. 5.18 CROP STORAGE: Number of households storing Crops by Method of Storage and Crop Type Long Rainy Season - TANGA REGION

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	**129**	**12.0**	**0**	**0.0**	**0**	**0.0**	**36**	**3.4**	**0**	**0.0**	**0**	**0.0**	**911**	**84.7**	**0**	**0.0**	**1,076**	**100**
Radish	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**140**	**100.0**	**0**	**0.0**	**140**	**100**
Bitteer Aubergine	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**2,203**	**100.0**	**0**	**0.0**	**2,203**	**100**
Onion	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**24.9**	**168**	**75.1**	**0**	**0.0**	**224**	**100**
Ginger	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**232**	**100.0**	**0**	**0.0**	**232**	**100**
Cabbage	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**1,589**	**100.0**	**0**	**0.0**	**1,589**	**100**
Tomatoes	**56**	**0.9**	**84**	**1.4**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**56**	**0.9**	**5,921**	**96.8**	**0**	**0.0**	**6,116**	**100**
Spinach	**36**	**6.1**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**559**	**93.9**	**0**	**0.0**	**595**	**100**
Carrot	**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**
Chillies	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**969**	**100.0**	**0**	**0.0**	**969**	**100**
Amaranths	**73**	**16.2**	**0**	**0.0**	**0**	**0.0**	**45**	**10.1**	**0**	**0.0**	**56**	**12.4**	**276**	**61.3**	**0**	**0.0**	**450**	**100**
Pumpkins	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**206**	**100.0**	**0**	**0.0**	**206**	**100**
Egg Plant	**36**	**17.1**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**176**	**82.9**	**0**	**0.0**	**213**	**100**
Water Mellon	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**176**	**100.0**	**0**	**0.0**	**176**	**100**
FRUITS & VEGETABLES	330	2.3	84	0.6	0	0.0	82	0.6	0	0.0	167	1.2	13,527	95.3	0	0.0	14,190	100
Cotton	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**130**	**100.0**	**0**	**0.0**	**130**	**100**
Tobacco	**84**	**100.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**84**	**100**
Pyrethrum	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**281**	**100.0**	**0**	**0.0**	**281**	**100**
CASH CROPS	84	16.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	411	83.1	0	0.0	495	100
Total	157,020	46.8	14,543	4.3	1,146	0.3	100,050	29.8	5,250	1.6	6,768	2.0	48,687	14.5	1,887	0.6	335,351	100

INPUT USE

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

District	Organic Fertlizer Use						% of Planted area using Organic Fertlizer
	Number of Households using Organic Fertlizer	Planted Area Applied with Organic Fertlizer	Number of Households NOT using Organic Fertlizer	Planted Area NOT Applied with Organic Fertlizer	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Lushoto	10,685	4,250	73,402	64,027	84,087	68,278	6.2
Korogwe	983	341	20,511	13,125	21,495	13,466	2.5
Muheza	2,373	1,341	27,234	21,465	29,606	22,805	5.9
Tanga	362	199	3,488	2,421	3,851	2,620	7.6
Pangani	73	106	6,233	4,706	6,306	4,813	2.2
Handeni	0	.	26,554	26,475	26,554	26,475	-
Kilindi	84	34	21,812	28,951	21,896	28,984	0.1
Mkinga	335	187	13,325	10,898	13,660	11,086	1.7
Total	14,895	6,459	192,560	172,069	207,455	178,527	3.6

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

District	Organic Fertlizer Use						% of Planted area using Organic Fertlizer
	Number of Households using Organic Fertlizer	Planted Area Applied with Organic Fertlizer	Number of Households NOT using Organic Fertlizer	Planted Area NOT Applied with Organic Fertlizer	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Lushoto	3,484	1,166	36,933	26,983	40,418	28,149	4.1
Korogwe	1,686	1,190	52,964	55,155	54,650	56,346	2.1
Muheza	2,063	1,248	36,827	31,789	38,891	33,037	3.8
Tanga	1,178	523	9,287	6,107	10,465	6,631	7.9
Pangani	146	167	9,586	7,723	9,732	7,890	2.1
Handeni	0	.	49,463	69,864	49,463	69,864	-
Kilindi	419	323	27,265	49,757	27,685	50,080	0.6
Mkinga	223	62	6,635	6,141	6,858	6,203	1.0
Total	9,199	4,679	228,962	253,519	238,161	258,198	1.8

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

District	Inorganic Fertilizer Use						% of Planted area using Inorganic Fertilizer
	Number of Households using Inorganic Fertilizer	Planted Area Applied with Inorganic Fertilizer	Number of Households NOT using Inorganic Fertilizer	Planted Area NOT Applied with Inorganic Fertilizer	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Lushoto	84,087	1,984	0	66,293	84,087	68,278	2.9
Korogwe	21,495	611	0	12,855	21,495	13,466	4.5
Muheza	29,606	114	0	22,691	29,606	22,805	0.5
Tanga	3,851	0	0	2,620	3,851	2,620	0.0
Pangani	6,306	0	0	4,813	6,306	4,813	0.0
Handeni	26,554	0	0	26,475	26,554	26,475	0.0
Kilindi	21,896	0	0	28,984	21,896	28,984	0.0
Mkinga	13,660	0	0	11,086	13,660	11,086	0.0
Total	207,455	2,710	0	175,817	207,455	178,527	1.5

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

District	Inorganic Fertilizer Fertlizer Use						% of Planted area using Inorganic Fertilizer
	Number of Households using Inorganic Fertilizer	Planted Area Applied with Inorganic Fertilizer	Number of Households NOT using Inorganic Fertilizer	Planted Area NOT Applied with Inorganic Fertilizer	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Lushoto	40,418	592	0	27,556	40,418	28,149	2.1
Korogwe	54,650	1,507	0	54,838	54,650	56,346	2.7
Muheza	38,891	31	0	33,006	38,891	33,037	0.1
Tanga	10,465	28	0	6,603	10,465	6,631	0.4
Pangani	9,732	0	0	7,890	9,732	7,890	0.0
Handeni	49,463	0	0	69,864	49,463	69,864	0.0
Kilindi	27,685	0	0	50,080	27,685	50,080	0.0
Mkinga	6,858	0	0	6,203	6,858	6,203	0.0
Total	238,161	2,159	0	256,040	238,161	258,198	0.8

5.28: 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	
Lushoto	6,039	1,417	78,048	66,861	84,087	68,278	2.1
Korogwe	140	28	21,354	13,438	21,495	13,466	0.2
Muheza	206	68	29,400	22,737	29,606	22,805	0.3
Tanga	0	.	3,851	2,620	3,851	2,620	-
Pangani	0	.	6,306	4,813	6,306	4,813	-
Handeni	0	.	26,554	26,475	26,554	26,475	-
Kilindi	0	.	21,896	28,984	21,896	28,984	-
Mkinga	279	152	13,381	10,934	13,660	11,086	1.4
Total	6,665	1,665	200,790	176,862	207,455	178,527	0.9

5.29: 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	
Lushoto	3,484	571	36,933	27,577	40,418	28,149	2.0
Korogwe	562	176	54,088	56,169	54,650	56,346	0.3
Muheza	103	31	38,787	33,006	38,891	33,037	0.1
Tanga	45	18	10,419	6,612	10,465	6,631	0.3
Pangani	36	15	9,695	7,876	9,732	7,890	0.2
Handeni	260	237	49,203	69,627	49,463	69,864	0.3
Kilindi	1,091	348	26,594	49,731	27,685	50,080	0.7
Mkinga	112	14	6,746	6,189	6,858	6,203	0.2
Total	5,694	1,411	232,468	256,787	238,161	258,198	0.5

5.30 : 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	
Lushoto	1,161	238	82,926	68,040	84,087	68,278	0.3
Korogwe	281	270	21,214	13,196	21,495	13,466	2.0
Muheza	206	62	29,400	22,743	29,606	22,805	0.3
Tanga	0	.	3,851	2,620	3,851	2,620	-
Pangani	36	7	6,269	4,805	6,306	4,813	0.2
Handeni	0	.	26,554	26,475	26,554	26,475	-
Kilindi	0	.	21,896	28,984	21,896	28,984	-
Mkinga	112	40	13,549	11,045	13,660	11,086	0.4
Total	1,797	618	205,658	177,909	207,455	178,527	0.3

5.31: 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	
Lushoto	465	141	39,953	28,008	40,418	28,149	0.5
Korogwe	421	119	54,229	56,226	54,650	56,346	0.2
Muheza	206	104	38,684	32,933	38,891	33,037	0.3
Tanga	0	.	10,465	6,631	10,465	6,631	-
Pangani	0	.	9,732	7,890	9,732	7,890	-
Handeni	0	.	49,463	69,864	49,463	69,864	-
Kilindi	1,258	577	26,427	49,502	27,685	50,080	1.2
Mkinga	56	45	6,802	6,157	6,858	6,203	0.7
Total	2,407	987	235,755	257,211	238,161	258,198	0.4

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

District	Improved Seed						% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Lushoto	13,240	5,941	70,847	62,337	84,087	68,278	8.7
Korogwe	2,950	1,408	18,545	12,059	21,495	13,466	10.5
Muheza	2,992	1,671	26,615	21,134	29,606	22,805	7.3
Tanga	997	768	2,854	1,852	3,851	2,620	29.3
Pangani	1,093	923	5,212	3,890	6,306	4,813	19.2
Handeni	911	1,046	25,643	25,429	26,554	26,475	3.9
Kilindi	923	1,698	20,973	27,286	21,896	28,984	5.9
Mkinga	1,338	838	12,322	10,248	13,660	11,086	7.6
Total	24,444	14,293	183,011	164,235	207,455	178,527	8.0

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

District	Improved Seed						% of area planted using improved seed
	Number of Households using Improved Seed	Planted Area Improved Seed Used	Number of Households NOT using Improved Seeds	Planted Area Improved Seed not Used	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Lushoto	5,807	1,641	34,610	26,508	40,418	28,149	5.8
Korogwe	11,099	10,086	43,552	46,259	54,650	56,346	17.9
Muheza	3,817	2,353	35,074	30,684	38,891	33,037	7.1
Tanga	2,899	1,336	7,565	5,295	10,465	6,631	20.2
Pangani	2,041	1,663	7,691	6,227	9,732	7,890	21.1
Handeni	3,384	4,107	46,079	65,757	49,463	69,864	5.9
Kilindi	2,181	1,798	25,504	48,282	27,685	50,080	3.6
Mkinga	1,227	1,033	5,631	5,169	6,858	6,203	16.7
Total	32,455	24,017	205,706	234,181	238,161	258,198	9.3

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

District	Using Local seed		Not using Local seed		TOTAL		% of Planted Area Using Local seeds
	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	Number of Households	Planted Area (ha)	
Lushoto	80,835	61,974	3,252	6,304	84,087	68,278	90.8
Korogwe	18,826	11,356	2,669	2,111	21,495	13,466	84.3
Muheza	27,440	20,060	2,166	2,745	29,606	22,805	88.0
Tanga	3,035	1,816	815	804	3,851	2,620	69.3
Pangani	5,467	3,365	838	1,447	6,306	4,813	69.9
Handeni	25,773	25,185	781	1,290	26,554	26,475	95.1
Kilindi	20,973	27,073	923	1,911	21,896	28,984	93.4
Mkinga	12,656	9,778	1,004	1,308	13,660	11,086	88.2
Total	195,006	160,608	12,449	17,920	207,455	178,527	90.0

5.35 ANNUAL CROP AND VEGETABLE PRODUCTION: Number of crop Growing Households and Planted 1Area (hectare) by Local Seed Use and District; 2007/08 Agriculture Year - LONG Rainy Season

District	Using Local seed		Not using Local seed		TOTAL		% of Planted Area Using Local seeds
Planted Area (ha)	Number of Households			Planted Area (ha)	Number of Households	Planted Area (ha)	
Lushoto	39,721	26,110	697	2,039	40,418	28,149	93
Korogwe	49,031	45,286	5,620	11,060	54,650	56,346	80
Muheza	36,002	30,269	2,888	2,768	38,891	33,037	92
Tanga	8,018	5,065	2,446	1,565	10,465	6,631	76
Pangani	8,165	5,334	1,567	2,557	9,732	7,890	68
Handeni	47,641	65,536	1,822	4,327	49,463	69,864	94
Kilindi	27,014	47,345	671	2,735	27,685	50,080	95
Mkinga	5,910	4,986	948	1,216	6,858	6,203	80
Total	221,501	229,931	16,660	28,267	238,161	258,198	89

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

Districts	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	
Lushoto	4,646	1,136	79,441	67,142	84,087	68,278	1.7
Korogwe	281	114	21,214	13,353	21,495	13,466	0.8
Muheza	309	83	29,297	22,722	29,606	22,805	0.4
Tanga	0	.	3,851	2,620	3,851	2,620	-
Pangani	146	167	6,160	4,645	6,306	4,813	3.5
Handeni	260	132	26,294	26,343	26,554	26,475	0.5
Kilindi	0	.	21,896	28,984	21,896	28,984	-
Mkinga	167	158	13,493	10,928	13,660	11,086	1.4
Total	5,810	1,790	201,645	176,737	207,455	178,527	1.0

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

Districts	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	
Lushoto	3,949	731	36,469	27,418	40,418	28,149	2.6
Korogwe	421	114	54,229	56,232	54,650	56,346	0.2
Muheza	722	257	38,168	32,780	38,891	33,037	0.8
Tanga	0	.	10,465	6,631	10,465	6,631	-
Pangani	255	239	9,477	7,651	9,732	7,890	3.0
Handeni	0	.	49,463	69,864	49,463	69,864	-
Kilindi	252	272	27,433	49,808	27,685	50,080	0.5
Mkinga	167	62	6,691	6,141	6,858	6,203	1.0
Total	5,767	1,675	232,395	256,524	238,161	258,198	0.6

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

District	Irrigation use						% of area planted under irrigation in Short rainy season
	Number of Households using Irrigation	Planted Area with Irrigation	Number of Households NOT using Irrigation	Planted Area with no Irrigation	Total Number of Households Planting in VULI	Total Planted Area in VULI	
Lushoto	8,362	2,748	75,725	65,530	84,087	68,278	4.0
Korogwe	1,967	853	19,528	12,613	21,495	13,466	6.3
Muheza	722	179	28,884	22,626	29,606	22,805	0.8
Tanga	91	28	3,760	2,592	3,851	2,620	1.1
Pangani	36	15	6,269	4,798	6,306	4,813	0.3
Handeni	0	.	26,554	26,475	26,554	26,475	-
Kilindi	252	136	21,645	28,849	21,896	28,984	0.5
Mkinga	390	109	13,270	10,977	13,660	11,086	1.0
Total	11,820	4,068	195,635	174,459	207,455	178,527	2.3

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

District	Irrigation use						% of area planted under irrigation in long rainy season
	Number of Households using Irrigation	Planted Area with Irrigation	Number of Households NOT using Irrigation	Planted Area with no Irrigation	Total Number of Households Planting in MASIKA	Total Planted Area in MASIKA	
Lushoto	5,575	1,429	34,843	26,719	40,418	28,149	5.1
Korogwe	4,917	2,946	49,733	53,400	54,650	56,346	5.2
Muheza	413	112	38,478	32,925	38,891	33,037	0.3
Tanga	362	103	10,102	6,528	10,465	6,631	1.6
Pangani	36	15	9,695	7,876	9,732	7,890	0.2
Handeni	0	.	49,463	69,864	49,463	69,864	-
Kilindi	1,342	624	26,343	49,455	27,685	50,080	1.2
Mkinga	446	142	6,412	6,060	6,858	6,203	2.3
Total	13,092	5,371	225,069	252,827	238,161	258,198	2.1

MARKETING

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

	SHORT RAINY SEASON						LONG RAINY SEASON				
District	**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**
Lushoto	71,776	85	12,311	15	84,087		37,166	92	3,252	8	40,418
Korogwe	13,487	63	8,008	37	21,495		39,618	72	15,032	28	54,650
Muheza	13,617	46	15,989	54	29,606		25,789	66	13,101	34	38,891
Tanga	1,133	29	2,718	71	3,851		4,394	42	6,070	58	10,465
Pangani	2,807	45	3,499	55	6,306		6,196	64	3,536	36	9,732
Handeni	13,798	52	12,756	48	26,554		34,885	71	14,579	29	49,463
Kilindi	10,990	50	10,906	50	21,896		24,329	88	3,356	12	27,685
Mkinga	7,583	56	6,077	44	13,660		4,293	63	2,565	37	6,858
Total	135,189	65	72,266	35	207,455		176,671	74	61,491	26	238,161

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - LUSHOTO, 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	34,146	4,878	2,323	232	1,394	0	929	0	0	929	1,626	232	33,914
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	0	0	0	0	0	0	0	0	0	0	232	0	0
Wheat	0	0	0	0	0	0	0	0	0	0	0	0	232
CEREALS	34,146	4,878	2,323	232	1,394	0	929	0	0	929	1,858	232	34,146
Cassava	465	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	1,858	0	697	0	0	0	0	0	0	0	0	0	1,394
Irish potatoes	15,563	232	929	232	929	0	0	0	0	2,555	697	0	5,575
Yams	0	0	0	0	0	0	0	0	0	0	0	0	0
Coco Yam	232	232	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	18,118	465	1,626	232	929	0	0	0	0	2,555	697	0	6,969
Mung Bean	465	0	0	0	0	0	0	0	0	0	0	0	0
Beans	35,772	3,020	1,394	0	1,626	0	929	0	232	1,161	4,413	0	13,473
Cowpeas	697	0	0	0	0	0	232	0	0	0	0	0	465
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	232	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	37,166	3,020	1,394	0	1,626	0	1,161	0	232	1,161	4,413	0	13,937
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	465	929	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	465	929	0	0	0	0	0	0	0	0	0	0	0

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - LUSHOTO, 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
Okra	232	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
Bitteer Aubergine	697	0	0	0	0	0	0	0	0	0	0	0	232
Onion	929	0	0	0	232	0	0	0	0	0	0	0	0
Ginger	232	232	232	0	0	0	0	0	0	0	0	0	0
Cabbage	1,626	0	232	0	697	0	0	0	0	0	232	0	0
Tomatoes	3,484	0	929	0	232	0	0	0	0	232	465	0	465
Spinach	0	0	0	0	0	0	0	0	0	0	0	0	232
Carrot	232	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	1,161	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	232	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	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
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	8,827	232	1,394	0	1,161	0	0	0	0	232	697	0	929
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	232	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	232	0	0	0	0	0	0	0	0	0	0	0	0
Total	98,953	9,524	6,736	465	5,110	0	2,091	0	232	4,878	7,665	232	55,981

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - LUSHOTO, 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	8,595	3,484	0	0	232	0	0	0	0	0	232	0	5,807
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	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
CEREALS	8,595	3,484	0	0	232	0	0	0	0	0	232	0	5,807
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	5,343	0	697	0	697	0	0	0	0	232	929	0	1,161
Yams	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
ROOTS & TUBERS	5,343	0	697	0	697	0	0	0	0	232	929	0	1,161
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	17,421	2,555	1,626	0	929	0	0	0	232	232	6,969	0	3,717
Cowpeas	0	0	0	0	0	0	0	0	0	0	0	0	0
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	232	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	17,421	2,555	1,858	0	929	0	0	0	232	232	6,969	0	3,717
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	232	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	232	0	0	0	0	0	0	0	0	0	0	0	0

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - LUSHOTO, 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
Okra	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
Bitteer Aubergine	1,161	0	0	0	0	0	0	232	0	0	232	0	0
Onion	0	0	0	0	0	0	0	0	0	0	0	0	0
Ginger	232	0	0	0	0	0	0	0	0	0	0	0	0
Cabbage	929	0	0	0	0	0	0	0	0	232	232	0	0
Tomatoes	2,091	232	232	0	232	0	0	0	0	0	0	0	0
Spinach	232	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	465	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	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
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	5,110	232	232	0	232	0	0	232	0	232	465	0	0
Cotton	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tobacco	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pyrethrum	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	36,701	6,272	2,787	0	2,091	0	0	232	232	697	8,595	0	10,685

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - KOROGWE, 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	8,008	140	0	0	140	0	0	0	140	281	562	0	10,677
Paddy	1,124	140	0	0	0	0	0	0	0	0	0	0	0
Sorghum	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
CEREALS	9,132	281	0	0	140	0	0	0	140	281	562	0	10,677
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	0	0	0	0	0	0	0	0	0	0	0	0	0
Mung Bean	140	0	0	0	0	0	0	0	0	0	0	0	0
Beans	2,107	0	0	0	0	0	0	0	0	0	140	0	0
Cowpeas	140	0	0	0	0	0	0	0	0	0	140	0	140
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	2,388	0	0	0	0	0	0	0	0	0	281	0	140
Sunflower	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Simsim	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Groundnut	**702**	**140**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**140**	**0**	**140**
OIL SEEDS & OIL NUTS	702	140	0	0	0	0	0	0	0	0	140	0	140

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - KOROGWE, 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
Okra	140	140	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
Bitteer Aubergine	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	0	0	0	0	140	0	0	0	0	0	0	0	0
Spinach	0	0	140	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	0	0	0	0	0	0	140	0	0	0	0	0	0
Amaranths	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	140	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
FRUITS & VEGETABLES	281	140	140	0	140	0	140	0	0	0	0	0	0
Cotton	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tobacco	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pyrethrum	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	12,504	562	140	0	281	0	140	0	140	281	983	0	10,958

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - KOROGWE, 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	16,718	281	421	0	562	140	140	0	0	281	6,322	140	25,007
Paddy	3,653	140	0	0	0	0	0	0	0	140	2,388	0	1,264
Sorghum	140	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
CEREALS	20,511	421	421	0	562	140	140	0	0	421	8,710	140	26,271
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	140	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	0	0	0	0	0	0	0	0	0	0	281	0	0
Yams	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	140	0	0
ROOTS & TUBERS	140	0	0	0	0	0	0	0	0	0	421	0	0
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	10,396	140	0	0	421	0	0	0	0	1,826	3,793	0	562
Cowpeas	140	0	0	0	140	0	0	0	0	0	0	0	281
Green gram	140	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	10,677	140	0	0	562	0	0	0	0	1,826	3,793	0	843
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	1,545	0	0	0	0	0	0	0	0	0	140	0	281
OIL SEEDS & OIL NUTS	1,545	0	0	0	0	0	0	0	0	0	140	0	281

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - KOROGWE, 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
Okra	281	0	0	0	0	0	0	0	0	0	140	0	0
Radish	0	0	0	0	0	0	0	0	0	0	140	0	0
Bitteer Aubergine	281	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	562	0	0	0	140	0	0	0	0	0	0	0	281
Spinach	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
Chillies	281	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	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
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	1,405	0	0	0	140	0	0	0	0	0	281	0	281
Cotton	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tobacco	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pyrethrum	**140**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**140**
CASH CROPS	140	0	0	0	0	0	0	0	0	0	0	0	140
Total	34,420	562	421	0	1,264	140	140	0	0	2,248	13,346	140	27,817

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MUHEZA, 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	7,634	1,444	722	103	103	0	103	0	0	206	619	0	17,846
Paddy	103	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	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
CEREALS	7,737	1,444	722	103	103	0	103	0	0	206	619	0	17,846
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	0	0	0	0	0	0	0	0	0	103	0	206
Irish potatoes	103	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
Coco Yam	103	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	206	0	0	0	0	0	0	0	0	0	103	0	206
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	1,651	206	206	206	309	0	0	0	0	103	103	0	2,063
Cowpeas	516	0	0	0	0	0	0	0	0	0	103	0	619
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	2,166	206	206	206	309	0	0	0	0	103	206	0	2,682
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	206	103	0	0	103	0	0	0	0	0	103	0	206
OIL SEEDS & OIL NUTS	206	103	0	0	103	0	0	0	0	0	103	0	206

…cont .5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MUHEZA, 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
Okra	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
Bitteer Aubergine	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	309	0	0	0	0	0	0	0	0	0	0	0	0
Spinach	103	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	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	206	0	0	103	0	0	0	0	0	0	0	0	0
Pumpkins	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
Water Mellon	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FRUITS & VEGETABLES	619	0	0	103	0	0	0	0	0	0	0	0	0
Cotton	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tobacco	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pyrethrum	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10,935	1,754	928	413	516	0	103	0	0	309	1,032	0	20,941

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MUHEZA, 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	14,029	1,547	1,135	0	516	103	0	0	206	619	2,269	103	16,815
Paddy	1,444	206	103	0	0	0	0	0	0	0	206	0	619
Sorghum	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
CEREALS	15,474	1,754	1,238	0	516	103	0	0	206	619	2,476	103	17,434
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	206	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	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
Coco Yam	103	0	0	0	0	0	0	0	0	0	0	0	103
ROOTS & TUBERS	309	0	0	0	0	0	0	0	0	0	0	0	103
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	3,817	413	413	0	206	0	0	0	0	0	206	0	1,651
Cowpeas	309	103	0	0	0	0	0	0	0	0	0	0	413
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	4,126	516	413	0	206	0	0	0	0	0	206	0	2,063
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	413	103	0	0	0	0	0	0	0	0	0	0	103
OIL SEEDS & OIL NUTS	413	103	0	0	0	0	0	0	0	0	0	0	103

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MUHEZA, 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
Okra	103	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
Bitteer Aubergine	0	0	103	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	103	0	0	0	0	0	0	0	0	0	0	0	0
Spinach	103	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	103	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	206	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
Water Mellon	103	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	722	0	103	0	0	0	0	0	0	0	0	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	21,044	2,373	1,754	0	722	103	0	0	206	619	2,682	103	19,703

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - TANGA, 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	634	0	0	0	91	0	0	0	0	0	91	0	2,718
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	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
CEREALS	634	0	0	0	91	0	0	0	0	0	91	0	2,718
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	0	0	0	0	0	0	0	0	0	0	0	0	0
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	45
Beans	45	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	0	0	0	0	0	0	0	0	0	0	45	0	362
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	45
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	45	0	0	0	0	0	0	0	0	0	45	0	453
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	45	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	91	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	136	0	0	0	0	0	0	0	0	0	0	0	0

…cont Table.5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - TANGA, 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
Okra	45	0	0	0	0	0	0	0	0	0	45	0	45
Radish	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
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	45
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	45	0	0	0	0	0	0	0	0	0	0	0	0
Spinach	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
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	136	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	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
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	227	0	0	0	0	0	0	0	0	0	45	0	91
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,042	0	0	0	91	0	0	0	0	0	181	0	3,262

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - TANGA, 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	3,126	91	45	0	272	0	0	0	0	45	181	0	5,391
Paddy	272	0	0	0	0	0	0	0	0	0	0	0	997
Sorghum	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
CEREALS	3,398	91	45	0	272	0	0	0	0	45	181	0	6,388
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	0	0	0	0	0	0	0	0	0	91	0	91
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	0	0	0	0	0	0	0	0	0	0	91	0	91
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	91	0	0	0	0	0	0	0	0	0	0	0	45
Cowpeas	0	0	0	0	0	0	0	0	0	0	0	0	227
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	272
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	91	0	0	0	0	0	0	0	0	0	0	0	544
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	181	0	0	0	91	0	0	0	0	0	0	0	0
Groundnut	45	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	227	0	0	0	91	0	0	0	0	0	0	0	0

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - TANGA, 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
Okra	0	0	0	0	0	0	0	0	0	0	45	0	0
Radish	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
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
Cabbage	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	0
Spinach	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
Chillies	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	91	0	0	0	0	0	0	0	0	0	45	0	45
Pumpkins	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
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	91	0	0	0	0	0	0	0	0	0	91	0	45
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3,805	91	45	0	362	0	0	0	0	45	362	0	7,067

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - PANGANI, 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	1,859	0	73	0	0	0	0	0	0	36	364	0	3,791
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	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
CEREALS	1,859	0	73	0	0	0	0	0	0	36	364	0	3,791
Cassava	0	0	0	0	0	0	0	0	0	0	36	0	36
Sweet Potato	0	0	0	0	0	0	0	0	0	0	0	0	36
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	0	0	0	0	0	0	0	0	0	0	36	0	73
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	109	0	0	0	0	0	0	0	0	0	36	0	36
Cowpeas	255	0	36	0	36	0	0	0	0	0	36	0	109
Green gram	182	0	36	0	0	0	0	0	0	0	0	0	36
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	547	0	73	0	36	0	0	0	0	0	73	0	182
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	219	0	0	0	73	0	0	0	0	0	36	0	0
Groundnut	36	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	255	0	0	0	73	0	0	0	0	0	36	0	0

cont .5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - PANGANI, 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
Okra	73	0	0	0	36	0	0	0	0	0	109	0	0
Radish	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	73	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
Cabbage	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	0
Spinach	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
Chillies	36	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	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
Water Mellon	0	0	36	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	109	0	36	0	36	0	0	0	0	0	182	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,770	0	182	0	146	0	0	0	0	36	693	0	4,046

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - PANGANI, 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	3,827	36	36	73	73	0	73	0	0	73	1,093	0	3,718
Paddy	146	36	0	0	0	0	0	0	0	0	109	0	146
Sorghum	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
CEREALS	3,973	73	36	73	73	0	73	0	0	73	1,203	0	3,864
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	36	0	0	0	0	0	0	0	0	73	0	0
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	0	36	0	0	0	0	0	0	0	0	73	0	0
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	36	0	0	0	0	0	0	0	0	0	0	0	0
Cowpeas	292	0	0	0	0	0	0	0	0	0	109	0	182
Green gram	219	0	0	0	0	0	0	0	0	0	109	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	547	0	0	0	0	0	0	0	0	0	219	0	182
Sunflower	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Simsim	**838**	**0**	**0**	**0**	**73**	**36**	**0**	**0**	**0**	**0**	**73**	**0**	**0**
Groundnut	**73**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
OIL SEEDS & OIL NUTS	911	0	0	0	73	36	0	0	0	0	73	0	0

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - PANGANI, 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
Okra	109	0	0	0	0	36	0	0	0	0	109	0	0
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	36	0	0	0	36	0	0	0	0	0	36	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
Cabbage	0	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	73	0	0	0	0	36	0	0	0	0	0	0	0
Spinach	36	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	36	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	73	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	0	0	0	0	0	0	0	0	0	0	0	0	0
Egg Plant	73	0	0	0	0	0	0	0	0	0	0	0	0
Water Mellon	0	0	0	0	36	0	0	0	0	0	36	0	0
FRUITS & VEGETABLES	437	0	0	0	73	73	0	0	0	0	182	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,868	109	36	73	219	109	73	0	0	73	1,750	0	4,046

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - HANDENI, 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	4,686	0	521	0	260	0	0	0	0	130	130	0	13,277
Paddy	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	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
CEREALS	4,686	0	521	0	260	0	0	0	0	130	130	0	13,277
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	130	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	130	0	0	0	0	0	0	0	0	0	0	0	0
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	130
Beans	0	0	0	0	0	0	0	0	0	0	0	0	391
Cowpeas	6,118	260	391	0	130	0	0	0	0	130	521	0	5,858
Green gram	1,562	0	0	0	0	0	0	0	0	0	130	0	651
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	130
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	7,680	260	391	0	130	0	0	0	0	130	651	0	7,159
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	651	0	260	0	0	0	0	0	0	0	130	0	130
Groundnut	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	651	0	260	0	0	0	0	0	0	0	130	0	130

cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - HANDENI, 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
Okra	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
Bitteer Aubergine	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	130
Cabbage	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	0
Spinach	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
Chillies	130	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	0	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	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
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	130	0	0	0	0	0	0	0	0	0	0	0	130
Cotton	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tobacco	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pyrethrum	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	13,277	260	1,172	0	391	0	0	0	0	260	911	0	20,697

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - HANDENI, 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	25,643	781	1,822	391	1,172	0	0	0	0	521	1,172	130	17,182
Paddy	260	0	0	0	0	0	0	0	0	0	0	130	391
Sorghum	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
CEREALS	25,903	781	1,822	391	1,172	0	0	0	0	521	1,172	260	17,573
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	130	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	130	0	0	0	0	0	0	0	0	0	0	0	0
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	391	130	130	0	0	0	0	0	0	0	0	0	651
Cowpeas	1,562	130	0	0	0	0	0	0	0	0	0	0	1,822
Green gram	651	0	130	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	2,603	260	260	0	0	0	0	0	0	0	0	0	2,473
Sunflower	391	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	3,384	0	130	0	0	0	0	0	0	0	260	0	0
Groundnut	0	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	3,775	0	130	0	0	0	0	0	0	0	260	0	0

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - HANDENI, 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
Okra	**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**
Bitteer Aubergine	**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**
Cabbage	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tomatoes	**260**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Spinach	**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**
Chillies	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Amaranths	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pumpkins	**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**
Water Mellon	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
FRUITS & VEGETABLES	260	0	0	0	0	0	0	0	0	0	0	0	0
Cotton	**130**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tobacco	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pyrethrum	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
CASH CROPS	130	0	0	0	0	0	0	0	0	0	0	0	0
Total	32,802	1,041	2,213	391	1,172	0	0	0	0	521	1,432	260	20,046

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - KILINDI, 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	7,299	587	252	0	839	0	0	84	84	84	1,091	0	11,326
Paddy	84	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	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
CEREALS	7,383	587	252	0	839	0	0	84	84	84	1,091	0	11,326
Cassava	84	0	0	0	0	0	0	0	0	0	0	0	84
Sweet Potato	84	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	84
Yams	84	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
ROOTS & TUBERS	252	0	0	0	0	0	0	0	0	0	0	0	168
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	419	0	0	0	0	0	0	0	0	0	0	0	168
Cowpeas	1,175	0	0	84	84	0	0	0	0	0	0	0	252
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	0
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	1,594	0	0	84	84	0	0	0	0	0	0	0	419
Sunflower	**84**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**252**
Simsim	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Groundnut	**84**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
OIL SEEDS & OIL NUTS	168	0	0	0	0	0	0	0	0	0	0	0	252

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - KILINDI, 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	10,319	923	336	0	923	0	84	0	0	0	1,091	84	6,628
Paddy	252	84	0	0	0	0	0	84	0	0	0	0	0
Sorghum	0	0	0	84	84	0	0	0	0	0	0	0	0
Wheat	0	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	10,571	1,007	336	84	1,007	0	84	84	0	0	1,091	84	6,628
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	84	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	84	0	0	0	0	0	0	0	0	0	0	0	0
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	10,151	839	755	84	2,097	0	0	84	168	84	1,091	419	1,175
Cowpeas	755	0	0	0	0	0	0	0	0	0	0	0	168
Green gram	0	0	0	0	0	0	0	0	0	0	0	0	84
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	10,906	839	755	84	2,097	0	0	84	168	84	1,091	419	1,426
Sunflower	168	0	84	0	0	0	0	0	0	0	0	0	84
Simsim	0	0	0	0	84	0	0	0	0	0	84	0	0
Groundnut	168	0	0	0	0	0	0	0	0	0	0	0	0
OIL SEEDS & OIL NUTS	336	0	84	0	84	0	0	0	0	0	84	0	84

…cont .5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - KILINDI, 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
Okra	84	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
Bitteer Aubergine	0	0	0	0	0	0	0	0	0	0	0	0	84
Onion	168	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
Cabbage	84	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	1,091	0	0	168	0	0	0	0	0	0	0	0	168
Spinach	84	0	0	0	0	0	0	0	0	0	0	0	84
Carrot	0	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	84	0	0	0	0	0	0	0	0	0	0	0	0
Amaranths	0	0	0	84	0	0	0	0	0	0	0	0	0
Pumpkins	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	84	0	0
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	1,594	0	0	252	0	0	0	0	0	0	84	0	336
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	84	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	84	0	0	0	0	0	0	0	0	0
Total	23,490	1,846	1,175	503	3,188	0	84	168	168	84	2,349	503	8,473

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MKINGA, 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	3,067	335	56	167	112	0	0	0	0	0	2,453	335	6,523
Paddy	56	0	0	0	0	0	0	0	0	0	0	0	56
Sorghum	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
CEREALS	3,122	335	56	167	112	0	0	0	0	0	2,453	335	6,579
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	0	0	0	0	0	0	0	0	0	0	0	0	112
Irish potatoes	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
Coco Yam	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	0	0	0	0	0	0	0	0	0	0	0	0	112
Mung Bean	56	0	0	0	0	0	0	0	0	0	56	0	0
Beans	725	167	0	0	56	0	0	0	0	0	167	56	0
Cowpeas	1,338	223	0	0	0	0	0	0	0	0	279	0	1,004
Green gram	558	0	0	0	0	0	0	0	0	0	279	112	446
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	2,676	390	0	0	56	0	0	0	0	0	781	167	1,450
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut	446	56	0	56	0	0	0	0	0	0	0	0	279
OIL SEEDS & OIL NUTS	446	56	0	56	0	0	0	0	0	0	0	0	279

…cont .5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MKINGA, 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
Okra	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
Bitteer Aubergine	0	0	0	0	0	0	0	0	0	0	0	0	0
Onion	112	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
Cabbage	56	0	0	0	0	0	0	0	0	0	0	0	0
Tomatoes	167	0	0	0	0	0	0	0	0	56	0	0	0
Spinach	0	0	0	0	56	0	0	0	0	56	0	0	0
Carrot	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
Amaranths	167	0	0	0	0	0	0	0	0	56	0	0	0
Pumpkins	0	0	0	0	0	0	0	0	0	0	56	0	0
Egg Plant	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
FRUITS & VEGETABLES	502	0	0	0	56	0	0	0	0	167	56	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6,746	781	56	223	223	0	0	0	0	167	3,290	502	8,419

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

Crop	Open Market Price too low	No Transport	Transport Cost too high	No buyer	Crop Market too Far	Farmer Association problems	Cooperative problems	Trade Union Problems	Goernment Rugulatory Problems	Lack of Market Information	No problem	Other	Not Applicable
Maize	1,282	56	56	0	167	0	0	56	56	0	1,394	0	3,178
Paddy	112	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum	0	0	0	0	0	0	0	0	0	0	56	0	0
Wheat	0	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	1,394	56	56	0	167	0	0	56	56	0	1,450	0	3,178
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	112	0	0	0	0	0	0	0	0	0	0	0	0
Irish potatoes	0	0	0	0	0	0	0	0	0	0	0	0	56
Yams	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
ROOTS & TUBERS	112	0	0	0	0	0	0	0	0	0	0	0	56
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	279	56	56	0	167	0	0	0	0	0	167	0	167
Cowpeas	335	0	0	0	0	0	0	0	0	56	335	0	446
Green gram	167	0	0	0	0	0	0	0	0	0	279	0	613
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	781	56	56	0	167	0	0	0	0	56	781	0	1,227
Sunflower	0	0	0	0	0	0	0	0	0	0	0	0	0
Simsim	56	0	0	0	56	0	0	0	0	0	167	0	56
Groundnut	112	0	0	0	0	0	0	0	0	0	56	0	0
OIL SEEDS & OIL NUTS	167	0	0	0	56	0	0	0	0	0	223	0	56

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - MKINGA, 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
Okra	0	0	56	0	0	0	0	0	0	0	112	0	0
Radish	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
Onion	56	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
Cabbage	56	0	0	0	0	0	0	0	0	0	56	0	0
Tomatoes	223	0	56	0	0	0	0	0	0	0	167	0	0
Spinach	0	0	0	0	56	0	0	0	0	0	0	0	0
Carrot	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
Amaranths	112	0	0	0	0	0	0	0	0	0	0	0	0
Pumpkins	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	56	0	0
Water Mellon	0	0	0	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	446	0	112	0	56	0	0	0	0	0	390	0	0
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	0	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,899	112	223	0	446	0	0	56	56	56	2,844	0	4,516

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - TANGA REGION, 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	67,332	7,384	3,946	503	2,939	0	1,032	84	224	1,667	6,936	567	100,072
Paddy	1,367	140	0	0	0	0	0	0	0	0	0	0	56
Sorghum	0	0	0	0	0	0	0	0	0	0	232	0	0
Wheat	0	0	0	0	0	0	0	0	0	0	0	0	232
CEREALS	68,699	7,525	3,946	503	2,939	0	1,032	84	224	1,667	7,168	567	100,360
Cassava	548	0	0	0	0	0	0	0	0	0	36	0	120
Sweet Potato	2,072	0	697	0	0	0	0	0	0	0	103	0	1,748
Irish potatoes	15,666	232	929	232	929	0	0	0	0	2,555	697	0	5,659
Yams	84	0	0	0	0	0	0	0	0	0	0	0	0
Coco Yam	335	232	0	0	0	0	0	0	0	0	0	0	0
ROOTS & TUBERS	18,706	465	1,626	232	929	0	0	0	0	2,555	836	0	7,527
Mung Bean	661	0	0	0	0	0	0	0	0	0	56	0	175
Beans	40,829	3,393	1,600	206	1,991	0	929	0	232	1,265	4,861	56	16,130
Cowpeas	10,239	483	427	84	251	0	232	0	0	130	1,125	0	8,809
Green gram	2,302	0	36	0	0	0	0	0	0	0	409	112	1,179
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	130
Bambaranuts	0	0	0	0	0	0	0	0	0	0	0	0	0
Field Peas	232	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	54,262	3,877	2,063	290	2,242	0	1,161	0	232	1,395	6,450	167	26,423
Sunflower	84	0	0	0	0	0	0	0	0	0	0	0	252
Simsim	915	0	260	0	73	0	0	0	0	0	167	0	130
Groundnut	2,030	1,229	0	56	103	0	0	0	0	0	244	0	626
OIL SEEDS & OIL NUTS	3,029	1,229	260	56	176	0	0	0	0	0	410	0	1,007

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - TANGA REGION, 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
Okra	491	140	0	0	36	0	0	0	0	0	155	0	45
Radish	0	0	0	0	0	0	0	0	0	0	0	0	0
Bitteer Aubergine	697	0	0	0	0	0	0	0	0	0	73	0	232
Onion	1,125	0	0	0	232	0	0	0	0	0	0	0	0
Ginger	232	232	232	0	0	0	0	0	0	0	0	0	175
Cabbage	1,766	0	232	0	697	0	0	0	0	0	232	0	0
Tomatoes	4,090	0	929	0	373	0	0	0	0	288	465	0	465
Spinach	103	0	140	0	56	0	0	0	0	56	0	0	232
Carrot	232	0	0	0	0	0	0	0	0	0	0	0	0
Chillies	1,328	0	0	0	0	0	140	0	0	0	0	0	0
Amaranths	742	0	0	103	0	0	0	0	0	56	0	0	0
Pumpkins	0	0	0	0	0	0	0	0	0	0	56	0	0
Egg Plant	140	0	0	0	0	0	0	0	0	0	0	0	0
Water Mellon	0	0	36	0	0	0	0	0	0	0	0	0	0
FRUITS & VEGETABLES	10,946	373	1,571	103	1,394	0	140	0	0	400	980	0	1,150
Cotton	0	0	0	0	0	0	0	0	0	0	0	0	0
Tobacco	232	0	0	0	0	0	0	0	0	0	0	0	0
Pyrethrum	0	0	0	0	0	0	0	0	0	0	0	0	0
CASH CROPS	232	0	0	0	0	0	0	0	0	0	0	0	0
Total	155,875	13,467	9,466	1,184	7,680	0	2,334	84	457	6,016	15,845	734	136,468

5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop - TANGA REGION, 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	83,539	7,199	3,852	463	3,916	244	297	56	262	1,539	13,754	458	83,725
Paddy	6,138	467	103	0	0	0	0	84	0	140	2,704	130	3,416
Sorghum	140	0	0	84	84	0	0	0	0	0	56	0	0
Wheat	0	0	0	0	0	0	0	0	0	0	0	0	0
CEREALS	89,818	7,666	3,955	547	4,000	244	297	140	262	1,679	16,514	588	87,142
Cassava	0	0	0	0	0	0	0	0	0	0	0	0	0
Sweet Potato	672	36	0	0	0	0	0	0	0	0	164	0	91
Irish potatoes	5,343	0	697	0	697	0	0	0	0	232	1,210	0	1,217
Yams	0	0	0	0	0	0	0	0	0	0	0	0	0
Coco Yam	103	0	0	0	0	0	0	0	0	0	140	0	103
ROOTS & TUBERS	6,118	36	697	0	697	0	0	0	0	232	1,514	0	1,411
Mung Bean	0	0	0	0	0	0	0	0	0	0	0	0	0
Beans	42,582	4,133	2,980	84	3,822	0	0	84	400	2,143	12,226	419	7,967
Cowpeas	3,393	233	0	0	140	0	0	0	0	56	444	0	3,539
Green gram	1,177	0	130	0	0	0	0	0	0	0	388	0	969
Chick peas	0	0	0	0	0	0	0	0	0	0	0	0	0
Bambaranuts	0	0	232	0	0	0	0	0	0	0	0	0	0
Field Peas	0	0	0	0	0	0	0	0	0	0	0	0	0
PULSES	47,152	4,366	3,342	84	3,962	0	0	84	400	2,198	13,058	419	12,474
Sunflower	558	0	84	0	0	0	0	0	0	0	0	0	84
Simsim	4,460	0	130	0	303	36	0	0	0	0	584	0	56
Groundnut	2,588	103	0	0	0	0	0	0	0	0	196	0	384
OIL SEEDS & OIL NUTS	7,606	103	214	0	303	36	0	0	0	0	781	0	524

…cont 5.41 MARKETING PROBLEMS: Number of Households Reporting Marketing Problems for agricultural products by Crop -TANGA REGION, 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
Okra	**577**	**0**	**56**	**0**	**0**	**36**	**0**	**0**	**0**	**0**	**407**	**0**	**0**
Radish	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**140**	**0**	**0**
Bitteer Aubergine	**1,479**	**0**	**103**	**0**	**36**	**0**	**0**	**232**	**0**	**0**	**269**	**0**	**84**
Onion	**224**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Ginger	**232**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Cabbage	**1,069**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**232**	**288**	**0**	**0**
Tomatoes	**4,403**	**232**	**288**	**168**	**373**	**36**	**0**	**0**	**0**	**0**	**167**	**0**	**449**
Spinach	**456**	**0**	**0**	**0**	**56**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**84**
Carrot	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Chillies	**969**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Amaranths	**275**	**0**	**0**	**84**	**0**	**0**	**0**	**0**	**0**	**0**	**45**	**0**	**45**
Pumpkins	**206**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Egg Plant	**73**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**140**	**0**	**0**
Water Mellon	**103**	**0**	**0**	**0**	**36**	**0**	**0**	**0**	**0**	**0**	**36**	**0**	**0**
FRUITS & VEGETABLES	10,066	232	447	252	501	73	0	232	0	232	1,493	0	662
Cotton	**130**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Tobacco	**0**	**0**	**0**	**84**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Pyrethrum	**140**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**140**
CASH CROPS	271	0	0	84	0	0	0	0	0	0	0	0	140
Total	161,030	12,405	8,655	967	9,464	353	297	456	662	4,342	33,359	1,007	102,353

PERMANENT CROPS

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

District	Have Crops/Fruit Trees		Does Not Have Crops/Fruit Trees		Total	
	Number	%	Number	%	Number	%
Lushoto	**26,480**	**28**	**67,595**	**72**	**94,075**	**100.0**
Korogwe	18,826	33	38,072	67	56,898	100.0
Muheza	31,360	75	10,419	25	41,779	100.0
Tanga	11,326	72	4,303	28	15,629	100.0
Pangani	7,764	59	5,358	41	13,122	100.0
Handeni	11,715	22	41,003	78	52,718	100.0
Kilindi	9,983	29	23,994	71	33,977	100.0
Mkinga	16,838	75	5,743	25	22,581	100.0
Total	134,292	41	196,487	59	330,779	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	
Lushoto	21,138	8,450	15,563	8,472	26,480	16,922	10,698
Korogwe	12,223	6,527	10,115	3,940	18,826	10,467	8,727
Muheza	18,672	13,613	25,067	39,797	31,360	53,410	29,485
Tanga	5,391	5,042	9,604	20,412	11,326	25,454	13,697
Pangani	4,848	5,127	4,410	5,934	7,764	11,061	7,630
Handeni	7,289	6,180	6,899	5,000	11,715	11,181	7,912
Kilindi	5,789	3,667	7,634	4,653	9,983	8,320	6,263
Mkinga	6,635	6,509	16,169	37,248	16,838	43,757	12,987
Total	81,984	55,116	95,462	125,455	134,292	180,570	97,399

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut					0	-	-
Banana	12,079	3,074	2,731	10,165	10,164,785	3.72	3,722
Coffee	1,626	311	265	133	133,099	.50	503
Mango	929	109	35	291	291,053	8.35	8,353
Pigeon pea					0	-	-
Coconut					0	-	-
Orange	232	37	5	8	7,665	1.65	1,650
Sugar cane	2,091	271	268	3,171	3,171,385	11.84	11,838
Tea	2,555	1,214	1,075	6,353	6,352,991	5.91	5,909
Other	19,047	11,905	6,321	9,669	9,668,624	1.53	1,530
Total	38,559	16,922	10,698	29,790	29,789,602	2.78	2,784

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut	983	505	505	26	26,271	.05	52
Banana	6,041	1,427	906	6,306	6,306,268	6.96	6,958
Coffee	702	191	191	296	296,432	1.55	1,554
Mango	2,248	535	414	2,115	2,115,202	5.11	5,107
Pigeon pea					0	-	-
Coconut	1,686	682	573	729	728,716	1.27	1,272
Orange	843	844	465	1,801	1,800,787	3.87	3,875
Sugar cane	2,388	828	807	10,264	10,263,983	12.71	12,711
Tea	1,124	332	312	3,368	3,367,520	10.80	10,805
Other	16,297	5,123	4,553	13,113	13,113,379	2.88	2,880
Total	32,312	10,467	8,727	38,019	38,018,559	4.36	4,357

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut	983	505	505	26	26,271	.05	52
Banana	6,041	1,427	906	6,306	6,306,268	6.96	6,958
Coffee	702	191	191	296	296,432	1.55	1,554
Mango	2,248	535	414	2,115	2,115,202	5.11	5,107
Pigeon pea					0	-	-
Coconut	1,686	682	573	729	728,716	1.27	1,272
Orange	843	844	465	1,801	1,800,787	3.87	3,875
Sugar cane	2,388	828	807	10,264	10,263,983	12.71	12,711
Tea	1,124	332	312	3,368	3,367,520	10.80	10,805
Other	16,297	5,123	4,553	13,113	13,113,379	2.88	2,880
Total	32,312	10,467	8,727	38,019	38,018,559	4.36	4,357

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut	3,443	6,512	1,563	94	94,138	.06	60
Banana	2,039	570	527	1,379	1,379,265	2.62	2,617
Coffee					0	-	-
Mango	2,492	977	463	3,932	3,932,170	8.50	8,497
Pigeon pea					0	-	-
Coconut	5,799	7,324	3,487	10,361	10,361,387	2.97	2,972
Orange	1,767	2,118	1,019	1,782	1,781,910	1.75	1,748
Sugar cane	136	24	24	24	23,512	.98	976
Tea					0	-	-
Other	10,193	7,929	6,615	16,215	16,215,178	2.45	2,451
Total	25,867	25,454	13,697	33,788	33,787,560	2.47	2,467

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut	2,369	2,798	1,008	1,019	1,019,263	1.01	1,011
Banana	1,166	318	264	1,219	1,218,676	4.62	4,617
Coffee					0	-	-
Mango	328	106	76	453	452,552	5.99	5,986
Pigeon pea	36	27	2	1	1,093	.60	600
Coconut	3,572	4,115	3,522	5,637	5,636,599	1.60	1,601
Orange	1,677	1,183	765	1,700	1,700,387	2.22	2,224
Sugar cane	109	48	48	569	569,335	11.84	11,843
Tea					0	-	-
Other	4,665	2,467	1,946	5,829	5,829,269	3.00	2,996
Total	13,924	11,061	7,630	16,427	16,427,176	2.15	2,153

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut	260	69	.	21	20,827	-	-
Banana	1,172	190	158	160	159,715	1.01	1,013
Coffee					0	-	-
Mango	1,953	403	348	252	252,393	.72	724
Pigeon pea	130	102	102	39	39,050	.38	381
Coconut	911	361	242	116	116,499	.48	482
Orange	6,769	7,972	5,215	11,745	11,744,951	2.25	2,252
Sugar cane					0	-	-
Tea					0	-	-
Other	5,727	2,083	1,847	5,316	5,315,622	2.88	2,878
Total	16,922	11,181	7,912	17,649	17,649,058	2.23	2,231

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut	260	69	.	21	20,827	-	-
Banana	1,172	190	158	160	159,715	1.01	1,013
Coffee					0	-	-
Mango	1,953	403	348	252	252,393	.72	724
Pigeon pea	130	102	102	39	39,050	.38	381
Coconut	911	361	242	116	116,499	.48	482
Orange	6,769	7,972	5,215	11,745	11,744,951	2.25	2,252
Sugar cane					0	-	-
Tea					0	-	-
Other	5,727	2,083	1,847	5,316	5,315,622	2.88	2,878
Total	16,922	11,181	7,912	17,649	17,649,058	2.23	2,231

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

Crop	Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Quantity Harvested (kgs)	Yield (tons/Ha)	Yield (Kg/Ha)
	Number of households	Area					
Cashewnut	260	69	.	21	20,827	-	-
Banana	1,172	190	158	160	159,715	1.01	1,013
Coffee					0	-	-
Mango	1,953	403	348	252	252,393	.72	724
Pigeon pea	130	102	102	39	39,050	.38	381
Coconut	911	361	242	116	116,499	.48	482
Orange	6,769	7,972	5,215	11,745	11,744,951	2.25	2,252
Sugar cane					0	-	-
Tea					0	-	-
Other	5,727	2,083	1,847	5,316	5,315,622	2.88	2,878
Total	16,922	11,181	7,912	17,649	17,649,058	2.23	2,231

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

District	Cashewnut								Banana							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Lushoto									8,130	2,422	8,362	652	12,079	3,074	2,731	10,165
Korogwe	702	425	421	81	983	505	505	26	2,810	921	4,074	505	6,041	1,427	906	6,306
Muheza	928	509	928	1,672	1,238	2,181	188	255	4,848	1,224	10,832	1,440	12,379	2,664	2,287	17,021
Tanga	770	150	3,307	6,361	3,443	6,512	1,563	94	725	282	1,993	288	2,039	570	527	1,379
Pangani	1,021	1,369	1,604	1,429	2,369	2,798	1,008	1,019	474	124	911	194	1,166	318	264	1,219
Handeni	0	.	260	69	260	69	.	21	391	52	1,041	138	1,172	190	158	160
Kilindi	0	.	84	56	84	56	56	0	1,846	1,708	2,852	647	3,020	2,355	2,297	2,776
Mkinga	3,736	2,161	9,144	17,987	9,200	20,148	1,386	3,631	948	265	3,513	550	3,568	815	434	3,985
Total	7,157	4,614	15,749	27,655	17,577	32,269	4,706	5,047	20,171	6,998	33,579	4,415	41,464	11,412	9,604	43,010

Cont. 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District - TANGA

District	Coffee								Mango							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Lushoto	697	138	929	173	1,626	311	265	133	232	3	929	106	929	109	35	291
Korogwe	421	69	281	122	702	191	191	296	1,124	209	1,545	326	2,248	535	414	2,115
Muheza	413	27	722	117	722	144	106	5	516	74	1,651	2,397	1,754	2,471	540	2,230
Tanga									181	26	2,492	951	2,492	977	463	3,932
Pangani									109	10	292	96	328	106	76	453
Handeni									521	105	1,822	298	1,953	403	348	252
Kilindi	0	.	84	10	84	10	10	1	1,091	231	3,524	1,887	3,691	2,117	851	5,292
Mkinga									1,059	316	3,401	1,133	3,457	1,449	893	3,509
Total	1,531	234	2,016	422	3,134	656	571	436	4,833	974	15,655	7,195	16,851	8,169	3,620	18,074

Cont. 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District - TANGA

District	Pigeon pea								Coconut							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)
	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons	Number of households	Area	Number of households	Area	Number of households	Area	Area	tons
Lushoto																
Korogwe									843	457	1,124	225	1,686	682	573	729
Muheza									2,888	1,710	5,674	2,753	6,499	4,462	2,821	5,566
Tanga									2,039	1,729	5,391	5,595	5,799	7,324	3,487	10,361
Pangani	36	3	36	24	36	27	2	1	1,750	1,958	2,515	2,156	3,572	4,115	3,522	5,637
Handeni	0	.	130	102	130	102	102	39	781	283	260	78	911	361	242	116
Kilindi	1,678	1,015	587	225	2,181	1,240	1,240	712	252	99	252	96	252	195	195	98
Mkinga									3,011	1,380	9,255	9,600	9,367	10,979	3,667	9,688
Total	1,714	1,018	754	352	2,348	1,370	1,345	752	11,563	7,615	24,471	20,503	28,085	28,118	14,506	32,195

Cont. 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District - TANGA

District	Orange								Sugarcane							
	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
Lushoto	0	.	232	37	232	37	5	8	1,394	253	929	18	2,091	271	268	3,171
Korogwe	702	407	421	437	843	844	465	1,801	1,545	535	1,124	293	2,388	828	807	10,264
Muheza	10,728	7,305	12,173	13,470	16,299	20,775	15,131	42,696	619	160	1,444	179	1,754	339	257	3,622
Tanga	815	339	1,721	1,779	1,767	2,118	1,019	1,782	136	14	136	11	136	24	24	24
Pangani	802	450	1,203	733	1,677	1,183	765	1,700	36	14	73	34	109	48	48	569
Handeni	4,035	4,492	3,645	3,481	6,769	7,972	5,215	11,745								
Kilindi	336	38	1,007	461	1,007	499	160	403	252	66	419	142	503	208	208	238
Mkinga	1,004	507	3,178	1,706	3,178	2,213	1,505	1,787	112	28	56	3	112	31	31	56
Total	18,423	13,538	23,580	22,102	31,771	35,640	24,264	61,922	4,094	1,071	4,181	679	7,093	1,750	1,643	17,944

Cont. 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District - TANGA

District	Tea								Other							
	Area of Plants/Trees/Bushes in Mono Crop (ha)		Area Covered by Permanent Crop in Mixed Crop (ha)		Total Area Planted (ha) Mono+Mixed Area		Area harvested (ha)	Quantity harvested (tons)	Area of 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
Lushoto	2,555	803	697	411	2,555	1,214	1,075	6,353	15,795	4,831	10,221	7,074	19,047	11,905	6,321	9,669
Korogwe	1,124	332	0	.	1,124	332	312	3,368	9,694	3,172	8,710	1,952	16,297	5,123	4,553	13,113
Muheza	206	173	413	104	619	277	275	121	11,244	2,431	23,726	17,665	26,408	20,096	7,880	16,469
Tanga									4,757	2,502	8,698	5,426	10,193	7,929	6,615	16,215
Pangani									2,770	1,199	2,442	1,268	4,665	2,467	1,946	5,829
Handeni									2,994	1,248	4,035	835	5,727	2,083	1,847	5,316
Kilindi									1,426	510	3,356	1,129	3,859	1,639	1,246	1,928
Mkinga									4,460	1,852	13,047	6,270	13,716	8,122	5,072	13,718
Total	3,885	1,307	1,109	515	4,298	1,823	1,662	9,841	53,141	17,746	74,235	41,618	99,913	59,364	35,479	82,258

Cont. 5.3.6: PERMANENT CROPS: Mono and Mixed Crops by Area Planted, Area Harvested and Quantity Harvested, Type of Planting Crops and District - TANGA

District	Total							
	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
Lushoto	28,803	8,450	22,299	8,472	38,559	16,922	10,698	29,790
Korogwe	18,966	6,527	17,702	3,940	32,312	10,467	8,727	38,019
Muheza	32,392	13,613	57,562	39,797	67,672	53,410	29,485	87,985
Tanga	9,423	5,042	23,738	20,412	25,867	25,454	13,697	33,788
Pangani	6,998	5,127	9,076	5,934	13,924	11,061	7,630	16,427
Handeni	8,721	6,180	11,194	5,000	16,922	11,181	7,912	17,649
Kilindi	6,879	3,667	12,165	4,653	14,681	8,320	6,263	11,449
Mkinga	14,329	6,509	41,593	37,248	42,597	43,757	12,987	36,374
Total	126,512	55,116	195,330	125,455	252,534	180,570	97,399	271,480

ACCESS TO EQUIPMENTS

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	%	
Lushoto	91,985	97.8	91,288	97.0	11,382	12.1	232	0.2	0	0.0	232	0.2	94,075
Korogwe	55,353	97.3	56,477	99.3	1,826	3.2	0	0.0	2,248	4.0	421	0.7	56,898
Muheza	41,573	99.5	41,263	98.8	1,857	4.4	413	1.0	309	0.7	103	0.2	41,779
Tanga	15,357	98.3	15,448	98.8	453	2.9	181	1.2	136	0.9	181	1.2	15,629
Pangani	12,794	97.5	12,684	96.7	328	2.5	36	0.3	0	0.0	36	0.3	13,122
Handeni	51,546	97.8	52,197	99.0	1,041	2.0	260	0.5	391	0.7	0	0.0	52,718
Kilindi	32,551	95.8	33,306	98.0	1,930	5.7	252	0.7	252	0.7	0	0.0	33,977
Mkinga	21,745	96.3	21,689	96.0	948	4.2	223	1.0	167	0.7	223	1.0	22,581
Total	######	97.6	324,351	98.1	19,765	6.0	1,598	0.5	3,503	1.1	1,198	0.4	330,779

...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	%	
Lushoto	697	0.7	696.9	0.7	696.9	0.7	0.0	0.0	464.6	0.5	1,626.0	1.7	94,075
Korogwe	1,545	2.7	702.4	1.2	421.5	0.7	562.0	1.0	1,545.4	2.7	1,123.9	2.0	56,898
Muheza	206	0.5	0.0	0.0	206.3	0.5	103.2	0.2	412.6	1.0	412.6	1.0	41,779
Tanga	272	1.7	90.6	0.6	90.6	0.6	90.6	0.6	362.4	2.3	634.2	4.1	15,629
Pangani	0	0.0	72.9	0.6	0.0	0.0	36.4	0.3	0.0	0.0	36.4	0.3	13,122
Handeni	130	0.2	130.2	0.2	0.0	0.0	520.7	1.0	390.5	0.7	650.8	1.2	52,718
Kilindi	84	0.2	251.7	0.7	251.7	0.7	1,174.5	3.5	83.9	0.2	503.4	1.5	33,977
Mkinga	223	1.0	0.0	0.0	55.8	0.2	111.5	0.5	501.8	2.2	334.5	1.5	22,581
Total	3,157	1.0	1,944.6	0.6	1,723	0.5	2,598.9	0.8	3,761.2	1.1	5,321.9	1.6	330,779

...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	%	
Lushoto	4,878	5.2	0	0.0	232	0.2	232	0.2	0	0.0	94,075
Korogwe	1,686	3.0	421	0.7	0	0.0	0	0.0	0	0.0	56,898
Muheza	309	0.7	309	0.7	0	0.0	0	0.0	0	0.0	41,779
Tanga	770	4.9	272	1.7	91	0.6	136	0.9	91	0.6	15,629
Pangani	109	0.8	36	0.3	0	0.0	0	0.0	73	0.6	13,122
Handeni	1,562	3.0	391	0.7	521	1.0	0	0.0	130	0.2	52,718
Kilindi	419	1.2	168	0.5	84	0.2	0	0.0	0	0.0	33,977
Mkinga	446	2.0	279	1.2	56	0.2	112	0.5	0	0.0	22,581
Total	10,180	3.1	1,876	0.6	983	0.3	480	0.1	294	0.1	330,779

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	%
Lushoto	158,651	26.6	232,285	25.7	13,705	59.2	465	3.5	.	-	6,969	38.5
Korogwe	110,424	18.5	153,414	17.0	1,826	7.9	.	-	14,611	63.5	3,372	18.6
Muheza	88,406	14.8	121,417	13.4	1,960	8.5	2,579	19.3	619	2.7	2,269	12.5
Tanga	27,498	4.6	37,601	4.2	544	2.3	227	1.7	1,450	6.3	2,673	14.8
Pangani	23,765	4.0	31,857	3.5	474	2.0	802	6.0	.	-	1,093	6.0
Handeni	87,082	14.6	157,632	17.5	1,302	5.6	3,124	23.4	4,296	18.7	.	6.0
Kilindi	62,753	10.5	115,773	12.8	2,265	9.8	2,013	15.1	252	1.1	.	6.0
Mkinga	37,412	6.3	53,079	5.9	1,059	4.6	4,126	30.9	1,784	7.8	1,728	9.5
Total	595,990	100.0	903,057	100.0	23,135	100.0	13,335	100.0	23,011	100.0	18,104	100.0

...Cont. 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											
	Ox cart		Trekta		Tractor plough		Tractor Harrow		Castrated bulls		Uncastrated bulls	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	15,331	52.08	12,079	60.74	6,969	35.11	.	-	4,878	19.89	15,563	40.92
Korogwe	8,008	27.20	1,826	9.18	5,901	29.73	5,198	28.43	8,710	35.52	2,669	7.02
Muheza	206	0.70	.	-	4,539	22.87	2,269	12.41	1,135	4.63	928	2.44
Tanga	2,582	8.77	181	0.91	317	1.60	317	1.73	1,540	6.28	4,394	11.55
Pangani	.	-	1,895	9.53	.	-	729	3.99	.	-	219	0.58
Handeni	2,864	9.73	130	0.65	.	-	6,248	34.18	3,905	15.92	4,816	12.66
Kilindi	168	0.57	3,775	18.98	2,013	10.14	2,181	11.93	1,510	6.16	5,705	15.00
Mkinga	279	0.95	.	-	112	0.56	1,338	7.32	2,844	11.60	3,736	9.82
Total	29,437	100.00	19,887	100.00	19,850	100.00	18,281	100.00	24,522	100.00	38,030	100.00

...Cont. 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									
	Cow		Donkey		Thrasher		Power tiller		Rigder	
	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	5,807	10.9	.	-	5,110	0.3	4,646	0.8	.	-
Korogwe	15,454	29.0	702	0.1	.	-	.	-	.	-
Muheza	928	1.7	516	0.1	.	-	.	-	.	-
Tanga	6,342	11.9	1,857	0.2	1,042	0.1	1,133	0.2	227	0.1
Pangani	1,312	2.5	802	0.1	.	-	.	-	1,312	0.7
Handeni	13,277	24.9	911	0.1	7,550	0.5	.	-	260	0.1
Kilindi	1,678	3.1	419	0.0	1,846	0.1	.	-	.	-
Mkinga	8,531	16.0	3,457	0.4	1,227	0.1	223	0.0	.	-
Total	53,329	100.0	8,665	1.0	16,774	1.0	6,001	1.0	1,799	1.0

6.2.1 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	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Korogwe	1,967	71.8	140	22.5	140	100.0	140	42.9	1,124	40.4	0	0.0
Muheza	103	3.8	103	16.5	0	0.0	103	31.5	0	0.0	0	0.0
Tanga	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pangani	0	0.0	0	0.0	0	0.0	0	0.0	182	6.6	36	100.0
Handeni	391	14.3	130	20.8	0	0.0	0	0.0	130	4.7	0	0.0
Kilindi	168	6.1	84	13.4	0	0.0	84	25.6	1,342	48.3	0	0.0
Mkinga	112	4.1	167	26.8	0	0.0	0	0.0	0	0.0	0	0.0
Total	2,740	41.2	625	9.4	140	2.1	328	4.9	2,779	100.0	36	100.0

6.2.2 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	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	.	-	.	-	.	-	.	-	.	-	.	-
Korogwe	2,107	36.3	.	-	421	9.9	.	-	140	100.0	.	-
Muheza	.	-	.	-	103	2.4	103	100.0	.	-	.	-
Tanga	227	3.9	498	23.8	3,488	81.8	.	-	.	-	.	-
Pangani	36	0.6	.	-	.	-	.	-	.	-	.	-
Handeni	130	2.2	1,432	68.2	.	-	.	-	.	-	.	-
Kilindi	3,188	55.0	168	8.0	252	5.9	.	-	.	-	.	-
Mkinga	112	1.9	.	-	.	-	.	-	.	-	.	-
Total	5,800	46.8	2,098	16.9	4,265	34.4	103	0.8	140	1.1	.	-

IRRIGATION

6.5.1: 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	
District	Number	Percent	Number	%	Number	%
Lushoto	7,433	8	86,642	92	94,075	100
Korogwe	6,182	11	50,717	89	56,898	100
Muheza	206	0	41,573	100	41,779	100
Tanga	136	1	15,493	99	15,629	100
Pangani	0	0	13,122	100	13,122	100
Handeni	0	0	52,718	100	52,718	100
Kilindi	1,342	4	32,635	96	33,977	100
Mkinga	502	2	22,079	98	22,581	100
Total	15,801	5	314,978	95	330,779	100

Table 6.5.2: IRRIGATION: Number of Agriculture Households using irrigation by Source of Irrigation Water by region during the 2007/08 agricultural Year

District	**Main Source of Irrigation Water**							
District	**River**	**Borehole**	**Lake**	**Canal**	**Dam**	**Tap Water**	**Well**	**Total**
Lushoto	2,091	0	697	0	0	4,646	0	7,433
Korogwe	5,901	0	0	140	0	140	0	6,182
Muheza	103	0	0	103	0	0	0	206
Tanga	45	0	0	0	0	45	0	91
Pangani	0	0	0	0	0	0	0	0
Handeni	0	0	0	0	0	0	0	0
Kilindi	168	0	84	419	0	503	0	1,175
Mkinga	279	0	0	167	0	56	0	502
Total	8,586	0	781	830	0	5,391	0	15,588

Table 6.5.3 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**
Lushoto	6,039	697	0	697	0	7,433
Korogwe	6,041	140	0	0	0	6,182
Muheza	0	206	0	0	0	206
Tanga	0	45	0	45	0	91
Pangani	0	0	0	0	0	0
Handeni	0	0	0	0	0	0
Kilindi	503	671	0	0	0	1,175
Mkinga	112	390	0	0	0	502
Total	12,695	2,150	0	742	0	15,588

EROSION CONTROL

6.6.1 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	%
Lushoto	32,752	34.8	61,323	65.2	94,075	100.00
Korogwe	5,058	8.9	51,840	91.1	56,898	100.00
Muheza	2,269	5.4	39,510	94.6	41,779	100.00
Tanga	45	0.3	15,584	99.7	15,629	100.00
Pangani	182	1.4	12,939	98.6	13,122	100.00
Handeni	2,734	5.2	49,984	94.8	52,718	100.00
Kilindi	5,285	15.6	28,692	84.4	33,977	100.00
Mkinga	1,115	4.9	21,466	95.1	22,581	100.00
Total	49,441	14.9	281,338	85.1	330,779	100.00

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

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	
	Number	%	Number	%	Number	%
Lushoto	21,138	22	72,937	78	94,075	100
Korogwe	1,405	2	55,493	98	56,898	100
Muheza	2,476	6	39,303	94	41,779	100
Tanga	91	1	15,539	99	15,629	100
Pangani	73	1	13,049	99	13,122	100
Handeni	391	1	52,327	99	52,718	100
Kilindi	1,342	4	32,635	96	33,977	100
Mkinga	502	2	22,079	98	22,581	100
Total	27,417	8	303,362	92	330,779	100

6.6.3 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
Lushoto	109,638	14,634	0	50,174	4,413	1,394	9,756	4,878
Korogwe	3,934	1,124	562	562	36,527	0	0	421
Muheza	825	4,539	413	8,253	11,657	0	619	103
Tanga	0	0	0	0	0	0	0	0
Pangani	0	656	0	0	0	0	0	0
Handeni	0	521	0	0	260	0	0	0
Kilindi	3,691	419	1,007	503	0	0	587	336
Mkinga	0	1,450	0	16,727	0	892	56	0
Total	118,089	23,343	1,981	76,218	52,858	2,286	11,018	5,738

AGRICULTURE CREDIT

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	%
Lushoto	0	0.0	94,075	100.0	94,075	100
Korogwe	281	0.5	56,617	99.5	56,898	100
Muheza	309	0.7	41,470	99.3	41,779	100
Tanga	91	0.6	15,539	99.4	15,629	100
Pangani	36	0.3	13,085	99.7	13,122	100
Handeni	0	0.0	52,718	100.0	52,718	100
Kilindi	336	1.0	33,641	99.0	33,977	100
Mkinga	446	2.0	22,135	98.0	22,581	100
Total	1,499	0.5	329,280	99.5	330,779	100

7b AGRICULTURE CREDIT: Number of Credits by sex of the household Member receiving credit During the 2007/08 Agriculture Year - TANGA REGION

District	Male		Female		Total	
	Number	%	Number	%	Number	%
Lushoto	0	0	0	0	0	0
Korogwe	140	50	140	50	281	100
Muheza	103	33	206	67	309	100
Tanga	91	100	0	0	91	100
Pangani	36	100	0	0	36	100
Handeni	0	0	0	0	0	0
Kilindi	252	75	84	25	336	100
Mkinga	335	75	112	25	446	100
Total	957	64	542	36	1,499	100

7d AGRICULTURE CREDIT: Number of Households Reporting the Main reasons for Not Using Credit - TANGA REGION During the 2007/08 Agriculture Year - TANGA REGION

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
Lushoto	2,787	8,362	6,969	1,858	55,516	1,626	232	0	16,725	94,075
Korogwe	7,867	5,760	6,041	1,826	23,883	2,669	0	281	8,289	56,617
Muheza	4,229	3,301	5,055	1,032	21,251	2,682	309	103	3,507	41,470
Tanga	725	1,586	2,265	997	5,708	1,948	0	181	2,129	15,539
Pangani	1,130	1,895	1,057	838	4,848	1,349	109	73	1,786	13,085
Handeni	651	8,851	2,343	1,172	26,814	3,775	1,041	130	7,940	52,718
Kilindi	1,762	7,299	4,362	1,175	9,732	1,510	252	252	7,299	33,641
Mkinga	2,286	3,568	2,620	1,171	7,750	1,227	112	223	3,178	22,135
Total	21,438	40,623	30,712	10,068	155,502	16,786	2,056	1,243	50,853	329,280

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

District	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Trader/trade store		Private individual		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Korogwe	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Muheza	0	0.0	0	0.0	103	50.0	103	0.0	0	0.0	103	50.0	206	100
Tanga	0	0.0	45	100.0	0	0.0	0	0.0	0	0.0	0	0.0	45	100
Pangani	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Handeni	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0
Kilindi	0	0.0	252	100.0	0	0.0	0	0.0	0	0.0	0	0.0	252	100
Mkinga	56	33.3	56	33.3	56	33.3	56	0.0	0	0.0	0	0.0	167	100
Total	56	8.3	353	52.6	159	23.7	159	0.0	0	0.0	130	19.4	671	104

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

District	Family, friend or relative		Bank		Cooperative		Savings & credit Soc		Private individual		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Korogwe	0	0.0	281	100.0	0	0.0	0	0.0	0	0.0	281	100.0
Muheza	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tanga	0	0.0	0	0.0	45	100.0	0	0.0	0	0.0	45	100.0
Pangani	0	0.0	36	100.0	0	0.0	0	0.0	0	0.0	36	100.0
Handeni	260	100.0	0	0.0	0	0.0	0	0.0	0	0.0	260	100.0
Kilindi	0	0.0	168	100.0	0	0.0	0	0.0	0	0.0	168	100.0
Mkinga	56	100.0	0	0.0	0	0.0	0	0.0	0	0.0	56	100.0
Total	316	37.3	485	57.3	45	5.4	0	0.0	0	0.0	847	100.0

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

District	Male		Female		Total	
	Number	%	Number	%	Number	%
Lushoto	0	0	0	0	0	0
Korogwe	140	50	140	50	281	100
Muheza	103	33	206	67	309	100
Tanga	91	100	0	0	91	100
Pangani	36	100	0	0	36	100
Handeni	0	0	0	0	0	0
Kilindi	252	75	84	25	336	100
Mkinga	335	75	112	25	446	100
Total	957	64	542	36	1,499	100

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

District	Male		Female		Total	
	Number	%	Number	%	Number	%
Lushoto	0	0	0	0	0	0
Korogwe	0	0	0	0	0	0
Muheza	103	50	103	50	206	100
Tanga	45	100	0	0	45	100
Pangani	0	0	0	0	0	0
Handeni	0	0	0	0	0	0
Kilindi	0	0	252	100	252	100
Mkinga	112	100	0	0	112	100
Total	260	42	355	58	615	100

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

District	Male		Female		Total	
	Number	%	Number	%	Number	%
Karagwe	232	100	0	0	232	100
Bukoba Rural	0	0	0	0	0	0
Muleba	0	0	0	0	0	0
Biharamulo	45	33	91	67	136	100
Ngara	0	0	0	0	0	0
Bukoba Urban	0	0	130	100	130	100
Missenyi	168	67	84	33	252	100
Chato	112	100	0	0	112	100
Total	557	65	305	35	862	100

CROP EXTENSION

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		Crop Growing Households
	Number	%	Number	%	
Lushoto	78,048	83	15,563	17	93,611
Korogwe	40,461	71	16,297	29	56,758
Muheza	29,400	71	11,863	29	41,263
Tanga	10,102	67	4,938	33	15,040
Pangani	8,675	67	4,337	33	13,012
Handeni	27,726	53	24,732	47	52,457
Kilindi	21,980	66	11,493	34	33,474
Mkinga	10,984	50	10,817	50	21,800
Total	227,375	69	100,040	31	327,415

8.2 : 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	%
Lushoto	5,343	5.7	88,733	94.3	94,075	100
Korogwe	702	1.2	56,196	98.8	56,898	100
Muheza	619	1.5	41,160	98.5	41,779	100
Tanga	136	0.9	15,493	99.1	15,629	100
Pangani	109	0.8	13,012	99.2	13,122	100
Handeni	391	0.7	52,327	99.3	52,718	100
Kilindi	923	2.7	33,054	97.3	33,977	100
Mkinga	112	0.5	22,469	99.5	22,581	100
Total	8,334	2.5	322,445	97.5	330,779	100

8.3 : 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	%
Lushoto	1,161	1.2	92,914	98.8	94,075	100
Korogwe	702	1.2	56,196	98.8	56,898	100
Muheza	103	0.2	41,676	99.8	41,779	100
Tanga	0	0.0	15,629	100.0	15,629	100
Pangani	146	1.1	12,976	98.9	13,122	100
Handeni	391	0.7	52,327	99.3	52,718	100
Kilindi	419	1.2	33,558	98.8	33,977	100
Mkinga	112	0.5	22,469	99.5	22,581	100
Total	3,034	0.9	327,744	99.1	330,779	100

8.4 : EXTENSION MESSAGES: Number of Agriculture Households By Source of Extension Messages By District During the 2007/08 Agriculture Year

District	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/Television/NewsPaper		Neighbour		Other (Specify)		Total Households that received advices
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Lushoto	74,331	95.2	929	1.2	1,394	1.8	232	0.3	6,039	7.7	10,453	13.4	0	0.0	78,048
Korogwe	36,106	89.2	7,165	17.7	1,686	4.2	2,107	5.2	5,620	13.9	12,223	30.2	1,686	4.2	40,461
Muheza	24,861	84.6	2,269	7.7	206	0.7	413	1.4	6,808	23.2	6,086	20.7	103	0.4	29,400
Tanga	8,653	85.7	997	9.9	544	5.4	997	9.9	1,948	19.3	2,446	24.2	181	1.8	10,102
Pangani	7,363	84.9	255	2.9	73	0.8	437	5.0	1,166	13.4	911	10.5	0	0.0	8,675
Handeni	22,779	82.2	2,083	7.5	391	1.4	1,562	5.6	2,213	8.0	6,639	23.9	130	0.5	27,726
Kilindi	19,044	86.6	1,930	8.8	0	0.0	252	1.1	3,691	16.8	3,691	16.8	336	1.5	21,980
Mkinga	10,203	92.9	446	4.1	56	0.5	279	2.5	502	4.6	725	6.6	0	0.0	10,984
Total	203,340	89.4	16,074	7.1	4,349	1.9	6,279	2.8	27,988	12.3	43,174	19.0	2,436	1.1	227,375

8.5 CROP EXTENSION: Number of households receiving extension advice on Spacing 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	%	
Lushoto	66,433	94.7	465	0.7	232	0.3	0	0.0	465	0.7	2,555	3.6	0	0.0	70,150
Korogwe	30,627	80.7	562	1.5	281	0.7	702	1.9	1,124	3.0	4,215	11.1	421	1.1	37,932
Muheza	21,147	86.1	309	1.3	0	0.0	206	0.8	1,238	5.0	1,651	6.7	0	0.0	24,552
Tanga	7,203	85.0	136	1.6	0	0.0	181	2.1	136	1.6	770	9.1	45	0.5	8,471
Pangani	6,780	84.2	0	0.0	0	0.0	146	1.8	656	8.1	474	5.9	0	0.0	8,055
Handeni	19,655	83.0	130	0.5	130	0.5	130	0.5	260	1.1	3,384	14.3	0	0.0	23,690
Kilindi	14,262	83.3	168	1.0	0	0.0	168	1.0	1,091	6.4	1,342	7.8	84	0.5	17,114
Mkinga	9,478	94.4	112	1.1	0	0.0	112	1.1	112	1.1	223	2.2	0	0.0	10,036
Total	175,586	87.8	1,881	0.9	643	0.3	1,645	0.8	5,081	2.5	14,614	7.3	551	0.3	200,001

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	%	
Lushoto	25,551	93.2	232	0.8	0	0.0	0	0.0	465	1.7	1,161	4.2	0	0.0	27,410
Korogwe	15,032	75.9	1,686	8.5	421	2.1	281	1.4	281	1.4	2,107	10.6	0	0.0	19,809
Muheza	8,665	88.4	0	0.0	0	0.0	0	0.0	825	8.4	309	3.2	0	0.0	9,800
Tanga	2,718	87.0	181	5.8	45	1.4	91	2.9	45	1.4	45	1.4	0	0.0	3,126
Pangani	2,041	78.9	36	1.4	0	0.0	109	4.2	401	15.5	0	0.0	0	0.0	2,588
Handeni	7,810	82.2	521	5.5	0	0.0	0	0.0	651	6.8	521	5.5	0	0.0	9,502
Kilindi	5,285	77.8	84	1.2	0	0.0	84	1.2	671	9.9	671	9.9	0	0.0	6,795
Mkinga	5,743	94.5	56	0.9	0	0.0	0	0.0	56	0.9	223	3.7	0	0.0	6,077
Total	72,846	85.6	2,796	3.3	467	0.5	565	0.7	3,395	4.0	5,038	5.9	0	0.0	85,107

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	%	
Lushoto	29,036	89.9	232	0.7	465	1.4	232	0.7	465	1.4	1,858	5.8	0	0.0	32,288
Korogwe	11,801	68.9	2,810	16.4	140	0.8	140	0.8	983	5.7	1,264	7.4	0	0.0	17,140
Muheza	10,006	80.8	309	2.5	0	0.0	0	0.0	1,238	10.0	722	5.8	103	0.8	12,379
Tanga	2,084	80.7	272	10.5	91	3.5	45	1.8	91	3.5	0	0.0	0	0.0	2,582
Pangani	1,458	88.9	73	4.4	0	0.0	0	0.0	109	6.7	0	0.0	0	0.0	1,640
Handeni	4,816	84.1	260	4.5	0	0.0	0	0.0	260	4.5	391	6.8	0	0.0	5,727
Kilindi	4,362	78.8	587	10.6	0	0.0	0	0.0	503	9.1	84	1.5	0	0.0	5,537
Mkinga	3,345	93.8	0	0.0	56	1.6	56	1.6	0	0.0	112	3.1	0	0.0	3,568
Total	66,909	82.7	4,544	5.6	751	0.9	474	0.6	3,650	4.5	4,431	5.5	103	0.1	80,861

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	%	
Lushoto	32,288	88.0	232	0.6	232	0.6	232	0.6	929	2.5	2,787	7.6	0	0.0	36,701
Korogwe	18,123	67.5	2,810	10.5	140	0.5	140	0.5	843	3.1	4,636	17.3	140	0.5	26,833
Muheza	11,451	72.5	413	2.6	0	0.0	309	2.0	1,238	7.8	2,373	15.0	0	0.0	15,783
Tanga	4,213	77.5	181	3.3	91	1.7	136	2.5	181	3.3	634	11.7	0	0.0	5,436
Pangani	2,479	84.0	73	2.5	0	0.0	36	1.2	219	7.4	146	4.9	0	0.0	2,952
Handeni	6,769	86.7	260	3.3	130	1.7	0	0.0	130	1.7	391	5.0	130	1.7	7,810
Kilindi	4,614	75.3	419	6.8	0	0.0	0	0.0	587	9.6	503	8.2	0	0.0	6,124
Mkinga	6,077	91.6	0	0.0	0	0.0	0	0.0	167	2.5	390	5.9	0	0.0	6,635
Total	86,013	79.4	4,389	4.1	594	0.5	855	0.8	4,295	4.0	11,860	11.0	271	0.2	108,275

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	%	
Lushoto	18,351	84.9	232	1.1	232	1.1	232	1.1	1,858	8.6	697	3.2	0	0.0	21,602
Korogwe	14,892	74.1	1,967	9.8	702	3.5	281	1.4	983	4.9	1,264	6.3	0	0.0	20,090
Muheza	5,983	65.2	413	4.5	103	1.1	0	0.0	1,960	21.3	722	7.9	0	0.0	9,181
Tanga	2,446	79.4	45	1.5	181	5.9	181	5.9	91	2.9	136	4.4	0	0.0	3,081
Pangani	1,494	87.2	73	4.3	36	2.1	0	0.0	109	6.4	0	0.0	0	0.0	1,713
Handeni	4,426	79.1	0	0.0	130	2.3	0	0.0	651	11.6	391	7.0	0	0.0	5,597
Kilindi	1,594	73.1	168	7.7	0	0.0	84	3.8	336	15.4	0	0.0	0	0.0	2,181
Mkinga	4,405	94.0	112	2.4	0	0.0	0	0.0	56	1.2	112	2.4	0	0.0	4,683
Total	53,591	78.7	3,009	4.4	1,386	2.0	778	1.1	6,044	8.9	3,321	4.9	0	0.0	68,129

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	%	
Lushoto	29,732	85.9	232	0.7	465	1.3	0	0.0	2,091	6.0	2,091	6.0	0	0.0	34,610
Korogwe	24,586	77.1	1,686	5.3	421	1.3	702	2.2	2,107	6.6	2,248	7.0	140	0.4	31,891
Muheza	12,895	75.8	413	2.4	0	0.0	103	0.6	2,063	12.1	1,547	9.1	0	0.0	17,021
Tanga	5,300	79.1	227	3.4	45	0.7	181	2.7	544	8.1	408	6.1	0	0.0	6,705
Pangani	4,155	91.9	73	1.6	0	0.0	36	0.8	0	0.0	255	5.6	0	0.0	4,520
Handeni	10,934	81.6	521	3.9	130	1.0	130	1.0	781	5.8	911	6.8	0	0.0	13,407
Kilindi	11,577	83.6	587	4.2	0	0.0	0	0.0	1,091	7.9	587	4.2	0	0.0	13,842
Mkinga	8,029	94.1	56	0.7	0	0.0	56	0.7	223	2.6	167	2.0	0	0.0	8,531
Total	107,208	82.1	3,794	2.9	1,062	0.8	1,209	0.9	8,899	6.8	8,214	6.3	140	0.1	130,527

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	%	
Lushoto	5,343	67.6	232	2.9	232	2.9	0	0.0	2,091	26.5	0	0.0	0	0.0	7,898
Korogwe	16,999	69.5	1,405	5.7	983	4.0	843	3.4	2,107	8.6	2,107	8.6	0	0.0	24,445
Muheza	7,737	59.1	825	6.3	103	0.8	206	1.6	3,611	27.6	619	4.7	0	0.0	13,101
Tanga	3,488	76.2	91	2.0	45	1.0	272	5.9	589	12.9	91	2.0	0	0.0	4,576
Pangani	2,187	88.2	0	0.0	0	0.0	109	4.4	109	4.4	73	2.9	0	0.0	2,479
Handeni	9,763	83.3	521	4.4	130	1.1	130	1.1	260	2.2	911	7.8	0	0.0	11,715
Kilindi	8,138	79.5	671	6.6	0	0.0	84	0.8	336	3.3	1,007	9.8	0	0.0	10,235
Mkinga	5,576	97.1	56	1.0	0	0.0	0	0.0	0	0.0	112	1.9	0	0.0	5,743
Total	59,229	73.9	3,801	4.7	1,494	1.9	1,644	2.1	9,103	11.4	4,919	6.1	0	0.0	80,191

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	%	
Lushoto	12,079	78.8	232	1.5	0	0.0	0	0.0	1,394	9.1	1,626	10.6	0	0.0	15,331
Korogwe	12,925	71.3	702	3.9	983	5.4	702	3.9	562	3.1	2,107	11.6	140	0.8	18,123
Muheza	3,507	52.3	309	4.6	0	0.0	0	0.0	2,166	32.3	722	10.8	0	0.0	6,705
Tanga	1,223	55.1	91	4.1	0	0.0	181	8.2	453	20.4	227	10.2	45	2.0	2,220
Pangani	510	77.8	0	0.0	0	0.0	73	11.1	36	5.6	36	5.6	0	0.0	656
Handeni	4,165	78.0	0	0.0	260	4.9	130	2.4	391	7.3	391	7.3	0	0.0	5,337
Kilindi	4,195	68.5	419	6.8	0	0.0	0	0.0	503	8.2	1,007	16.4	0	0.0	6,124
Mkinga	2,230	95.2	0	0.0	0	0.0	0	0.0	0	0.0	112	4.8	0	0.0	2,342
Total	40,835	71.8	1,754	3.1	1,244	2.2	1,087	1.9	5,505	9.7	6,227	11.0	186	0.3	56,838

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	%	
Lushoto	26,480	75.0	232	0.7	232	0.7	0	0.0	2,323	6.6	6,039	17.1	0	0.0	35,307
Korogwe	18,966	67.2	1,545	5.5	702	2.5	421	1.5	1,405	5.0	3,934	13.9	1,264	4.5	28,238
Muheza	10,006	79.5	206	1.6	103	0.8	0	0.0	1,547	12.3	722	5.7	0	0.0	12,585
Tanga	2,582	68.7	91	2.4	45	1.2	136	3.6	544	14.5	362	9.6	0	0.0	3,760
Pangani	2,770	90.5	0	0.0	36	1.2	73	2.4	36	1.2	146	4.8	0	0.0	3,062
Handeni	10,023	86.5	391	3.4	0	0.0	391	3.4	391	3.4	391	3.4	0	0.0	11,585
Kilindi	12,165	80.1	587	3.9	0	0.0	0	0.0	1,594	10.5	839	5.5	0	0.0	15,185
Mkinga	5,297	95.0	56	1.0	0	0.0	56	1.0	0	0.0	167	3.0	0	0.0	5,576
Total	88,289	76.6	3,108	2.7	1,120	1.0	1,077	0.9	7,840	6.8	12,600	10.9	1,264	1.1	115,298

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	%	
Lushoto	5,110	52.4	232	2.4	0	0.0	232	2.4	929	9.5	3,252	33.3	0	0.0	9,756
Korogwe	9,975	50.4	1,826	9.2	421	2.1	140	0.7	702	3.5	6,603	33.3	140	0.7	19,809
Muheza	7,840	73.1	103	1.0	103	1.0	0	0.0	516	4.8	2,166	20.2	0	0.0	10,728
Tanga	3,171	69.3	181	4.0	0	0.0	136	3.0	181	4.0	815	17.8	91	2.0	4,576
Pangani	2,989	92.1	109	3.4	0	0.0	0	0.0	0	0.0	146	4.5	0	0.0	3,244
Handeni	8,591	68.7	521	4.2	130	1.0	781	6.3	0	0.0	2,473	19.8	0	0.0	12,496
Kilindi	8,222	83.1	168	1.7	0	0.0	0	0.0	503	5.1	1,007	10.2	0	0.0	9,899
Mkinga	6,077	94.8	56	0.9	0	0.0	0	0.0	167	2.6	112	1.7	0	0.0	6,412
Total	51,975	67.6	3,197	4.2	655	0.9	1,290	1.7	2,999	3.9	16,574	21.5	231	0.3	76,920

AGRICULTURE CONSRAINTS

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

District	Constraint																	
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility		Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs		Extension Services	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	6,272	6.7	1,626	1.7	24,854	26.4	4,413	4.7	5,807	6.2	2,091	2.2	1,394	1.5	8,595	9.1	2,091	2.2
Korogwe	7,024	12.3	1,124	2.0	20,090	35.3	2,107	3.7	4,496	7.9	281	.5	421	.7	3,934	6.9	140	.2
Muheza	4,333	10.4	1,032	2.5	12,482	30.0	825	2.0	2,166	5.2	206	.5	206	.5	1,547	3.7	1,032	2.5
Tanga	770	4.9	408	2.6	5,074	32.5	181	1.2	1,178	7.5	227	1.4	136	.9	1,268	8.1	272	1.7
Pangani	802	6.1	73	.6	4,957	37.8	0	.0	401	3.1	36	.3	109	.8	765	5.8	693	5.3
Handeni	2,473	4.7	260	.5	25,773	48.9	3,124	5.9	2,734	5.2	391	.7	391	.7	1,562	3.0	1,562	3.0
Kilindi	1,342	4.0	419	1.2	10,990	32.3	1,175	3.5	2,013	5.9	0	.0	419	1.2	1,426	4.2	2,097	6.2
Mkinga	1,840	8.1	390	1.7	5,854	25.9	725	3.2	390	1.7	446	2.0	279	1.2	948	4.2	167	.7
Total	24,856	7.5	5,332	1.6	110,075	33.3	12,551	3.8	19,185	5.8	3,677	1.1	3,355	1.0	20,046	6.1	8,054	2.4

…cont.Table 9.11.1 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Hunting and Gathering		Access to Potable Water		Access to Credit		Access to Off Farm Income		Threshing		Crop Storage		Crop Processing		Marketing Information		Higher Transport Costs	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	232	.2	2,323	2.5	9,059	9.6	1,626	1.7	232	.2	465	.5	0	.0	232	.2	0	.0
Korogwe	0	.0	140	.2	3,231	5.7	2,388	4.2	0	.0	0	.0	421	.7	562	1.0	0	.0
Muheza	0	.0	722	1.7	2,476	5.9	722	1.7	103	.2	0	.0	0	.0	722	1.7	206	.5
Tanga	0	.0	680	4.3	634	4.1	317	2.0	0	.0	0	.0	0	.0	45	.3	45	.3
Pangani	0	.0	219	1.7	911	6.9	73	.6	0	.0	36	.3	0	.0	109	.8	0	.0
Handeni	0	.0	521	1.0	3,384	6.4	911	1.7	130	.2	260	.5	0	.0	391	.7	130	.2
Kilindi	0	.0	336	1.0	3,440	10.1	419	1.2	0	.0	84	.2	0	.0	587	1.7	419	1.2
Mkinga	0	.0	502	2.2	781	3.5	390	1.7	0	.0	56	.2	0	.0	0	.0	0	.0
Total	232	.1	5,442	1.6	23,916	7.2	6,847	2.1	466	.1	901	.3	421	.1	2,649	.8	801	.2

…cont.Table 9.11.1 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIRST most important Constraint by District, 2007/08 Agricultural Year

District	Constraint													
	Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation		Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	697	.7	0	.0	697	.7	232	.2	20,906	22.2	232	.2	94,075	100.0
Korogwe	1,686	3.0	562	1.0	843	1.5	281	.5	6,884	12.1	281	.5	56,898	100.0
Muheza	3,714	8.9	1,032	2.5	1,960	4.7	0	.0	6,189	14.9	0	.0	41,676	100.0
Tanga	1,540	9.9	362	2.3	136	.9	45	.3	2,084	13.3	227	1.4	15,629	100.0
Pangani	2,479	18.9	328	2.5	437	3.3	0	.0	620	4.7	73	.6	13,122	100.0
Handeni	4,165	7.9	260	.5	911	1.7	0	.0	3,124	5.9	260	.5	52,718	100.0
Kilindi	1,594	4.7	0	.0	2,097	6.2	0	.0	4,614	13.6	503	1.5	33,977	100.0
Mkinga	4,628	20.5	223	1.0	613	2.7	0	.0	4,349	19.3	0	.0	22,581	100.0
Total	20,502	6.2	2,767	.8	7,695	2.3	559	.2	48,770	14.7	1,576	.5	330,676	100.0

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

District	Constraint																	
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility		Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs		Extension Services	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	1,394	1.5	1,394	1.5	10,917	11.6	11,614	12.3	14,402	15.3	2,787	3.0	2,787	3.0	16,725	17.8	4,413	4.7
Korogwe	1,826	3.2	1,826	3.2	10,818	19.0	6,603	11.6	9,975	17.5	2,950	5.2	1,545	2.7	5,760	10.1	1,686	3.0
Muheza	2,166	5.2	309	.7	6,602	15.8	2,992	7.2	4,952	11.9	103	.2	619	1.5	3,920	9.4	3,095	7.4
Tanga	408	2.6	362	2.3	2,628	16.8	317	2.0	1,903	12.2	589	3.8	408	2.6	1,857	11.9	634	4.1
Pangani	73	.6	146	1.1	2,406	18.3	73	.6	2,479	18.9	36	.3	510	3.9	1,276	9.7	474	3.6
Handeni	0	.0	260	.5	10,804	20.5	3,124	5.9	14,449	27.4	781	1.5	1,692	3.2	6,118	11.6	2,473	4.7
Kilindi	252	.7	84	.2	6,879	20.2	1,762	5.2	4,698	13.8	587	1.7	1,007	3.0	2,936	8.6	2,097	6.2
Mkinga	446	2.0	335	1.5	4,293	19.0	613	2.7	1,505	6.7	613	2.7	669	3.0	2,342	10.4	669	3.0
Total	6,565	2.0	4,717	1.4	55,347	16.7	27,098	8.2	54,361	16.4	8,448	2.6	9,238	2.8	40,934	12.4	15,542	4.7

…cont. 9.11.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Access to Forest Resources		Hunting and Gathering		Access to Potable Water		Access to Credit		Access to Off Farm Income		Threshing		Harvesting		Crop Storage		Crop Processing	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	.0	0	.0	3,717	4.0	8,827	9.4	4,646	4.9	697	.7	0	.0	1,394	1.5	0	.0
Korogwe	0	.0	0	.0	702	1.2	2,529	4.4	1,967	3.5	0	.0	0	.0	140	.2	0	.0
Muheza	103	.2	0	.0	722	1.7	2,269	5.4	413	1.0	103	.2	0	.0	619	1.5	206	.5
Tanga	45	.3	0	.0	362	2.3	1,404	9.0	362	2.3	0	.0	0	.0	45	.3	0	.0
Pangani	0	.0	36	.3	328	2.5	1,349	10.3	73	.6	0	.0	0	.0	73	.6	36	.3
Handeni	0	.0	0	.0	1,822	3.5	3,124	5.9	911	1.7	0	.0	0	.0	260	.5	0	.0
Kilindi	0	.0	0	.0	839	2.5	3,775	11.1	755	2.2	0	.0	0	.0	168	.5	0	.0
Mkinga	0	.0	0	.0	390	1.7	1,059	4.7	390	1.7	167	.7	56	.2	56	.2	56	.2
Total	148	.0	36	.0	8,883	2.7	24,337	7.4	9,517	2.9	967	.3	56	.0	2,755	.8	299	.1

…cont. 9.11.2 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the SECOND most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Marketing Information		Higher Transport Costs		Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation		Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	929	1.0	1,161	1.2	0	.0	0	.0	1,858	2.0	0	.0	4,413	4.7	0	.0	94,075	100.0
Korogwe	0	.0	281	.5	1,826	3.2	1,264	2.2	1,124	2.0	140	.2	3,512	6.2	421	.7	56,898	100.0
Muheza	1,547	3.7	309	.7	3,301	7.9	825	2.0	2,063	5.0	103	.2	4,333	10.4	0	.0	41,676	100.0
Tanga	181	1.2	45	.3	1,133	7.2	544	3.5	680	4.3	45	.3	1,404	9.0	272	1.7	15,629	100.0
Pangani	0	.0	36	.3	1,567	11.9	911	6.9	437	3.3	0	.0	765	5.8	36	.3	13,122	100.0
Handeni	391	.7	0	.0	2,473	4.7	651	1.2	1,302	2.5	0	.0	2,083	4.0	0	.0	52,718	100.0
Kilindi	168	.5	168	.5	2,517	7.4	168	.5	1,930	5.7	0	.0	2,852	8.4	336	1.0	33,977	100.0
Mkinga	167	.7	0	.0	3,067	13.6	1,171	5.2	1,059	4.7	56	.2	3,401	15.1	0	.0	22,581	100.0
Total	3,383	1.0	2,001	.6	15,884	4.8	5,534	1.7	10,453	3.2	345	.1	22,764	6.9	1,065	.3	330,676	100.0

9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility		Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs		Extension Services	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	1,394	1.5	465	.5	6,969	7.4	9,756	10.4	5,110	5.4	3,020	3.2	2,787	3.0	20,673	22.0	8,130	8.6
Korogwe	1,686	3.0	1,686	3.0	5,760	10.1	3,372	5.9	7,165	12.6	1,826	3.2	3,512	6.2	10,537	18.5	2,388	4.2
Muheza	1,341	3.2	413	1.0	4,333	10.4	1,857	4.5	3,301	7.9	516	1.2	1,032	2.5	5,571	13.4	4,333	10.4
Tanga	91	.6	181	1.2	1,903	12.2	453	2.9	770	4.9	45	.3	408	2.6	2,537	16.2	997	6.4
Pangani	73	.6	73	.6	1,422	10.8	36	.3	1,385	10.6	36	.3	911	6.9	2,041	15.6	984	7.5
Handeni	0	.0	0	.0	3,645	6.9	1,172	2.2	7,680	14.6	911	1.7	4,035	7.7	8,982	17.0	6,378	12.1
Kilindi	587	1.7	168	.5	5,034	14.8	1,007	3.0	4,950	14.6	503	1.5	923	2.7	3,272	9.6	2,265	6.7
Mkinga	446	2.0	613	2.7	4,795	21.2	558	2.5	892	4.0	558	2.5	725	3.2	2,007	8.9	669	3.0
Total	5,617	1.7	3,598	1.1	33,859	10.2	18,210	5.5	31,253	9.5	7,416	2.2	14,333	4.3	55,619	16.8	26,144	7.9

…cont. 9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Access to Forest Resources		Hunting and Gathering		Access to Potable Water		Access to Credit		Access to Off Farm Income		Threshing		Harvesting		Crop Storage		Crop Processing	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	.0	232	.2	4,181	4.4	9,291	9.9	4,646	4.9	1,161	1.2	232	.2	697	.7	0	.0
Korogwe	0	.0	0	.0	843	1.5	5,901	10.4	3,512	6.2	0	.0	0	.0	421	.7	0	.0
Muheza	0	.0	103	.2	1,547	3.7	3,198	7.7	1,032	2.5	103	.2	0	.0	619	1.5	103	.2
Tanga	0	.0	0	.0	227	1.4	2,310	14.8	408	2.6	0	.0	0	.0	45	.3	0	.0
Pangani	0	.0	0	.0	328	2.5	1,640	12.5	292	2.2	73	.6	0	.0	146	1.1	0	.0
Handeni	0	.0	0	.0	1,562	3.0	7,420	14.1	1,953	3.7	0	.0	0	.0	260	.5	0	.0
Kilindi	84	.2	0	.0	1,007	3.0	3,691	10.9	1,007	3.0	84	.2	84	.2	419	1.2	84	.2
Mkinga	0	.0	0	.0	725	3.2	1,059	4.7	56	.2	56	.2	0	.0	223	1.0	0	.0
Total	84	.0	335	.1	10,420	3.2	34,511	10.4	12,904	3.9	1,477	.4	316	.1	2,831	.9	187	.1

…cont.9.11.3 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the THIRD most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Marketing Information		Higher Transport Costs		Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation		Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	1,394	1.5	2,787	3.0	1,626	1.7	0	.0	2,323	2.5	0	.0	7,201	7.7	0	.0	94,075	100.0
Korogwe	562	1.0	0	.0	2,248	4.0	702	1.2	1,405	2.5	281	.5	2,950	5.2	140	.2	56,898	100.0
Muheza	1,754	4.2	413	1.0	1,960	4.7	2,579	6.2	1,754	4.2	0	.0	3,817	9.2	0	.0	41,676	100.0
Tanga	181	1.2	0	.0	1,404	9.0	634	4.1	1,087	7.0	45	.3	1,586	10.1	317	2.0	15,629	100.0
Pangani	109	.8	0	.0	1,531	11.7	875	6.7	620	4.7	0	.0	474	3.6	73	.6	13,122	100.0
Handeni	521	1.0	781	1.5	2,473	4.7	781	1.5	1,172	2.2	0	.0	2,473	4.7	521	1.0	52,718	100.0
Kilindi	1,426	4.2	0	.0	2,433	7.2	336	1.0	1,510	4.4	0	.0	2,433	7.2	671	2.0	33,977	100.0
Mkinga	167	.7	223	1.0	3,401	15.1	1,171	5.2	1,338	5.9	56	.2	2,732	12.1	112	.5	22,581	100.0
Total	6,114	1.8	4,204	1.3	17,076	5.2	7,078	2.1	11,208	3.4	382	.1	23,665	7.2	1,834	.6	######	100.0

9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility		Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs		Extension Services	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	929	1.0	232	.2	8,595	9.1	5,575	5.9	5,110	5.4	2,555	2.7	2,091	2.2	10,221	10.9	7,201	7.7
Korogwe	1,967	3.5	983	1.7	3,653	6.4	2,950	5.2	3,231	5.7	2,107	3.7	1,545	2.7	7,305	12.8	4,636	8.1
Muheza	1,238	3.0	206	.5	3,817	9.2	516	1.2	2,888	6.9	413	1.0	1,651	4.0	3,714	8.9	4,436	10.6
Tanga	181	1.2	136	.9	1,721	11.0	227	1.4	272	1.7	227	1.4	272	1.7	1,404	9.0	815	5.2
Pangani	109	.8	146	1.1	1,458	11.1	109	.8	838	6.4	73	.6	583	4.4	838	6.4	1,093	8.3
Handeni	130	.2	260	.5	4,556	8.6	1,562	3.0	4,426	8.4	521	1.0	1,432	2.7	5,077	9.6	3,775	7.2
Kilindi	419	1.2	84	.2	3,020	8.9	1,091	3.2	3,272	9.6	587	1.7	923	2.7	2,685	7.9	2,433	7.2
Mkinga	390	1.7	558	2.5	1,896	8.4	1,115	4.9	613	2.7	279	1.2	390	1.7	3,122	13.8	1,673	7.4
Total	5,364	1.6	2,606	.8	28,715	8.7	13,144	4.0	20,651	6.2	6,761	2.0	8,886	2.7	34,366	10.4	26,062	7.9

…cont 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Access to Forest Resources		Hunting and Gathering		Access to Potable Water		Access to Credit		Access to Off Farm Income		Threshing		Harvesting		Crop Storage		Crop Processing	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	.0	232	.2	3,484	3.7	10,685	11.4	4,413	4.7	697	.7	0	.0	5,343	5.7	697	.7
Korogwe	140	.2	0	.0	421	.7	5,901	10.4	4,215	7.4	140	.2	0	.0	702	1.2	0	.0
Muheza	0	.0	103	.2	1,444	3.5	3,404	8.2	1,135	2.7	103	.2	0	.0	1,135	2.7	309	.7
Tanga	0	.0	0	.0	317	2.0	2,401	15.4	408	2.6	45	.3	45	.3	45	.3	0	.0
Pangani	0	.0	36	.3	292	2.2	2,296	17.5	364	2.8	0	.0	0	.0	328	2.5	0	.0
Handeni	0	.0	0	.0	2,083	4.0	7,029	13.3	4,165	7.9	0	.0	130	.2	3,775	7.2	0	.0
Kilindi	0	.0	0	.0	755	2.2	4,698	13.8	2,097	6.2	84	.2	0	.0	839	2.5	0	.0
Mkinga	56	.2	0	.0	1,115	4.9	1,171	5.2	390	1.7	223	1.0	0	.0	223	1.0	223	1.0
Total	196	.1	372	.1	9,911	3.0	37,585	11.4	17,188	5.2	1,293	.4	175	.1	12,390	3.7	1,229	.4

…cont. 9.11.4 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FOURTH most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Marketing Information		Higher Transport Costs		Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation		Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	3,484	3.7	3,020	3.2	929	1.0	465	.5	10,221	10.9	232	.2	7,433	7.9	232	.2	94,075	100.0
Korogwe	1,686	3.0	1,124	2.0	4,496	7.9	2,388	4.2	1,405	2.5	281	.5	5,479	9.6	140	.2	56,898	100.0
Muheza	3,404	8.2	1,341	3.2	2,373	5.7	1,651	4.0	2,785	6.7	0	.0	3,507	8.4	103	.2	41,676	100.0
Tanga	634	4.1	45	.3	2,582	16.5	498	3.2	1,223	7.8	0	.0	1,948	12.5	181	1.2	15,629	100.0
Pangani	474	3.6	73	.6	2,078	15.8	583	4.4	765	5.8	0	.0	474	3.6	109	.8	13,122	100.0
Handeni	2,734	5.2	260	.5	5,597	10.6	1,432	2.7	1,432	2.7	0	.0	1,953	3.7	391	.7	52,718	100.0
Kilindi	1,510	4.4	252	.7	3,356	9.9	336	1.0	2,013	5.9	0	.0	2,601	7.7	923	2.7	33,977	100.0
Mkinga	223	1.0	223	1.0	2,620	11.6	1,115	4.9	2,119	9.4	56	.2	2,342	10.4	446	2.0	22,581	100.0
Total	14,149	4.3	6,338	1.9	24,031	7.3	8,467	2.6	21,963	6.6	569	.2	25,736	7.8	2,526	.8	330,676	100.0

9.11.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Access to Land		Ownership of Land		Poor Soil Cultivation Equipment		Soil Fertility		Access to Improved Seed		Irrigation Facilities		Access to Chemical Inputs		Cost of Inputs		Extension Services	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	1,161	1.2	465	.5	5,110	5.4	6,272	6.7	6,272	6.7	3,252	3.5	1,394	1.5	7,898	8.4	7,898	8.4
Korogwe	1,405	2.5	843	1.5	3,372	5.9	2,529	4.4	4,074	7.2	1,545	2.7	3,231	5.7	5,339	9.4	3,653	6.4
Muheza	928	2.2	516	1.2	2,476	5.9	1,238	3.0	2,682	6.4	722	1.7	1,547	3.7	5,467	13.1	2,785	6.7
Tanga	408	2.6	181	1.2	815	5.2	317	2.0	725	4.6	227	1.4	362	2.3	1,087	7.0	408	2.6
Pangani	109	.8	109	.8	911	6.9	73	.6	1,750	13.3	0	.0	693	5.3	1,057	8.1	765	5.8
Handeni	260	.5	391	.7	2,083	4.0	1,041	2.0	2,994	5.7	781	1.5	1,172	2.2	3,515	6.7	3,254	6.2
Kilindi	168	.5	252	.7	2,601	7.7	1,175	3.5	2,936	8.6	923	2.7	1,594	4.7	2,852	8.4	2,433	7.2
Mkinga	446	2.0	446	2.0	2,174	9.6	1,171	5.2	1,394	6.2	558	2.5	1,004	4.4	2,844	12.6	2,230	9.9
Total	4,886	1.5	3,202	1.0	19,542	5.9	13,815	4.2	22,826	6.9	8,007	2.4	10,996	3.3	30,058	9.1	23,426	7.1

…cont 9.11.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Access to Forest Resources		Hunting and Gathering		Access to Potable Water		Access to Credit		Access to Off Farm Income		Threshing		Harvesting		Crop Storage		Crop Processing	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	**232**	**.2**	**232**	**.2**	**3,020**	**3.2**	**9,524**	**10.1**	**4,878**	**5.2**	**1,394**	**1.5**	**0**	**.0**	**3,020**	**3.2**	**697**	**.7**
Korogwe	**140**	**.2**	**140**	**.2**	**1,545**	**2.7**	**3,934**	**6.9**	**4,074**	**7.2**	**140**	**.2**	**0**	**.0**	**421**	**.7**	**0**	**.0**
Muheza	**103**	**.2**	**0**	**.0**	**1,857**	**4.5**	**4,229**	**10.1**	**928**	**2.2**	**413**	**1.0**	**0**	**.0**	**825**	**2.0**	**103**	**.2**
Tanga	**0**	**.0**	**0**	**.0**	**272**	**1.7**	**1,721**	**11.0**	**453**	**2.9**	**45**	**.3**	**0**	**.0**	**91**	**.6**	**0**	**.0**
Pangani	**0**	**.0**	**0**	**.0**	**255**	**1.9**	**1,130**	**8.6**	**146**	**1.1**	**0**	**.0**	**0**	**.0**	**109**	**.8**	**73**	**.6**
Handeni	**0**	**.0**	**0**	**.0**	**1,302**	**2.5**	**7,680**	**14.6**	**2,473**	**4.7**	**391**	**.7**	**0**	**.0**	**3,775**	**7.2**	**0**	**.0**
Kilindi	**0**	**.0**	**84**	**.2**	**839**	**2.5**	**2,936**	**8.6**	**1,342**	**4.0**	**168**	**.5**	**0**	**.0**	**503**	**1.5**	**84**	**.2**
Mkinga	**0**	**.0**	**56**	**.2**	**836**	**3.7**	**1,561**	**6.9**	**836**	**3.7**	**0**	**.0**	**167**	**.7**	**56**	**.2**	**112**	**.5**
Total	476	.1	512	.2	9,926	3.0	32,716	9.9	15,131	4.6	2,550	.8	167	.1	8,800	2.7	1,068	.3

…cont 9.11.5 AGRICULTURE CONSTRAINTS: Number of Agricultural Households Reporting the FIFTH most important Constraint by District, 2007/08 Agricultural Year

District	Constraint																	
	Marketing Information		Higher Transport Costs		Destruction by Animals		Stealing		Pest and Disease		Local Government Taxation		Extended dry spell		Crop Farmers/Livestock keepers Conflicts		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	**5,807**	**6.2**	**1,626**	**1.7**	**1,858**	**2.0**	**1,161**	**1.2**	**5,343**	**5.7**	**929**	**1.0**	**14,402**	**15.3**	**232**	**.2**	**94,075**	**100.0**
Korogwe	**843**	**1.5**	**1,264**	**2.2**	**4,636**	**8.1**	**3,793**	**6.7**	**2,669**	**4.7**	**281**	**.5**	**6,462**	**11.4**	**562**	**1.0**	**56,898**	**100.0**
Muheza	**4,333**	**10.4**	**1,135**	**2.7**	**2,373**	**5.7**	**1,857**	**4.5**	**2,476**	**5.9**	**413**	**1.0**	**2,063**	**5.0**	**206**	**.5**	**41,676**	**100.0**
Tanga	**1,042**	**6.7**	**227**	**1.4**	**1,857**	**11.9**	**1,359**	**8.7**	**1,857**	**11.9**	**45**	**.3**	**1,767**	**11.3**	**362**	**2.3**	**15,629**	**100.0**
Pangani	**838**	**6.4**	**109**	**.8**	**2,551**	**19.4**	**401**	**3.1**	**1,203**	**9.2**	**0**	**.0**	**401**	**3.1**	**437**	**3.3**	**13,122**	**100.0**
Handeni	**2,083**	**4.0**	**1,432**	**2.7**	**6,899**	**13.1**	**2,603**	**4.9**	**2,864**	**5.4**	**0**	**.0**	**4,946**	**9.4**	**781**	**1.5**	**52,718**	**100.0**
Kilindi	**2,349**	**6.9**	**84**	**.2**	**2,936**	**8.6**	**923**	**2.7**	**2,433**	**7.2**	**168**	**.5**	**3,188**	**9.4**	**1,007**	**3.0**	**33,977**	**100.0**
Mkinga	**223**	**1.0**	**279**	**1.2**	**1,282**	**5.7**	**669**	**3.0**	**1,896**	**8.4**	**0**	**.0**	**1,840**	**8.1**	**502**	**2.2**	**22,581**	**100.0**
Total	17,518	5.3	6,155	1.9	24,393	7.4	12,767	3.9	20,740	6.3	1,836	.6	35,069	10.6	4,090	1.2	330,676	100.0

CATTLE PRODUCTION

9.1.1 CATTLE PRODUCTION: Total Number of Households Rearing Cattle by District during 2007/08 Agriculture Year

Districts	Households rearing cattle		Households not rearing cattle		Total Agriculture households	Total Number of Households Rearing Livestock
	Number	%	Number	%		
Lushoto	40,882	52	53,193	67	94,075	79,209
Korogwe	11,380	29	45,518	117	56,898	38,915
Muheza	5,674	16	36,105	104	41,779	34,867
Tanga	2,356	21	13,273	121	15,629	11,008
Pangani	693	7	12,429	131	13,122	9,477
Handeni	5,727	16	46,990	129	52,718	36,317
Kilindi	4,446	22	29,531	145	33,977	20,386
Mkinga	3,513	22	19,068	120	22,581	15,890
Total	74,670	30	256,109	104	330,779	246,070

9.1.2 CATTLE PRODUCTION: Number of Cattle by Type and District as of 1st October 2008

Districts	Indigenous			Improved Beef			Improved Dairy			Total		
	Number of households	Number of Cattle	Percentage	Number of households	Number of Cattle	%	Number of households	Number of Cattle	%	Number of households	Number of Cattle	%
Lushoto	33,449	70,847	78	232	465	0.5	9,524	19,976	22	40,882	91,288	100
Korogwe	10,396	100,450	97	281	421	0.4	1,264	2,669	3	11,380	103,540	100
Muheza	3,507	20,528	66	413	825	2.7	3,095	9,594	31	5,674	30,947	100
Tanga	1,314	39,685	86	45	136	0.3	1,586	6,252	14	2,356	46,072	100
Pangani	474	27,628	98	0	0	0.0	255	656	2	693	28,285	100
Handeni	5,597	79,011	99	0	0	0.0	391	651	1	5,727	79,662	100
Kilindi	4,446	184,818	100	84	84	0.0	168	168	0	4,446	185,070	100
Mkinga	3,122	165,147	99	167	446	0.3	446	1,673	1	3,513	167,266	100
Total	62,306	688,114	94	1,222	2,377	0.3	16,728	41,639	6	74,670	732,130	100

9.1.6 CATTLE PRODUCTION: Number of Households rearing cattle, Head of Cattle and Average Head per Household by Herd size During the 2007/08 Agricultural Year

Heard Size		Cattle Rearing Households	%	Heard of Cattle	Average Per Houseold
1 - 5	1 - 5	58,457	78.29	132,435	2.27
6 - 10	6 - 10	6,195	8.30	47,121	7.61
11 - 15	11 - 15	2,662	3.57	34,934	13.12
16 - 20	16 - 20	1,936	2.59	36,458	18.83
21 - 30	21 - 30	1,681	2.25	39,636	23.58
31 - 40	31 - 40	661	.89	23,285	35.21
41 - 50	41 - 50	545	.73	25,329	46.44
51 - 60	51 - 60	650	.87	36,598	56.30
61 -100	61 -100	925	1.24	79,923	86.36
101 -150	101 -150	176	.24	23,824	135.29
151+	151+	781	1.05	252,587	323.48
Total	Total	74,670	100.00	732,130	9.80

9.1.7 CATTLE PRODUCTION: Total Number of Cattle by Type and District, 2007/08 Agricultural Year

Cattle Types	Indigeneous	Improved Beef	Improved Diary	Total Cattle	%
Castrated Bulls (Oxen)	36,935	167	653	37,756	4.58
Uncastrated Bulls	66,658	553	802	68,013	9.99
Cows	267,204	476	19,355	287,035	33.19
Steers	16,240	206	1,184	17,630	3.78
Heifers	127,482	616	6,462	134,560	17.59
Male Calves	86,407	136	7,605	94,148	14.91
Female Calves	87,188	223	5,578	92,989	15.95
Total	688,114	2,377	41,639	732,130	100.00

9.1.8 CATTLE PRODUCTION: Total Number of Cattle by Type and District, 2007/08 Agricultural Year -

Cattle Types	Indigeneous	Improved Beef	Improved Diary	Total Cattle	%
Castrated Bulls (Oxen)	36,935	167	653	37,756	4.58
Uncastrated Bulls	66,658	553	802	68,013	9.99
Cows	267,204	476	19,355	287,035	33.19
Steers	16,240	206	1,184	17,630	3.78
Heifers	127,482	616	6,462	134,560	17.59
Male Calves	86,407	136	7,605	94,148	14.91
Female Calves	87,188	223	5,578	92,989	15.95
Total	688,114	2,377	41,639	732,130	100.00

9.1.11 CATTLE PRODUCTION: Total Number of iImproved Diary Cattle by Category of cattle and District During the 2007/08 Agricultural Year

District	Cattle Type															
	Castrated Bulls (Oxen)		Uncastrated Bulls		Cows		Steers		Heifers		Male Calves		Female Calves		Total	
	Total Cattle	%	Total Cattle	%	Total Cattle	%	Total Cattle	%	Total Cattle	%	Total Cattle	%	Total Cattle	%	Total Cattle	%
Lushoto	232	1	232	1	10,221	46	465	3	2,787	14	3,949	20	2,091	13	19,976	100
Korogwe	0	0	0	0	1,264	47	140	7	140	7	562	20	562	20	2,669	100
Muheza	309	2	413	7	3,301	38	206	2	1,857	19	1,960	21	1,547	12	9,594	100
Tanga	0	0	45	1	3,216	39	227	7	1,133	18	680	14	951	20	6,252	100
Pangani	0	0	0	0	219	25	146	17	182	33	73	17	36	8	656	100
Handeni	0	0	0	0	521	75	0	0	0	0	130	25	0	0	651	100
Kilindi	0	0	0	0	0	0	0	0	84	50	84	50	0	0	168	100
Mkinga	112	5	112	9	613	32	0	0	279	23	167	14	390	18	1,673	100
Total	653	1	802	3	19,355	43	1,184	3	6,462	16	7,605	20	5,578	14	41,639	100

9.1.12 CATTLE PRODUCTION: Total Number Households rearing Cattle and Method of Cattle Identification by District during, 2007/08 Agricultural Year

District	Branding		Cattle Clan		Ear notching		Colour		Earings		Others		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	0	7,201	16	2,091	5	32,055	70	929	2	3,252	7	45,528	100
Korogwe	281	2	1,124	9	4,074	31	5,058	38	421	3	2,248	17	13,206	100
Muheza	413	5	1,651	22	516	7	3,095	41	516	7	1,444	19	7,634	100
Tanga	317	11	498	17	227	8	1,042	35	498	17	408	14	2,990	100
Pangani	182	9	474	25	73	4	255	13	182	9	765	40	1,932	100
Handeni	911	14	391	6	3,254	49	911	14	260	4	911	14	6,639	100
Kilindi	1,426	25	1,342	23	1,762	30	755	13	0	0	503	9	5,789	100
Mkinga	836	22	725	19	613	16	836	22	335	9	390	10	3,736	100
Total	4,367	5	13,405	15	12,609	14	44,007	50	3,142	4	9,922	11	87,452	100

GOAT PRODUCTION

9.3.1 GOAT PRODUCTION: Number of Agriculture Households Rearing Goats by District during the 2007/08 Agricultural Year

District	Raising goats		Not raising goats		Total	Total livestock keeping households
	No of households	%	No of households	%		
Lushoto	20,906	22.2	73,170	77.8	94,075	79,209
Korogwe	15,032	26.4	41,866	73.6	56,898	38,915
Muheza	8,253	19.8	33,526	80.2	41,779	34,867
Tanga	4,213	27.0	11,416	73.0	15,629	11,008
Pangani	2,770	21.1	10,352	78.9	13,122	9,477
Handeni	17,312	32.8	35,405	67.2	52,718	36,317
Kilindi	9,564	28.1	24,413	71.9	33,977	20,386
Mkinga	6300	28	16281	72	22581	15890
Total	84350	26	246428	74	330779	246070

9.3.6 GOAT PRODUCTION: Total Number of Goats by Category and Type of Goat as of 1st October 2008 - TANGA

Category	Indigenous		Improved Meat		Improved Dairy		Total	
	Number	%	Number	%	Number	%	Number	%
Billy Goat	94,488	99	0	0	1,318	1.4	95,805	13
Castrated Goat	27,356	100	0	0	0	0.0	27,356	4
She Goat	382,925	99	0	0	3,533	0.9	386,459	54
Male Kid	98,748	98	0	0	2,473	2.4	101,221	14
She Kid	102,188	95	0	0	5,595	5.2	107,783	15
Total	705,706	98	0	0	12,919	1.8	718,625	100

9.3.2 GOAT PRODUCTION: Number of Goats by Type and District as of 1st October 2008

District	Indigenous			Improved for Meat			Improved Dairy			Total	
	Number of households	Number of Goats	%	Number of households	Number of Goats	%	Number of households	Number of Goats	%	Number of households	Number of Goats
Lushoto	20,906	60,394	100.0	0	0	0.0	0	0	0.0	20,906	60,394
Korogwe	14,751	100,590	95.9	0	0	0.0	281	4,355	4.1	15,032	104,945
Muheza	8,253	62,514	89.6	0	0	0.0	103	7,221	10.4	8,356	69,735
Tanga	4,213	41,633	99.9	0	0	0.0	45	45	0.1	4,258	41,678
Pangani	2,697	33,132	96.7	0	0	0.0	146	1,130	3.3	2,843	34,262
Handeni	17,312	143,444	100.0	0	0	0.0	0	0	0.0	17,312	143,444
Kilindi	9,564	151,764	99.9	0	0	0.0	84	168	0.1	9,648	151,932
Mkinga	6300	112235	100	0	0	0	0	0	0	9648	112235
Total	83996	705706	100	0	0	0	659	12919	0	9648	718625

9.3.9 GOAT PRODUCTION: Total Number of Indigenous Goat by Category and District as of 1st October 2008

District	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%
Lushoto	6,272	10.4	2,323	3.8	36,933	61.2	6,504	10.8	8,362	13.8	60,394	100
Korogwe	12,504	12.4	2,248	2.2	56,055	55.7	15,032	14.9	14,751	14.7	100,590	100
Muheza	6,808	10.9	3,095	5.0	39,716	63.5	6,396	10.2	6,499	10.4	62,514	100
Tanga	4,847	11.6	2,763	6.6	24,554	59.0	4,757	11.4	4,711	11.3	41,633	100
Pangani	5,030	15.2	838	2.5	17,641	53.2	3,973	12.0	5,650	17.1	33,132	100
Handeni	23,690	16.5	1,432	1.0	77,189	53.8	19,135	13.3	21,998	15.3	143,444	100
Kilindi	22,903	15.1	6,963	4.6	74,078	48.8	24,497	16.1	23,322	15.4	151,764	100
Mkinga	12433	11	7694	7	56759	51	18455	16	16894	15	112235	100
Total	94488	13	27356	4	382925	54	98748	14	102188	14	705706	100

9.3.10 GOAT PRODUCTION: Number of Improved Goats for Meat by Category and District as of 1st october 2008

	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
District	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%
Lushoto	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Korogwe	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Muheza	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Tanga	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Pangani	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Handeni	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Kilindi	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mkinga	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0

9.3.10 GOAT PRODUCTION: Number of Improved Goats for Meat by Category and District as of 1st october 2008

	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
District	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%
Rombo	0	0	0	0	0	0	0	0	0	0	0	0
Mwanga	0	0	0	0	0	0	0	0	0	0	0	0
Same	0	0	0	0	0	0	0	0	0	0	0	0
Moshi Rural	423	40.00	0	0	635	60.00	0	0	0	0	1,058	100.00
Hai	87	20.00	0	0	347	80.00	0	0	0	0	434	100.00
Siha	125	50.00	63	25.00	63	25.00	0	0	0	0	250	100.00
Total	635	36.45	63	3.59	1,044	59.96	0	0	0	0	1,742	100.00

9.3.11 GOAT PRODUCTION: Number of Improved Dairy Goats by Category and District as of 1st October 2008

	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Korogwe	0	0	0	0	2950	68	1405	32	0	0	4355	100
Muheza	1032	14	0	0	0	0	1032	14	5158	71	7221	100
Tanga	45	100	0	0	0	0	0	0	0	0	45	100
Pangani	73	6	0	0	583	52	36	3	437	39	1130	100
Handeni	0	0	0	0	0	0	0	0	0	0	0	0
Kilindi	168	100	0	0	0	0	0	0	0	0	168	100
Mkinga	0	0	0	0	0	0	0	0	0	0	0	0
Total	1318	10	0	0	3533	27	2473	19	5595	43	12919	100

9.3.12 GOAT PRODUCTION:Milk Production from Goat By Season and District, During the 2007/08 Agricultural Year

	Number of Milked goat		Average milk production per goat per day		Average number of days goats are milked		Average price per litre per season	
	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season
District	Sum	Sum	Mean	Mean	Mean	Mean	Mean	Mean
Lushoto	697	465	.4	.2	10	8	250	300
Korogwe	1,264	843	1.4	1.6	51	68	350	400
Muheza	309	309	.5	.5	73	65	425	425
Tanga	45	.	.5	.	.	.	.	.
Pangani	547	364	1.0	.6	55	46	660	740
Handeni	3,384	651	1.3	.5	68	36	313	400
Kilindi	587	587	1.3	1.3	55	55	600	600
Mkinga	7,471	6,523	1.6	2.2	66	77	486	629
Total	14,306	9,743	1.1	1.1	53	53	390	473

CATTLE MILK

9.2.1 CATTLE PRODUCTION: Number of Milked Cow by Category of Cattle, Season type and Region, During the 2007/08 Agricultural Year

	Wet Season			Dry Season		
	Improved	Indigenous	Total	Improved	Indigenous	Total
Region	Sum	Sum	Sum	Sum	Sum	Sum
Lushoto	7,201	25,551	32,752	7,665	14,402	22,067
Korogwe	1,124	21,776	22,900	1,686	21,214	22,900
Muheza	2,888	7,221	10,109	2,269	6,086	8,356
Tanga	3,035	11,144	14,180	2,582	11,507	14,089
Pangani	219	7,180	7,399	182	6,087	6,269
Handeni	260	17,442	17,703	130	16,141	16,271
Kilindi	252	50,336	50,588	336	22,316	22,651
Mkinga	725	39,419	40,144	613	37,802	38,415
Total	15,704	180,071	195,774	15,464	135,554	151,018

9.2.2 CATTLE PRODUCTION: Average milk production per cow per day, by Category of Cow, Season and District, During the 2007/08 Agricultural Year

	Wet Season			Dry Season		
	Improved	Indigenous	Total	Improved	Indigenous	Total
Region	Mean	Mean	Mean	Mean	Mean	Mean
Lushoto	5	2	3	4	2	2
Korogwe	6	2	3	4	1	2
Muheza	8	3	6	7	3	5
Tanga	7	2	5	5	2	3
Pangani	5	4	4	3	2	2
Handeni	9	2	3	7	1	2
Kilindi	3	3	3	2	2	2
Mkinga	10	3	4	9	2	3
Total	6	2	3	5	2	2

9.2.3 CATTLE PRODUCTION: Average number of days for cows on milked, by category of Cattle, Season and District, During the 2007/08 Agricultural Year

	Wet Season			Dry Season		
	Improved	Indigenous	Total	Improved	Indigenous	Total
Region	Mean	Mean	Mean	Mean	Mean	Mean
Lushoto	204	111	136	172	83	115
Korogwe	206	176	180	164	148	150
Muheza	173	113	150	185	118	156
Tanga	178	162	172	151	132	143
Pangani	130	161	154	150	146	146
Handeni	180	165	166	180	150	151
Kilindi	105	143	141	120	124	124
Mkinga	197	118	132	195	118	133
Total	192	135	149	171	117	132

9.2.4 CATTLE PRODUCTION: Average Cattle Milk price (Tshs/litre) per season by category of cow and District, During the 2007/08 Agricultural Year

Region	Wet Season			Dry Season		
	Improved	Indigenous	Total	Improved	Indigenous	Total
	Mean	Mean	Mean	Mean	Mean	Mean
Lushoto	311	339	332	354	353	354
Korogwe	517	359	375	517	351	369
Muheza	392	412	399	430	445	437
Tanga	365	358	362	391	416	402
Pangani	467	345	371	450	391	400
Handeni	302	320	319	300	316	316
Kilindi	350	288	291	450	298	309
Mkinga	328	301	305	350	339	340
Total	350	338	341	385	350	360

9.2.5 CATTLE PRODUCTION: Average Cattle Milk price (Tshs/litre) per season by category of cow and District, During the 2007/08 Agricultural Year

Region	Number of milked cows		Average milk production per cow per day		Average number of days for cows on milked		Average price per litre per season	
	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season
Lushoto	32,752	22,067	2.9	2.3	136	115	332	354
Korogwe	22,900	22,900	2.6	1.7	180	150	375	369
Muheza	10,109	8,356	6.3	5.0	150	156	399	437
Tanga	14,180	14,089	4.8	3.4	172	143	362	402
Pangani	7,399	6,269	4.3	2.3	154	146	371	400
Handeni	17,703	16,271	2.5	1.6	166	151	319	316
Kilindi	50,588	22,651	2.7	1.8	141	124	291	309
Mkinga	40,144	38,415	4.3	3.3	132	133	305	340
Total	195,774	151,018	3.3	2.4	149	132	341	360

9.2.5 CATTLE PRODUCTION: Average Cattle Milk price (Tshs/litre) per season by category of cow and District, During the 2007/08 Agricultural Year

District	Number of milked cows		Average milk production per cow per day (lts)		Average number of days cows milked		Average price per litre per season (Tshs)	
	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season
Lushoto	32,752	22,067	2.9	2.3	136	115	334	360
Korogwe	22,900	22,900	2.6	1.7	180	150	375	369
Muheza	10,109	8,356	6.3	5.0	150	156	399	437
Tanga	14,180	14,089	4.8	3.4	172	143	362	402
Pangani	7,399	6,269	4.3	2.3	154	146	371	400
Handeni	17,703	16,271	2.5	1.6	166	151	319	316
Kilindi	50,588	22,651	2.7	1.8	141	124	291	309
Mkinga	40,144	38,415	4.3	3.3	132	133	305	340
Total	195,774	151,018	3.3	2.4	149	132	342	363

GOAT PRODUCTION

9.3.1 GOAT PRODUCTION: Number of Agriculture Households Rearing Goats by District during the 2007/08 Agricultural Year

District	Raising goats		Not raising goats		Total	Total livestock keeping households
	No of households	%	No of households	%		
Lushoto	20,906	22.2	73,170	77.8	94,075	79,209
Korogwe	15,032	26.4	41,866	73.6	56,898	38,915
Muheza	8,253	19.8	33,526	80.2	41,779	34,867
Tanga	4,213	27.0	11,416	73.0	15,629	11,008
Pangani	2,770	21.1	10,352	78.9	13,122	9,477
Handeni	17,312	32.8	35,405	67.2	52,718	36,317
Kilindi	9,564	28.1	24,413	71.9	33,977	20,386
Mkinga	6300	28	16281	72	22581	15890
Total	84350	26	246428	74	330779	246070

9.3.2 GOAT PRODUCTION: Number of Goats by Type and District as of 1st October 2008

District	Indigenous			Improved for Meat			Improved Dairy			Total	
	Number of households	Number of Goats	%	Number of households	Number of Goats	%	Number of households	Number of Goats	%	Number of households	Number of Goats
Lushoto	20,906	60,394	100.0	0	0	0.0	0	0	0.0	20,906	60,394
Korogwe	14,751	100,590	95.9	0	0	0.0	281	4,355	4.1	15,032	104,945
Muheza	8,253	62,514	89.6	0	0	0.0	103	7,221	10.4	8,356	69,735
Tanga	4,213	41,633	99.9	0	0	0.0	45	45	0.1	4,258	41,678
Pangani	2,697	33,132	96.7	0	0	0.0	146	1,130	3.3	2,843	34,262
Handeni	17,312	143,444	100.0	0	0	0.0	0	0	0.0	17,312	143,444
Kilindi	9,564	151,764	99.9	0	0	0.0	84	168	0.1	9,648	151,932
Mkinga	6300	112235	100	0	0	0	0	0	0	9648	112235
Total	83996	705706	100	0	0	0	659	12919	0	9648	718625

9.3.6 GOAT PRODUCTION: Total Number of Goats by Category and Type of Goat as of 1st October 2008 - TANGA

Category	Indigenous		Improved Meat		Improved Dairy		Total	
	Number	%	Number	%	Number	%	Number	%
Billy Goat	94,488	99	0	0	1,318	1.4	95,805	13
Castrated Goat	27,356	100	0	0	0	0.0	27,356	4
She Goat	382,925	99	0	0	3,533	0.9	386,459	54
Male Kid	98,748	98	0	0	2,473	2.4	101,221	14
She Kid	102,188	95	0	0	5,595	5.2	107,783	15
Total	705,706	98	0	0	12,919	1.8	718,625	100

9.3.9 GOAT PRODUCTION: Total Number of Indigenous Goat by Category and District as of 1st October 2008

District	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%
Lushoto	6,272	10.4	2,323	3.8	36,933	61.2	6,504	10.8	8,362	13.8	60,394	100
Korogwe	12,504	12.4	2,248	2.2	56,055	55.7	15,032	14.9	14,751	14.7	100,590	100
Muheza	6,808	10.9	3,095	5.0	39,716	63.5	6,396	10.2	6,499	10.4	62,514	100
Tanga	4,847	11.6	2,763	6.6	24,554	59.0	4,757	11.4	4,711	11.3	41,633	100
Pangani	5,030	15.2	838	2.5	17,641	53.2	3,973	12.0	5,650	17.1	33,132	100
Handeni	23,690	16.5	1,432	1.0	77,189	53.8	19,135	13.3	21,998	15.3	143,444	100
Kilindi	22,903	15.1	6,963	4.6	74,078	48.8	24,497	16.1	23,322	15.4	151,764	100
Mkinga	12433	11	7694	7	56759	51	18455	16	16894	15	112235	100
Total	94488	13	27356	4	382925	54	98748	14	102188	14	705706	100

9.3.10 GOAT PRODUCTION: Number of Improved Goats for Meat by Category and District as of 1st october 2008

District	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%
Lushoto	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Korogwe	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Muheza	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Tanga	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Pangani	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Handeni	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Kilindi	0	.0	0	.0	0	.0	0	.0	0	.0	0	.0
Mkinga	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0

9.3.10 GOAT PRODUCTION: Number of Improved Goats for Meat by Category and District as of 1st october 2008

District	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%	Total Goat	%
Rombo	0	0	0	0	0	0	0	0	0	0	0	0
Mwanga	0	0	0	0	0	0	0	0	0	0	0	0
Same	0	0	0	0	0	0	0	0	0	0	0	0
Moshi Rural	423	40.00	0	0	635	60.00	0	0	0	0	1,058	100.00
Hai	87	20.00	0	0	347	80.00	0	0	0	0	434	100.00
Siha	125	50.00	63	25.00	63	25.00	0	0	0	0	250	100.00
Total	635	36.45	63	3.59	1,044	59.96	0	0	0	0	1,742	100.00

9.3.11 GOAT PRODUCTION: Number of Improved Dairy Goats by Category and District as of 1st October 2008

	Goat Type											
	Billy Goat		Castrated Goat		She Goat		Male Kid		She Kid		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Korogwe	0	0	0	0	2950	68	1405	32	0	0	4355	100
Muheza	1032	14	0	0	0	0	1032	14	5158	71	7221	100
Tanga	45	100	0	0	0	0	0	0	0	0	45	100
Pangani	73	6	0	0	583	52	36	3	437	39	1130	100
Handeni	0	0	0	0	0	0	0	0	0	0	0	0
Kilindi	168	100	0	0	0	0	0	0	0	0	168	100
Mkinga	0	0	0	0	0	0	0	0	0	0	0	0
Total	1318	10	0	0	3533	27	2473	19	5595	43	12919	100

9.3.12 GOAT PRODUCTION:Milk Production from Goat By Season and District, During the 2007/08 Agricultural Year

	Number of Milked goat		Average milk production per goat per day		Average number of days goats are milked		Average price per litre per season	
	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season	Wet Season	Dry Season
District	Sum	Sum	Mean	Mean	Mean	Mean	Mean	Mean
Lushoto	697	465	.4	.2	10	8	250	300
Korogwe	1,264	843	1.4	1.6	51	68	350	400
Muheza	309	309	.5	.5	73	65	425	425
Tanga	45	.	.5	.	.	.	.	.
Pangani	547	364	1.0	.6	55	46	660	740
Handeni	3,384	651	1.3	.5	68	36	313	400
Kilindi	587	587	1.3	1.3	55	55	600	600
Mkinga	7,471	6,523	1.6	2.2	66	77	486	629
Total	14,306	9,743	1.1	1.1	53	53	390	473

SHEEP PRODUCTION

9.4.1 SHEEP PRODUCTION: Number of Households Rearing Sheep by District during the 2007/08 Agriculture Year

Districts	Number of households raising or managing sheep	%	Number of households not raising or managing sheep	%	Number of agriculture households	Total livestock keeping households
Lushoto	26,480	28	67,595	72	94,075	79,209
Korogwe	5,760	10	51,138	90	56,898	38,915
Muheza	1,238	3	40,541	97	41,779	34,867
Tanga	408	3	15,221	97	15,629	11,008
Pangani	474	4	12,648	96	13,122	9,477
Handeni	781	1	51,937	99	52,718	36,317
Kilindi	2,601	8	31,376	92	33,977	20,386
Mkinga	1,505	7	21,075	93	22,581	15,890
Total	39,247	12	291,532	88	330,779	246,070

9.4.2 SHEEP PRODUCTION: Number of Sheep by Type and District as of 1st October 2008

	Number of households raising or managing sheep	%	Total Sheep	%
Lushoto	26,480	67	66,201	31
Korogwe	5,760	15	26,131	12
Muheza	1,238	3	9,078	4
Tanga	408	1	7,792	4
Pangani	474	1	7,071	3
Handeni	781	2	7,029	3
Kilindi	2,601	7	66,528	31
Mkinga	1,505	4	27,153	13
Total	39,247	100	216,983	100

9.4.3 SHEEP PRODUCTION: Total Number of Indigenous Sheep by Category of Sheep and District as of 1st October 2007/08 Agriculture year

District	Number of Indigenous					Total
	Ram	Castrated Sheep	She Sheep	Male Lamb	She Lamb	
Lushoto	9,988	697	45,296	6,272	3,949	66,201
Korogwe	3,372	140	16,859	2,388	3,372	26,131
Muheza	2,063	103	4,745	1,341	825	9,078
Tanga	997	1,087	4,530	544	634	7,792
Pangani	1,166	292	3,608	984	1,021	7,071
Handeni	1,172	521	3,905	130	1,302	7,029
Kilindi	12,752	3,020	30,118	10,655	9,983	66,528
Mkinga	3,513	2,732	13,437	3,234	4,237	27,153
Total	35,022	8,592	122,498	25,547	25,323	216,983

9.4.3 SHEEP PRODUCTION: Number of Households Rearing Sheep, Head of Sheep and Average Head per Household by Herd size During the 2007/08 Agricultural Year

Flock Size	Sheep Rearing Households	%	Heard of Sheep	Average Number of Sheep Per Houseold
1 - 4	29,716	76	64,598	2
5 - 9	6,009	15	36,132	6
10 - 14	1,141	3	12,718	11
15 - 19	931	2	15,176	16
20 - 24	280	1	6,106	22
25 - 29	214	1	6,040	28
30 - 34	120	0	3,610	30
35 - 39	56	0	2,007	36
40+	780	2	70,595	91
Total	39,247	100	216,983	6

9.4.5 SHEEP PRODUCTION: Number of Sheep by Breed as of 1st October 2008

Sheep Structure	Indigeneous	**%**	Improved Beef	**%**	Total Sheep	**%**
Rams	35,022	16	0	0	35,022	16.1
Castrated Sheep	8,592	4	0	0	8,592	4.0
She Sheep	122,498	56	0	0	122,498	56.5
Male Kid	25,547	12	0	0	25,547	11.8
She Kid	25,323	12	0	0	25,323	11.7
Total	216,983	100	0	0	216,983	100

PIG PRODUCTION

9.5.1 PIG PRODUCTION: Number of Households Raising Pigs by District during 2007/08 Agriculture Year

District	During the 2007/2008 Agriculture Year					
	rearing Pigs		Not rearing pigs		Total	
	No of households	%	No of households	%	No of households	%
Districts	**Number of households raising Pigs**	**%**	**Number of households not raising pigs**	**%**	**Total**	**%**
Lushoto	465	0.5	93,611	99.5	94,075	100
Korogwe	2,248	4.0	54,650	96.0	56,898	100
Muheza	1,651	4.0	40,128	96.0	41,779	100
Tanga	362	2.3	15,267	97.7	15,629	100
Pangani	36	0.3	13,085	99.7	13,122	100
Handeni	260	0.5	52,457	99.5	52,718	100
Kilindi	168	0.5	33,809	99.5	33,977	100
Mkinga	279	1.2	22,302	98.8	22,581	100
Total	5,469	1.7	325,310	98.3	330,779	100

9.5.3 PIG PRODUCTION: Number of Households rearing Pig, Head of Pig and AverageHead per Household by Herd size During the 2007/08 Agricultural Year -

Flock Size	PIG Rearing Households	%	Heard of PIG	Average Number of PIG Per Houseold
1 - 4	**4,315**	**79**	**6,418**	**1**
5 - 9	**654**	**12**	**4,127**	**6**
10 - 14	**324**	**6**	**3,751**	**12**
15 - 19	**130**	**2**	**1,953**	**15**
20 - 24	**45**	**1**	**906**	**20**
Total	5,469	100	17,155	3

9.5.5 PIG PRODUCTION: Total Number of Pigs by Type of Pigs and District as of 1st October 2008

District	Pig Type					
	Boar	Castrated Male	Sow / Gilt	Male Piglet	She Piglet	Total
Lushoto	**232**	**0**	**465**	**0**	**0**	**697**
Korogwe	**1,124**	**0**	**1,826**	**0**	**0**	**2,950**
Muheza	**1,341**	**103**	**3,404**	**825**	**413**	**6,086**
Tanga	**181**	**45**	**815**	**0**	**1,676**	**2,718**
Pangani	**0**	**0**	**73**	**0**	**0**	**73**
Handeni	**651**	**0**	**781**	**391**	**1,692**	**3,515**
Kilindi	**84**	**0**	**0**	**84**	**0**	**168**
Mkinga	**56**	**167**	**223**	**279**	**223**	**948**
Total	3,669	316	7,587	1,578	4,004	17,155

9.5.6 PIG PRODUCTION : Number of Pigs per Household by District as of 1st October 2008

District	Number of households	Number of pigs	Average per household
Lushoto	**465**	**697**	**2**
Korogwe	**2,248**	**2,950**	**1**
Muheza	**1,651**	**6,086**	**4**
Tanga	**362**	**2,718**	**8**
Pangani	**36**	**73**	**2**
Handeni	**260**	**3,515**	**14**
Kilindi	**168**	**168**	**1**
Mkinga	**279**	**948**	**3**
Total	5,469	17,155	**3**

CHICKEN AND OTHER LIVESTOCK

9.6.1 CHICKEN PRODUCTION: Number of CHICKEN by Type and District as of 1st October 2008

District	Indigineous chicken			Layers			Broilers			Total	
	Number of Households	Number of Indigineous Chicken	%	Number of Households	Number of Layers	%	Number of Households	Number of Broilers	%	Number of Households	Number of Chicken
Lushoto	67,130	334,722	95	232	1,394	0	0	.	.	67,130	336116
Korogwe	29,503	200,478	89	0	.	.	0	.	.	29,503	200478
Muheza	33,320	468,750	90	0	.	.	206	2,373	0	33,320	471123
Tanga	9,785	138,126	93	0	.	.	0	.	.	9,785	138126
Pangani	9,112	141,350	93	36	656	0	0	.	.	9,149	142006
Handeni	31,891	384,383	90	0	.	.	0	.	.	31,891	384383
Kilindi	16,947	236,497	93	84	839	0	168	671	0	17,030	238007
Mkinga	13,772	188,676	93	56	335	0	56	335	0	13,827	189345
Total	211,460	2,092,981	92	408	3,223	0	430	3,378	0	211,636	2099582

9.6.4 CHICKEN PRODUCTION : Number of Households Keeping Chickens and Average Number of Chickens per Household by Flock Size as of 1st October 2008 - TANGA

Heard Size	Indigineous chicken				Layers				Broilers			
	Number of Households	Number of Indigenous Chicken	%	Number of Chicken Per Household	Number of Households	Number of Layers	%	Number of Chicken Per Household	Number of Households	Number of Broilers	%	Number of Chicken Per Household
1-49	208,702	1,918,853	100	9	408	3,223	0	8	430	3,378	0	9
50-99	2,629	157,013	8	60	0	0	0	0	0	0	0	60
100-299	129	17,114	1	132	0	0	0	0	0	0	0	132
Total	211,460	2,092,981	109	10	408	3,223	0	8	430	3,378	0	10

9.6.5 CHICKEN PRODUCTION: Number of Other Livestock by Type of livestock and Region as of 1st October 2008

Region	Ducks	Guine pigs	Turkeys	Rabbits	Donkeys	Horses	Dogs
Lushoto	12,543	0	0	1,626	0	0	697
Korogwe	21,214	0	1,405	0	702	0	1,686
Muheza	35,383	2,373	1,444	1,960	0	0	6,602
Tanga	7,611	725	317	408	91	0	1,178
Pangani	7,180	0	0	0	146	0	2,187
Handeni	37,879	0	0	0	521	0	5,727
Kilindi	8,305	0	0	0	2,013	0	5,537
Mkinga	9,032	335	0	1,617	112	0	1,505
Total	139,148	3,432	3,166	5,611	3,584	0	25,119

9.6.6 : THER LIVESTOCK : Total Number of Other Livestock by Type as of 1st October 2008

Type	Chicken		Others	
	Number	%	Type	Number
Indigenous Chicken	2,092,981	4.79	Ducks	139,148
Layer	3,223	0.01	Guine pigs	3,432
Broiler	3,378	0.01	Turkeys	3,166
			Rabbits	5,611
			Donkeys	3,584
			Horses	0
			Dogs	25,119
TOTAL	43,682,442	100		180,061

PESTS AND PARASITES

9.7.1: PEST AND PARASITES: Number of Livestock Rearing households deworming Livestock by District during 2007/08 Agriculture Year

District	Deworming Livestock		Not Deworm Livestock		Total	
	Number	%	Number	%	Number of Livestock Rearing households	%
Lushoto	**76,886**	**96**	**3,484**	**4**	**80,371**	**100**
Korogwe	30,627	80	7,727	20	38,353	100
Muheza	29,297	84	5,777	16	35,074	100
Tanga	9,876	89	1,223	11	11,099	100
Pangani	7,654	80	1,968	20	9,623	100
Handeni	33,583	93	2,343	7	35,926	100
Kilindi	16,443	80	4,027	20	20,470	100
Mkinga	14,162	89	1,784	11	15,946	100
Total	218,528	89	28,333	11	246,861	100

9.7.2: PEST AND PARASITES: Number of Livestock Rearing households that dewormed Livestock by type of livestock and District, 2007/08 Agricultural Year

District	Cattles				Goats/Sheep				Pig				Chicken			
	Households that dewormed	Households that DID NOT deworm	Not Applicable	Total	Households that dewormed	Households that DID NOT deworm	Not Applicable	Total	Households that dewormed	Households that DID NOT deworm	Not Applicable	Total	Households that dewormed	Households that DID NOT deworm	Not Applicable	Total
Lushoto	`	7,665	30,894	76,886	31,358	9,756	36,004	77,119	697	7,665	68,524	76,886	22,299	42,508	12,311	77,119
Korogwe	10,115	0	21,073	31,189	13,065	1,686	16,297	31,048	2,107	140	28,941	31,189	14,892	8,429	7,727	31,048
Muheza	5,364	722	23,417	29,503	6,808	1,238	21,457	29,503	1,444	516	27,543	29,503	23,314	4,436	1,754	29,503
Tanga	2,356	725	6,841	9,921	3,669	725	5,482	9,876	453	498	8,924	9,876	7,112	1,721	1,133	9,966
Pangani	802	109	6,743	7,654	2,406	182	5,212	7,800	146	36	7,472	7,654	5,103	2,333	401	7,837
Handeni	5,858	130	27,465	33,453	16,271	651	16,531	33,453	260	391	32,802	33,453	20,957	8,721	3,775	33,453
Kilindi	3,524	587	12,500	16,611	8,305	252	8,054	16,611	168	503	15,940	16,611	8,725	4,866	2,936	16,527
Mkinga	3,345	167	10,761	14,273	5,631	390	8,196	14,218	167	167	13,883	14,218	9,924	2,342	2,007	14,273
Total	69,690	10,106	139,694	219,491	87,515	14,880	117,233	219,627	5,443	9,918	204,029	219,390	112,326	75,356	32,043	219,726

9.7.3 PEST AND PARASITES: Number of Livestock Rearing Households Normally Encountering Tick Problems by District during 2007/08 Agriculture Year

District	Tick Problem		No Tick Problem		Not Applicable		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	**31,358**	**40**	**26,248**	**33**	**21,602**	**27**	**79,209**	**100**
Korogwe	**16,859**	**44**	**3,934**	**10**	**17,561**	**46**	**38,353**	**100**
Muheza	**9,697**	**28**	**3,404**	**10**	**21,869**	**63**	**34,971**	**100**
Tanga	**4,258**	**39**	**1,133**	**10**	**5,663**	**51**	**11,054**	**100**
Pangani	**2,333**	**25**	**948**	**10**	**6,233**	**66**	**9,513**	**100**
Handeni	**14,449**	**41**	**4,165**	**12**	**17,052**	**48**	**35,666**	**100**
Kilindi	**9,312**	**46**	**2,097**	**10**	**8,893**	**44**	**20,302**	**100**
Mkinga	**6,300**	**40**	**1,059**	**7**	**8,586**	**54**	**15,946**	**100**
Total	94,566	39	42,988	18	107,460	44	245,014	100

9.7.4 PEST AND PARASITES: Number of Livestock Rearing Households by Method of Tick Control and District during 2007/08 Agriculture Year

District	Dipping		Spraying		Smearing		None		Other		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	**3,020**	**4**	**21,138**	**27**	**2,555**	**3**	**52,729**	**66**	**0**	**0**	**79,441**	**100**
Korogwe	**4,355**	**11**	**6,884**	**18**	**983**	**3**	**25,990**	**68**	**140**	**0**	**38,353**	**100**
Muheza	**1,135**	**3**	**4,333**	**12**	**1,547**	**4**	**27,750**	**79**	**206**	**1**	**34,971**	**100**
Tanga	**906**	**8**	**2,310**	**21**	**725**	**7**	**7,112**	**64**	**0**	**0**	**11,054**	**100**
Pangani	**255**	**3**	**1,531**	**16**	**328**	**3**	**7,363**	**77**	**36**	**0**	**9,513**	**100**
Handeni	**3,645**	**10**	**4,426**	**12**	**391**	**1**	**27,075**	**76**	**130**	**0**	**35,666**	**100**
Kilindi	**4,530**	**22**	**3,272**	**16**	**336**	**2**	**12,165**	**60**	**0**	**0**	**20,302**	**100**
Mkinga	**1,282**	**8**	**3,290**	**21**	**446**	**3**	**10,928**	**69**	**0**	**0**	**15,946**	**100**
Total	19,128	8	47,183	19	7,311	3	171,111	70	513	0	245,246	100

9.7.5 PEST AND PARASITES: Number of Livestock Rearing Households normally Encountering Tsetse Flies Problems by District during 2007/08 Agriculture Year

District	Households Encoutering Tsetse problems		Households Without Tsetse Problems		Not Applicable		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	**7,201**	**9**	**49,709**	**63**	**22,532**	**28**	**79,441**	**100**
Korogwe	**7,446**	**19**	**12,784**	**33**	**18,123**	**47**	**38,353**	**100**
Muheza	**5,467**	**16**	**6,912**	**20**	**22,592**	**65**	**34,971**	**100**
Tanga	**2,899**	**26**	**2,537**	**23**	**5,617**	**51**	**11,054**	**100**
Pangani	**1,312**	**14**	**1,458**	**15**	**6,743**	**71**	**9,513**	**100**
Handeni	**9,763**	**27**	**8,721**	**24**	**17,182**	**48**	**35,666**	**100**
Kilindi	**7,215**	**36**	**4,195**	**21**	**8,893**	**44**	**20,302**	**100**
Mkinga	**5,129**	**32**	**1,784**	**11**	**9,032**	**57**	**15,946**	**100**
Total	46,432	19	88,100	36	110,714	45	245,246	100

9.7. 6 PEST AND PARASITES: Number of Livestock Rearing Households by Method of Tsetse Flies Control and District during 2007/08 Agriculture Year

	Dipping		Spraying		Trappig		None		Other		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	929	1	5,575	7	1,858	2	71,079	89	0	0	79,441	100
Korogwe	2,529	7	1,686	4	562	1	33,296	87	281	1	38,353	100
Muheza	413	1	2,579	7	1,547	4	30,328	87	103	0	34,971	100
Tanga	589	5	1,540	14	906	8	8,018	73	0	0	11,054	100
Pangani	109	1	911	10	328	3	8,128	85	36	0	9,513	100
Handeni	2,083	6	2,734	8	391	1	29,808	84	651	2	35,666	100
Kilindi	2,685	13	2,349	12	587	3	13,675	67	1,007	5	20,302	100
Mkinga	1,115	7	2,453	15	502	3	11,932	75	0	0	16,002	100
Total	10,451	4	19,827	8	6,681	3	206,265	84	2,078	1	245,302	100

9.7.7: PEST AND PARASITES: Number of Livestock Rearing Households normally Encountering Newcastle Disease Problems by District during 2007/08 Agriculture Year

District	Households Encoutering Newcastle Disease problems		Households NOT Encoutering Newcastle Disease problems		Not Applicable		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	47,618	60	21,835	27	9,988	13	79,441	100
Korogwe	22,478	59	7,867	21	8,008	21	38,353	100
Muheza	27,956	80	5,571	16	1,444	4	34,971	100
Tanga	8,200	74	1,676	15	1,178	11	11,054	100
Pangani	6,743	71	2,479	26	292	3	9,513	100
Handeni	26,684	75	5,597	16	3,384	9	35,666	100
Kilindi	14,681	73	3,104	15	2,433	12	20,218	100
Mkinga	11,040	69	3,067	19	1,840	12	15,946	100
Total	165,400	67	51,195	21	28,567	12	245,162	100

9.7.8: PEST AND PARASITES: Number of Livestock Rearing Households by Method of Newcastle Disease Control and District during 2007/08 Agriculture Year

District	Vaccination		Local Herbs		None		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	10,917	14	34,378	43	34,146	43	79,441	100
Korogwe	6,182	16	4,215	11	27,957	73	38,353	100
Muheza	14,855	42	6,396	18	13,720	39	34,971	100
Tanga	4,213	38	2,945	27	3,896	35	11,054	100
Pangani	2,916	31	2,005	21	4,593	48	9,513	100
Handeni	6,248	18	8,201	23	21,217	59	35,666	100
Kilindi	3,104	15	3,524	17	13,675	67	20,302	100
Mkinga	3,959	25	4,516	28	7,471	47	15,946	100
Total	52,393	21	66,178	27	126,675	52	245,246	100

9.7.9 PEST AND PARASITES: Number of Livestock Rearing Households normally Encountering Fowl Typhoid Disease Problems by District during 2007/08 Agriculture Year

District	Households Encoutering Fowl Typhoid Disease problems		Households NOT Encoutering Fowl Typhoid Disease problems		Not Applicable		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	19,280	24	49,244	62	10,917	14	79,441	100
Korogwe	10,677	28	19,387	51	8,289	22	38,353	100
Muheza	11,760	34	21,869	63	1,341	4	34,971	100
Tanga	4,168	38	5,391	49	1,495	14	11,054	100
Pangani	1,531	16	7,290	77	693	7	9,513	100
Handeni	12,496	35	19,265	54	3,905	11	35,666	100
Kilindi	7,550	37	9,816	48	2,936	14	20,302	100
Mkinga	6,189	39	7,583	48	2,174	14	15,946	100
Total	73,651	30	139,845	57	31,751	13	245,246	100

9.7.10 PEST AND PARASITES: Number of Livestock Rearing Households by Method of Fowltyphoid Desease Control and District during 2007/08 Agriculture Year

District	Vaccination	%	Local Herbs	%	None	%	Total	%
Lushoto	929	1	17,654	22	60,859	77	79,441	100
Korogwe	2,529	7	1,545	4	34,279	89	38,353	100
Muheza	2,166	6	3,817	11	28,987	83	34,971	100
Tanga	1,314	12	2,129	19	7,611	69	11,054	100
Pangani	219	2	656	7	8,638	91	9,513	100
Handeni	1,432	4	4,426	12	29,808	84	35,666	100
Kilindi	1,175	6	2,601	13	16,527	81	20,302	100
Mkinga	1,617	10	2,676	17	11,653	73	15,946	100
Total	11,380	5	35,504	14	198,363	81	245,246	100

9.7.11 PEST AND PARASITES: Number of Livestock Rearing Households normally Encountering Foot and Mouth Disease Problems by District during 2007/08 Agriculture Year

District	Households Encoutering Foot and Mouth Disease		Households NOT Encoutering Foot and Mouth Disease		Not Applicable		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	9,756	12	33,914	43	36,004	45	79,674	100
Korogwe	2,529	7	8,991	23	26,974	70	38,494	100
Muheza	1,651	5	5,158	15	28,162	81	34,971	100
Tanga	1,404	13	1,223	11	8,426	76	11,054	100
Pangani	182	2	875	9	8,493	89	9,550	100
Handeni	651	2	5,597	16	29,418	82	35,666	100
Kilindi	839	4	4,195	21	15,353	75	20,386	100
Mkinga	1,004	6	2,676	17	12,322	77	16,002	100
Total	18,015	7	62,629	25	165,151	67	245,795	100

9.7.12 PEST AND PARASITES: Number of Livestock Rearing Households normally Encountering Lympyskin Disease Problems by District during 2007/08 Agriculture Year

District	Households Encoutering Lympyskin Disease		Households NOT Encoutering Lympyskin Disease		Not Applicable		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	7,898	10	36,469	46	35,075	44	79,441	100
Korogwe	4,917	13	6,743	18	26,833	70	38,494	100
Muheza	1,341	4	5,158	15	28,472	81	34,971	100
Tanga	544	5	1,993	18	8,517	77	11,054	100
Pangani	219	2	802	8	8,493	89	9,513	100
Handeni	130	0	6,118	17	29,418	82	35,666	100
Kilindi	1,258	6	3,607	18	15,436	76	20,302	100
Mkinga	1,505	9	2,286	14	12,155	76	15,946	100
Total	17,812	7	63,176	26	164,398	67	245,387	100

LIVESTOCK EXTENSION

9.8.1 LIVESTOCK EXTENSION: Number of households receiving extension advice by District during the 2007/08 agriculture year

District	Receiving Livestock services		Not Receiving Livestock Extension services		Total
	Number	%	Number	%	
Lushoto	51,103	65	28,106	35	79,209
Korogwe	17,561	45	21,354	55	38,915
Muheza	17,331	50	17,537	50	34,867
Tanga	6,025	55	4,983	45	11,008
Pangani	3,645	38	5,832	62	9,477
Handeni	13,537	37	22,779	63	36,317
Kilindi	8,222	40	12,165	60	20,386
Mkinga	7,527	47	8,363	53	15,890
Total	124,950	51	121,120	49	246,070

9.8.2 LIVESTOCK EXTENSION: Number of Households receiving Livestock advice (overall) By Source of Extension and District during the 2007/08 agriculture year

	Source of Livestock Extension												Number of Household receiving Extension
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	
Lushoto	48,548	86	1,394	2	232	0.4	232	0	2,323	4	3,717	7	56,445
Korogwe	16,156	68	3,793	16	702	2.9	140	1	562	2	2,529	11	23,883
Muheza	13,411	63	1,341	6	516	2.4	516	2	1,444	7	3,920	19	21,147
Tanga	5,391	68	906	11	453	5.7	227	3	408	5	589	7	7,973
Pangani	3,426	87	73	2	36	0.9	109	3	109	3	182	5	3,937
Handeni	11,975	76	1,692	11	130	0.8	130	1	781	5	1,041	7	15,750
Kilindi	8,138	87	419	5	0	0.0	0	0	252	3	503	5	9,312
Mkinga	6,691	77	335	4	502	5.8	167	2	390	4	613	7	8,698
Total	113,735	77	9,953	7	2,572	1.7	1,522	1	6,269	4	13,095	9	147,146

9.8.3 LIVESTOCK EXTENSION: Number of Agriculture Households Receiving Advice on Feeds and ProperFeeding by Source and District During 2007/08griculture Year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	23,925	98	0	0.0	0	0.0	0	0.0	0	0	465	2	0	0	24,390
Korogwe	4,917	88	281	5.0	0	0.0	0	0.0	0	0	421	8	0	0	5,620
Muheza	5,055	77	413	6.2	0	0.0	103	1.6	103	2	928	14	0	0	6,602
Tanga	2,582	88	136	4.6	45	1.5	0	0.0	91	3	91	3	0	0	2,945
Pangani	911	93	36	3.7	0	0.0	36	3.7	0	0	0	0	0	0	984
Handeni	3,645	82	260	5.9	0	0.0	0	0.0	260	6	260	6	0	0	4,426
Kilindi	1,678	95	84	4.8	0	0.0	0	0.0	0	0	0	0	0	0	1,762
Mkinga	2,620	94	0	0.0	0	0.0	56	2.0	56	2	56	2	0	0	2,788
Total	45,334	92	1,210	2.4	45	0.1	195	0.4	510	1	2,221	4	0	0	49,516

9.8.4 LIVESTOCK EXTENSION: Number of households receiving extension advice on ProperLivestock Housing by District during the 2007/08 agriculture year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	25,087	90	0	0	0	0	232	1	232	1	2,323	8	0	0	27,874
Korogwe	7,305	79	1,124	12	0	0	0	0	281	3	562	6	0	0	9,272
Muheza	8,356	78	206	2	0	0	309	3	413	4	1,444	13	0	0	10,728
Tanga	3,262	89	91	2	45	1	45	1	0	0	227	6	0	0	3,669
Pangani	1,567	88	0	0	0	0	36	2	36	2	146	8	0	0	1,786
Handeni	7,159	80	521	6	0	0	130	1	260	3	911	10	0	0	8,982
Kilindi	3,356	89	84	2	0	0	0	0	84	2	252	7	0	0	3,775
Mkinga	4,014	92	56	1	0	0	56	1	167	4	56	1	0	0	4,349
Total	60,106	85	2,081	3	45	0	809	1	1,474	2	5,920	8	0	0	70,436

9.8.5 LIVESTOCK EXTENSION: Number of households receiving extension advice on ProperMilking and Milk Hygene by District during the 2007/08 agriculture year

	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	10,453	90	232	2	0	0	0	0	465	4	465	4	0	0	11,614
Korogwe	3,091	85	140	4	0	0	0	0	0	0	421	12	0	0	3,653
Muheza	3,404	75	309	7	103	2	103	2	103	2	516	11	0	0	4,539
Tanga	1,993	96	45	2	45	2	0	0	0	0	0	0	0	0	2,084
Pangani	437	86	0	0	0	0	36	7	36	7	0	0	0	0	510
Handeni	2,083	84	130	5	0	0	0	0	260	11	0	0	0	0	2,473
Kilindi	1,594	100	0	0	0	0	0	0	0	0	0	0	0	0	1,594
Mkinga	2,119	95	0	0	0	0	56	3	0	0	56	3	0	0	2,230
Total	25,174	88	858	3	148	1	195	1	865	3	1,458	5	0	0	28,697

9.8.6 LIVESTOCK EXTENSION: Number of households receiving extensionadvice on Livestock fattening by District during the 2007/08 agriculture year

	Source of Livestock Extension														
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	Total Number of households
Lushoto	4,646	87	0	0	0	0	0	0	465	9	232	4	0	0	5,343
Korogwe	1,264	75	140	8	0	0	140	8	0	0	140	8	0	0	1,686
Muheza	1,857	78	206	9	103	4	0	0	0	0	206	9	0	0	2,373
Tanga	861	90	0	0	0	0	45	5	45	5	0	0	0	0	951
Pangani	328	100	0	0	0	0	0	0	0	0	0	0	0	0	328
Handeni	1,041	89	130	11	0	0	0	0	0	0	0	0	0	0	1,172
Kilindi	839	100	0	0	0	0	0	0	0	0	0	0	0	0	839
Mkinga	1,505	84	0	0	0	0	0	0	112	6	167	9	0	0	1,784
Total	12,341	85	477	3	103	1	186	1	621	4	746	5	0	0	14,475

9.8.8 LIVESTOCK EXTENSION: Number of households receiving extension advice on Herd/Flock size and selection by District during the 2007/08 agriculture year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	15,795	88	232	1	0	0	0	0	232	1	1,626	9	0	0	17,886
Korogwe	6,743	92	140	2	0	0	0	0	0	0	421	6	0	0	7,305
Muheza	2,888	82	206	6	0	0	0	0	103	3	309	9	0	0	3,507
Tanga	1,767	83	45	2	136	6	91	4	0	0	91	4	0	0	2,129
Pangani	948	100	0	0	0	0	0	0	0	0	0	0	0	0	948
Handeni	3,124	96	130	4	0	0	0	0	0	0	0	0	0	0	3,254
Kilindi	1,846	92	84	4	0	0	0	0	84	4	0	0	0	0	2,013
Mkinga	2,007	88	56	2	56	2	0	0	0	0	167	7	0	0	2,286
Total	35,119	89	894	2	192	0	91	0	419	1	2,615	7	0	0	39,329

9.8.9 LIVESTOCK EXTENSION: Number of households receiving extension advice on Pasture Establishment by District during the 2007/08 agriculture year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	4,413	95	232	5	0	0	0	0	0	0	0	0	0	0	4,646
Korogwe	2,810	87	0	0	140	4	0	0	0	0	281	9	0	0	3,231
Muheza	1,341	76	309	18	0	0	0	0	103	6	0	0	0	0	1,754
Tanga	951	81	45	4	0	0	0	0	91	8	91	8	0	0	1,178
Pangani	292	80	0	0	0	0	36	10	36	10	0	0	0	0	364
Handeni	1,432	92	130	8	0	0	0	0	0	0	0	0	0	0	1,562
Kilindi	923	100	0	0	0	0	0	0	0	0	0	0	0	0	923
Mkinga	1,171	95	0	0	0	0	0	0	0	0	56	5	0	0	1,227
Total	13,333	90	717	5	140	1	36	0	230	2	427	3	0	0	14,884

9.8.10 LIVESTOCK EXTENSION: Number of households receiving extension advice on Group formation and strengthening by District during the 2007/08 agriculture year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	3,020	81	232	6	0	0	0	0	465	13	0	0	0	0	3,717
Korogwe	4,917	58	2,388	28	562	7	0	0	140	2	421	5	0	0	8,429
Muheza	5,055	80	413	7	516	8	0	0	309	5	0	0	0	0	6,293
Tanga	2,945	88	45	1	317	9	0	0	0	0	45	1	0	0	3,352
Pangani	948	100	0	0	0	0	0	0	0	0	0	0	0	0	948
Handeni	5,207	82	1,041	16	0	0	0	0	0	0	130	2	0	0	6,378
Kilindi	3,188	88	336	9	0	0	0	0	84	2	0	0	0	0	3,607
Mkinga	4,126	91	0	0	335	7	0	0	0	0	56	1	0	0	4,516
Total	29,404	79	4,455	12	1,729	5	0	0	998	3	653	2	0	0	37,240

9.8.11 LIVESTOCK EXTENSION: Number of households receiving extension advice on Calf Rearing by District during the 2007/08 agriculture year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	13,473	95	0	0	232	2	0	0	0	0	465	3	0	0	14,169
Korogwe	3,934	90	140	3	0	0	0	0	0	0	281	6	0	0	4,355
Muheza	2,785	71	309	8	103	3	0	0	309	8	413	11	0	0	3,920
Tanga	2,310	91	0	0	136	5	45	2	0	0	45	2	0	0	2,537
Pangani	802	92	0	0	36	4	0	0	36	4	0	0	0	0	875
Handeni	3,124	92	260	8	0	0	0	0	0	0	0	0	0	0	3,384
Kilindi	1,426	100	0	0	0	0	0	0	0	0	0	0	0	0	1,426
Mkinga	2,007	90	56	3	112	5	0	0	0	0	56	3	0	0	2,230
Total	29,861	91	766	2	619	2	45	0	346	1	1,259	4	0	0	32,897

9.8.12 LIVESTOCK EXTENSION: Number of households receiving extension advice on Use of improved Bulls by District during the 2007/08 agriculture year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	5,110	79	465	7	0	0	0	0	929	14	0	0	0	0	6,504
Korogwe	1,124	89	140	11	0	0	0	0	0	0	0	0	0	0	1,264
Muheza	2,166	75	206	7	0	0	103	4	309	11	103	4	0	0	2,888
Tanga	1,450	80	91	5	45	3	0	0	91	5	136	8	0	0	1,812
Pangani	255	70	0	0	0	0	73	20	36	10	0	0	0	0	364
Handeni	1,302	91	130	9	0	0	0	0	0	0	0	0	0	0	1,432
Kilindi	1,091	93	0	0	0	0	0	0	0	0	84	7	0	0	1,175
Mkinga	1,115	80	112	8	0	0	0	0	56	4	112	8	0	0	1,394
Total	13,613	81	1,144	7	45	0	176	1	1,421	8	434	3	0	0	16,834

9.8.13 LIVESTOCK EXTENSION: Number of households receiving extension advice on Livestock Feeds processing by District during the 2007/08 agriculture year

District	Source of Livestock Extension														Total Number of households
	Government		NGO/Dev project		Cooperative		Large scale farmer		Radio/TV/Newspapers		Neighbour		Other		
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Other (Specify)	%	
Lushoto	1,161	50	465	20	0	0	232	10	465	20	0	0	0	0	2,323
Korogwe	3,372	92	0	0	0	0	0	0	0	0	281	8	0	0	3,653
Muheza	2,063	77	309	12	0	0	0	0	206	8	103	4	0	0	2,682
Tanga	1,540	81	181	10	45	2	91	5	0	0	45	2	0	0	1,903
Pangani	292	100	0	0	0	0	0	0	0	0	0	0	0	0	292
Handeni	911	88	130	13	0	0	0	0	0	0	0	0	0	0	1,041
Kilindi	671	89	84	11	0	0	0	0	0	0	0	0	0	0	755
Mkinga	1,115	80	0	0	0	0	56	4	112	8	112	8	0	0	1,394
Total	11,126	79	1,169	8	45	0	379	3	782	6	541	4	0	0	14,042

FISH FARMING

9.9.1 FISH FARMING: Number of Agriculture Households Practising Fish Farming by District during the 2007/08 Agriculture Year

District	Was Fish farming carried out by this household during 2007/08				
	Yes	%	No	%	Total
District	Number of Agricultural Households Doing Fish Farming	%	Number of Agricultural Households NOT Doing Fish Farming	%	Total
Lushoto	0	0	94,075	100	94,075
Korogwe	0	0	56,898	100	56,898
Muheza	825	2	40,954	98	41,779
Tanga	0	0	15,629	100	15,629
Pangani	0	0	13,122	100	13,122
Handeni	0	0	52,718	100	52,718
Kilindi	0	0	33,977	100	33,977
Mkinga	0	0	22,581	100	22,581
Total	825	0	329,953	100	330,779

9.9.2 FISH FARMING: Number of Agriculture Households by System of Fish Farming and District during the 2007/08 Agriculture Year

District	system of fish farming				Total
	Natural Pond	Dug out Pond	Water Resevoir	Other	
Lushoto	0.0		0.0	0.0	
Korogwe	0.0		0.0	0.0	
Muheza	0.0	825.3	0.0	0.0	825
Tanga	0.0		0.0	0.0	
Pangani	0.0		0.0	0.0	
Handeni	0.0		0.0	0.0	
Kilindi	0.0		0.0	0.0	
Mkinga	0.0		0.0	0.0	
Total	0.0	825.3	0.0	0.0	825

9.9.3 FISH FARMING: Number of Agriculture Households by Source of Fingerling and District during the 2007/08 Agriculture Year

District	Source of fingerlings							
	Own Pond	Government Institution	NGOs / Project	Neighbour	Private Trader	Natural pond	Other	Total
Lushoto	0	0	0	0	0	0	0	0
Korogwe	0	0	0	0	0	0	0	0
Muheza	0	0	516	206	0	103	0	825
Tanga	0	0	0	0	0	0	0	0
Pangani	0	0	0	0	0	0	0	0
Handeni	0	0	0	0	0	0	0	0
Kilindi	0	0	0	0	0	0	0	0
Mkinga	0	0	0	0	0	0	0	0
Total	0	0	516	206	0	103	0	825

9.9.4 FISH FARMING: Number of Agriculture Households by Location of Selling Fish and District during the 2007/08 Agriculture Year

District	where sold								
	Neighbour	Local Market	Secondary Market	Processing Industry	Large Scale Farm	Trader at Farm	Did not Sell	Other	Total
Lushoto	0	0	0	0	0	0	0		0
Korogwe	0	0	0	0	0	0	0		0
Muheza	516	0	0	0	0	0	309		825
Tanga	0	0	0	0	0	0	0		0
Pangani	0	0	0	0	0	0	0		0
Handeni	0	0	0	0	0	0	0		0
Kilindi	0	0	0	0	0	0	0		0
Mkinga	0	0	0	0	0	0	0		0
Total	516	0	0	0	0	0	309		825

9.9.6 FISH FARMING: Total Number of Stocked Fish by Type and District during 2007/08 agriculture year

District	Mean Size of Pond (Sq.metre)	Type of Fish								Total
		Tilapia		Milkfish		Prawns/Crabs		Lulu		
		Number	%	Number	%	Number	%	Number	%	
Lushoto		0	0	0	0	0	0	0	0	0
Korogwe		0	0	0	0	0	0	0	0	0
Muheza	59	91	100	13	100	0	0	0	0	103
Tanga		0	0	0	0	0	0	0	0	0
Pangani		0	0	0	0	0	0	0	0	0
Handeni		0	0	0	0	0	0	0	0	0
Kilindi		0	0	0	0	0	0	0	0	0
Mkinga		0	0	0	0	0	0	0	0	0
Total		91	100	13	100	0	0	0	0	103

9.9.5 FISH FARMING: Total Number of Fish Harvested, their weight and Quantity Sold by District during 2007/08 agriculture year

District	Fish Harvested				Fish Sold	
	Number of Fish	%	Quantity(Kg)	%	Quantity (Kg)	%
Lushoto	0	0	0	0	0	0
Korogwe	0	0	0	0	0	0
Muheza	186,819	100	32,495	100	25,480	100
Tanga	0	0	0	0	0	0
Pangani	0	0	0	0	0	0
Handeni	0	0	0	0	0	0
Kilindi	0	0	0	0	0	0
Mkinga	0	0	0	0	0	0
Total	186,819	100	32,495	100	25,480	100

9.9.7 FISH FARMING: Number of Agricultural Households By frequency of stocking of Fingerings in fish ponds and District, 2007/08 Agricultural Year

	Frequency of stocking				
District	1	2	3	8	Total
Lushoto	0	0	0	0	0
Korogwe	0	0	0	0	0
Muheza	722	103	0	0	825
Tanga	0	0	0	0	0
Pangani	0	0	0	0	0
Handeni	0	0	0	0	0
Kilindi	0	0	0	0	0
Mkinga	0	0	0	0	0
Total	722	103	0	0	825

9.9.8 FISH FARMING: Number of Agricultural Households By level of care of fish ponds and District, 2007/08 Agricultural Year

	Kiwango cha Huduma ya bwawa				
District	High	Meadium/Average	Low	8	Total
Lushoto	0	0	0	0	0
Korogwe	0	0	0	0	0
Muheza	103	413	206	103	825
Tanga	0	0	0	0	0
Pangani	0	0	0	0	0
Handeni	0	0	0	0	0
Kilindi	0	0	0	0	0
Mkinga	0	0	0	0	0
Total	103	413	206	103	825

BEE KEEPING

9.10.1 BEE KEEPING: Number of Agricultural Households involved in Honey Production/Collection and District, 2007/08 Agricultural Year

District	Agricultural Households Involved in Honey Production/Collection		Agricultural Households NOT Involved in Honey Production/Collection		Total	
	Number	%	Number	%	Number	%
Lushoto	232	0	93,843	100	94,075	100.0
Korogwe	1,124	2	55,774	98	56,898	100.0
Muheza	103	0	41,676	100	41,779	100.0
Tanga	45	0	15,584	100	15,629	100.0
Pangani	146	1	12,976	99	13,122	100.0
Handeni	1,302	2	51,416	98	52,718	100.0
Kilindi	1,846	5	32,131	95	33,977	100.0
Mkinga	279	1	22,302	99	22,581	100.0
Total	5,077	2	325,702	98	330,779	100.0

9.10.2 BEE KEEPING: Number of Agricultural Households By Honey production/Collection and District , 2007/08 Agricultural Year

District	Was Honey Harvested?							
	Number of Agricultural Households that Poduced/Collected Honey			Number of Agricultural Households that did NOT Poduce/Collect Honey		Total		
	Stingless Bee	Sting Bee	Total	Stingless Bee	Total	Stingless Bee	Sting Bee	Total
Lushoto	0	232	232	0	0	0	232	232
Korogwe	0	1,124	1,124	0	0	0	1,124	1,124
Muheza	0	103	103	0	0	0	103	103
Pangani	0	146	146	0	0	0	146	146
Handeni	260	1,302	1,562	391	391	651	1,302	1,953
Kilindi	503	1,426	1,930	0	0	503	1,426	1,930
Mkinga	112	167	279	0	0	112	167	279
Total	875	4,500	5,375	391	391	1,266	4,500	5,766

9.10.3 BEE KEEPING: Number of Bee hives by Type, Size of Bees and District during the 2007/08 Agriculture Year

	Number of Improved Bee Hives						Number of Local Bee Hives					
	Stingless Bee		Sting Bee		Total		Stingless Bee		Sting Bee		Total	
District	Number of Household	Number of HaverstedHives	Number of Household	Number of HaverstedHives	Number of Household	Number of HaverstedHives	Number of Household	Number of HaverstedHives	Number of Household	Number of HaverstedHives	Number of Household	Number of Haversted
Lushoto	0	.	232	0	232	0	0	.	232	232	232	232
Korogwe	0	.	1,124	0	1,124	0	0	.	1,124	77,409	1,124	77,409
Muheza	0	.	103	0	103	0	0	.	103	0	103	0
Pangani	0	.	146	729	146	729	0	.	146	3,681	146	3,681
Handeni	651	130	1,302	130	1,953	260	651	5,337	1,302	20,046	1,953	25,383
Kilindi	503	84	1,426	0	1,930	84	503	2,097	1,426	10,906	1,930	13,004
Mkinga	112	781	167	0	279	781	112	558	167	836	279	1,394
Total	1,266	995	4,500	859	5,766	1,854	1,266	7,992	4,500	113,111	5,766	121,103

9.10.5 BEE KEEPING: Average price of Honey (Tshs/litre) by Size of Bees and District during the 2007/08 Agriculture Year

District	Stingless Bee (Price per Litre)	Bee (Price per Litre)	Average Price Per Litre
Lushoto	.	4,000	4,000
Korogwe	.	1,844	1,844
Muheza	.	3,000	3,000
Tanga	.	.	.
Pangani	.	2,210	2,210
Handeni	2,650	1,392	1,601
Kilindi	667	920	854
Mkinga	2,000	2,167	2,100
Total	1,426	1,582	1,557

POVERTY MODULE

10.1 HOUSEHOLD FACILITIES: Number of households reporting average number of rooms and type of building Materials and District, 2007/08 Agricultural Year

District	Number of rooms	Iron Sheets		Tiles		Concrete		Asbestos		Grass/leaves.		Grass & mud.		Other (Specify)	Total	
	Mean	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	Number	%
Lushoto	3	78,280	83	1,161	1	0	0	465	0	11,150	12	929	1	2,091	94,075	100
Korogwe	2	36,387	64	1,124	2	140	0	281	0	18,545	33	281	0	140	56,898	100
Muheza	3	22,901	55	1,960	5	103	0	413	1	16,093	39	309	1	0	41,779	100
Tanga	3	4,168	27	272	2	0	0	227	1	10,872	70	91	1	0	15,629	100
Pangani	3	2,369	18	437	3	73	1	182	1	9,878	75	182	1	0	13,122	100
Handeni	2	15,880	30	781	1	0	0	0	0	34,885	66	1,172	2	0	52,718	100
Kilindi	3	17,030	50	503	1	168	0	671	2	14,094	41	1,510	4	0	33,977	100
Mkinga	2	4,795	21	335	1	112	0	446	2	16,392	73	502	2	0	22,581	100
Total	3	######	55	6,573	2	596	0	2,684	1	131,908	40	4,976	2	2,231	330,779	100
%		55		2		0.2		0.8		40		1.5		0.7		

10.2: HOUSEHOLD FACILITIES: Number of hoseholds reporting average number of rooms and type of Floor Materials by District2007/08 Agricultural Year

District	Number of rooms	Earth, Sand, Dung		Wood Planks, Bamboo, Palm.		Parquet Or Polished Wood		Ceramic Tiles, Terrazzo		Cement		Other		Total
	Mean	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number
Lushoto	3	84,552	90	1,394	1.5	697	1	232	0.2	7,201	8	0	0.0	94,075
Korogwe	2	44,395	78	1,967	3.5	0	0	140	0.2	10,396	18	0	0.0	56,898
Muheza	3	31,670	76	619	1.5	309	1	0	0.0	9,078	22	103	0.2	41,779
Tanga	3	11,144	71	408	2.6	45	0	0	0.0	3,987	26	45	0.3	15,629
Pangani	3	10,534	80	182	1.4	36	0	36	0.3	2,333	18	0	0.0	13,122
Handeni	2	47,120	89	1,172	2.2	260	0	0	0.0	4,165	8	0	0.0	52,718
Kilindi	3	29,531	87	1,091	3.2	84	0	0	0.0	3,272	10	0	0.0	33,977
Mkinga	2	18,845	83	502	2.2	56	0	56	0.2	3,122	14	0	0.0	22,581
Total	3	######	84	7,333	2.2	1,488	0.4	465	0.1	43,554	13	148	0.0	######
%		**84**		**2**		**0.4**		**0.1**		**13.2**		**0.04**		**100**

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

District	Mean	Wall Materials																	
		Grass		Poles And Mud		Sun-Dried Bricks		Baked Bricks		Wood, Timber		Cement Blocks		Stones		Other (specify)		Total	
		Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	3	9,988	11	62,717	67	12,543	13	7,201	8	232	0	929	1	0	0	465	0	94,075	100
Korogwe	2	2,529	4	35,965	63	6,041	11	10,115	18	140	0	1,967	3	0	0	140	0	56,898	100
Muheza	3	4,745	11	23,107	55	4,539	11	6,705	16	103	0	2,579	6	0	0	0	0	41,779	100
Tanga	3	1,314	8	11,326	72	272	2	634	4	0	0	1,903	12	0	0	181	1	15,629	100
Pangani	3	4,228	32	7,217	55	474	4	474	4	73	1	583	4	0	0	73	1	13,122	100
Handeni	2	6,118	12	42,434	80	260	0	3,384	6	0	0	521	1	0	0	0	0	52,718	100
Kilindi	3	4,362	13	21,309	63	2,601	8	5,201	15	336	1	168	0	0	0	0	0	33,977	100
Mkinga	2	5,910	26	13,214	59	502	2	1,338	6	56	0	1,115	5	0	0	446	2	22,581	100
Total	3	39,195	12	217,289	66	27,232	8	35,053	11	940	0	9,764	3	0	0	1,305	0	330,779	100
%		11.84917		66		8		11		0		3		0		0		100	

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

District	Radio			Landline phone			Mobile phone			Iron			Wheelbarrow		
	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total
Lushoto	69,221	24,854	94,075	929	93,146	94,075	34,378	59,697	94,075	20,906	73,170	94,075	3,252	90,823	94,075
Korogwe	41,023	15,875	56,898	843	56,055	56,898	21,635	35,263	56,898	12,223	44,675	56,898	2,950	53,948	56,898
Muheza	34,145	7,634	41,779	619	41,160	41,779	18,775	23,004	41,779	11,760	30,019	41,779	1,960	39,819	41,779
Tanga	12,322	3,307	15,629	362	15,267	15,629	7,883	7,747	15,629	4,349	11,280	15,629	1,223	14,406	15,629
Pangani	9,878	3,244	13,122	109	13,012	13,122	6,925	6,196	13,122	2,223	10,898	13,122	547	12,575	13,122
Handeni	35,536	17,182	52,718	911	51,806	52,718	15,099	37,618	52,718	8,070	44,647	52,718	1,432	51,286	52,718
Kilindi	24,665	9,312	33,977	336	33,641	33,977	9,648	24,329	33,977	4,111	29,866	33,977	671	33,306	33,977
Mkinga	15,054	7,527	22,581	335	22,246	22,581	9,088	13,493	22,581	4,237	18,343	22,581	1,059	21,522	22,581
Total	241,843	88,936	330,779	4,444	326,335	330,779	123,431	207,347	330,779	67,879	262,900	330,779	13,094	317,684	330,779
%	73.1	26.9	100.0	1.3	98.7	100.0	37.3	62.7	100.0	20.5	79.5	100.0	4.0	96.0	100.0

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

District	Bicycle			Vehicle			Television / Video			Refrigerator			Motor Cycle		
	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total	Yes	No	Total
Lushoto	10,917	83,158	94,075	2,323	91,753	94,075	929	93,146	94,075	232	93,843	94,075	0	94,075	94,075
Korogwe	19,247	37,651	56,898	1,826	55,072	56,898	1,405	55,493	56,898	843	56,055	56,898	843	56,055	56,898
Muheza	16,402	25,377	41,779	2,785	38,994	41,779	1,341	40,438	41,779	928	40,851	41,779	825	40,954	41,779
Tanga	10,193	5,436	15,629	906	14,723	15,629	1,359	14,270	15,629	634	14,995	15,629	589	15,040	15,629
Pangani	7,837	5,285	13,122	911	12,210	13,122	1,021	12,101	13,122	838	12,283	13,122	693	12,429	13,122
Handeni	25,513	27,205	52,718	3,384	49,333	52,718	2,083	50,635	52,718	1,692	51,025	52,718	1,562	51,156	52,718
Kilindi	16,779	17,198	33,977	1,510	32,467	33,977	587	33,390	33,977	168	33,809	33,977	923	33,054	33,977
Mkinga	11,820	10,761	22,581	1,004	21,577	22,581	390	22,191	22,581	279	22,302	22,581	669	21,912	22,581
Total	118,708	212,071	330,779	14,650	316,129	330,779	9,115	321,664	330,779	5,615	325,164	330,779	6,104	324,675	330,779
%	35.9	64.1	100.0	4.4	95.6	100.0	2.8	97.2	100.0	1.7	98.3	100.0	1.8	98.2	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 (hh biogas)		Hurican Lamp		Pressure Lamp		Wick Lamp		Candles		Fire Wood		Other (specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	697	1	929	1	0	0	17,886	19	3,252	3	71,311	76	0	0	0	0	0	0	94,075	100
Korogwe	2,388	4	0	0	0	0	8,289	15	1,264	2	44,675	79	0	0	281	0	0	0	56,898	100
Muheza	1,444	3	206	0	0	0	6,808	16	1,651	4	31,257	75	103	0	206	0	103	0	41,779	100
Tanga	1,178	8	181	1	0	0	2,220	14	2,446	16	9,468	61	91	1	45	0	0	0	15,629	100
Pangani	802	6	73	1	0	0	2,078	16	693	5	9,440	72	0	0	36	0	0	0	13,122	100
Handeni	1,172	2	260	0	0	0	4,035	8	2,994	6	43,346	82	130	0	781	1	0	0	52,718	100
Kilindi	168	0	168	0	252	1	4,950	15	1,594	5	26,343	78	0	0	419	1	84	0	33,977	100
Mkinga	446	2	223	1	0	0	1,617	7	1,059	5	18,901	84	56	0	279	1	0	0	22,581	100
Total	8,294	3	2,041	1	252	0	47,882	14	14,953	5	254,741	77	380	0	2,048	1	187	0	330,779	100
%	2.5		0.6		0.1		14.5		4.5		77.0		0.1		0.6		0.1		100.0	

10.14: HOUSEHOLD FACILITIES: Number of Agriculture Households Distance to Main Source of Drinking Water in wet Season and District during, 2007/08 Agricultural Year

	Less than100 Metres		100 - 299 m		300 - 499 m		500 - 999 m		1.00- 1.99 Km		2.00 - 2.99 Km		3.00 - 4.99 Km		5.00 - 9.99 Km		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	17,421	19	17,421	19	0	0	31,358	33	27,874	30	0	0	0	0	0	0	94,075	100
Korogwe	23,181	41	4,215	7	2,107	4	21,073	37	6,322	11	0	0	0	0	0	0	56,898	100
Muheza	12,379	30	3,095	7	3,095	7	15,474	37	4,642	11	0	0	3,095	7	0	0	41,779	100
Tanga	8,834	57	1,359	9	0	0	1,359	9	2,039	13	1,359	9	0	0	680	4	15,629	100
Pangani	4,921	37	547	4	0	0	3,280	25	3,280	25	547	4	547	4	0	0	13,122	100
Handeni	11,715	22	0	0	0	0	15,620	30	19,525	37	5,858	11	0	0	0	0	52,718	100
Kilindi	5,034	15	2,517	7	0	0	15,101	44	6,292	19	5,034	15	0	0	0	0	33,977	100
Mkinga	2,509	11	836	4	1,673	7	4,182	19	10,036	44	836	4	1,673	7	836	4	22,581	100
Total	85,993	26	29,990	9	6,875	2	######	32	80,010	24	13,633	4	5,314	2	1,516	0	330,779	100
%	26		9.1		2.1		32.5		24.2		4.1		1.6		0.5		100	

10.15: HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Time Spent to and from Main Source of Drinking Water in wet season and District , 2007/08 Agricultural Year

	Less than10 Minutes		10 - 19 Minutes		20 - 29 Minutes		30 - 39 Minutes		40 - 49 Minutes		50 - 59 Minutes		Above 1 Hour		Total	
District	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	**0**	**0**	**24,390**	**26**	**3,484**	**4**	**52,264**	**56**	**3,484**	**4**	**0**	**0**	**10,453**	**11**	**94,075**	**100**
Korogwe	**23,181**	**41**	**8,429**	**15**	**4,215**	**7**	**14,751**	**26**	**0**	**0**	**2,107**	**4**	**4,215**	**7**	**56,898**	**100**
Muheza	**13,926**	**33**	**1,547**	**4**	**1,547**	**4**	**15,474**	**37**	**3,095**	**7**	**1,547**	**4**	**4,642**	**11**	**41,779**	**100**
Tanga	**8,834**	**57**	**2,039**	**13**	**0**	**0**	**1,359**	**9**	**680**	**4**	**0**	**0**	**2,718**	**17**	**15,629**	**100**
Pangani	**4,921**	**37**	**547**	**4**	**0**	**0**	**1,640**	**13**	**0**	**0**	**1,093**	**8**	**4,921**	**37**	**13,122**	**100**
Handeni	**9,763**	**19**	**1,953**	**4**	**0**	**0**	**25,383**	**48**	**1,953**	**4**	**0**	**0**	**13,668**	**26**	**52,718**	**100**
Kilindi	**10,067**	**30**	**1,258**	**4**	**1,258**	**4**	**10,067**	**30**	**0**	**0**	**0**	**0**	**11,326**	**33**	**33,977**	**100**
Mkinga	**1,673**	**7**	**4,182**	**19**	**0**	**0**	**7,527**	**33**	**0**	**0**	**0**	**0**	**9,200**	**41**	**22,581**	**100**
Total	**72,364**	**22**	**44,344**	**13**	**10,505**	**3**	######	**39**	**9,211**	**3**	**4,748**	**1**	**61,141**	**18**	######	**100**
%	**22**		**13.4**		**3.2**		**38.8**		**2.8**		**1.4**		**18.5**		**100**	

10.18: HOUSEHOLD FACILITIES: Number of Agricultural Households Reporting Time Spent to and from Main Source of Drinking Water in Dry season and District , 2007/08 Agricultural Year

District	Less than10 Minutes		10 - 19 Minutes		20 - 29 Minutes		30 - 39 Minutes		40 - 49 Minutes		50 - 59 Minutes		Above 1 Hour		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	0	0	20,906	22	3,484	4	38,327	41	0	0	0	0	31,358	33	94,075	100
Korogwe	18,966	33	6,322	11	4,215	7	6,322	11	0	0	4,215	7	16,859	30	56,898	100
Muheza	12,379	30	1,547	4	1,547	4	7,737	19	3,095	7	0	0	15,474	37	41,779	100
Tanga	7,475	48	1,359	9	680	4	1,359	9	1,359	9	0	0	3,398	22	15,629	100
Pangani	4,374	33	547	4	0	0	1,093	8	0	0	0	0	7,108	54	13,122	100
Handeni	1,953	4	0	0	0	0	19,525	37	1,953	4	0	0	29,288	56	52,718	100
Kilindi	3,775	11	2,517	7	1,258	4	8,809	26	0	0	0	0	17,618	52	33,977	100
Mkinga	836	4	1,673	7	836	4	4,182	19	836	4	0	0	14,218	63	22,581	100
Total	49,758	15	34,870	11	12,021	4	87,354	26	7,243	2	4,215	1	135,319	41	330,779	100

10.7: 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		Pit latrine - traditional		Improved pit latrine - hh owned		Other type (specify)		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	697	1	697	1	88,965	95	3,717	4	0	0	94,075	100
Korogwe	2,107	4	1,264	2	50,295	88	3,231	6	0	0	56,898	100
Muheza	1,444	3	413	1	35,693	85	4,229	10	0	0	41,779	100
Tanga	3,669	23	589	4	8,924	57	2,446	16	0	0	15,629	100
Pangani	2,843	22	219	2	7,837	60	2,223	17	0	0	13,122	100
Handeni	7,940	15	651	1	42,825	81	1,302	2	0	0	52,718	100
Kilindi	4,530	13	503	1	28,440	84	503	1	0	0	33,977	100
Mkinga	8,085	36	167	1	12,712	56	1,617	7	0	0	22,581	100
Total	31,316	9	4,503	1	275,691	83	19,269	6	0	0	330,779	100
%	9		1		83		6		0		100	

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

District	Number of Meals							
	one		two		three		Total	
	Number	%	Number	%	Number	%	Number	%
Lushoto	4,878	5	30,429	32	58,768	62	94,075	100
Korogwe	1,545	3	12,223	21	43,130	76	56,898	100
Muheza	516	1	8,872	21	32,392	78	41,779	100
Tanga	136	1	6,161	39	9,332	60	15,629	100
Pangani	109	1	4,082	31	8,930	68	13,122	100
Handeni	781	1	10,283	20	41,653	79	52,718	100
Kilindi	587	2	9,396	28	23,994	71	33,977	100
Mkinga	558	2	9,813	43	12,210	54	22,581	100
Total	9,110	3	91,259	28	230,409	70	330,779	100
%	3		28		70		100	

10.11: 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	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Lushoto	24,390	26	33,449	36	8,595	9	14,866	16	12,776	14	94,075	100
Korogwe	25,148	44	19,387	34	4,215	7	5,479	10	2,669	5	56,898	100
Muheza	18,362	44	16,299	39	1,857	4	4,436	11	825	2	41,779	100
Tanga	7,883	50	5,346	34	997	6	951	6	453	3	15,629	100
Pangani	6,998	53	3,681	28	656	5	1,057	8	729	6	13,122	100
Handeni	12,756	24	18,744	36	7,810	15	8,721	17	4,686	9	52,718	100
Kilindi	13,171	39	13,507	40	2,181	6	2,265	7	2,852	8	33,977	100
Mkinga	4,460	20	7,917	35	2,788	12	5,743	25	1,673	7	22,581	100
Total	113,168	34	118,331	36	29,098	9	43,519	13	26,663	8	330,779	100
%	34		36		9		13		8		100	

APPENDIX III: QUESTIONNAIRE

United Republic of Tanzania

ACQ1 *CONFIDENTIAL*

Small holder/Small Scale Farmer questionnaire

Identification

Agricultural Sample Census 2007/2008

Enumerator Name ..... **Signature** .....

Date of Enumeration

d d / m m / y y y y

Start Time

End Time

Hour	Minutes

Field level checking by:

District Supervisor	Name	Signature	Date ... / ... / ...
Regional Supervisor	Name	Signature	Date ... / ... / ...
National Supervisor	Name	Signature	Date ... / ... / ...

! To be filled by the supervisor ONLY after Field/farm level checking of the enumeration process. This should be countersigned by the Supervisor in front of the enumerator

Distric checking in Office

District Supervisor	Name	Signature	Date ... / ... / ...

All questionnaires must be checked at the district office.

For Use at Regional Level Only

Data entered by:	Name	Signature	Date ... / ... / ...
Queried	Name	Signature	Date ... / ... / ...

See the back page for details of queries

Ministry of 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..

l**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

1.1 **Location** **Identification**

Na.	Location Name	Codes
1.1.1	Rgion ……	
1.1.2	District ……	
1.1.3	Ward ……	
1.1.4	Village ……	

1.2 Deatails of the respondent or household head

Na.		Codes
1.2.1	Name and number of local leader	
1.2.2	Name and number of household head ……..	
1.2.3	**Sex of household head**	
1.2.4	Name of respondent ……..	
1.2.5	**Relationship of Respondent to household head**	

Relationship to household head codes (Q 1.2.5)
Head of Household *……..1 Son /Daughter…….3 Grandson/Granddaughter…….5 No relationship……7*
Spouse……..2 Father/Mother……4 Other relatives…..6

2.0 ACTIVITIES OF THE HOUSEHOLD

2.1	Typeof Agriculture Household	

Household agricultural activities codes(Q 2.1)
Crops only……1 Livestock only ……2 Pastoralist……3 Crops and Livestock ……4

Definition and working page for page 2

Question Specific Definitions:

Relation to head (Col 2):

Household Head: A person who is acknowledged by all other members of the household either by virtue of their age or standing as the household head.

Read and Write (Col 8)

Any other language: Must be a written language.

For someone who can read and write in Kiswahili and any other language apart from English, the correct code is 1. For one who can read and write in English and any other language apart from Kiswahili the the correct code is 2. Code 4 should only be used for any other language which is not English or Kiswahili.

Education Level Reached (Col 10):

Ask the respondent the highest educational level reached. This aims at establishing whether at the time of enumeration the member of the household is studying has completed or has never studied. Make further enquiry for the level of education reached for those who have completed studies. Establish if the member had attained any training after graduation for the purposes for completing column number 9. For those who still continue attending studies during the period of this survey, establish their learning stage. For instance for a household member who studied up to Standard Three but did complete his/her education at this level, then his/her highest education level reached is Standard Two. For those indicated under code 3 (not studied) in column 8 should be marked code 99 (Not applicable) in column 9.

Section 3.0 Note

Make sure that you define the hh proper to ensure that all the members of the hh are included. Ensure that you stress that the hh is not just the hh heads direct family and that it includes other people living and eating together with the family.

If you notice that the hh is large or you see many people around the hh and you have been given a smaller number of the hh members, make further enquiries until you are sure that you have captured all the hh members.

Section 3.0 Household information.

ii) For each household member complete columns 1,2,3 and 3
After completing columns 1, 2, 3 and 3 for each household member, go back to the first household member and complete the remaining columns for that member.
iii) Repeat step 2 for the rest of the household members.

3.0 HOUSEHOLD INFORMATION

Identification

3.1 Give details of personal particulars of all hh members beginning with hh head

Na.	Names of hh members *(Start with hh Head)*	Ex Start with hh Head	Sex M = 1 F = 2	Age *(98 years or more enter 97, under one year old write 00)*	Marital Status	Parental Survival		Not applicable for children under 5 years					
						Mother	Father	Reard and Write	Education status	Levek of education attained	On farm engagements	Main activity	Off farm income yes=1 no=2
	(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*
01	……..…	1											
02	……..…												
03	……..…												
04	……..…												
05	……..…												
06	……..…												
07	……..…												
08	……..…												
09	……..…												
10	……..…												
11	……..…												
12	……..…												
13	……..…												
14	……..…												
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18	……..…												
19	……..…												
20	……..…												
21	……..…												
22	……..…												
23	……..…												
24	……..…												
25	……..…												
26	……..…												
27	……..…												
28	……..…												
29	……..…												
30	……..…												
31	……..…												
32	……..…												
33	……..…												

Relationship to household head (Col 2)

Head of household.....1
Female/Male…..…..….2
Son/Daugther…….....3
Father/Mother……...….4
Grandson/daughter….5
Other Relatives….....6

Marrital Status(Col 4)

Married.....…….1
Single.....…….…2
Co-habiting 3
Divorced
Separated..... ……..…...4
Widow/widower...……..5

Survival of Parents(Col 6 & 7)

Yes.....1 No 2
Dont't know ...…….3

Ed.ucation Level(Col 9)

Studying ……..1
Has completed…….....2
Never been to school ..…3

Reading and writing (Col 8)

Kiswahili…….....……..1
English …….....……2
Kiswahili and English….....3
Lugha nyingine…….....…...4
Canno tread or write.....….5

Education Level (Col 10)

Primary education	Secondary Education
Below Standard One.....00	Form One.....11
Standard One 01	Form Two 12
Standard Two.....02	Fomr Three.....13
Standard Three.....03	Form Four 14
Standard Four.....04	Form Five 15
Standard Five.....05	Form Six 16
Standard Six 06	Training after Seo.ondary Ed.....17
Standard Seven.....07	University and other Tertiary Ed...8
Daras Standard Eight ..08	Adult
Education.....19	
Training after Primary Ed...09	Not apllicable 99
Pre Form One.....10	

Involvement in farming activitie (Col 11)

Works on farm full time…...1
Works on farm part time…..2
Rarely works on farm.....3
Never works on farm..... 4

..... **Main activity (Col 12)**

Crop farming: ……..01.
Livestock farming/herding: ….02.
Pastoralist ……03
Fishing ……..04
Fish farming ……05
Paid employment / Government/parastal……06
Private/NGOs ……07
Self employee (Off- farm cativities)
- With employees ……...08
- Without employees ……...09
Non paid household member (off – farm activities) ……10.
Unemployed but available for work ….11
Unemployed but unavailable for work..12
House mother ……13
Student ……14
Unable to work too old, too young, retired, disabled,child 15
Others (specify) …….....98

Off-farm Income (Col 13)

These are income made from activities NOT on the HH's farming activites. This can be from formal employmenbt (e.g. in gpvrenment etc.), temporary jobs, casual labourers and income generation activity and includes working for cash on other people's farms.
Indicate whether each member was involved in an off farm income generating activity during 2007/08

Definitions and working page for page 3

Definitions for Key Specific Questions
Section 4.1 – Land Access/Ownership
These are areas that were used by the households for the 2007/08 farming season

Lease/Certificate of Ownership: Area under lease/certificate of ownership refers to the areas which were issued by the government. The household possesses government issued leasehold little or certificate of ownership. The land will normally be officially surveyed and boundaries marked. This includes leased land bought from others where the lease/certificate of ownership has been transferred.

Customary Law: This refers to the land which the household does not have an official government but its right of use is granted by the traditional leaders.
Bought: This refers to the areas of customary land that has been bought from others. This land does not have an official title and therefore is not leasehold.
Rented from others: Land rented from others for cash or for a fixed amount in crop produce (e.g. fixed number of bags at harvest).

Borrowed: use granted by land owner free of charge. Land owner can either be a lease holder or has right of access through customary law.
Share cropping: where the household is permitted to use land which is then paid for from a percentage of the harvested crop

Section 4.2 Land Use
Temporary crops: are sown and harvested during the same agricultural year
Permanent crops: are crops once sown or planted last for some years and need not to be replanted after each annual harvest.
Permanent crops /mixed crops: This is a mixture of permanent and seasonal crops. The two crops can either be randomly planted together or in a particular pattern e; for example intercropping (1 row of maize and 1 row of beans). A field that has been divided into plots for different crops is not mixed).
This is further subdivided into:
Mixture of Permanent crops – two or more permanent crops grown tougher
Mixture of Permanent and Temporary crops – permanent crop and annual crop together
Mixture of Temporary crops– two or more temporary, annual crops grown together
Pasture land: this is an area of owned/allocated land which is set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilized or where other means have been applied to improve the pasture. Or it can be natural pasture.
Natural Bush: Land which has naturally grown shrubs and trees and is considered productive but is not utilized for farming or livestock production.

Overview to section 4

Overview to section 4
Section 4.0: Preliminary note
Land Access/Ownership
Land access/ownership refers to the area utilized by the members of the household. This does not include communal land where the resources are shared between household members. It does not include official communal land that the household has sole access to for example a plot for crop farming in the communal area.

Procedures for questions

Section 4.0 – Land Ownership
1. Ask the respondent if he knows the total areas of land the household has sole access to. If he knows make a note in the calculation space
2 Ask the respondent the area of the different land ownership categories the household has sole access to (Q4.1, 1 to 4.1.7) and record in the appropriate spaces.
3. Add up the area of the different categories of land and compare it with the total area obtained in step 1 (if the respondent provided the information)
4. If the total area is different find out which one is correct and make

Section 4.2: Land Use
1. Ask the respondent the area of the different land use categories the household has sole access to (Q4.2.1 to 4.2.12) and record in the appropriate spaces.

2. Add up the area of the different categories of land and compare it with the total area obtained in section 4.0. The total area should be the same.

3. If the total area is different find out which one is correct and make amendments where appropriate.

4.0 LAND ACCESS/OWNERSHIP/TENURE Identification

4.1 LAND ACCESS/OWNERSHIP/TENURE

Give details on Area owned by the household during 2007/08 agricultural season.

	Give area as reported by the respondent in acres	Area in Acre		
			4.1.8	Was the whole household area used during the 2007/08 agricultural season? (Yes=1, No=2)
4.1.1	Area under certificate of ownership			
4.1.2	Area owned under customary law			
4.1.3	Area bought		4.1.9	Do you consider to have enough land for your household? (Yes=1, No=2)
4.1.4	Area rented from others			
4.1.5	Area borrowed from others			
4.1.6	Area share cropped from others		4.1.10	Is there any female who owns land or has customary rights to land ownership in this household? (Yes=1, No=2)
4.1.7	Area under other forms of tenure			
	Total area			

4.2 LAND USE

Area used by the household for various agricultural activities during 2007/08 agricultural season

	Enter area as reported by the respondent in acres	Area in acre	Working space for calculations
4.2.1	Area planted temporary monocrops		
4.2.2	Area planted temporary mixed crops (e.g. maize and beans)		
4.2.3	Area planted permanent moncrops		
4.2.4	Area planted permanent mixed crops (e.g. banana, coffee, trees)		
4.2.5	Area planted permanent and temporary mixed crops (e.g. maize and banana)		
4.2.6	Area under pasture		
4.2.7	Area under fallow		
4.2.8	Area under natural forest		
4.2.9	Area planted trees		
4.2.10	Area rented to others		
4.2.11	Area unsuitable for agricultrure		
4.2.12	Uncultivated arable land (minus area under fallow)		
	Total area		

Definitions and working page for page 4

Working table for the calculation area for annual mixed crops

Mixed crops 1	Crop Name	Total area of mixed (acre)	Area for plants (acre)	Total number of plants	Total area of plants (acre)
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)=(d)*(e)*
Permanent crop 1			0.000		0.00
Permanent crop 2			0.000		0.00
Permanent crop 3			0.000		0.00
Permanent crop 4			0.000		0.00
			Total area for permanent crops		0.00
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		0.00
Permanent crop 2			0.000		0.00
Permanent crop 3			0.000		0.00
Permanent crop 4			0.000		0.00
			Total area for permanent crops		0.00
Total area for mixed crops			**The remaining area for temp crops**		

	% of temporary	Area for temporary crop
Name of the crop temp/permanent 1		
Name of the crop temp/permanent 2		
Name of the crop temp/permanent 3		
Check total area	Check total area for temporary crops	

Planted Area: Area in acre the household was able to plant
Harvested Area: Area in acre the household was able to harvest a large portion of harvests. this is the same as the area planted minus the area that was destroyed by floods/ pets /

Temporary/Annual Crops
Crops planted and harvested within 12 months after which time the plants die . Most annual crops are planted and harvested on a seasonal base.

Cash crop codes:

Code	Crop
50	Cotton
51	Tobacco
53	Payrethrum
62	Jute
19	Seaweed

Crop Codes(Creal / Tubers/ Roots:

Code	Crop
11	Maizei
12	Paddy
13	Sorghum
14	Buirush Millet
15	Finger Millet
16	Wheat
17	Barley
22	Sweet Potatoes
23	Irish Potatyoes
24	Yams
25	Cocoyamsi
26	Onions
27	Gingeri

Vegetable Codes:

Code	Crop
86	Cabbage
87	Tomatoes
88	Spinach
89	Carrot
90	Chillies
91	Amaranths
92	Pumpkin
93	Cucumber
94	Egg plant
95	Water mellon
96	Cauliflower
06	Melllon
05	nyanyachungu
02	Ocra
03	Radish
01	Green Beans
04	Bizari

Crop Codes Legumes and Oil

Code	Crop
31	Beans
32	Cowpeas
33	Green Gram
34	Chick Peas
35	Dengu
36	Bambara nuts
37	Njegere
41	Sun flower
42	Simsim
43	Ground uts
47	Soya beans
48	Caster Seed

Instructions for calculating the area of mixed crops in a mixture

A. If the mixed crop is mixed annual ly only enter the total area of the field in the remaining area under temporary Crop and go to step one of these instructions.

B. If the mixed crop is mixed permanent and annual try to work tyhe percent age taken by the different crops and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annula crops in the mix.

C: Number of trees method to calculate annual crop areas in a permanent-annual crop mix.:

(i) List each of the permanent crop in column **b** and enter the ground area per acre for each permanent crop (from instrcutions for page 8) in colum d.

(ii) Enter the number of permanent trees in the mix in collumn e as will be provided to you by the respondent

(iii) Calculate the area occpied by each crop by multiplying collumn d and collumn e and sum up these to obatin the total area of permanent crops in the mix.

iv) To obatin the area for tempofrary crops , substract **(-)** the area fro permanent crops from thne total area of crop mix and enter the resulst in in the total area under temporary crops.

(v) Proceed to step 1 to calculate the area under each temporary crop.

1. Enter the name of each temporary crop in tyhe crop mix and estimate percentages of each crop**.**

2. Using the percentage for each crop, calculate the are for each crop from the remaining area under tenmporary crop.

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

4. Once the quantity harvested is obtained , cakIculate the yields (metric tonnes/acre) and compare the figures with the norms given in the crops code box. If there is significantly differentce, check the area and the amouint harvested..

5.0 **PERMANENT AND TEMPORARY CROP PRODUCTION** **Identificatoion**

5.1 **ANNUAL CROPS AND VEGATBLE PRODUCTION-SHORT RAINY SEASON**

Did your household palnted any crop duding short rainy season for 2007/08 agricultural year? Yes = 1, No = 2,(If the answer is yes proceed to Section 5.3)

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

Name of Crop	Planting: Crop code	Planting: Actual area plnated (acre)	Main crop owner: Enetr the number of the hh member from page 2 on informati on for hh members	Pembejeo: Use of Seeds: The type of seed plant ed	Use of seeds	Quantity: Quant ity	Quantity: Quantity used	Cost (Tshs)	Irriga ted area	Use of fertilisers (If 6 is the answer in col 11 proceed to col 16): Cultiv ated area	Tyep of fertili sers used	Quantity of fertilisers: Meas urem ent	Quantity of fertilisers: Quantity used	Coist (Ths)	Use of chemicals agaisnt weeds (If 6 is the answer in col 11 proceed to col 20): Cultiv ated areaE neo lililot umik a	Qunaity of agrochemicals: Quant ity	Qunaity of agrochemicals: Quantity used	Cost
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*	*(8)*	*(9)*	*(10)*	*(11)*	*(12)*	*(13)*	*(14)*	*(15)*	*(16)*	*(17)*	*(18)*	*(19)*
……																		
……																		
……																		
……																		
……																		
……																		
……																		
……																		
……																		
Total area planted																		

Type of seeds planted (Col 5)
Local seeds …1
Improved seeds……....2

Use of agricultural seeds (Col 6,)
For the whole crop……..1
3/4 of the whole crop……..2
1/2 of tyhe whole crop……..3
1/4 ofd the whole crop……..4
Under 1/4 of the whole crop...5

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

Use of farm inputs (SCol10,11 & 16)
For the whole crop……..1
3/4 of the wholrecrop……..2
1/2 of tyhe whole crop……..3
1/4 ofd the whole crop……..4
Under 1/4 of the whole crop...5
Not used ……..6

Type of fertilsers (Col 12)
Organic fertiliser……....1
inorganic fertlisers…….2

Quantity (Col 17)
Kig ……1
Litre.....2
Gram…..3
Millilitre…..6

Kipimo (S/wima 13)
Kilo …….1
Lita.....2
Milli-lita..3

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

5.2 ANNUAL CROPS AND VEGATBLE PRODUCTION-LONG RAINY SEASON CONTINUED …

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

Identification

Name of crop	Crop code	Use of fungicides (If 6 is the answer in col 20 proceed to col 24)				Use of pesticides (If 6 is the answer in col 24 proceed to col 28)				Harvesting and Storage			Marketing		
		Area used	Size		Cost	Area used	Size		Cost	Quantity harvested (kg)	Quantity stored (kg)	Main storage methods	Quantity sold (kg)	Where was the crop mostly sold?	Main problems in crop marketing
			Quantity	Used			Quantity	Used							
(1)	(2)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
……															
……															
……															
……															
……															
……															
……															
……															
……															

Use of farm inputs (Col 20&24)

For the whole crop.....1
3/4 of the wholrecrop.....2
1/2 of tyhe whole crop.....3
1/4 ofd the whole crop.....4
Under 1/4 of the whole crop...5
Not used 6

Quantity (Col 21&25)

Kig 1
Litre.....2
Gram.....3
Millilitre.....6

Main Storage mechanisms (Col 30)

Locall storage facilities.....1
Improved Local storage facilitiiies 2
Modern store.....3
Open drums/sacks.. 4
Cealed drums.....5
In heaps.....O.....6
not Stored.....7
Other means ()Specify.....8

Where the crop was sold(Col 32)

Neighbours.....01 Private Businessman.....08
Open markets. .....02 Contract farming.....09
Auctions.....03 Not sold.....10
Main Market.....04 Others 98
Cooperative Union....05
Farmers Association..06
Large Scale farm.....07

Marketing problems (Col 33)

Very low prices.....01 No problem 11
No transport.....02 Others (Specify 98
High transport costs.....03 Not applicable 99
Lack of crop buyers 04
Markets located far away ..05
Problems with farmers Associations 06
Probloems with cooperative Unions 7
Problems with Businessmen Association ...8
Strigent Government Conditions ...9

Definitions and working page for page 5

Storage (Col. 30, Q 5.1.1):
- **Traditionally Made strcutures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of tradional storagesrutures improved through modern technology.

Marketing Challenges Q 5.1.1 Col. 33:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.1.1)

Farm Yard Manure: An organics fertliser made on farm from animal dung. .
Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Working area/calculation space

Questions specific definitions

Q 5.1.1. Instructions on crops storage:
1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.

2. For the listed crops give explanations on storage.

Crops storage is keeping/reserving crops in a container or a special place for future use.

Q 5.1.1 Col 31
1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Definitions and working page for page 6

Working table for the calculation area for annual mixed crops

Mixed crops 1	Crop Name	Total area of mixed (acre)	Area for plants (acre)	Total number of plants	Total area of plants (acre)
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)=(d)*(e)*
Permanent crop 1			0.000		0.00
Permanent crop 2			0.000		0.00
Permanent crop 3			0.000		0.00
Permanent crop 4			0.000		0.00
Total Area for mixed crops			Total area for permanent crops		0.00

The remaining area for temp crops .

	% of temporary	Area for permanent crop
Name of the crop temp/permanent 1		.
Name of the crop temp/permanent 2		.
Name of the crop temp/permanent 3		.
Check total area .	Check total area for temporary crops	.

Mazao mchanganyiko 2	Name of plant	Total area mix (acre)	Area for the plant (acre)	Total of plants	Total area for plants (acre)
(a)	*(b)*	*(c)*	*(d)*	*(e)*	*(f)=(d)*(e)*
Permanent crop 1			0.000		0.00
Permanent crop 2			0.000		0.00
Permanent crop 3			0.000		0.00
Permanent crop 4			0.000		0.00
Total area for mixed crops			Total area for permanent crops		0.00

The remaining area for temp crops .

	% of temporary	Area for temporary crop
Name of the crop temp/permanent 1		.
Name of the crop temp/permanent 2		.
Name of the crop temp/permanent 3		.
Check total area .	Check total area for temporary crops	.

Planted Area: Area in acre the household was able to plant
Harvested Area: Area in acre the household was able to harvest a large portion of harvests. this is the same as the area planted minus the area that was destroyed by floods/ pets /

Temporary/Annual Crops
Crops planted and harvested within 12 months after which time the plants die . Most annual crops are planted and harvested on a seasonal base.

Cash crop codes:

Code	Crop
50	Cotton
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 information for hh	Uses of seeds					Irrigation	Uses of Fertilisers (If 6 is the answer in col 13 proceed to col. 17)			
Name of permanent/perennial crop	crop code of permanent / perennial crop/fruit trees	Area for trees/seedling/branch/bushes	Are for mixed crops (Acre)	Number of Tplants/ trees in the crop mixh of permanent and perennial crop		Type of planted seeds	Cultivated area	Size: Quantity	Size: Used	Cost (Ths)		Area used	The type of fertiliser used	Quantity of fertiliser (kg)	Cost (Ths)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
.....															
.....															
.....															
.....															
.....															
.....															
.....															
.....															
.....															

Type of seed planted (Col 7)
Local seeds.....1
Improved seeds.....2
Dont't know/ Not applicable...3

Main crop owner (Col 6):
nter the number of the hh member from page 2 on information for hh members in Q 3

Area 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 of fertilsers (Col 14)
Organic fertiliser... 1

5.3 PERMANENT/PERENNIAL CROPS AND FRUIT TREE PRODUCTION CONTINUED …..

Identification

5.3.1 Give details on permanent/perennial crops or fruit trees during 2007/08 agricultural year

Name of crop	Crop code	Uses of weeds control chemical (If 6 is the naswer in col 17 Proceed to col 21)				Use of fungicides (If 6 is the answer in col 20 proceed to col 24)				Use of pesticides (If 6 is the answer in col 25 proceed to col 29)				Crop harvesting and storage					Marketing	
		Area used	Size		Cost	Area used	Size		Cost	Area used	Size		Cost	Harvested area (acre)	Quantity of mature plants	Quantity harvested (kg)	Quantity stored (kg)	Njia Kuu ya kuhifadhi	Quantity sold (kg)	Main marketing problem
			Quantity	Used			Quantity	Used			Quantity	Used								
(1)	(2)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)
.....																				
.....																				
.....																				
.....																				
.....																				
.....																				
.....																				
.....																				
.....																				

Area used (Col 20&24)

For the whole crop.....1
3/4 of the wholrecrop..... 2
1/2 of tyhe whole crop..... 3
1/4 ofd the whole crop..... 4
Under 1/4 of the whole crop...5

Main Storage mechanisms (Col 33)

Locall storage facilities... 1
Improved Local storage facilitiiies 2
Modern store... 3
Open drums/sacks..... 4
Cealed drums.... 5
In heaps.....6
not Stored.....7
Other means ()Specify..... 8

Marketing problems (Col 35)

Very low prices.....01 No problem 11
No transport.....02 Others (Specify 98
High transport costs.....03 Not applicable 99
Lack of crop buyers 04
Markets located far away ..05
Problems with farmers Associations 06
Probloems with cooperative Unions 7
Problems with Businessmen Association ...8
Strigent Government Conditions ...9

Quantity (Col 18, 22, & 26)

Kig 1
Litre.....2
Gram... ...3
Millilitre... ..6

Definitions and working page for page 7

Storage (Col. 30, Q 5.2.1):
- **Traditionally Made strcutures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of tradional storagesrutures improved through modern technology.

Marketing Challenges Q 5.2.1 Col. 33:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.2.1)

Farm Yard Manure: An organics fertliser made on farm from animal dung. .
Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Working area/calculation space

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.

Definitions and working page for page 8

Permanent Crops:
These are crops once planted last longer in the farm and need not be replanted after each annual harvest. Most of the permanent plants include tress such as coconut tress, apple trees, grape trees, banana trees, pineapple trees etc.

Number of Trees:
These include manure trees and premature trees.

Number of mature plants:
A total of fruit bearing tress (e.g. mango trees, orange trees, avocado trees e.t.c).

Instructions for permanent monocrops and crop mix:
A. For a field with permanent monocrop enter farm size in collumn. 3.
B. For a field with a permanent crop mix or a temporary crop mix, enter the number of trees only in collumn **4**.
C. For a field with a permanent crop mix /temporary annual crops , either:
-Enter the area in collumn 4, if the total arae for permanent crops was obatined through calcualtion of percentages of each crop
OR
Enter the number of tree in collumn 5, if the number of plants/ seedlings of permanent crops was excluded

21 Cassava: Cassava is a temporary crop, in order to simplify data collection on areas of production, data on cassava will be collected from areas under permanent crops.

Permanent crops:(crop oils)

Code	Crop	Area per crop
44	Palm Trees	0.00049
45	Coconut tree	0.00037
46	Cashew nut tress	0.00062

Permanent crops (Cash crops)

Code	Crop	Area per crop
53	Sisal	0.00012
54	Coffee	0.00049
55	Tea	0.00037
56	Cocoa	0.00049
57	Rubber	0.00099
58	Wattle	0.00099
59	Kapok	0.00124
60	Sugar-cane	0.00012
61	Cardamon	0.00049
63	Tamarin	0.00099
64	Cinarmon	0.00124
65	Nutmeg	0.00099
66	Clove	0.00074
18	Black pepper	0.00037
34	Pigeon Peas	0.00025
21	Cassava	0.00019
75	Pineapple	0.00006
86	Lemon Grass	

Permanent crops:

Code	Crop	Area per crop
70	Passion Fruit	0.00074
71	Bananas	0.00037
72	Avocado	0.00099
73	Mango	0.00099
74	Pawpaw	0.00037
76	Orange	0.00074
77	Grape fruit	0.00074
78	Grape	0.00012
79	Mandarin	0.00074
80	Guava .	0.00074
81	Plums	0.00074
82	Apples	0.00074
83	Peaches	0.00074
84	**Mifyoksi**	0.00074
85	Lime/lemon	0.00074
68	Pomelo	0.00099
69	Jack Fruit	0.00074
97	Durian	0.00074
98	Bilimbi	0.00074
99	Rambutan	0.00074
67	Bread Fruit	0.00099
38	Malay apple	0.00074
39	Star Fruit (Sakua)	0.00074

Definitions and working page for page 9

Storage (Col. 33, Q 5.3.1):
- **Traditionally Made strcutures:** The design of storage structures villagers have inherited from forefathers .
- **Improved Traditionally made structures:** The design of tradional storagesrutures improved through modern technology.

Marketing Challenges Q 5.3.1 Col. 35:

- **Farmers' Association:** Village farmers who came together and started an association for the puporses of purchasing inputs/selling/storage of crops aiiming at fetching better prices.
- **Cooperative Union:** A large inter-village/community set up in the district/ region or at national level for providing inputs, markets and storage of farmers' crops.
- **Government Regulatory laws for crops marketing:** Government instituted laws for regulating transportation and selling of crops.

Inputs (Q 5.3.1)

Farm Yard Manure: An organics fertliser made on farm from animal dung. .
Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Questions specific definitions

Q 5.3.1. Instructions on crops storage:
1. For the listed crops establish whether or not the household stored crops for 2007/2008 agricultural season.

2. For the listed crops give explanations on storage.

Q 5.3.1 Col 35
1. For each of crops listed indicate major marketing problems for 2007/2008 agricultural season.

Working area/calculation space

Definitions and working page for page 10

Investment in agriculture
Investment activities:
Investment activities refer to medium to long term farm development structures and projects. This can be irrigation structures, erosion conrol and water harvesting structures or other permanent or semi-permanent investment made on the land that the household owns.

Irrigated farming: Section 6.5:
Source of irrigation water (Col 1): The main source of the water used for irrigation.
Method of obtaining water (Col 2): The mechanism by which the water is extracted from the source
Irrigatable area (Col 3): The area the irrigation system is designed to cover in acrage
Area of irrigated land during the 2007/08 (Col 5): Area of land under irrigation during the 2007/08 agricultural year. This is the actual area nd NOT the cumulative areas recultivated in 2 or more cropping seasons.

Farm Implements (Col. 1):

Machette : Includea all implements use in tree cutting namely cicle, et.c.

Sprimkler: The pump carrued on the back or a hand used water pump
Hand used small tractor: A small tractor used in cultivation while the user walks on foot (see photo).

Section 6.2 Use of draft animals
Animals used in agricultural activities by the household during 2007/08 agricultural season.

Castrated Bulls: Castrated oxen meant for use in agricultural production.
Uncastrated Bulls: mature bulls used for garicultrural activities but are not castrated**.**
Cow: Farmers also use mature female cattle in agricultural activities due to shortage of bulls
Donkey: Mature Male or female donekys are also used for agricultural production.

Q 6.5 Irrigation.
1. If a household uses irrigated farming give explanations aon source and method of obatining water**.** .
2. See Col 10, Q. 5.1.1 and 5.2.1 and **Col** 12, Q 5.3.1 to see if irrigation was applied to any crop.

Farm implements, Q 6.1:
1. Collumn **2** Indicate whether or not inputs were used
2. Complete collumn 3 by entering the number of inputs used.

Farm inputs: Sections 6.3 and 6.4

1. Collumn **2** Indicate whether or not inputs were used.
2. Compelte collumn 3 by indicating where the inouts were obatined and collumn 4 by indicating the distance from where the inputs were obatined

Compost: An organic fertiliser made on farm from decomposed plant materials.
Insectcides: This is the chemical usde in protecting plants or killing pests.
Fungicides: Protects plants from fungi attack.
Herbicide: Chemicals used to control or kills weeds.
Improved seeds: Scientifically attested to be suitable for agricultural use.

Tractor tiller	
Tractor hallow	
Castrated bulls	
Uncastrated bulls	
Cows	
Donkeys	
Shredding Machine	
Power Tiller	
Oxen pulled plough for making terraces	

6.2.6	Power Tiller	

6.3 USE OF ORGANIC FERTILISERS

6.3.1 Give details on the use of organic fertlisers during 2007/08 agriculture year

	Type of fertiliser	Used Yes=1, No=2	Quantity	Quantity used	Area used (Acre)
	(1)	(2)	(3)	(4)	(5)
6.3.2	Manure				
6.3.3	Compost				

KQuantity (Col 3)
Kg……1
Ton……2

ACCES TO INPUTS

Give details on inputs used during 2007/08 agricultural year

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

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			

Distance from the source (Cola 4)
Under 1 kilometre……1
Btween One and three kilometres ……2
Btween three and 10 killometres3
Between 10 and 20 Kilometres ……4
Over 20 Kilometres……5
Not applicable……9

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

IRRIGATED FARMING

Did the household use irrigated farming during 2007/08 agriculture year? Yes=1, No = 2

If the answer is yes proceed to Section 6.6

Na.	Main source of water for irrigation	Main source of obtaining water	Area that can be irrigated (Acre)	Area irrigated during 2007/08 agriculture year (Acre)
	(1)	*(2)*	*(3)*	*(4)*
6.5.2				

Means of obtaining water(C0l2)
Flwoing. (gravity)……1
Using a bucket……2
Water pump (using hand or leg)……3
Electric /fuel driven pump/ mafuta……4
Other (Specify)……8

Definitions and working page for page 11

Q 6.6

The type of erosion contro/Water harvesting (Col 1)
Terraces: Structures constructed on mountain slopes to provide flat terrain for crop planting.

Erosion control bunds: these are bunks of earth/stones built perpendicular to the slope to slow dowm the speed of water and thus preventing soil erosion. Its differs from terraces in that the soils on these banks are not at ground level **.**

Gabions: A box like structure made of wire and filled with large stones to prevent gully errosion.

Sand bags: Are used in controlling and preventing gully errosion
Tree belt/wind breaks: Trees planted against the wind direction for breaking wind speed..

Section 7.0 Acces to credit for crop or livestock production
Credit refers to something provided in cash or in kind (such as farm inputs, machines, livestock and other things) for crop or livestock production. The value of the credit must be repaid back to the lender. An Interest may or may not be attached to the value of the credit
The credit may be repaid either in cash or through farm produce to be harvested **.**

In this question the enumerator is at liberty to inquire up to three sources of credit where the farmer accessed credit from more than one source.

Section 8.0 Agricultural Extension Services
Agricultural Extension Services: Refers to educational services provided to farmers by exetsion officers for the purposes of increasing crop and livestock production.

Share-cropping: Refers to farming where smallholder / Smallscale farmer enters into an agreement with large scale farmer where the former sells produce to the latter in exchange of provisions of farm inputs and the like. .

Contract farming Farming: Farming agreement entered between smallscale and large scale farmerswith regards to markets of farm produce and provision of farm inputs

Q 6.6 Number of water harvestin structures and year of construction

1. The number water haversting structures refers to the number of wokring / maintained structures and does not include derelict or iireparable structures.

2. Year of construction refers to the year in which the structures were built, and not the year the structures were last repaired.The year should be written in figures e.g. 1998, 2006.

Section 7.0 Source of agriculture credit
If tghe farmer obtained credit from more than one source the use the code from the list provided. Start with the main source of credit in Section **"7.1.1".a**

Section 8.0 Agricultural extension services

1. Ask if the household did receive agricultural extension services during 2007/08 agricultural season from the respondents listed in collumn 1, then enter column 2.

2. Complete all columns for every extension officer**.**

6.6 SOIL EROSION Identification

6.6.1 Did the household experience soil erosion during 2007/08 agriculture year? *(Yes=1,No=2)*

6.6.2 Did the household applied any methods for erosion contro/water harvesting during 2007/08 agricultural year? (Yes=1, No =2) (If the answer is No, Proceed to Section *7.0)*

Na.	Mechanisms of controlling erosion/ Water harvesting	Number of water harvesting	Year of construction
	(1)	*(2)*	*(3)*
6.6.3	Terraces		
6.6.4	Bunks for erosion control		
6.6.5	Gabions/sand bags		
6.6.6	Vetiva leaves		

	Type of erosion control/water harvesting	Number of water harvesting	Year of construction
	(1)	*(2)*	*(3)*
6.6.7	Tree belt		
6.6.8	Soil bunks of water harvesting		
6.6.9	Trenches		
6.6.10	Other		

7.0 ACCESS TO ON FARM CREDITS

7.1 Is there any household member who accessed on farm credit during 2007/08 agriculture year? Yes=1, No=2 (If answer is NO, Proceed to Section *7.2)*

SELECT UP TO THREE SOURCES AND PROCEED TO QUESTIONA 8.0

(Source of credit Q 7.1.1, 7.1.2, 7.1.3)
Relative..... 1 Saccos....4 NGO/Development projectsi.....7
Bank... .....2 Busineman/Shop.....5
Cooperative Union.....3 Priviate individuaks.....6 Other.....9

		7.1.1a	7.1.2a	7.1.3a
Source of credit				
Credit provided to		7.1.1b	7.1.2b	7.1.3b
	(Male=1, Female=2)			

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 (Coki, 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 (2)	Number of improved cattle: for meat (3)	Number of improved cattle: Dairy (4)	Total (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 (1)	Type of cattle (2)	Number of milked cows (3)	Average of milk per cow per day (litre) (4)	Average number of days which your cows were milked (5)	Average price per litre per season (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 (1)	Number of indigenous goat (2)	Number of improved: for meat (3)	Number of improved: Dairy (4)	Total (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 (1)	Number of ilked goats (2)	Average of milk per goat per day (litre) (3)	Average number of days which your she goats were milked (4)	Average price per litre per season (5)
9.3.6	Rainy		.		
9.3.7	Dry		.		

Definitions and working page for page 13

Q 9.1 and 9.3 : What is required is to establish whether or not the household kept or raised the listed livetsock during 2007/08 agricultural season (i.e. from October 2007 to September 2008). Also to establish the number of livestock as of 1st October 2008

Keeping or raising livestock is to to keep livestock at home while providing the livestock with animal feeds and medication and other services. The livestock could be owned by the farmer or kept on behalf of relatives or neighbours .

Sections 9.4 Sheep

Note:
Q 9.4 is for the actual number of sheep owned or kept by the household (as of 1st October 2008). This number does not include sheep kept on behalf by relatives or neighbours; that is, the sheep outside the residential area of the household under survey.

1. If the the household keep ewes, it is expected that such a household will have calves which will be entered in question 9.1.6 or 9.1.7

Type of Sheepe (Sectioin 9.4.1 to 9.4.5)

Ram: Mature Uncastrated male sheept used for breeding

Castrated sheep: Male sheep that has been castrated

Ewe: Mature female sheep over 9 months of age

Lamb: Young sheep under 9 months of age.

Section 9.5 Pigs
Note:
Question 9.3 is for the actual number of pigs owned or raised by the household (as of 1st October 2008). This number does not include pigs kept on behalf by relatives or neighbours, that is the cattle outside the residential area of the household under survey. .

1. If the household has she goats, you would normally expect them to have kids in column

Type of Pigs (Qs 9.5.1 to 9.5.5)

Boar: Mature Uncastrated male pig used for breeing
Sow: Mature female pig that has given birth to at least one ltter of pigs.
Gilt; Female pig of over 3 months up to the first farrowing
Piglet: Young pig less than 3 months of age

Identification

9.4 SHEEP

Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No 2 (If the answer is No proceed to Section 9.5)

Number of sheep as of 1.10.2008

Na.	Type of sheep	Number of indigenous sheep	Number of improved	Total
	(1)	(2)	(3)	(5)
9.4.1	Ram			
9.4.2	Castrated sheep			
9.4.3	She sheep			
9.4.4	Male lamb			
9.4.5	Female lamb			
	Grand total			

9.5 PIGS

Did your household keep or raise cattle during 2007/08 agriculture year? Yes=1, No= 2 (If the answer is No proceed to Section 9.6)

Number of pigsp as of 1.10.2008

Na.	Type Pigs	Number of pigs
	(1)	(2)
9.5.1	Boar	
9.5.2	Castrated male	
9.5.3	Sow/Gilt	
9.5.4	Male piglet	
9.5.5	Female piglet	
	Grand total	

9.6 OTHER LIVESTOCK

	Type of animal	Number as of 1 October 2008	Number of eggs 2007/08 agriculture year
	(1)	(2)	(3)
9.6.1	Local chicken		
9.6.2	Layers		
9.6.3	Broilers		
9.6.4	Ducks		
9.6.5	Guinea pigs		

	Type of animal	Number as of 1 October 2008	Number of Eggs 2007/08 agriculture year
	1	(2)	(3)
9.6.6	Turkeys		
9.6.7	Rabbit		
9.6.8	Donkeys		
9.6.9	Horses		
9.6.10	Dogs		

Definitions and working page for page 14

Control of livestock dieases causing bugs

Livestock worm control medicine: Medicine used to kill or control livestock on livestock . It is often used for cattle, goats, sheep and pigs.

Tiick: Is a dangerous bug that sucks blood form livestock and transmits animals diseases from one to the other animal.

Tse tse fly: A fly like bug that sucks blood from livetsock and transmits diseases sleewping sickness from one to the other animal.

Livestock advice (Section 9.8)
IA service provided by extension officers to livestock keepers for increasing livestock production.

9.7	**LIVESTOCK DISEASES AND PEST CONTROL**		Identificatio
	Did you livestock during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is No proceed to Section 9.7.5		
9.7.1	Which animals did your deworm? (Yes=1,No =2, Not applicable=3 in the relevant box) Cattle **9.7.2** Goat/Sheep **9.7.3** Pigs **9.7.4** Poutry		
9.7.5	Do you experience tick problem with your livestock? (Yes =1, No = 2, Not applicable 3)		
9.7.6	How did you control tick problem? *Control method (Q. 9.7.6): Dipping……1 Spaying……..2 Application of medicine on back bone……..3 None..4 ……. Other……8*		
9.7.7	Do you experience Tse tse problem with your livestock? (Yes =1, No = 2, Not applicable 3)		
9.7.8	How did you control Tse tse problem with your livestock? *Control method (Q. 9.7.8): Dipping……1 Spaying……..2 Traps……..3 None..4 ……. Other……8*		
9.7.9 9.7.7	Do you experience Newcastle disease problem with your poutry? (Yes =1, No = 2, Not applicable 3)		
9.7.10	How do you control Newcastle disease problem with your poutry? *Control/Curative methods (Q. 9.7.10) Vaccination..1 Herbs….2 None..3*		
9.7.11	Did you experience Fowl Typhoid with your poutry?Yes=1, No=2 , Not applicanblei=3		
9.7.12	How did you cotrol/ cure Fowl Typhoid with your poutry? *Contro/curative methods(Swali 9.7.12 Vaccination..1 Herbs….2 Noe.3*		
9.7.13	Were your cattle vaccinated agaionst the following diseases? (Yes = 1, No = 2, Not applicable=3). **9.7.13 A:** Foot and Mouth diseases **9.7.13B:** Skin disease		

NOTE : *If answers to Qs 9.1 to 9.6 is No (THAIS HOUSEHOUSE DOES NOT RAISE LIVESTOCK,) Proceed to q 9.9*

9.8 Extenmsion services on livestock

Did you receive the following extension advice on the followingJe? *(IF THE ANSWER IS NO IN COL 2 PROCEED TO THE FOLLOWING QUESTION*

Na.	**Livestock extension advice**	Received Extension advice (Yes=1, No=2)	Soure of Extension
	(1)	(2)	(3)
9.8.1	Feed and better feeding methods		
9.8.2	Improved livestock shed (Goat, Dairy cattle, Poutry and pigs)		
9.8.3	Milking and hygiene		
9.8.4	Cattle fattening		
9.8.5	Livetsock diseases control		
9.8.6	Livestock keeping in line with land availability		
9.8.7	Pasture establsihment and maintanence		
9.8.8	Forming and strengthening groups/cooperatives		
9.8.9	Calf rearing		
9.8.10	Basics of production and use of improved bulls (AI)		
9.8.11	Animals feed production		
9.8.12	Other extension advice (Specify) ……		

Source of agriculture extesnion(S/wima 3)
SGovernment……1 NGO/Development project…..2 Cooperative Union….3 Large Scale farmer….4 Radio/TV/Newspapere.5 Neighbour……6 Other source …..8

Definitions and working page for page 15

General definitions

Fish farming: Refers to the rearing/production of fish. It is different from fishing in that in fish farming the fish have to be reared. While in fishing, fishing nets or traps are used to catch fish from rivers, lakes and the sea; thus fishing should not be included in this section

I

Question Specific Definitions (Q 9.9)

Production unit number (Col 1): A production unit is a pond river/lake which is treated as a separate entity for the production of fish eg it may be by virtue of manageable size, maturity of fish, tye of fish etc. eg. a farmer may have 3 fish ponds (each one is a separate production unit).

Frequency of stocking (Col . 5): What is the number of time the farmer puts new fingerlings into the pond each year.

Fingerlings: These are young immature fish used for stocking ponds.

Sols: (Col 10 & 11)

If no fish were sold enter "0" in column 10 and 11`

Fish sold (Col.12)

Kama hakuna samaki waliouzwa jaza "0" katika safuwima 12

Working space for page 15

9.9 FISH FARMING Identification

Did your household practice fish farming? Yes=1, No=2 (*If the answer is no proceed to section 9.10)*

Give details on the fish farming during 2007/08 agriculture year

No.	Number of Ponds	Aina ya ufugaji	Square area of pond (m^2)	Source of fingerings	What is the frequency of stocking during the period?	Kiwango cha Huduma ya bwawa	Total number of stoked fish: Tialpia	Mwatiko	Crabs	Lulu	Total number of fish harvested	Total weight of all fish: waliovuliwa (kg)	waliouzwa (kg)	What is the main fish outlet?
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
9.9.1	1													
9.9.2	2													
9.9.3	3													

Type of farming (SCol 2)
Natural pond……..1
Small earth pond…….2
Large pond……..3
Other ……..8

Standard of servives to the pond (Col6)
High leve ……1
Intermediate level……2
Low leve……3
Don't know……8

Source of fingerings(Col 4)
From the pond……1 Neighbour……..4
Government……..2 Business man…..5
NGO/Development Project…3 Natural Pond……..6
Other ……..8

mainly sold to? (Col 14)
Neighbour…1 Auction……...3 Large Scale farmers……..5
Open market….2 Fish processing industry..4 Private business people ….6
Did not sell……7 Other ……8

9.10 HONEY PRODUCTION

Is there honey production/harvesting in your household? Yes=1, No=2 (If answer is no PROCEED to Section 9.11)

Give details on honery harvesting during 2007/08 agriculture year

Number	Type of honey	Harvesting done ? (Yes=1, No=2)	Number of improved bee hives	Number of local bee hives	Amount sold per year (Litre)	Amount of honey sold (litre)	Price per litre	Main market)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
9.10.1	Small bees							
9.10.2	Large bees							

Honey outlet Co 8
Neighbour…1 Auction……...3
Large Scale farmers……..5
Open market….2 Fish processing industry..4
Private business people ….6
Did not sell……7

9.11 AGRICULURAL CHALLENGES

From the list of cahhalengs in farming on the right of the page, SELECT FIVE MAIN CHALLENGES WHICH constrain your development in agriculture

No	With first five priorities	Code
	(1)	(2)
9.11.1	Priority 1	
9.11.2	Priority 2	
9.11.3	Priority 3	

No	Important for	Code
	(1)	(2)
9.11.4	Priority 4	
9.11.5	Prioty 5	

LIST OF CHALLENGES

01 Land availability
02 Land owenership
03 Poor farm implementso
04 Soil fertility
05 Availability of imrpoved seeds
06 Irrigation services
07 Availability of agrochemicals
08 Cists of farm inputs
09 Extension services
10 Availability of forest resources
11 Huntinf and collection problems
12 Water availability
13 Access to credits
14 Lack of off farm incomes
15 Harvesting problems
16 Kupukuchua
17 Crop stiorage
18 Crop processing
19 Market information
20 High transporation costs
21 Destructive animals
22 Crop thefty
23 Pests and diseases
24 Advice from Local government
25 Long dry spells
26 Conflicts between livetsock keepera and pastoralists

Definitions and working page for page 16

10.0 Household poverty indicators

Number of rooms used for sleeping in the household (Q 10.1.4)
Include sitting room, during room, kitchen, etc if used for sleeping.

It also includes rooms outside the main dwelling

A room is defined as a space which is separate from the rest of the building by a permanent wall or division. A building / house that is not divided into rooms is considered to have one room.

Household assets (Q 10.2):
There assets must be functionin. Do not include if broken.

Access to drinking water (Q 10.4):
If there is more than one source use the one, which the hh uses most frequently.

Main source of hh cash income:(Q 10.7:
Activity that provides the hh with the most can during 2007/08 agricultural season.

10.0 POVERTY INDICATORS

Idetification

10.1 HOUSE CONSTRUCTION
Specify materials used in the construction of the following
sehemu zifuatazo

10.1.1 Roof **10.1.2** Floor **10.1.3 Wall**

Roofing materials
Iron sheets……1
Tiles……..……..2
Concrete……3
Asbestos ….4
GrassiMakuti……..5
Grass and mud….6
Other ……..…. .8

Floor matrials
Earthen material……1
Wood……..2
Wooden tiles…3
Tiles……..4
Cement……5
Other……..8

Main materials
Grass and pieces of woods……..1 *Mud……..2*
Wet bricks……3 *Burnt bricks...4*
Wood……..5 *Block bricks……6*
Stonese ……..7 *Bricks /Mawe ya kichanga……8*

10.1.4 Number of bedrooms

10.2 Household property
Does your houshold woen the following?, (Yeso=1 No =2)

Number	Property	Yes=1, No=2
	(1)	(2)
10.2.1	Radio (Radio, Radio Casette, music system)	
10.2.2	Land line	
10.2.3	Celkl phone	
10.2.4	Iron	
10.2.5	Trolley	
10.2.6	Bycicle	
10.2.7	Vehicle	
10.2.8	TV/ Video	
10.2.9	Refrigerator	
10.2.10	Motorbike/vespa	

10.3 Energy use and availability in the hsousehold

Main source of energy

10.3.1 Lightining 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?

Tvep 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

NUMBER OF FARMERS HH IN THE VIALLAGE
To be filled by the enumerator after completeing form ACLF2

NUMBER OF HH MEMBERS
To be filled by the enumerator after completeing form ACLF2

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

Enumerator Name ---------- Signature ----------

Date of Enumeration

d d / m m / y y y y

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 uses (Col. 4)
Home or farm /livetsock consumption...1
Sold to traders in the village.....2
Sold to the village market.....3
Sold to local wholesalers.....4
Sold to Big wholewsalers 5
Not available.....6

2.0 COMMUNITY PLANTED TREES

2.1 Didi your village have community planted trees during 2007/08 agriculture year? (Yeso=1, No=2) ☐

If the answer is no proceed to Section 3.0

Details of the community tree planting scheme

No.	Dustance from the community forest	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

3.1 Did any NGO visit the village during 2007/08 agriculture year? (Yes=1,No=2) (If no provceed to Section 4) ☐

Na.	Type of NGO	Visited Y=1,N=2	Number of visits	Distnatce to the Office (km)
3.2	Extension/ Rsearch			
3.3	Service /Input provision			
3.4	Community Development			
3.5	Other			

5.1 Did the village have Field farm schools during 2007/08,agriculture year? (Yes=1,No=2) ☐

5.3 Did the village have local ironsmiths during 2007/08 agriculture year? (Yes=1, No=2) (If the answer is 2 proceed to q. 5.5 ☐

5.4 Number of local ironsmiths

4.0 Community Based Organisation

4.1 Didi the village have any CBO during the 2007/08 agricuylture year?(Yes=1, No=2) ☐

Na.	Type of CBO Nd=1,Hap=2
4.2	Extension/ Rsearch
4.3	Service /Input provision
4.4	Community Development
4.5	Other

5.2 Did the village participate in any research on crops/ improved livestock during in the village during 2007/08 agriculture year? (Yes=1, No=2) ☐

5.5 Did the village have any training centres on draft animals during 2007/08 agriculture year? (Yes=1, No=2) If number 2 is the answer conclude the enumeration. ☐

5.6 Number of training centres for draft animals

Obtain answers to the following questions from the meeting of enumerator and key informants in the village.Key infomants can be a village chairman, Village Local Government Executive Officer, Councellor, Wrad Chairman, Village extsion officer, or any knowledgeble member in the community. Where possible ask these questions to a group inorder to reach a consensus . **The numebr should be below five people.**

Procedure: Administer this frpom after completing asll smallholder questionnaires for the village.
1. Copy the name of all crops from Sections 5.1, 5.2 and 5.3 grown in the village from smallholder questionnaires
   This should also include livetsock raised by the household from questions 9.1, 9.3, 9.4 and 9.5 and enter them in col na 1 of this form.
   Also see codes for livetsock below.
2. Enter price estimates per kg in col 5 and 6.

Name of crop/livestock	Code of crop/livestock	Name of main crop	Code of Main crop	Type of measure	Price of measure	
					Minimum Per year	Maximamun Per year
(1)	*(2)*	*(3)*	*(4)*	*(5)*	*(6)*	*(7)*

Type of livestock(Col 2)
Cattle .....01 Ducks……..07
Goat.....02 Turkey…….08
Sheep.....03 Rabbit……09
Pigs.....04 Kanga……10
Poutry……..05 Simbilisi……11
Donkeys……06

Main poroduct- CROPS (sCol.4)
Cereals……..01 Flowers eg. Pyrethrum.....07
Green maize……..02 Vegetables……..08
Green leaves and stem .....03 Fruit……..09
Straw, dry stems etc..04 Other……..10
Roots and tubers, etc.....05
Leaves (Tobacco etc)..... …..06

Main product- LIVESTOCK (Col. 4)
Live animals…..01
Meat 02
Milk.....03
Eggs.....04

***Q*uantity (Col.5)**
Kg…….1
Number.....2
Litre……..3
A portion/piece 4

Appendix V

Village Community Level formats

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ACLF 1

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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 Form Office Register	Number of Households After enumeration	Comments
(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 Fields a	Cattle Total	Cattle Bulls	Cattle Cows	Cattle Calves	Goats	Sheep	Pigs	Kuku/Bata/ Rabbit		If the Respondent Qualifies X	Farmer Serial Number
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
☐☐☐													
☐☐☐													
☐☐☐													
☐☐☐													

ACLF 3

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Household listing for 15 selected farmers

National Agriculture Sample Census 2007/08

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

District _____ Code ☐☐ ☐ village _____ code ☐☐ ☐ Hatua ☐☐☐

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