The United Republic of Tanzania

2016/17 ANNUAL AGRICULTURE SAMPLE SURVEY

CROP AND LIVESTOCK REPORT

Ministry of Agriculture; Ministry of Livestock and Fisheries; Ministry of Industry, Trade and Investment; President's Office, Regional Administration and Local Governments; Ministry of Agriculture, Natural Resources, Livestock and Fisheries, Zanzibar; National Bureau of Statistics; and the Office of the Chief Government Statistician, Zanzibar.

Foreword

At the end of the 2016/17 Agricultural year, the National Bureau of Statistics (NBS) in collaboration with the Ministry of Agriculture, Ministry of Livestock and Fisheries, Ministry Industry, Trade and Investment; the President's Office, Regional Administration and Local Government (PO/RALG) and the Office of the Chief Government Statistician, (OCGS), Ministry of Agriculture and Natural Resources Zanzibar; Ministry of Livestock and Fisheries Zanzibar; conducted the Annual Agricultural Sample Survey (AASS).

The survey collected detailed information on area and production for major crops and potentially livestock. This is the second survey of its kind conducted in Tanzania using Point Sample Area Frame Methodology, it was preceded by the first one conducted in 2014/15 Agricultural year.

The extensive nature of the survey in relation to its scope and coverage is a result of the increasing demand for more timely, accurate estimates of area and production for major crops and livestock.

It is expected that, the survey 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 operators in the country.

On behalf of the Government of Tanzania, we wish to express our sincere appreciation for both financial and technical support provided by the United States Agency for International Development (USAID) and United States Department of Agriculture (USDA).

My appreciation also goes to all those who in one-way or the other have contributed to the success of the survey. In particular, we would also like to mention the enormous effort made by the Planning Group composed of professionals from the Department of Agriculture Statistics of the National Bureau of Statistics, Ministry of Agriculture; Ministry Livestock and Fisheries; Ministry of Industries, Trade and Investment; the President's Office, Regional Administration and Local Government; Eastern Africa Statistical Training Centre; the Office of the Chief Government Statistician, Zanzibar, Ministry of Agriculture and Natural Resources Zanzibar; and Ministry of Livestock and Fisheries; Zanzibar.

I would like also to extend my sincere gratitude to all regional and district officials, who worked tirelessly with the National Bureau of Statistics, for their support of ensuring smooth data collection in their respective regions and district.

Finally, I would like to extend our sincere gratitude to all supervisors, interviewers and respondents for their commendable work, to ensure that the data collected was of good quality.

Dr. Albina Chuwa
Director General
National Bureau of Statistics

TABLE OF CONTENT

Foreword i
List of Text Tables v
List of Figures vi
List of Maps x
Appendix Tables xi
Abbreviations and Acronyms xii

Chapter One 1
Background 1

1.0 Introduction 1
1.1 Survey Objectives 2
1.2 Survey Scope and Coverage 3
1.3 Survey Methodology 3
1.3.1 Survey Organization 3
1.3.2 Tabulation Plan Preparation 4
1.3.3 Questionnaire Design and Other instruments 4
1.3.4 Training of Trainers, Supervisors and Enumerators 4
1.3.5 Data Collection 4
1.3.6 Field Supervision and Consistency Checks 5
1.3.7 Data Processing 5
1.3.8 Analysis and Report Preparation 5
1.3.9 Data Quality 5
1.4 Survey Limitation 6
1.4.1 Coverage 6
1.4.2 Data Collection 6

Chapter Two 7
Operators and Farm Characteristics 7

2.0 Introduction 7
2.1 Land Ownership, Planted and Harvested Area 7
2.1.1 Area of land in farms 7
2.1.2 Planted Area for Annual Crops during Long and Short Rainy Seasons and for Permanent Crops 8
2.1.3 Harvested Area for Annual Crops during Long and Short Rainy Seasons and for Permanent Crops 9
2.2 Farm Operators 10
2.2.1 Operators and Types of Farming 10

2.2.1.1 Operators Engaged in Crop Farming 11
2.2.1.2 Operators Engaged in Livestock Farming 11
2.2.1.3 Operators Engaged in Crops and Livestock Farming 11
2.2.2 Operators with Registered Farms 13
2.3 Irrigation 14
2.3.1 Area under Irrigation 14
2.3.2 Sources of Water for Irrigation 16
2.4.3 Methods of Irrigation 16

Chapter Three 18
Crop Production 18

3.0 Introduction 18
3.1 Cereal Crops Production 18
3.1.1 Maize 20
3.1.2 Paddy 22
3.1.3 Sorghum 24
3.1.4 Wheat 25
3.1.5 Bulrush Millet 26
3.1.6 Finger Millet 27
3.2 Roots and Tuber Crop Production 28
3.2.1 Cassava 29
3.2.2 Sweet Potatoes 31
3.2.3 Irish Potatoes 33
3.2.4 Yams 34
3.2.5 Cocoyams 35
3.3 Pulses 36
3.3.1 Beans 36
3.3.2 Cowpeas 38
3.3.3 Green Grams 40
3.3.4 Pigeon Peas 42
3.3.5 Other Pulses 43
3.4 Oil Seeds and Nuts Crops 44
3.4.1 Sunflower 44
3.4.2 Groundnuts 45
3.4.3 Sesame 47
3.5 Fruits and Vegetables 48
3.5.1 Tomato 48
3.5.2 Cabbage 50
3.5.3 Amaranth 51

3.5.4 Watermelon 53
3.5.5 Cucumber 53
3.5.6 Pumpkins 55
3.5.7 Egg Plant 56
3.5.8 Okra 57
3.6 Fiber Crops 58
3.6.1 Cotton 58
3.6.2 Sisal 59
3.7 Permanent Crops 59
3.7.1 Cashewnuts 63
3.7.2 Banana 64
3.7.3 Coconuts 65
3.7.4 Oranges 67
3.7.5 Oil Palm 69
3.7.6 Coffee 69
3.7.7 Mango 71
3.7.8 Cloves 73
3.7.9 Other Permanent Crops 73

Chapter Four 75
Livestock 75

4.0 Livestock Results 75
4.1.1 Categories of Cattle 76
4.2 Goat 78
4.3 Sheep 79
4.4 Pigs 80
4.5 Chicken 81
4.6 Other Livestock 82

APPENDICES 84
SHORT RAINY SEASON 85
LONG RAINY SEASON 103
PERMANENT CROPS 122
LIVESTOCK 136
QUESTIONNAIRE 143

List of Text Tables

Table 1: Number of Operators engaged in Crop Farming, livestock keeping, Both Livestock Keeping and Crop Farming by Region in Tanzania, 2016/17 AASS 12

Table 2: Area Planted, Harvested and Production for Other Permanent Crops, AASS 2016/17 74

Table 3: Number of Other Livestock by Region and Type of Livestock as of 1st October 2017 83

List of Figures

Figure 2.1: Area of Land in Farms by Region, Tanzania Mainland, 2016/17 AASS 8

Figure 2.2: Percentage Share of Planted Area (ha) by Type of Crop in Tanzania, 2016/17, AASS 9

Figure 2.3: Percentage Share of Harvested Area (ha) by Type of Crops in Tanzania, 2016/17 AASS 10

Figure 2.4: Percentage Share of Number of Operators by Type of Farms in Tanzania, 2016/17 AASS 11

Figure 2.5(a): Percentage Distribution of Registered Farms by Region, Tanzania Mainland, 2016/17AASS 13

Figure 2.5 (b): Percentage Distribution of Registered Farms by Region, Zanzibar, 2016/17 AASS 14

Figure 2.6(a): Percentage of Area Irrigated (ha) by Region, Tanzania Mainland, 2016/17AASS 15

Figure 2.6(b): Percentage of Planted Area (ha) Irrigated by Region Zanzibar, 2016/17 AASS 15

Figure 2.7: Percentage of Operators by different Sources of Irrigation in Tanzania Mainland and Zanzibar, 2016/17, AASS 16

Figure 2.8 Percentage of Operators by Main Methods of Obtaining Water for Irrigation in Tanzania Mainland, and Zanzibar, 2016/17 AASS 17

Figure 3.1(a): Percentage Share of Planted Area (ha) for Cereals, Tanzania, 2016/17 AASS 19

Figure 3.1(b): Percentage Share of Harvested Area (Ha) for Cereals in Tanzania, 2016/17 AASS 19

Figure 3.1(c): Percentage Share of Cereal Production (tonnes) Tanzania, 2016/17 AASS 20

Figure 3.2(a): Production (tonnes) of Maize by Region, Tanzania Mainland, 2016/17 AASS 21

Figure 3.2 (b): Harvested Area (ha) and Production (tonnes) of Maize by Region, Zanzibar, 2016/17 AASS 22

Figure 3.3 (a): Harvested Area (ha) and Production (tonnes) of Paddy by Region in Tanzania Mainland, 2016/17 AASS 23

Figure 3.3(b): Area Harvested (ha) and Production (tonnes) of Paddy by Region, Zanzibar, 2016/17 AASS 24

Figure 3.4: Harvested Area (ha) and Production (tonnes) of Sorghum by Region, Tanzania Mainland, 2016/17 AASS 25

Figure 3.5: Harvested Area (ha) and Production (tonnes) of Wheat by Region in Tanzania Mainland, 2016/17 AASS 26

Figure 3.6: Bulrush Millet Production (tonnes), Tanzania 2016/17 AASS 27

Figure 3.7: Production (percent) of Finger Millet by Region, Tanzania Mainland, 2016/17 AASS 28

Figure 3.8: Production (percent) for Roots and Tuber Crops in Tanzania, 2016/17 AASS 29

Figure 3.9(a): Harvested Area (ha) and Production (tonnes) of Cassava by Region in Tanzania Mainland, 2016/17 AASS 30

Figure 3.9(b): Harvested Area (ha) and Production (tonnes) of Cassava by Region in Zanzibar, 2016/17 AASS 31

Figure 3.10(a): Harvested Area (ha) and Production (tonnes) of Sweet Potatoes by Region, Tanzania Mainland, 2016/17 AASS 32

Figure 3.10(b): Harvested Area (ha) and Production (tonnes) of Sweet Potatoes in Zanzibar, 2016/17 AASS 33

Figure 3.11: Harvested Area (ha) and Production (tonnes) of Irish Potatoes in Tanzania Mainland, 2016/17 AASS 34

Figure 3.12: Planted Area (ha), Harvested Area (ha) and Production (tonnes) of Yams, 2016/17 AASS 35

Figure 3.13: Planted Area (ha), Harvested Area (ha) and Production (tonnes) of Cocoyam, Tanzania, 2016/17 AASS 36

Figure 3.14: Harvested Area (ha) and Production (tonnes) of Beans by Region, Tanzania Mainland, 2016/17 AASS 37

Figure 3.15(a): Harvested Area (ha) and Production (tonnes) of Cowpeas by Region, Tanzania Mainland, 2016/17 AASS 39

Figure 3.15(b): Harvested Area (ha) and Production (tonnes) of Cowpeas by Region, Zanzibar, 2016/17 AASS 39

Figure 3.16: Harvested Area (ha) and Production (tonnes) for Green Gram by Region, Tanzania Mainland, 2016/17 AASS 41

Figure 3.17: Planted Area (ha), Harvested Area (ha) and Production (tonnes) of Green Gram, Zanzibar, 2016/17 AASS 41

Figure 3.18(a): Harvested Area (ha) and Production (tonnes) of Pigeon Peas by Region, Tanzania Mainland, 2016/17 AASS 42

Figure 3.18(b): Harvested Area (ha) and Production (tonnes) of Pigeon Peas by Region, Zanzibar, 2016/17 AASS 43

Figure 3.19: Production (tonnes, percent) of Oil Seeds and Nuts, Tanzania, 2016/17 AASS 44

Figure 3.20: Harvested Area (ha) and Production (tonnes) of Sunflower by Region, Mainland, 2016/17 AASS 45

Figure 3.21: Harvested area (ha) and Production (tonnes) of Groundnuts by Region, Mainland, 2016/17 AASS 46

Figure 3.22: Harvested Area (ha) and Production (tonnes) of Sesame by Region, Tanzania Mainland, 2016/17 AASS. 47

Figure 3.23(a): Harvested Area (ha) and Production (tonnes) of Tomato by Region, Tanzania Mainland, AASS 2016/17 49

Figure 3.23(b): Harvested Area (ha) and Production (tonnes) of Tomato by Region, Zanzibar, 2016/17 AASS 49

Figure 3.24: Harvested Area (ha) and Production (tonnes) of Cabbage by Region, Tanzania Mainland, 2016/17 AASS 50

Figure: 3.25 (a): Harvested Area (ha) and Production (tonnes) of Amaranth by Region, Mainland, 2016/17 AASS 52

Figure 3.25 (b): Harvested Area (ha) and Production (tonnes) of Amaranth by Region, Zanzibar, 2016/17 AASS 52

Figure 3.26: Harvested Area (ha) and Production (tonnes) of Watermelon, Tanzania Mainland and Zanzibar, 2016/17 AASS 53

Figure 3.27(a): Harvested Area (ha) and Production (tonnes) of Cucumber by Region, Mainland, 2016/17 AASS 54

Figure 3.27(b): Harvested Area (ha) and Production (tonnes) of Cucumber by Region, Zanzibar, 2016/17 AASS 55

Figure 3.28: Harvested Area (ha) and Production (tonnes) of Pumpkins by Region, Zanzibar, 2016/17 AASS 56

Figure 3.29: Harvested Area and Production (tonnes) of Eggplant by Region, Tanzania, 2016/17 AASS 57

Figure 3.30: Harvested Area (ha) and Production (tonnes) of Okra, 2016/17 AASS 58

Figure 3.31: Harvested Area (ha) and Production (tonnes) of Cotton by Region, Tanzania, 2016/17 AASS 59

Figure 3.32(a): Percentage Share of Area Planted (ha) with Permanent Crops, Mainland, 2016/17 AASS 60

Figure 3.32(b): Area Harvested (ha) and Production (tonnes) of Permanent Crops, Mainland, 2016/17 AASS 61

Figure 3.32(c): Percentage Share of Area Planted (ha) with Permanent Crops, Zanzibar, 2016/17 AASS 62

Figure 3.32(d): Area Harvested (ha) and Production (tonnes) of Permanent Crops, Zanzibar, 2016/17 AASS 63

Figure 3.33: Harvested Area (ha) and Production (tonnes) of Cashew nuts by Region, Mainland, 2016/17 AASS 64

Figure 3.34: Production (percent) of bananas by region, Zanzibar, 2016/17 AASS 65

Figure 3.35(a): Harvested area and production of coconut by region, Tanzania Mainland, 2016/17 AASS 66

Figure 3.35(b): Area Harvested (ha) and Production (tonnes) of coconuts by Regions, Zanzibar, 2016/17 AASS 67

Figure 3.36(a): Production (tonnes) of Oranges, Tanzania Mainland by Regions, AASS 2016/17 68

Figure 3.36(b): Production (tonnes) of Oranges in Zanzibar by Regions, AASS 2016/17 68

Figure 3.37: Harvested Area (ha) and Production (tonnes) of Palm Oil by Region, Tanzania Mainland, 2016/17 AASS 69

Figure 3.38: Production (percent) of Coffee by Region, Tanzania Mainland, 2016/17 AASS 71

Figure 3.39(a): Harvested Area (ha) and Production (tonnes) of Mangoes by Region, Tanzania Mainland, 2016/17 AASS 72

Figure 3.39(b): Harvested Area (ha) and Production (tonnes) of Mangoes by Region, Zanzibar, 2016/17 AASS 72

Figure 3.40: Percentage Share of Clove Production by Region in Zanzibar, 2016/17 AASS 73

Figure 4.1: Distribution of Cattle by Category in Mainland as of 1st October, 2017 77

Figure 4.2: Distribution of Cattle by Category in Zanzibar as of 1st October, 2017 78

Figure 4.3: Distribution of Pigs by Category in Tanzania Mainland, 2016/17 AASS 81

Figure 4.4: Pig Population by Region, Tanzania Mainland as of 1st October, 2017 81

List of Maps

Map 4.1: Cattle Population by Region in Tanzania as of 1st October, 2017 76

Map 4.2: Goat Population by Regions in Tanzania as of 1st October, 2017 79

Map 4.3: Sheep Population by Regions in Tanzania Mainland as of 1st October, 2017 80

Map 4.4: Population of Indigenous Chicken by Region in Tanzania as of 1st October, 2017 82

Appendix Tables

Table 1: Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season 86

Table 2: Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season..... 104

Table 3: Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 – Permanent Crops 123

Table 4: Total Number of Cattle by Category and Region as of 1st October 2017..... 137

Table 5: Total Number of Goats by Region as of 1st October 2017 138

Table 6: Total Number of Sheep by Region as of 1st October 2017..... 139

Table 7: Total Number of Chickens by Region as of 1st October 2017..... 140

Table 8: Total Number of Pigs by Region as of 1st October 2017..... 141

Table 9: Total Number of Heifers by Region as of 1st October 2017..... 142

Abbreviations and Acronyms

AASS	Annual Agriculture Sample Survey
AfDB	African Development Bank
ASLMs	Agriculture Sector Lead Ministries
CSPro	Census and Survey Processing System
FAO	Food and Agriculture Organization of the United Nations
GDP	Gross Domestic Product
NASS	National Agricultural Statistical System
NBS	National Bureau of Statistics
OCGS	Office of the Chief Government Statistician Zanzibar
PMO-RALG	Prime Minister's Office, Regional Administration and Local Government
SPSS	Statistical Package for Social Science
TOT	Training of Trainers
USAID	United States Agency for International Development
USDA	United States Department of Agriculture
UNSC	United Nations Statistical Commission

Chapter One

Background

1.0 Introduction

Agriculture is an important economic sector of the Tanzanian Economy and contribute about 29.1 percent of Gross Domestic Product (GDP) (The Economic Survey 2016). It is the main source of food, employment, raw materials for industries and foreign exchange earnings. Since Tanzania has different climatic and geographical zones, farmers grow a variety of annual and permanent crops. Crops grown includes cereals; pulses; root and tubers; fruits and vegetables; and spices. Moreover, farmers practice livestock farming by keeping animals like cattle, goats, sheep, pigs and chicken. They also keep a few numbers of turkeys, ducks, rabbits, donkeys and horses.

The importance of accurate and reliable agricultural statistics for planning and evidence-based decision making cannot be overemphasized. In addition, agricultural statistics are required to determine the growth of the sector, measure employment and reduction of poverty of the population in the rural areas, as well as to stimulate the investment in the agro based industry to support the establishment of industrialized economy.

In response to many challenges of meeting user needs for agricultural statistics in developing countries, a Global Strategy for Improving Agricultural and Rural Statistics was introduced and endorsed in February 2010 by the United Nations Statistical Commission (UNSC).

The purpose of the Global Strategy is to provide a framework and methodology that will help to improve the availability and quality of national and international food and agricultural statistics, to guide policy analysis and decision making in the 21st century. The Global Strategy is based on the following three pillars;

i. The establishment of a minimum set of core data that countries will provide to meet their current and emerging demands;
ii. The integration of agriculture into their national statistical systems (NSSs) to ensure that, the data is comparable across countries and over time; and
iii. Ensuring the sustainability of the National Agricultural Statistical System (NASS), through governance and statistical capacity building.

In the framework of implementing the Global Strategy to Improve Agricultural and Rural Statistics, the Government of Tanzania in collaboration with the Food and Agriculture Organization of the United Nations (FAO), United States Agency for International Development (USAID), United States Department of Agriculture (USDA) and African Development Bank (AfDB), initiated the process of improving the agricultural statistics system of the country through Strengthening Agricultural Statistics Program.

The main aim of the program is to:

i. Develop sampling frames and sample designs appropriate for generating agricultural statistics;
ii. Design and implement an Annual Agricultural Survey; and
iii. Develop Capacity through upgrading skills on national staff.

The National Bureau of Statistics (NBS) and Office of Chief Government Statistician Zanzibar (OCGS) in collaboration with Agricultural Sector Lead Ministries (ASLMs), conducted the Annual Agriculture Sample Survey (AASS) for the Agricultural year 2016/17. This is the second AASS to be conducted under this initiative; the first one was conducted during the agricultural year 2014/15. This report covers the objective and coverage of the survey, methodology, results and recommendations.

1.1 Survey Objectives

The general objective of the Annual Agriculture Sample Survey is to provide more timely and accurate estimates of area and production for major crops, livestock number and products and fish farming. The size of the crops production is crucial information needed by many people involved in agriculture. Estimates derived from this survey will supply basic information needed by farmers, agribusinesses, government policy makers and other stakeholders to make decisions for both short and long-term planning.

The specific objectives of AASS are to obtain

i. Basic data to be utilized in the formulation and review of policies and implementation of agricultural plans at national and regional levels in between the agricultural census years;
ii. Time series data on agricultural production and productivity at national and regional levels; and
iii. Basic statistics for comparison on the development of the agriculture sector in the country.

1.2 Survey Scope and Coverage

The 2016/17 AASS was conducted from October to November, 2017 but the information collected was for the agricultural year 2016/ 17 covered farming operation in all regions of Tanzania. The interviews were conducted in detail using a well-structured questionnaire. The main topics covered were

i. Land Ownership;
ii. Farm Characteristics;
iii. Crop Production;
iv. Crop Prices;
v. Livestock population and production; and
vi. Fish Farming.

1.3 Survey Methodology

The main focus at all stages of the survey execution was on data quality. The main activities undertaken include:-

i. Survey Organization;
ii. Sampling;
iii. Tabulation Plan Preparation;
iv. Design of Survey Questionnaire and Other Instruments;
v. Training of Trainers, Supervisors, and Enumerators;
vi. Data Collection;
vii. Field Supervision and Consistency Checks;
viii. Data Processing; and
ix. Manual Data Entry Application.

1.3.1 Survey Organization

The survey was carried out by NBS and OCGS in collaboration with ASLMs under technical support from USDA-NASS. Implementation of the survey at the national level was headed by NBS. The National Team had the responsibility of overseeing the operational aspects of the survey and the team comprised of staff from the Department of Agricultural Statistics of NBS and OCGS; Ministries responsible for agriculture, livestock and fisheries from Tanzania Mainland and Zanzibar. Furthermore, the regional statistical officers from NBS and OCGS, in collaboration with staff responsible for agricultural statistics from the regional secretariats, supervised the implementation of the survey activities at regional level.

1.3.2 Tabulation Plan Preparation

The tabulation plan was developed following a National Team's meeting which discussed the information and data needs of the end users. The meeting also considered the tabulations from other agricultural surveys to provide for trend analysis and comparisons as well as the needs of end users.

1.3.3 Questionnaire Design and Other instruments

A structured questionnaire was developed to focus on inventory, production and productivity of crop, livestock and fisheries. Several features were included into the design of the questionnaire to improve the quality of data collection during field work data collection. Among others, the following were some of features included:

i. Where feasible, all variables were extensively coded to reduce post enumeration coding errors;
ii. Skip patterns were used to reduce unnecessary and incorrect coding of sections which do not apply to the respondent; and
iii. Each section was clearly numbered to facilitate the use of skip patterns and provide a reference for data type coding for the programming of CSPro and SPSS.

1.3.4 Training of Trainers, Supervisors and Enumerators

The training on survey methodology, concepts and definitions was organized for field work supervisors and enumerators. Training of Trainers and Enumerators were conducted prior to enumeration process for Mainland and Zanzibar. During the training of enumerators, the issue of consistency checks in order to enhance the quality of the data was also emphasized. The trainers were members of the National Team in collaboration with the Regional Statistical Managers.

1.3.5 Data Collection

The actual data collection activity for the survey took one month from October to November 2017. The only method used for data collection was face-to-face interview by using the structured questionnaire. Fieldwork was monitored through a hierarchical system of supervisors that began with the National Team, followed by the regional supervisors and enumeration team supervisors. The National Team included two senior supervisors who were responsible for overall guidance of field operations and responding towards queries raised outside the scope of subordinates.

1.3.6 Field Supervision and Consistency Checks

The enumerators were taught on techniques for probing respondents, so as to get reliable responses and finally record them correctly in the questionnaire. After completion of the interview enumerators made the first check of the questionnaire, followed by team supervisors, regional, and national supervisors. Supervisory visits at all levels of supervision, focused on consistency checks of the questionnaires. Inconsistencies encountered were corrected, and where necessary, a return visit to the respondent was made by the enumerator to correct the information. Further quality control checks were made through a major post enumeration checking exercise whereby, all questionnaires were checked for consistencies by editing staff in the national office.

1.3.7 Data Processing

Data processing consisted of the following activities:

i. Data entry;
ii. Data structure formatting;
iii. Batch validation; and
iv. Tabulation.

Prior to data entry, all questionnaires were cleaned manually to maintain the quality of the data. The process involved checking the completeness of questionnaire, correctness of identification details and other information, thereafter data were entered manually using CSPro. Subsequent to data entry, tables were prepared based on a predesigned tabulation plan. The plan focused on the objective of the survey in relation to the data needs of the stakeholders.

1.3.8 Analysis and Report Preparation

The analysis in this report focuses on regional comparisons and national production estimates. Statistical Package for Social Sciences (SPSS) was used to produce survey tables. CSPro was used for data entry and Microsoft excel was used to produce tables; whereas Microsoft word was used to compile the report in general.

1.3.9 Data Quality

The data quality was kept in mind throughout the entire exercise, from survey planning, questionnaire design, training, supervision, data entry, validation and data cleaning/editing. As a result of this process, it is believed that the survey data presented in this report are sufficiently accurate and representative of what was collected from the field.

1.4 Survey Limitation

1.4.1 Coverage

The Survey covered 30 regions of Tanzania out of which, 25 regions are from Tanzania Mainland and 5 regions are from Zanzibar. The 2010 area frame was used for sampling of which Songwe Region was part of Mbeya Region. Therefore, data for Songwe Region are included in Mbeya Region. This survey can only produce statistically acceptable estimates at national and regional level. The sampling design is not meant for district level estimates.

1.4.2 Data Collection

Crop Production Data

This survey collected information on more than 150 types of perennial and non-perennial crops. Due to the objective of this survey, analysis concentrated on limited number of main crops grown in Tanzania so as to get minimum core data in responding to the global strategy to improve agriculture and rural statistics for comparison purposes.

Livestock and Fisheries Production Data

The Sampling design for this survey was based on area frame. Due to nature of pastoralist communities in the country, suitability of this sampling design favors crops rather than livestock and fisheries related data.

Chapter Two

Operators and Farm Characteristics

2.0 Introduction

Characteristics of farms and operators provide important information for evaluating performance of the sector. Therefore, this chapter discusses in detail the findings of the survey on land ownership, number of operators in crop production in relation to rainy seasons and irrigation practices.

2.1 Land Ownership, Planted and Harvested Area

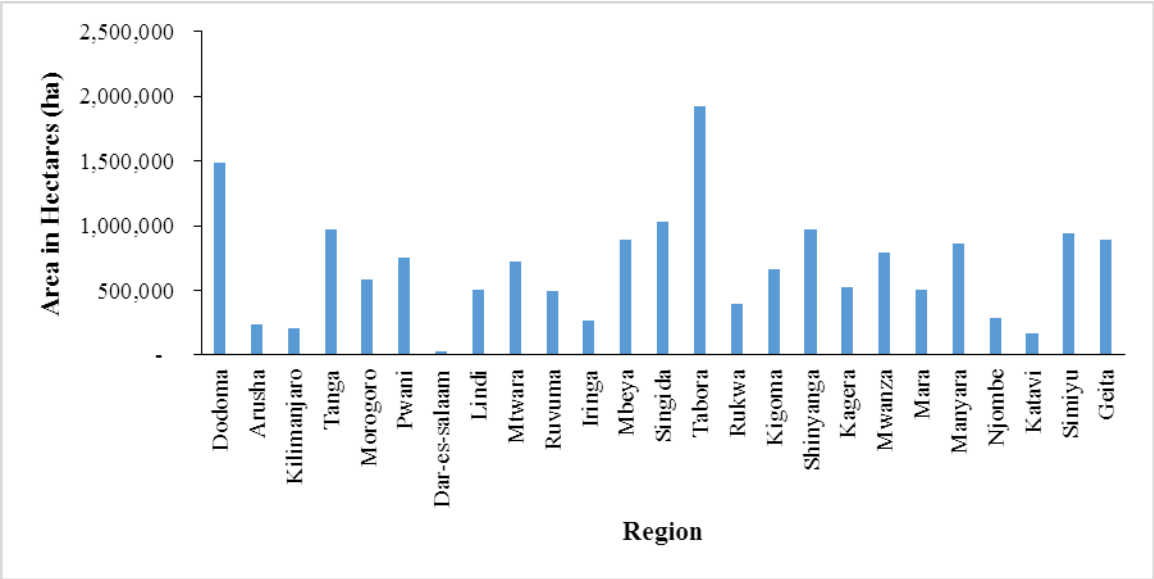
Land Ownership refers to the arrangements or rights under which the holder holds or uses the land. This section discusses how much land was available for farming activities and was used in crop production therefore planted and harvested during 2016/17 Agricultural year.

2.1.1 Area of land in farms

During the 2016/17 Agricultural year, the total area of land on farms used in crop production was 17,120,571 ha of which 16,977,740 ha (99.2 percent) were in Tanzania Mainland and 142,831 ha (0.8 percent) in Zanzibar.

In Tanzania Mainland, Tabora Region had the largest land area in farms (1,926,174 ha; 11.3 percent), followed by Dodoma (1,487,065 ha; 8.8 percent) (Figure2.1). Dar es Salaam (31,761 ha; 0.19 percent) had the smallest land area in farms. On the other hand, the region with largest land area in farms in Zanzibar was Kaskazini Pemba with 37,710 ha (26.4 percent), while Mjini Magharibi (9,913 ha; 6.9 percent) had the smallest land area in farms.

Figure 2.1: Area of Land in Farms by Region, Tanzania Mainland, 2016/17 AASS



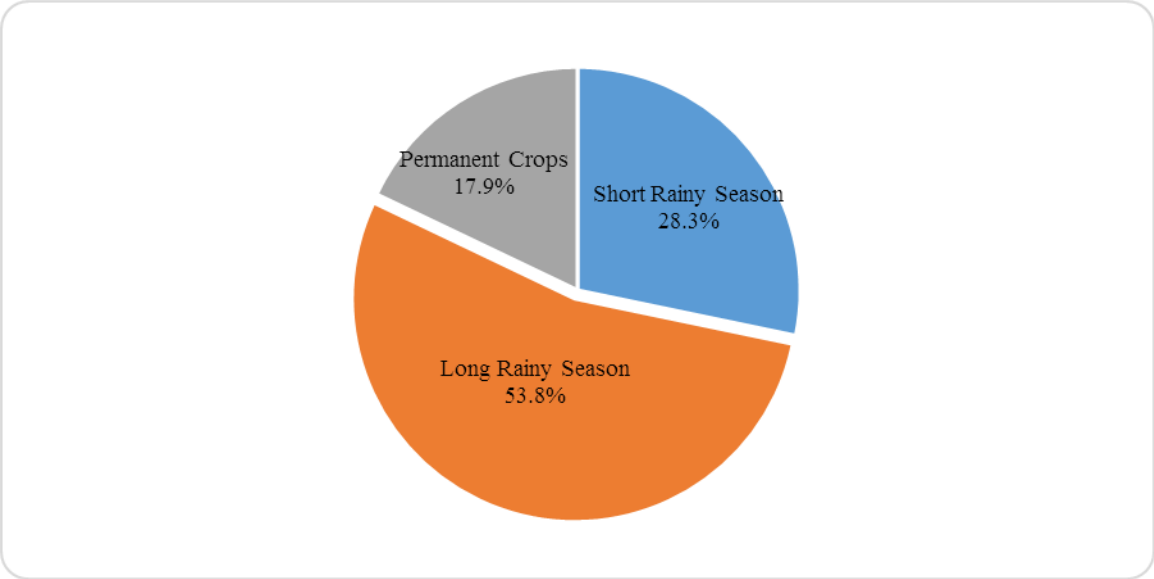
2.1.2 Planted Area for Annual Crops during Long and Short Rainy Seasons and for Permanent Crops

In Tanzania there are two rainy seasons namely short rainy season and long rainy season. The former is from October to January of the following year while the latter is from March to May of the same year. Moreover, planted area refers to the total area in hectares that the operator was able to plant and permanent crops are crops which are produced from plants that last for many seasons, rather than being replanted after each harvest. The total planted area during the 2016/17 Agricultural year was 15,028,840 ha whereby 8,088,843 ha (53.8 percent) were planted in the long rainy season; 4,246,219 ha (28.3 percent) in the short rainy season and only 2,693,778 ha (17.9 percent) was planted with permanent crops.

For Mainland, the total planted area was 14,888,738 ha which is equivalent to 99.1 percent of the total planted area while Zanzibar had 140,103 ha (0.9 percent). Tabora region had the largest planted area of about 1,520,658 ha (10.2 percent) of planted area for Tanzania Mainland followed by Dodoma (1,178,262 ha; 7.9 percent) and Mwanza (794,252 ha; 5.3 percent). Dar es Salaam Region had the smallest planted area of 30,761 ha (0.2 percent).

In Zanzibar, Kaskazini Pemba had the largest planted area of 36,441 ha (26.0 percent) of the total planted area, followed by Kusini Pemba (35,935 ha; 25.6 percent) and Kaskazini Unguja (35,549 ha; 25.4 percent). The smallest planted area was in Mjini Magharibi with 10,615 ha (7.6 percent).

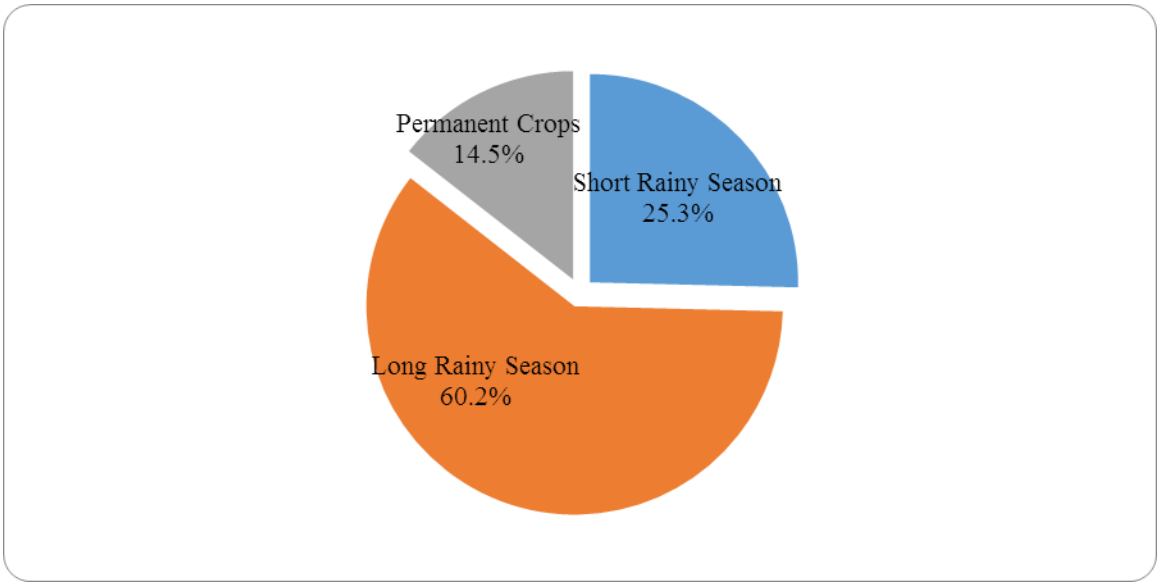
Figure 2.2: Percentage Share of Planted Area (ha) by Type of Crop in Tanzania, 2016/17, AASS



2.1.3 Harvested Area for Annual Crops during Long and Short Rainy Seasons and for Permanent Crops

Harvested area refers to the total area in hectares from which the operator obtained crops from. It is equal to the area planted less the area that was not harvested due to pests and diseases, wild animals, drought; or maturity and the like. During 2016/17 Agriculture Year, the total harvested area was 11,599,014 ha (77.2 percent of the total planted area during the year). Out of the harvested area; 6,978,510 ha (60.2 percent) were harvested in the long rainy season; 2,944,289 ha (25.3 percent) in short rainy season; and only 1,676,215 ha (14.5 percent) were harvested from area with permanent crops (Figure 2.3).

Figure 2.3: Percentage Share of Harvested Area (ha) by Type of Crops in Tanzania, 2016/17 AASS



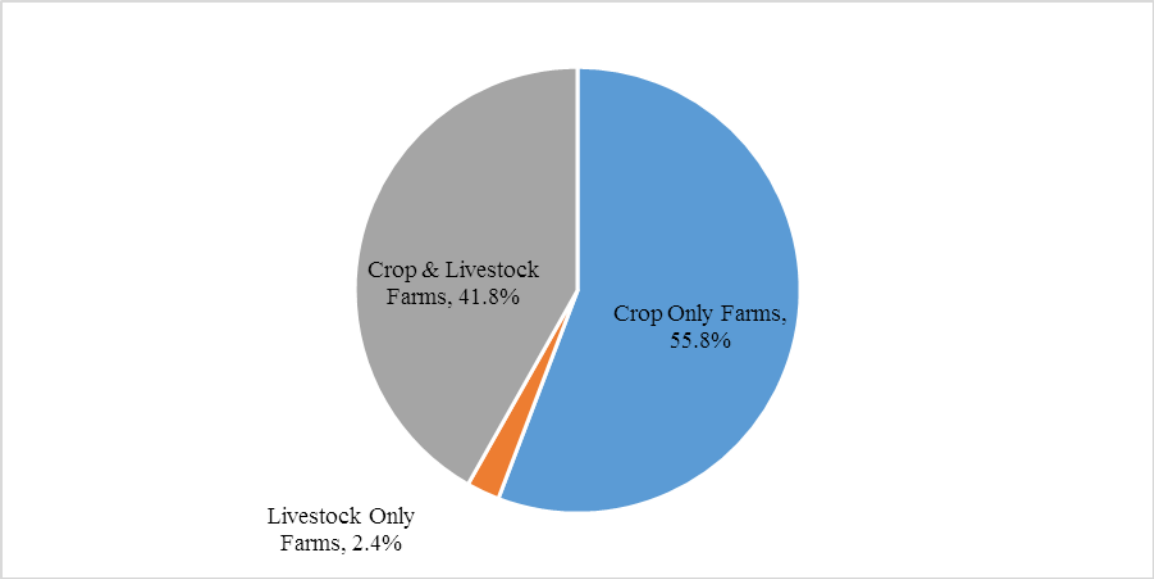
2.2 Farm Operators

An operator refers to an individual or organization that exercises management control over the agricultural operation and who makes major decisions regarding resources utilization (i.e. funding/disbursements).

2.2.1 Operators and Types of Farming

A total of 8,763,267 operators were engaged in agricultural production activities of which 8,574,452 (97.8 percent) were in Tanzania Mainland and 188,814 (2.2 percent) in Zanzibar. The results disclose that, 4,886,825 operators (55.9 percent) were engaged in growing crops only, 213,600 (2.4 percent) kept livestock only and 3,662,842 (41.8 percent) engaged in both crop and livestock farming (Figure 2.4).

Figure 2.4: Percentage Share of Number of Operators by Type of Farms in Tanzania, 2016/17 AASS



2.2.1.1 Operators Engaged in Crop Farming

In Tanzania 4,886,825 operators were engaged in crop farming only of which 4,777,530 (97.8 percent) were in Tanzania Mainland and 109,295 (2.2 percent) in Zanzibar. In Mainland, Kigoma Region (86.8 percent) had the largest percentage of operators practicing crop farming only, followed by Mtwara Region with 86.3 percent and Lindi Region (80.9 percent). In Zanzibar, the largest percentage of operators in crop farming only was observed in Kaskazini Unguja (73.3 percent) and the smallest was in Mjini Magharibi (39.8 percent) (Table 1).

2.2.1.2 Operators Engaged in Livestock Farming

A total of 213,600 operators were engaged in livestock farming only, of which 202,053 (94.6 percent) were in Tanzania Mainland and 11,547 (5.4 percent) in Zanzibar. Arusha Region (45.2 percent) had the largest percentage of livestock farming only operators in Tanzania Mainland. Four regions of Dodoma, Katavi, Ruvuma and Njombe had no livestock only operator. In the case of Zanzibar, Kusini Pemba (20.1 percent) had the largest percentage of livestock only operators (Table 1).

2.2.1.3 Operators Engaged in Crops and Livestock Farming

Survey findings revealed that, 3,662,842 operators were engaged in both crop and livestock farming in Tanzania. Out of those 3,594,870 (98.1 percent) were in Tanzania Mainland and 67,972 (1.9 percent) in Zanzibar. Moreover, Manyara region (77.6 percent) had the largest percentage of Crops and Livestock operators, followed by Kilimanjaro (71.1 percent). In

Zanzibar, the leading region was Mjini Magharibi (59.4 percent) and the last region was Kaskazini Unguja (26.7 percent) (Table 1).

Table 1: Number of Operators engaged in Crop Farming, livestock keeping, Both Livestock Keeping and Crop Farming by Region in Tanzania, 2016/17 AASS

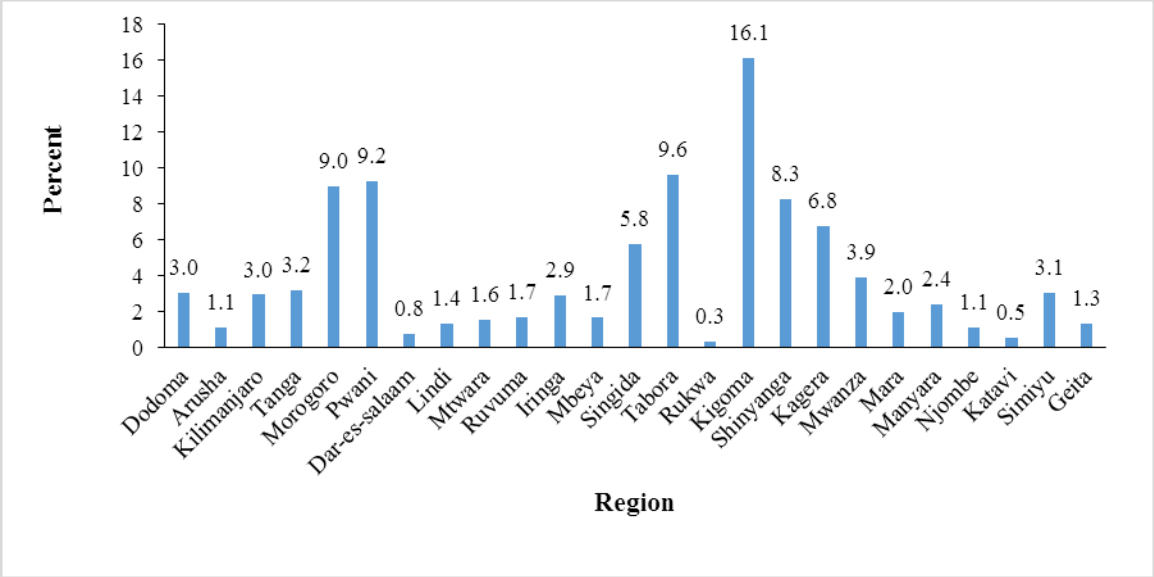
Region	Number			Percent		
	Crop Only Farms	Livestock Only Farms	Crop & Livestock Farms	Crop Only Farms	Livestock Only Farms	Crop & Livestock Farms
Dodoma	286,123	0	182,329	61.1	0.0	38.9
Arusha	29,478	111103	105,091	12.0	45.2	42.8
Kilimanjaro	49,602	3409	130,709	27.0	1.9	71.1
Tanga	327,831	385	114,716	74.0	0.1	25.9
Morogoro	198,824	10603	77,198	69.4	3.7	26.9
Pwani	435,917	4936	107,911	79.4	0.9	19.7
Dar-es-salaam	28,402	3507	7,477	72.1	8.9	19.0
Lindi	247,079	202	58,091	80.9	0.1	19.0
Mtwara	307,326	2099	46,857	86.3	0.6	13.2
Ruvuma	114,850	0	101,942	53.0	0.0	47.0
Iringa	77,453	986	43,782	63.4	0.8	35.8
Mbeya	168,643	3188	254,886	39.5	0.7	59.7
Singida	123,141	3289	210,785	36.5	1.0	62.5
Tabora	340,756	15840	307,013	51.3	2.4	46.3
Rukwa	67,941	303	94,282	41.8	0.2	58.0
Kigoma	617,520	10053	84,019	86.8	1.4	11.8
Shinyanga	163,524	6745	247,969	39.1	1.6	59.3
Kagera	176,909	1862	192,596	47.6	0.5	51.9
Mwanza	338,109	6032	328,512	50.3	0.9	48.8
Mara	113,451	6253	169,170	39.3	2.2	58.6
Manyara	68,110	5879	256,453	20.6	1.8	77.6
Njombe	154,523	0	72,146	68.2	0.0	31.8
Katavi	61,972	0	26,509	70.0	0.0	30.0
Simiyu	90,151	317	166,371	35.1	0.1	64.8
Geita	189,896	5064	208,054	47.1	1.3	51.6
Mainland	**4,777,530**	**202,053**	**3,594,870**	**55.7**	**2.4**	**41.9**
Kaskazini-Unguja	32,010	0	11,661	73.3	0.0	26.7
Kusini Unguja	13,266	2,129	8,567	55.4	8.9	35.8
Mjini Magharibi	9,612	188	14,337	39.8	0.8	59.4
Kaskazini-Pemba	32,641	103	18,978	63.1	0.2	36.7
Kusini-Pemba	21,767	9,126	14,429	48.0	20.1	31.8
Zanzibar	**109,295**	**11,547**	**67,972**	**57.9**	**6.1**	**36.0**
Tanzania	**4,886,825**	**213,600**	**3,662,842**	**55.8**	**2.4**	**41.8**

2.2.2 Operators with Registered Farms

During data collection a respondent was asked about registration of the farm where the point had fallen. “Registered” means that the owner of the farm has an official certificate of ownership of the farmland area.

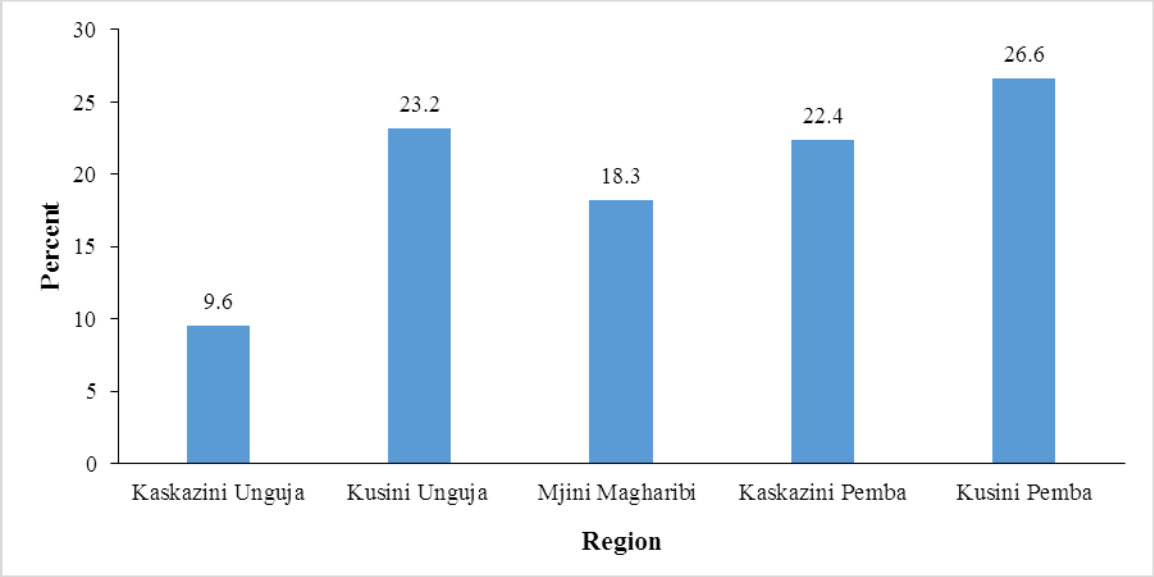
The total number of farms that were reported during the survey was 8,763,267, of which, 1,576,235 (18.0 percent) were registered. Out of the total registered farms, 1,529,984 (97.1 percent) were in Tanzania Mainland and 46,251 (2.9 percent) in Zanzibar. In Tanzania Mainland, Kigoma Region had the highest number of registered farms (246,892; 16.1 percent), followed by Tabora (146,911; 9.6 percent) and Pwani (141,485; 9.2 percent). The region with the smallest number of registered farms was Rukwa (5,331; 0.3 percent) (Figure 2.5(a)).

Figure 2.5(a): Percentage Distribution of Registered Farms by Region, Tanzania Mainland, 2016/17AASS



In Zanzibar, Kusini Pemba Region (12,299; 26.6 percent) had the largest number of registered farms, followed by Kusini Unguja (10,718; 23.2 percent) and the region with the smallest number was Kaskazini Unguja with 4,430 (9.6 percent) registered farms (Figure 2.5(b)).

Figure 2.5 (b): Percentage Distribution of Registered Farms by Region, Zanzibar, 2016/17 AASS



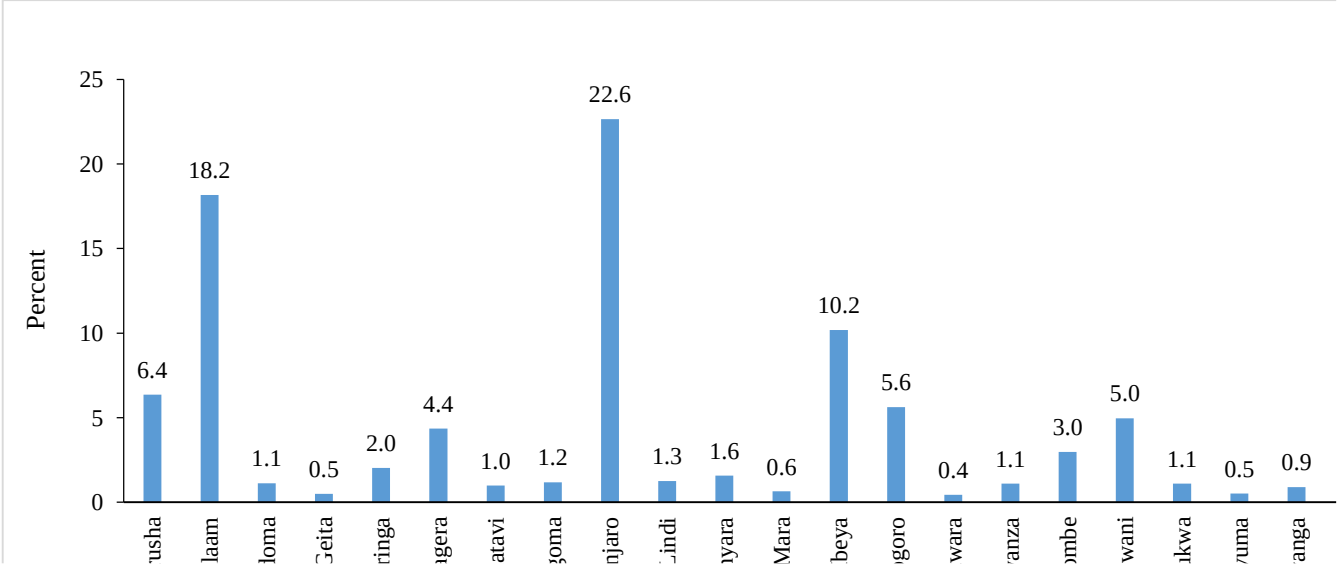
2.3 Irrigation

Irrigation is an important alternative to rainfall in crop production. This practice ensures crop growth in the absence of rainfall. This section presents information on area under irrigation, source of water and methods used for irrigation.

2.3.1 Area under Irrigation

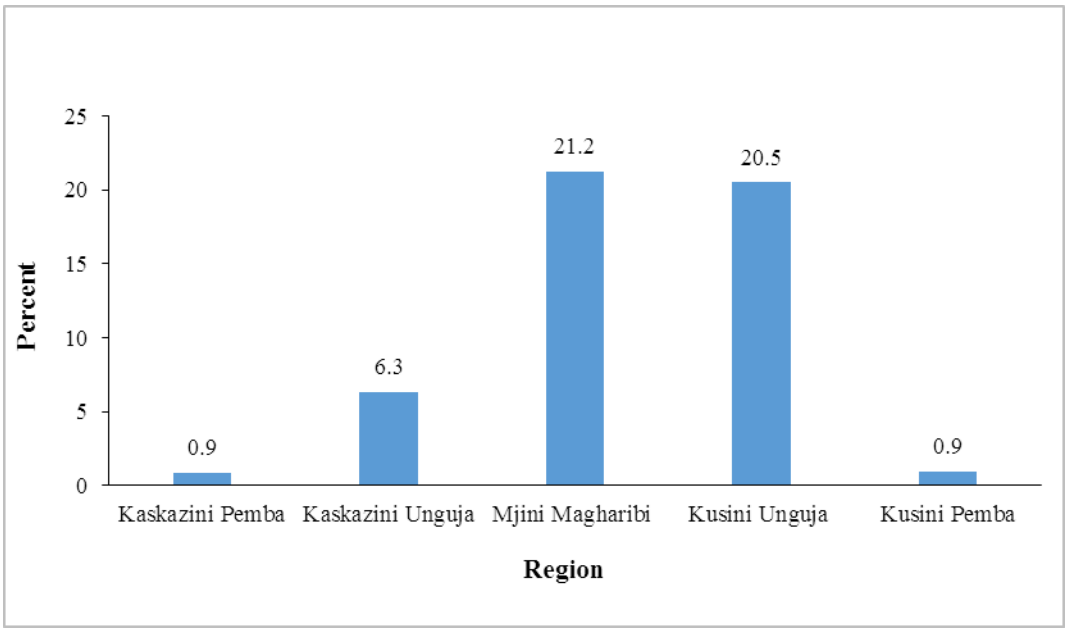
Total number of operators using irrigation during the 2016/17 agricultural year was 437,112 of which 407,190 (93.2 percent) were in Tanzania Mainland and 29,922 (6.8 percent) were in Zanzibar. The total planted area under irrigation in Tanzania was 351,831 ha (2.5 percent) out of which 342,199 ha (97.3 percent) were in Tanzania Mainland and 9,632 ha (2.7 percent) were in Zanzibar. In Tanzania Mainland, Kilimanjaro Region (44,483 ha; 22.6 percent) led in planted area under irrigation, it was followed by Dar es Salaam (5,590 ha; 18.2 percent) and Mbeya (86,040 ha; 10.2 percent). The region with the least irrigated areas was Singida (824 ha; 0.1), followed by Simiyu (956 ha; 0.1 percent) (Figure 2.6(a)).

Figure 2.6(a): Percentage of Area Irrigated (ha) by Region, Tanzania Mainland, 2016/17AASS



For Zanzibar, Mjini Magharibi (21.2 percent) had the largest planted area under irrigation, followed by Kusini Unguja (20.5 percent) (Figure 2.6(b)).

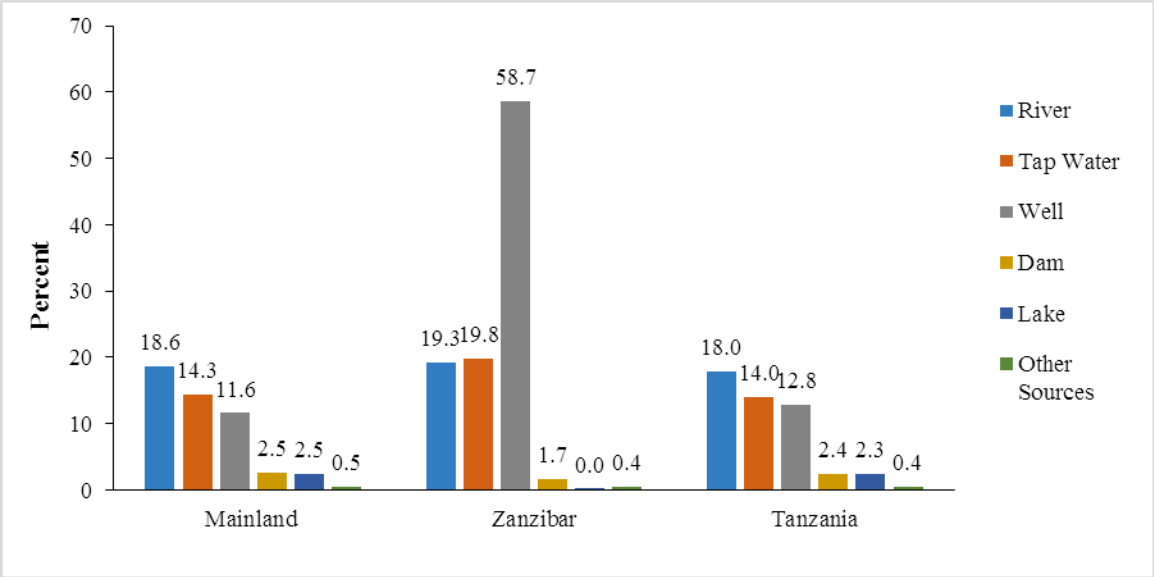
Figure 2.6(b): Percentage of Planted Area (ha) Irrigated by Region Zanzibar, 2016/17 AASS



2.3.2 Sources of Water for Irrigation

The main sources for irrigation in Tanzania was river water, which was used by 157,645 operators (18.0 percent of operators applying irrigation), followed by tap water (123,064; 14.0 percent) and wells (112,550; 12.8 percent). The survey result also reveals that, for Tanzania Mainland the main source of water for irrigation was river water, which was used by 151,788 operators (18.6 percent), followed by tap water (117,043 operators ;14.3 percent) and well (94,739; 11.6 percent). In Zanzibar, the main source of water for irrigation was wells which was reported by 17,812 operators (58.7 percent), followed by tap water (6,022; 19.8 percent) and rivers (5,857; 19.3 percent) (Figure 2.7).

Figure 2.7: Percentage of Operators by different Sources of Irrigation in Tanzania Mainland and Zanzibar, 2016/17, AASS

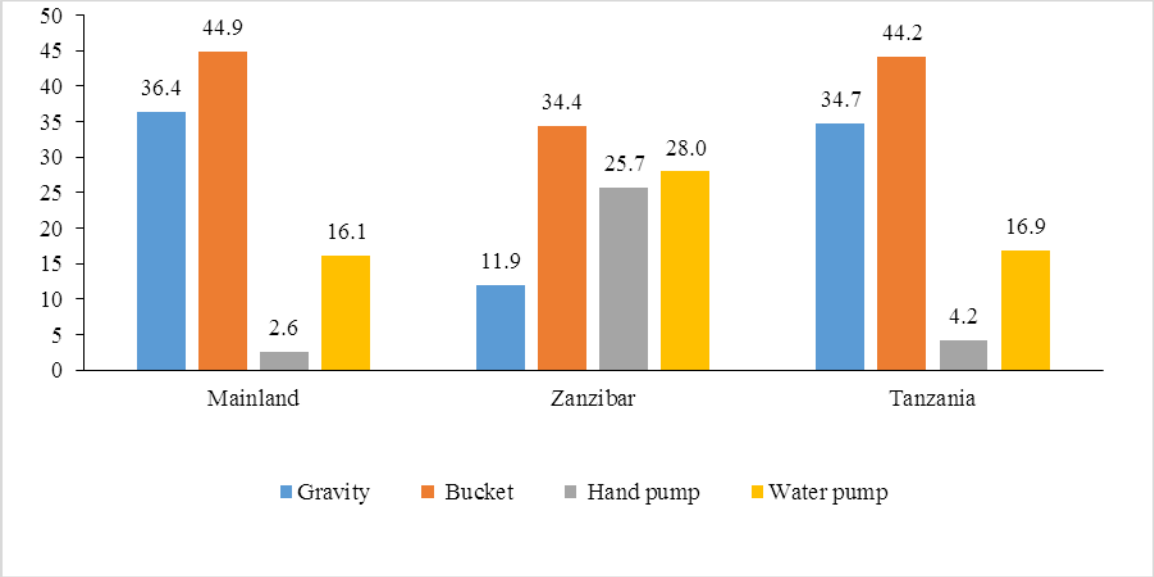


2.4.3 Methods of Irrigation

The main methods used by farm operators to obtain water for irrigation in Tanzania by farm operators include gravity, bucket, hand pump and water pump. Survey findings show that, in Tanzania, bucket was the main method of obtaining water for irrigation. This method for irrigation was used by 194,230 operators (44.2 percent of all operators), followed by gravity method (152,475; 34.7 percent) and water pump (74,353; 16.9 percent). In Tanzania Mainland, again the main method of obtaining water for irrigation was bucket (183,705; 44.9 percent), followed by gravity (148,833; 36.4 percent) and water pump (65,796; 16.1 percent). In Zanzibar, the bucket was the main method of obtaining water for irrigation (10,525; 34.4 percent),

followed by water pumps (8,557; 28.0 percent) and hand pumps (7,877; 25.7 percent) (Figure 2.8).

Figure 2.8 Percentage of Operators by Main Methods of Obtaining Water for Irrigation in Tanzania Mainland, and Zanzibar, 2016/17 AASS



Chapter Three

Crop Production

3.0 Introduction

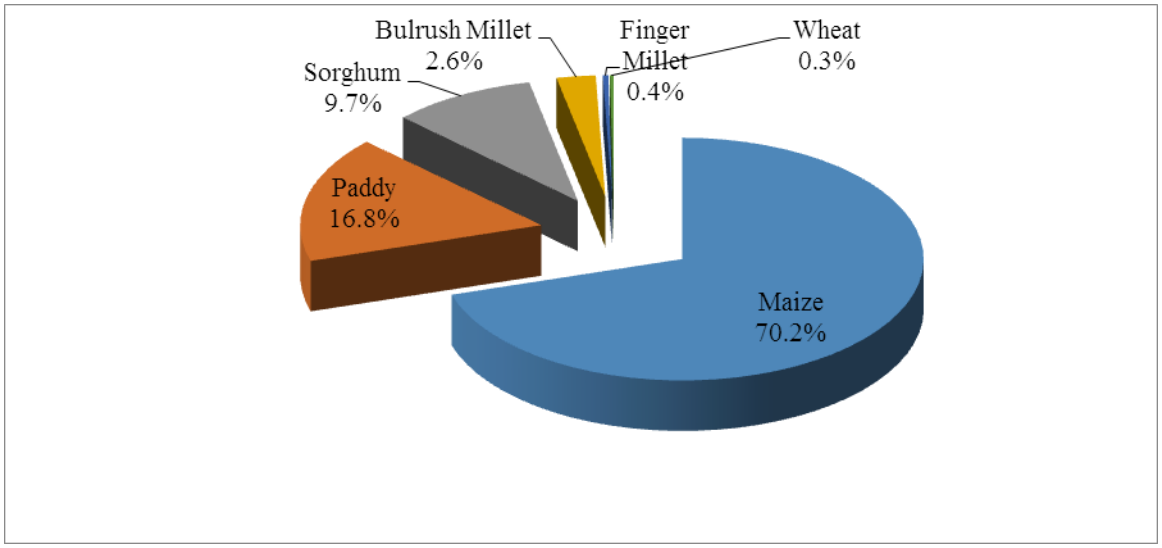
This chapter discusses in detail the findings of the survey on different crop types, number of operators, planted and harvested areas, crop production groups and yield. Findings on crop production are presented by considering different crops namely, cereals, roots and tuber, pulses, oil seeds and nuts, fruits and vegetables, fiber crops and permanent crops.

3.1 Cereal Crops Production

Cereal Crops are annual plants grown to produce grains which are mainly used as food, and animal feed. The important cereal crops produced in Tanzania are maize, paddy, sorghum, finger millet, bulrush millet and wheat. The total area planted with cereals was 8,638,771 ha of which 8,608,727 ha (99.7 percent) were in Tanzania Mainland and 30,045 ha (0.3 percent) in Zanzibar. Out of the total area planted with cereals, 6,855,270 ha (79.4 percent) were harvested out of which 6,827,902 ha (99.6 percent) were in Tanzania Mainland and only 27,367 ha (0.4 percent) in Zanzibar.

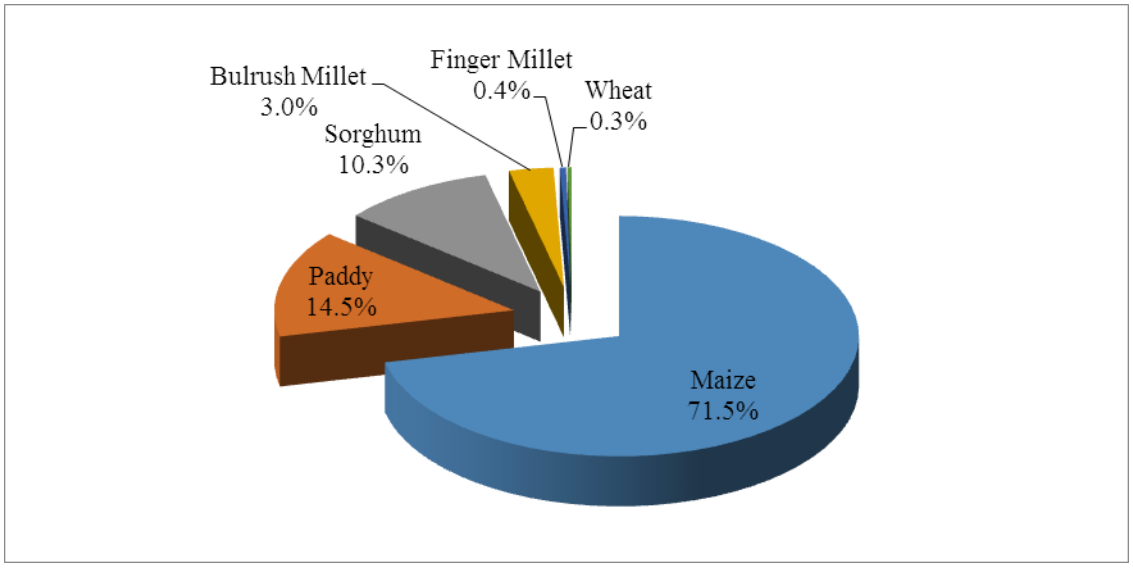
Maize with 6,067,996 ha (70.2 percent) occupied the largest portion of the planted area in Tanzania, followed by paddy (1,455,564 ha; 16.8 percent), sorghum (835,042 ha; 9.7 percent), bulrush millet (226,013 ha; 2.6 percent), finger millet (32,364 ha; 0.4 percent) and wheat (21,793 ha; 0.3 percent) (Figure 3.1(a)).

Figure 3.1(a): Percentage Share of Planted Area (ha) for Cereals, Tanzania, 2016/17 AASS



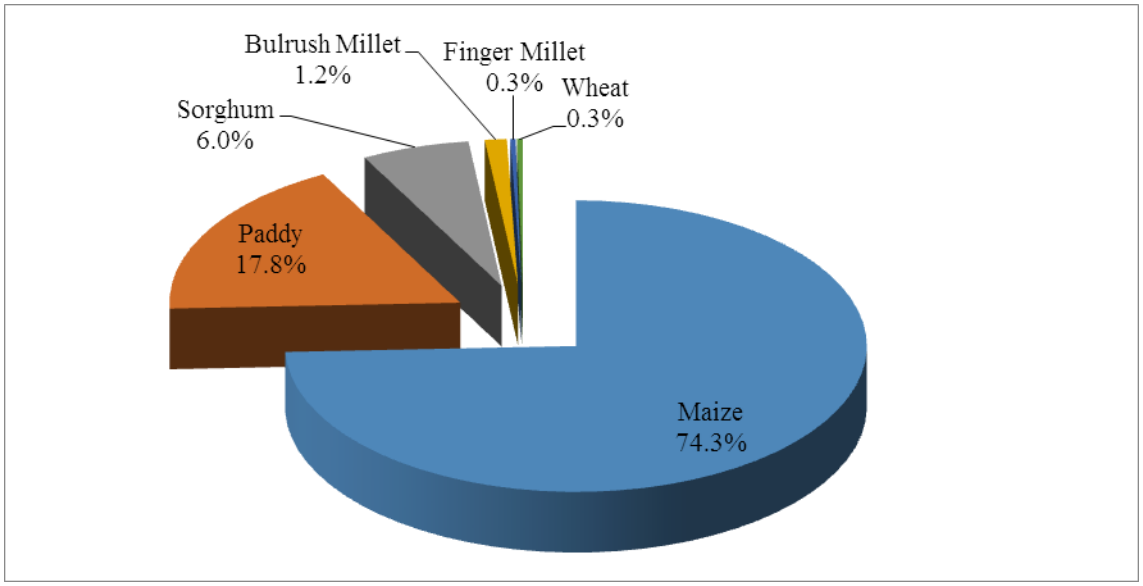
Among cereals, maize had the largest harvested area of 4,901,222 ha (71.5 percent) of which 4,896,306 ha were in Tanzania Mainland and 4,916 ha in Zanzibar. It was followed by paddy with 991,909 ha (14.5 percent) of which 970,141 ha were in Mainland and 21,768 ha in Zanzibar. Sorghum was third with a total harvested area of 708,471 ha (10.3 percent) in which 707,910 ha were in Tanzania Mainland and 560 ha in Zanzibar. Moreover, Bulrush millet had 205,838 ha (3.0 percent) of which 205,714 ha were in Mainland and 124 ha in Zanzibar, Both finger millet (28,259 ha; 0.4 percent) and wheat (19,571 ha; 0.3 percent) were grown in Mainland (Figure 3.1(b)).

Figure 3.1(b): Percentage Share of Harvested Area (Ha) for Cereals in Tanzania, 2016/17 AASS



Maize production was also the highest among the cereals harvested. A total of 5,766,984 tonnes (74.3 percent) of maize were harvested, with 5,759,863 tonnes from Tanzania Mainland and 7,120 tonnes from Zanzibar. Maize was followed by paddy (1,382,794 tonnes; 17.8 percent) of which 1,353,957 tonnes were harvested in Mainland and 28,837 tonnes in Zanzibar. Sorghum was third with a total production of 465,078 tonnes (6.0 percent) of which 464,806 tonnes were from Tanzania Mainland and 272 tonnes from Zanzibar. Moreover, bulrush millet had 103,605 tonnes (1.3 percent) of which 103,476 tonnes were harvested in Tanzania Mainland and 127 tonnes in Zanzibar. Wheat (24,385 tonnes; 0.3 percent) and finger millet (22,727 tonnes 0.3 percent) were also harvested. (Figure 3.1(c)).

Figure 3.1(c): Percentage Share of Cereal Production (tonnes) Tanzania, 2016/17 AASS



3.1.1 Maize

Maize was the most widely produced cereal crop in Tanzania and was grown by 7,431,144 operators of whom 7,406,070 (99.7 percent) were in Tanzania Mainland and 25,074 (0.3 percent) in Zanzibar. Results also indicate that 4,485,445 operators (60.4 percent) were engaged in maize production during long rainy season and 2,945,669 (39.6 percent) during short rainy season.

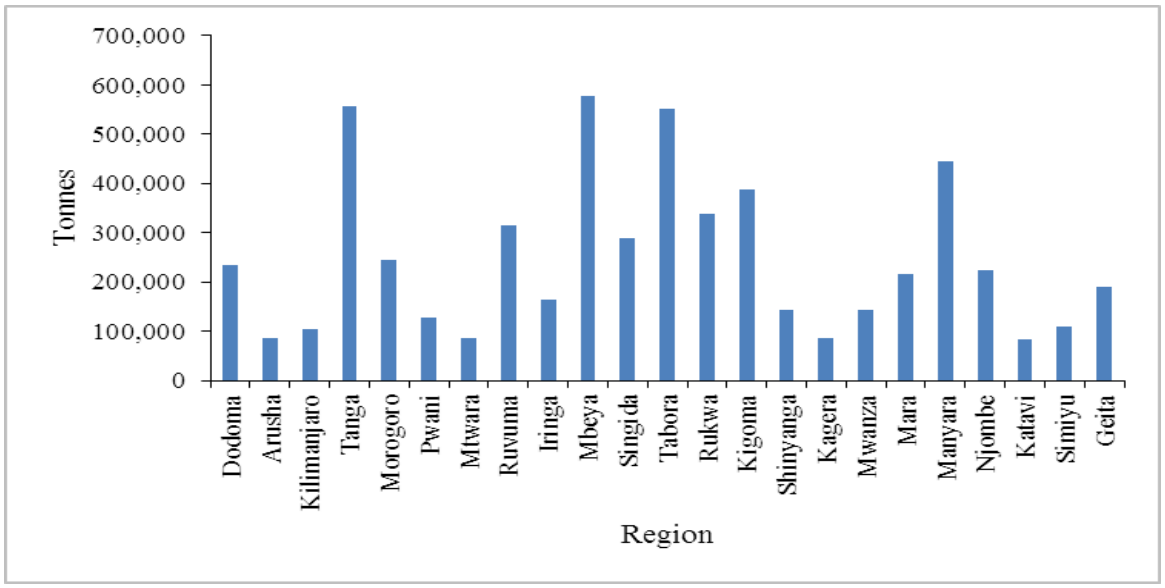
The total planted area for maize in Tanzania was 6,067,996 ha of which 6,062,433 ha (99.9 percent) were in Tanzania Mainland and 5,563 ha (0.1 percent) in Zanzibar. In Tanzania Mainland, Tabora Region (690,340 ha; 11.4 percent) had the largest maize planted area,

followed by Tanga (494,683 ha; 8.2 percent) and Manyara (420,938 ha; 7.0 percent).In Zanzibar, Kaskazini Unguja (2,353 ha; 42.3 percent) had the largest area planted with maize, followed by Kaskazini Pemba with 2,008 ha (36.1 percent).

Maize harvested area was 4,901,222 ha (80.5 percent of planted area) of which 4,896,306 ha were in Tanzania Mainland and 4,916 ha in Zanzibar. Furthermore, a total of 1,424,220 ha of maize planted area were harvested during short rainy season and 3,477,002 ha in the long rainy season.

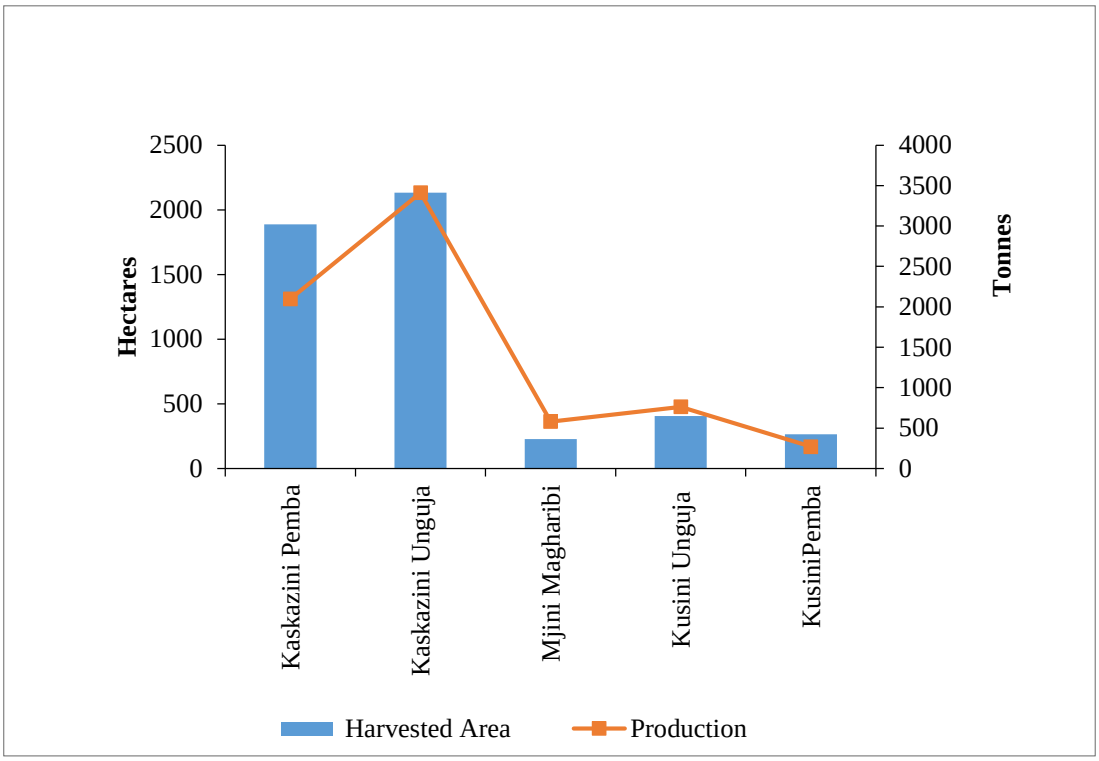
Results also reveal that, production of maize in Tanzania was 5,766,984 tonnes where 5,759,863 tonnes (99.9 percent) from Tanzania Mainland (yield of 2.2 tonnes/ha) and 7,120 tonnes (0.1 percent) from Zanzibar (yield of 3.1 tonnes/ha) In Tanzania Mainland, Mbeya Region recorded the highest maize production of 578,230 tonnes (10.0 percent) with crop yield of 3.7 tonnes/ha, followed by Tanga (555,222 tonnes, 9.6 percent) with yield of 2.3 tonnes/ha and Tabora with 551,343 tonnes(9.5 percent) with a yield of 2.2 tonnes/ha (Figure 3.2(a)).

Figure 3.2(a): Production (tonnes) of Maize by Region, Tanzania Mainland, 2016/17 AASS



Kaskazini Unguja Region (3,411 tonnes; 47.9 percent) recorded the highest maize production in Zanzibar and a crop yield of 3.3 tonnes/ha, followed by Kaskazini Pemba (2,099 tonnes; 29.5 percent) which had an average yield of 2.4 tonnes/ha (Figure 3.2(b)).

Figure 3.2 (b): Harvested Area (ha) and Production (tonnes) of Maize by Region, Zanzibar, 2016/17 AASS



3.1.2 Paddy

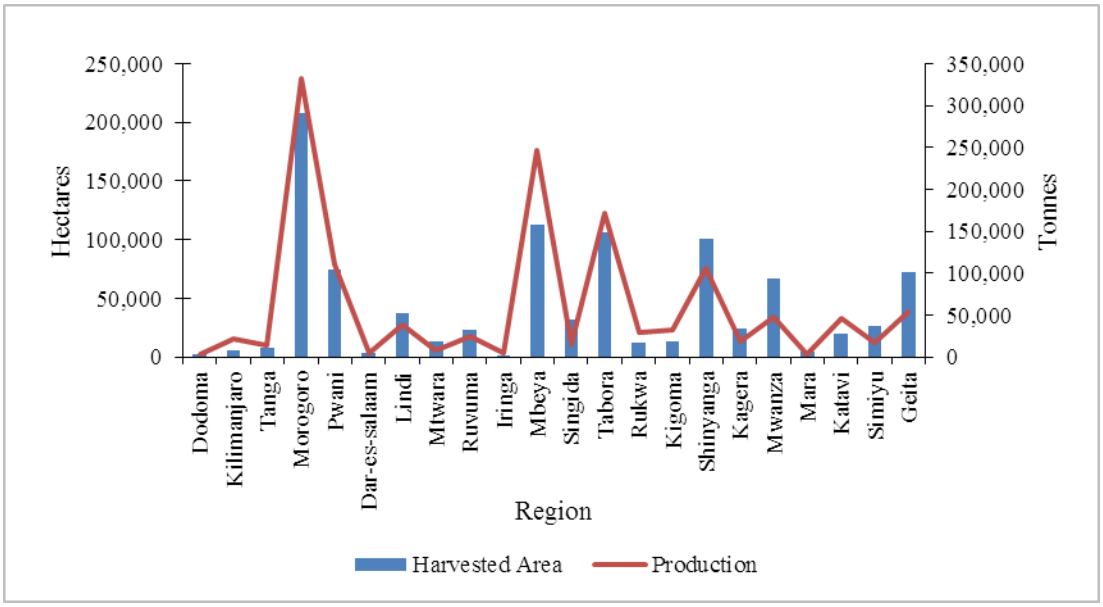
Paddy was the second most produced cereal crop in the country with 1,676,859 operators of whom 1,597,123 (95.2 percent) were in Tanzania Mainland and 79,736 (4.8 percent) in Zanzibar. During the long rainy season, a total number of 1,018,879 operators were engaged in paddy production and 591,016 operators in long rainy season.

Furthermore, the total area planted with paddy in Tanzania was 1,455,564 ha with 1,431,996 ha (98.4 percent) in Tanzania Mainland and 23,567 ha (1.6 percent) in Zanzibar. In Tanzania Mainland, Tabora Region (248,703; 17.0 percent) had the largest area planted with paddy, followed by Morogoro (221,864 ha; 15.2 percent) and Shinyanga (212,990 ha; 14.5 percent). In Zanzibar, Kusini Pemba Region (8,196 ha; 34.8 percent) had the largest area planted with paddy, followed by Kaskazini Pemba (5,983 ha; 25.4 percent).

The total area of paddy harvested in Tanzania was 991,909 ha: 970,141 ha (97.8 percent) in Tanzania Mainland and 21,768 ha (2.2 percent) in Zanzibar. Total production of paddy in Tanzania was 1,382,794 tonnes of which 1,353,957 tonnes (97.9 percent) were from Mainland and 28,837 tonnes (2.1 percent) from Zanzibar. The average yields of paddy was 2.5tonnes/ha in Tanzania Mainland and 3.1 tonnes/ha in Zanzibar.

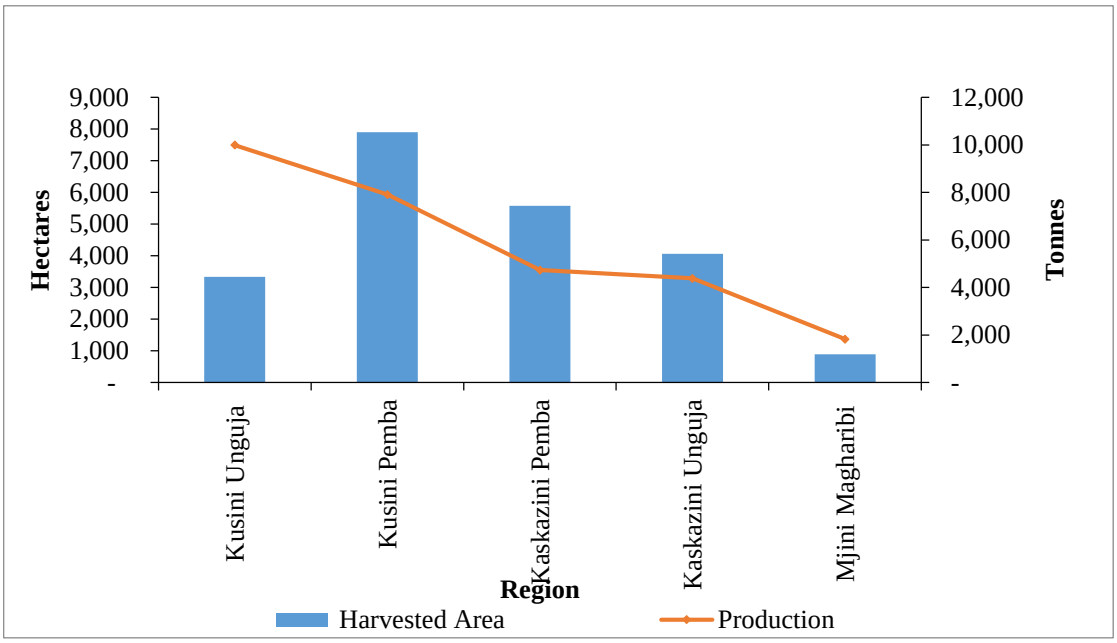
Morogoro Region with 332,280 tonnes (24.0 percent) and crop yield of 4.0 tonnes/ha had the highest paddy production in Tanzania Mainland, followed by Mbeya with 246,649 tonnes (17.8 percent) and a yield of 2.2 tonnes/ha; and Tabora with 171,150 tonnes (12.4 percent) and a yield of 2.9 tonnes/ha (Figure 3.3(a)).

Figure 3.3 (a): Harvested Area (ha) and Production (tonnes) of Paddy by Region in Tanzania Mainland, 2016/17 AASS



In Zanzibar, the total area of paddy harvested was 21,768 ha resulting to a total production of 28,837 tonnes of paddy at an average yield of 1.3 ton/ha. The highest production of paddy was recorded in Kusini Unguja (9,990 tonnes), followed by Kusini Pemba (7,912 tonnes). (Figure 3.3 (b)).

Figure 3.3(b): Area Harvested (ha) and Production (tonnes) of Paddy by Region, Zanzibar, 2016/17 AASS



3.1.3 Sorghum

In Tanzania, a total of 1,112,487 operators were engaged in growing sorghum. Out of those 1,108,752 (99.7 percent) were in Tanzania Mainland and 3,735 (0.3 percent) in Zanzibar. The operators were 343,030 (30.8 percent) during the short rainy season, and 769,457 (69.2 percent) in the long rainy season.

The total area planted with sorghum was 835,042 ha of which 834,284 ha (99.9 percent) were in Tanzania Mainland and 758 ha (0.1 percent) in Zanzibar. The total production of sorghum was 465,078 tonnes of which 464,806 tonnes (99.9 percent) were from Tanzania Mainland and 272 tonnes (0.1 percent) from Zanzibar.

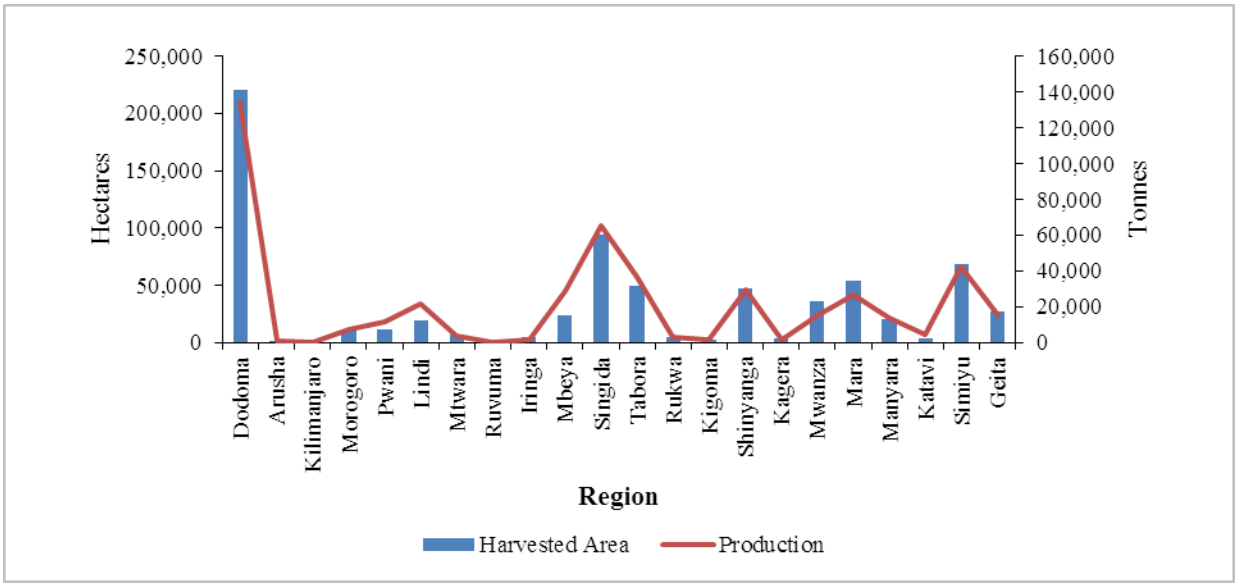
Among regions of Tanzania Mainland, Dodoma (257,690 ha; 31.0 percent) had the largest area planted with sorghum, followed by Singida (98,263 ha; 12.0 percent) and Simiyu (76,619 ha; 9.2 percent). In Zanzibar, four regions cultivated sorghum; Kaskazini Pemba, Kusini Pemba, Kaskazini Unguja and Kusini Unguja with a total planted area of 758 hectares.

The area of sorghum harvested in Tanzania was 708,470 ha (84.5 percent of planted area in Tanzania), of which 707,910 ha were in Tanzania Mainland and 560 ha in Zanzibar. The area harvested was 173,685 ha during the short rainy season and 534,786 ha during the long rainy season. Total production of sorghum in Tanzania was 465,078 tonnes of which 464,806 tonnes

(99.9 percent) were from Tanzania Mainland (yield of 0.6 tonnes/ha) and 272 tonnes (0.1 percent) from Zanzibar (yield of 0.5 tonnes/ha).

Among regions in Tanzania Mainland, Dodoma (133,976 tonnes; 29.0 percent) was leading, followed by Singida (65,533 tonnes; 14.1 percent) and Simiyu (42,167 tonnes; 9.1 percent). Zanzibar had a total production of 272 tonnes (Figure 3.4).

Figure 3.4: Harvested Area (ha) and Production (tonnes) of Sorghum by Region, Tanzania Mainland, 2016/17 AASS



3.1.4 Wheat

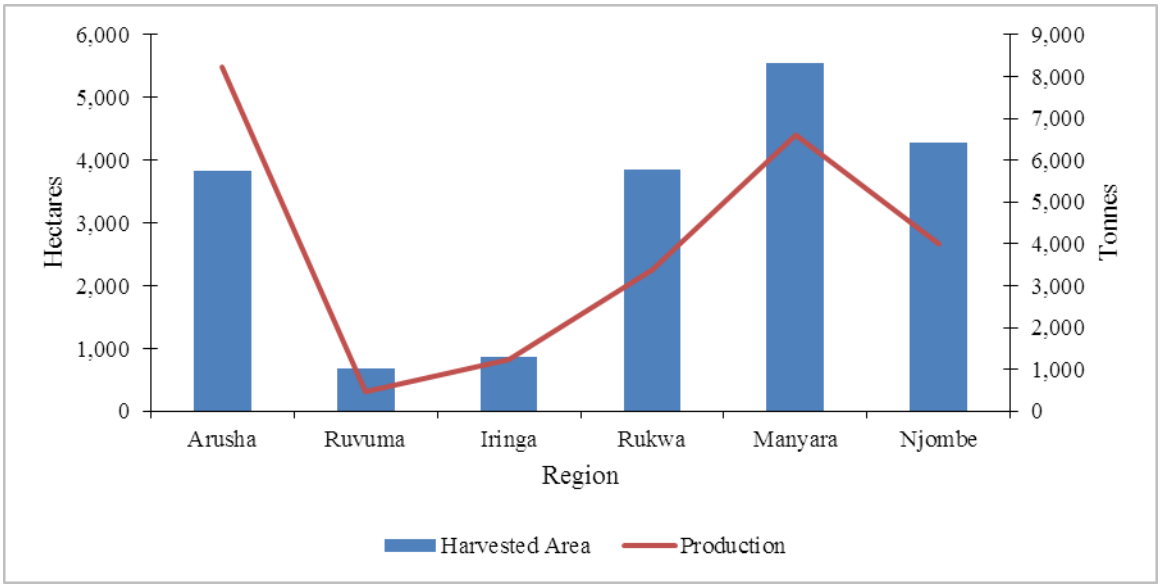
Wheat was produced only in Tanzania Mainland by Arusha, Kilimanjaro, Njombe, Ruvuma, Iringa, Mbeya, Rukwa and Manyara regions. It was grown by 30,254 operators of which 824 operators were engaged in production during short rainy season and 29,430 during long rainy season.

The total planted area with wheat in Tanzania was 21,793 ha, of which 914 ha (4.2 percent) were planted during the short rainy season and 20,879 ha (95.8 percent) in the long rainy season. Manyara Region (6,198 ha; 28.4 percent) had the largest area planted with wheat, followed by Njombe (5,306 ha; 24.3 percent) and Rukwa (4,131 ha; 18.9 percent).

Area harvested with wheat was 19,571 ha (89.8 percent of total area planted with wheat). A total of 24,385 tonnes of wheat were produced at an average yield of 1.2 tonnes/ha. Arusha

Region recorded the highest wheat production of 8,221 tonnes at an average yield of 1.2 tonnes/ha, followed by Manyara with 6,589 tonnes (4.1 tonnes/ha), Njombe (4,006 tonnes; 1.4 tonnes/ha) and Rukwa (3,382 tonnes; 3.6 tonnes/ha) (Figure 3.5).

Figure 3.5: Harvested Area (ha) and Production (tonnes) of Wheat by Region in Tanzania Mainland, 2016/17 AASS



3.1.5 Bulrush Millet

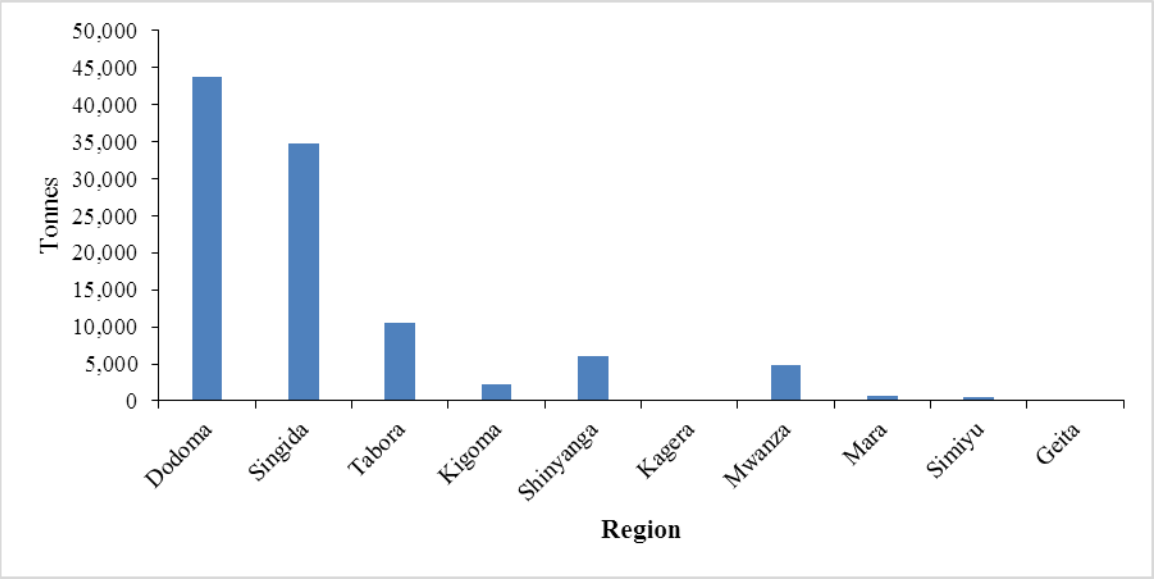
Bulrush millet was another cereal crop grown by a few regions in Tanzania. The total number of operators engaged in the production of bulrush millet production was 258,045 of which 257,351 were in Tanzania Mainland and 694 in Zanzibar.

During the 2016/17 agriculture year, bulrush millet was planted on a total area of 226,013 ha of which 225,563 ha was in Tanzania Mainland and 157 ha in Zanzibar. In Mainland, Dodoma Region (123,788 ha 54.8 percent) had the largest area planted with bulrush millet, followed by Singida (58,834 ha; 26.0 percent) and Shinyanga (24,874 ha; 11.0 percent). In Zanzibar, bulrush millet was cultivated in regions of Kaskazini Pemba and Kaskazini Unguja.

Area harvested for bulrush millet was 205,838 ha (91.1 percent of the planted area) of which 205,714 ha were in Tanzania Mainland and 124 ha in Zanzibar. A total number of 23,112 ha of bulrush millet were harvested during the short rainy season and 182,726 ha in the long rainy season.

The results also disclose that in Tanzania Mainland production was 103,476 tonnes at an average yield of 0.5 tonnes/ha of which 11,032 tonnes were produced during short rainy season and 92,444 tonnes in long rainy season. Dodoma Region (43,800 tonnes; 42.3 percent) led in production, followed by Singida (34,836 tonnes; 33.7 percent) and Shinyanga (6,027 tonnes; 5.8 percent) (Figure 3.6). In Zanzibar, bulrush millet was produced by two regions: Kaskazini Pemba and Kaskazini Unguja with a total of 129 tonnes.

Figure 3.6: Bulrush Millet Production (tonnes), Tanzania 2016/17 AASS



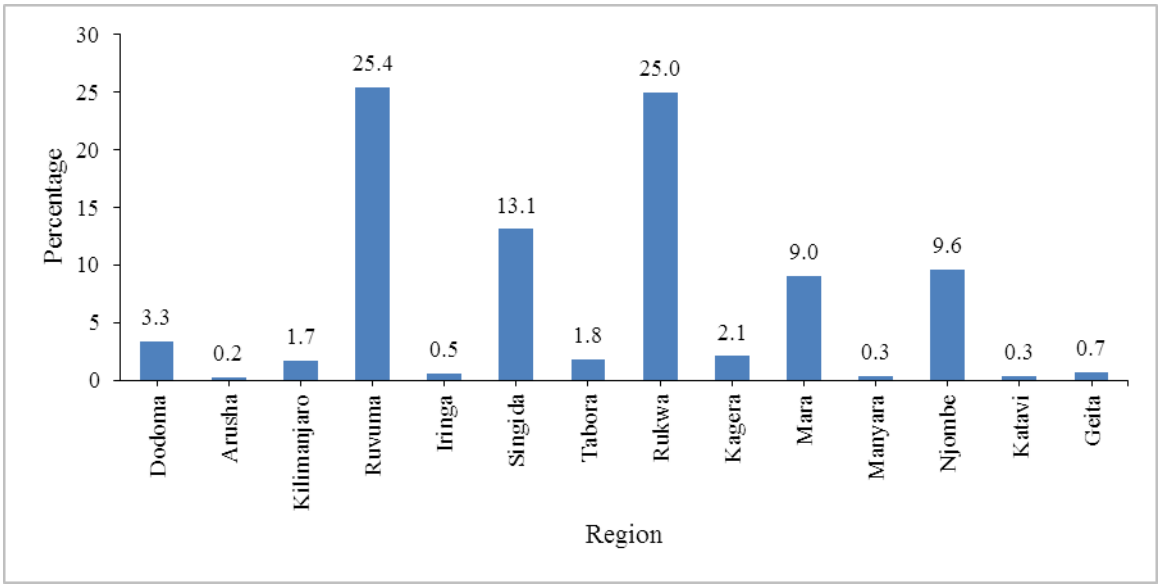
3.1.6 Finger Millet

Finger Millet was only grown in Tanzania Mainland. It had a total of 74,086 operators engaged in production: 26,245 operators during the short rainy season and 47,841 in the long rainy season.

Finger millet had a total planted area of 32,364 ha of which 10,335 ha (31.9 percent) were planted during the short rainy season and 22,029 ha (68.1 percent) in long rainy season. The results also show that 28,259 ha (87.3 percent of the planted area) were harvested giving a total of 22,727 tonnes at an average yield of 0.8 tonnes/ha: 19,476 ha (69 percent) harvested during long rainy season and 8,784 ha (31 percent) during short rainy season.

Ruvuma Region (5,778 tonnes; 25.4 percent) led in finger millet production. It was followed by Rukwa (5,682 tonnes; 25.0 percent) and Singida (2,978 tonnes; 13.1percent). (Figure 3.7).

Figure 3.7: Production (percent) of Finger Millet by Region, Tanzania Mainland, 2016/17 AASS



3.2 Roots and Tuber Crop Production

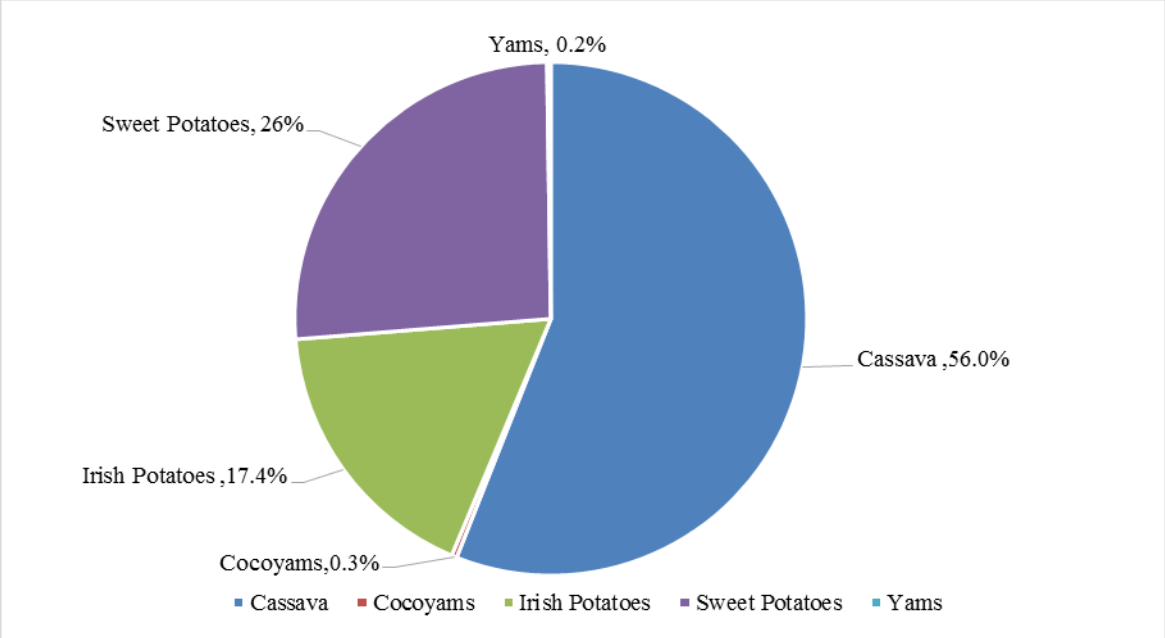
Roots and tuber crops grown in Tanzania include cassava, sweet potatoes, Irish potatoes, yams and cocoyams. These crops were produced during both, short and long rainy seasons but predominantly in the later for both Tanzania Mainland and Zanzibar. The total number of operators engaged in roots and tuber productions was 3,365,780 of which 3,202,615 (95.1 percent) were in Tanzania Mainland and 163,165 (4.9 percent) in Zanzibar.

The total area planted with roots and tuber was 1,292,942 ha of which 1,248,444 ha (96.6 percent) were in Tanzania Mainland and 44,497 ha (3.4 percent) in Zanzibar. Furthermore, the total harvested area was 692,028 ha of which 662,454 ha (95.7 percent) were in Tanzania Mainland and 29,575 ha (4.3 percent) in Zanzibar. The total production of roots and tuber was 1,122,637 tonnes of which 1,051,218 tonnes (93.6 percent) were in Tanzania Mainland and 71,419 tonnes (6.4 percent) in Zanzibar.

In the roots and tuber group of crops, cassava had the highest production of 628,611 tonnes (56.0 percent) in Tanzania of which 572,727 tonnes were from Tanzania Mainland and 55,884 tonnes in Zanzibar. Cassava followed by sweet potatoes (292,363 tonnes; 26.0 percent) of which 279,010 tonnes were harvested in Tanzania Mainland and 13,353 tonnes in Zanzibar. Irish potato was third with total production of 195,324 tonnes (17.4 percent) of which 195,280 tonnes were from Mainland and 44 tonnes from Zanzibar. Cocoyams was fourth with 3,742 tonnes (0.3 percent) of which 3,144 tonnes were harvested in Tanzania Mainland and 598

tonnes in Zanzibar, while yams was last with a production of 2,599 tonnes (0.2percent) of which 1,058 tonnes were harvested in Tanzania Mainland and 1,541 tonnes in Zanzibar (Figure 3.8).

Figure 3.8: Production (percent) for Roots and Tuber Crops in Tanzania, 2016/17 AASS



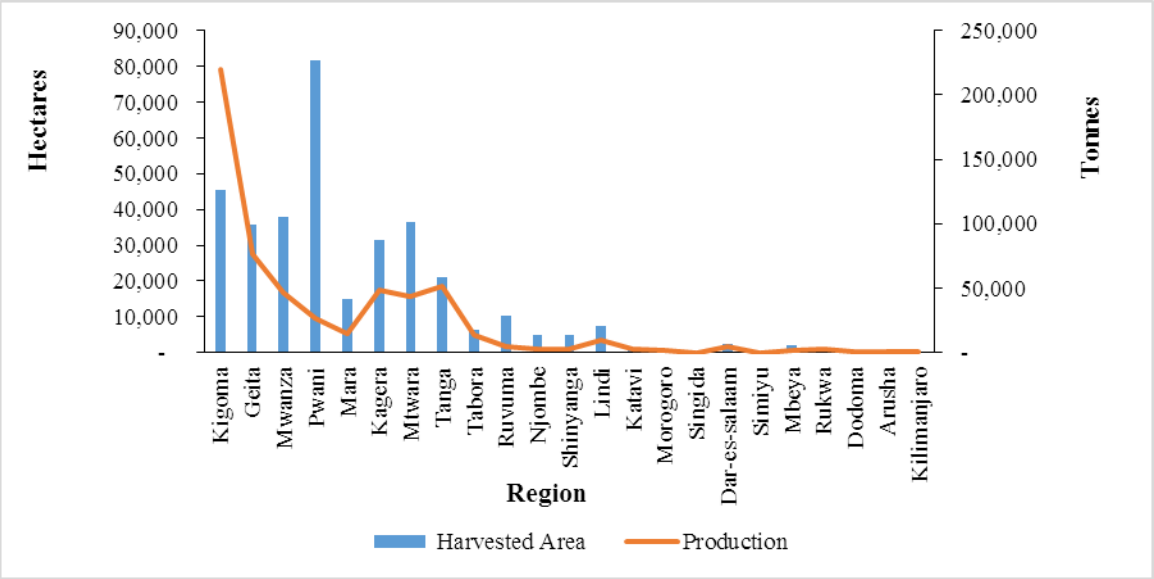
3.2.1 Cassava

Cassava had 2,072,914 operators of which 1,960,298 were in Tanzania Mainland and 112,616 in Zanzibar. The total planted area for cassava was 888,355 ha of which 853,015 ha (96.0 percent) were in Tanzania Mainland and 35,340 ha (4.0 percent) in Zanzibar. Among regions in Tanzania Mainland, Kigoma Region (138,251 ha; 16.2 percent) had the largest area planted of cassava, followed by Geita (127,807 ha; 15.0 percent) and Mwanza (114,654 ha; 13.4 percent). In Zanzibar, Kaskazini Pemba Region (11,564 ha; 32.7 percent) had the largest area planted with cassava.

The total harvested area for cassava was 369,405 ha (41.6 percent of planted area) of which 347,499 ha were in Tanzania Mainland and 21,906 ha in Zanzibar. In Tanzania Mainland, Pwani Region (81,638 ha; 23.5 percent) had the largest harvested area, followed by Kigoma Region (45,340 ha; 13.0 percent), and Mwanza (38,039 ha; 10.9 percent). In Zanzibar, Kaskazini Pemba Region (6,860 ha; 32.7 percent) had the largest harvested area for cassava.

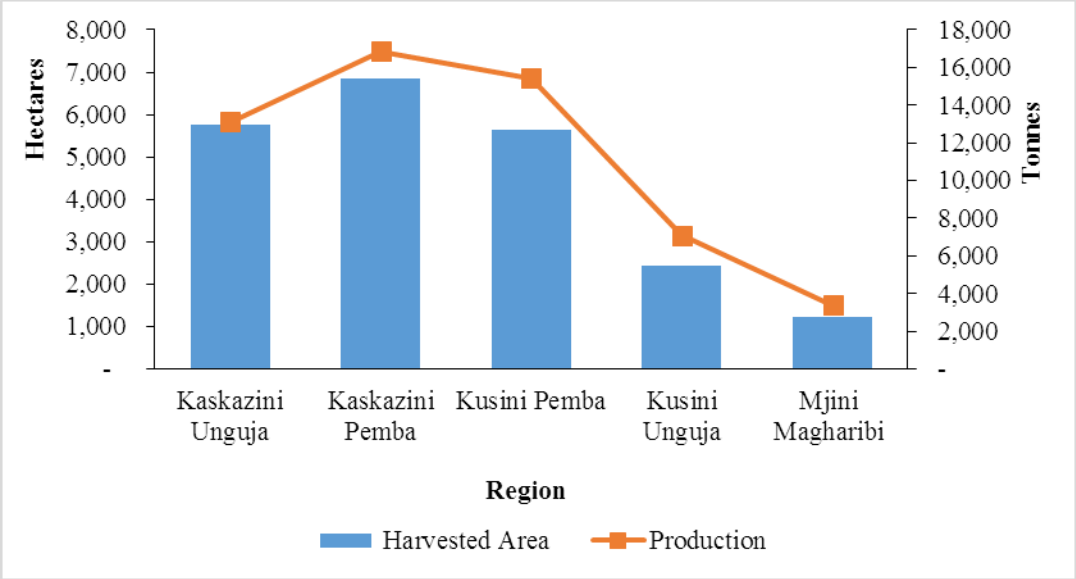
Cassava production in Tanzania was 628,610 tonnes of which 572,727 tonnes (91.1 percent) were produced in Mainland and 55,884 tonnes (8.9 percent) in Zanzibar. The highest production of cassava in the Tanzania Mainland was reported in Kigoma Region (219,708 tonnes; 38.4 percent) followed by Geita (76,434 tonnes; 13.3 percent) and Tanga (51,237 tonnes; 8.9 percent) (Figure 3.9 (a)).

Figure 3.9(a): Harvested Area (ha) and Production (tonnes) of Cassava by Region in Tanzania Mainland, 2016/17 AASS



In Zanzibar, the highest cassava production was reported in Kaskazini Pemba Region (16,865 tonnes; 30.2 percent), followed by Kusini Pemba (15,438 tonnes; 27.2 percent) and Kaskazini Unguja (13,119 tonnes; 23.5 percent) (Figure 3.9 (b)).

Figure 3.9(b): Harvested Area (ha) and Production (tonnes) of Cassava by Region in Zanzibar, 2016/17 AASS



Results show that the average yield of cassava in Tanzania Mainland was 2.0 tonnes/ha. At regional level, Kigoma Region had the highest yield of 4.8 tonnes/ha, followed by Rukwa (3.0 tonnes/ha). On the other hand, the average yield for cassava in Zanzibar was 2.6 tonnes/ ha with the highest yield being that of Kusini Unguja (2.9 tonnes/ha), followed by Kusini Pemba (2.74 tonnes/ha).

3.2.2 Sweet Potatoes

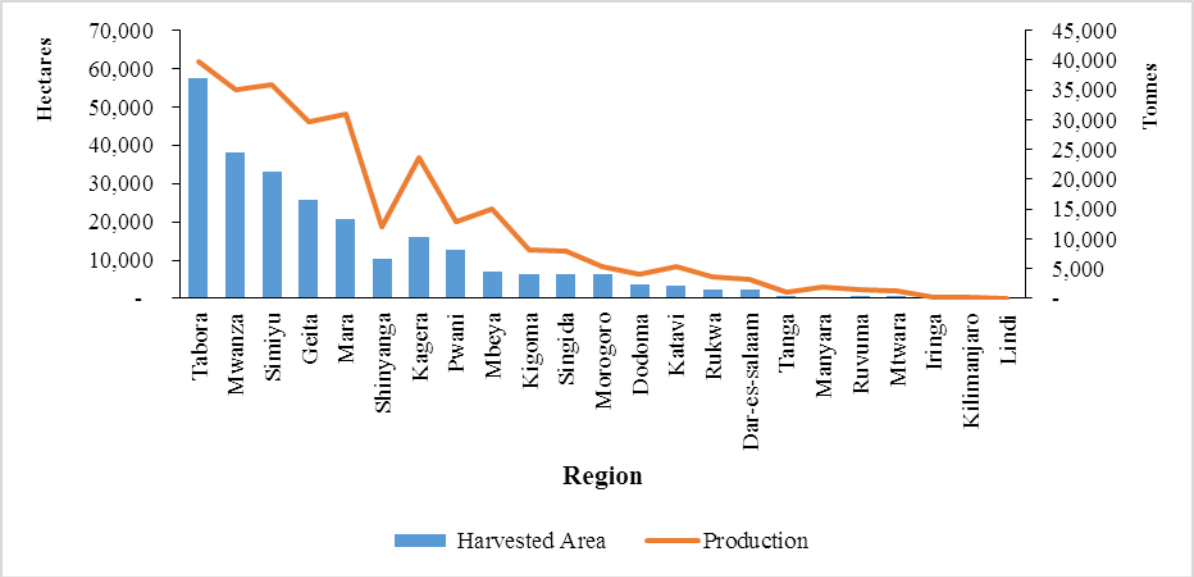
Operators engaged in the production of sweet potatoes in Tanzania were 1,076,321 of which 1,040,773 (96.7 percent) were in Tanzania Mainland and 35,548 (3.3 percent) in Zanzibar. In Mainland, results indicate that operators engaged in sweet potatoes production were 426,254 during short the rainy season and 614,519 during the long rainy season. In Zanzibar, Operators engaged in sweet potatoes production were 18,885 during short rainy season and 16,663 during the long rainy season.

The planted area for sweet potatoes in Tanzania was 331,475 ha of which 324,229 ha (97.8 percent) were in Tanzania Mainland and 7,246 ha (2.2 percent) in Zanzibar. In Tanzania Mainland, the region with the largest planted area for sweet potatoes was Tabora (75,469 ha; 23.3 percent), followed by Mwanza (52,914 ha; 16.3 percent) and Simiyu (38,530 ha; 11.9 percent). In Zanzibar, Kaskazini Pemba Region (3,168 ha; 43.7 percent) had the largest area.

The total harvested area for sweet potatoes was 260,299 ha of which 254,177 ha (97.6 percent) were in Tanzania Mainland and 6,121 ha (2.4 percent) in Zanzibar. In Tanzania Mainland, the region with the largest harvested area for sweet potatoes was Tabora, (57,365 ha; 22.6 percent), followed by Mwanza (38,051 ha; 15.0 percent) and Simiyu (32,940 ha; 13.0 percent). In Zanzibar, Kaskazini Pemba Region (2,740 ha; 44.8 percent) had the largest harvested area for sweet potatoes.

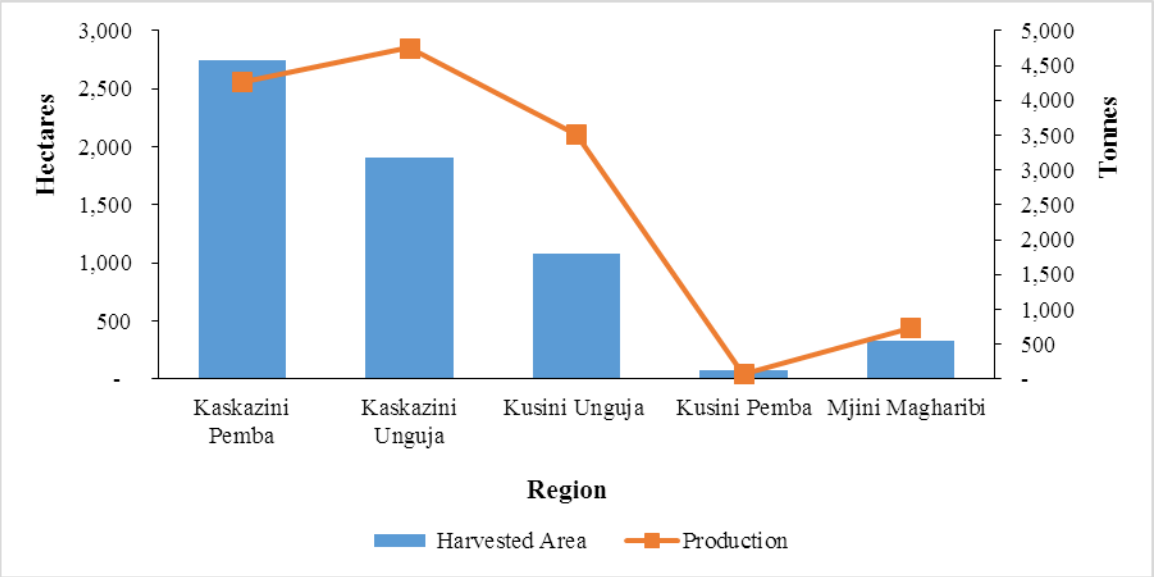
The total production of sweet potatoes was 292,363 tonnes was of which 279,010 tonnes (95.4 percent) were in Tanzania Mainland and 13,353 tonnes (4.6 percent) in Zanzibar. The region with the highest production of sweet potatoes in Tanzania Mainland was Tabora (39,839 tonnes; 14.3 percent) followed by Simiyu (35,977 tonnes; 12.9 percent) and Mwanza (35,030 tonnes; 12.3 percent) (Figure 3.10 (a)).

Figure 3.10(a): Harvested Area (ha) and Production (tonnes) of Sweet Potatoes by Region, Tanzania Mainland, 2016/17 AASS



In Zanzibar, the highest sweet potatoes production was in Kaskazini Unguja Region (4,752 tonnes; 35.6 percent), followed by Kaskazini Pemba (4,270 tonnes; 32.0 percent) and Kusini Unguja (3,516 tonnes; 26.3 percent). (Figure 3.10(b)).

Figure 3.10(b): Harvested Area (ha) and Production (tonnes) of Sweet Potatoes in Zanzibar, 2016/17 AASS



In Tanzania Mainland, the highest average yield of sweet potatoes was in Manyara Region (4.6 tonnes/ha) followed by Mbeya (4.2 tonnes/ha) and Kigoma (3.9 tonnes/ha). The highest sweet potatoes yield in Zanzibar was in Kusini Unguja Region (6.6 tonnes/ha), followed by Kaskazini Unguja (5.0 tonnes/ha).

3.2.3 Irish Potatoes

Irish potatoes were mainly grown in Tanzania Mainland and in only one region of Zanzibar (Kaskazini Unguja). The total number of operators engaged in growing Irish potatoes was 173,772 of which 64,239 operators grew them during the short rainy season and 109,533 operators in the long rainy season.

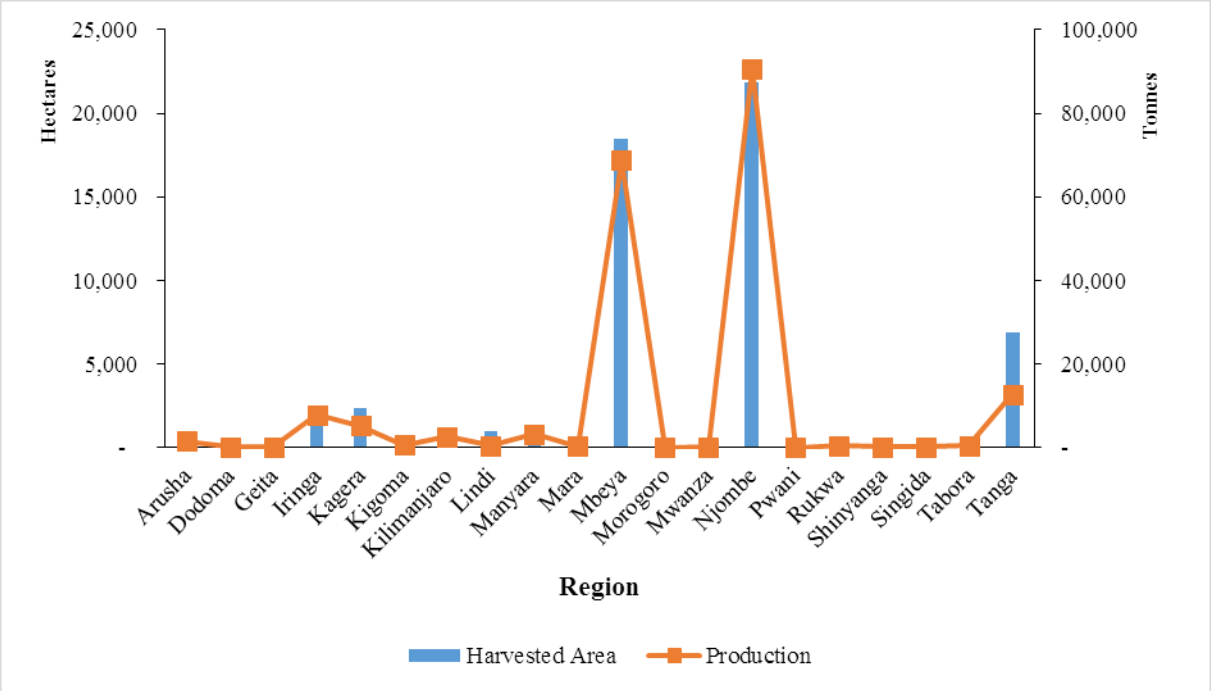
Planted area for Irish potatoes in Tanzania was 66,356 ha, and Njombe Region (26,727 ha; 40.3 percent) had the largest planted area of Irish potatoes, followed by Mbeya (18,436 ha; 27.8 percent) and Tanga (8,326 ha; 12.5 percent).

The harvested area for Irish potatoes was 57,458 ha and Njombe Region (21,822 ha; 38.0 percent) had the largest harvested area, followed by Mbeya (18,436 ha; 32.1 percent) and Tanga (6,845 ha; 12.5 percent). (Figure 3.11).

A total of 195,324 tonnes was produced and the region with highest production was Njombe Region (90,646 tonnes; 46.4 percent), followed by Mbeya (68,800 tonnes, 35.2 percent) and Tanga (12,722 tonnes, 6.5 percent). The highest average yield of Irish potatoes was that of

Kilimanjaro Region (8.9 tonnes/ha), followed by Njombe (8.5 tonnes/ha) and Iringa (8.3 tonnes/ha).

Figure 3.11: Harvested Area (ha) and Production (tonnes) of Irish Potatoes in Tanzania Mainland, 2016/17 AASS

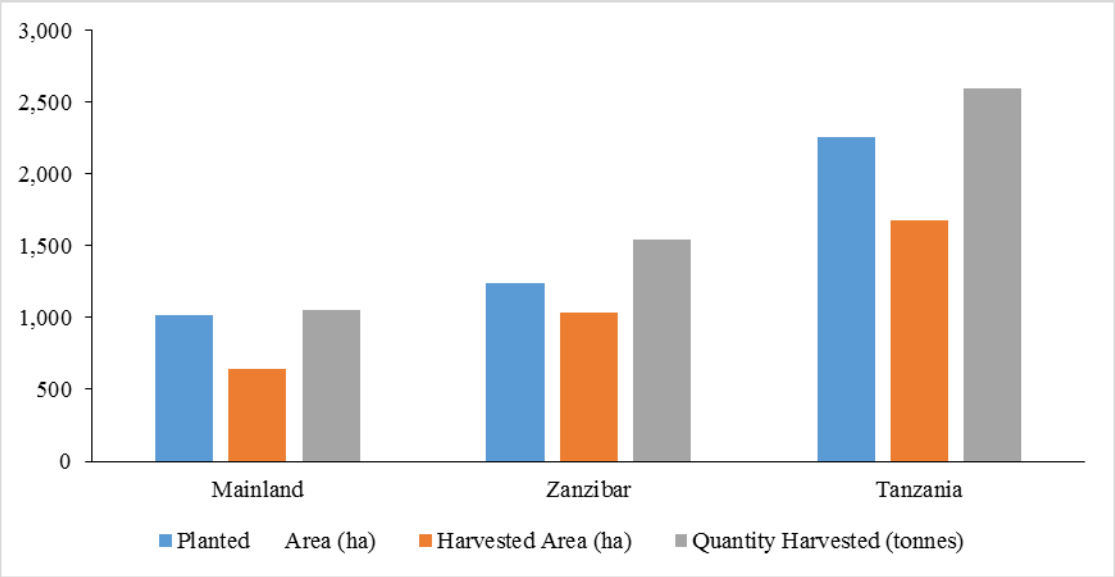


3.2.4 Yams

Operators engaged in yams production were 11,903 of which 3,002 (25.2 percent) were in Tanzania Mainland and 8,901 (74.8 percent) in Zanzibar. Furthermore, 9,061 operators (76.1 percent) in Mainland were engaged during short rainy season and 2,842 (23.9 percent) in the long rainy season. Yams were planted in an area of 2,256 ha of which 1,015 ha (45.0 percent) were in Mainland and 1,241 ha (55.0 percent) in Zanzibar.

The harvested area for yams was 1,678 ha of which 646 ha (38.5 percent) were in Tanzania Mainland and 1,032 ha (61.5 percent) in Zanzibar. Total production of yams in Tanzania was 2,598 tonnes of which 1,058 tonnes (40.7 percent) were from Tanzania Mainland and 1,541 tonnes (58.3 percent) from Zanzibar (Figure 3.11(b)).The average yield of yams was 3.2 tonnes/ha in Tanzania Mainland and 3.9 tonnes/ha in Zanzibar (Figure 3.12).

Figure 3.12: Planted Area (ha), Harvested Area (ha) and Production (tonnes) of Yams, 2016/17 AASS



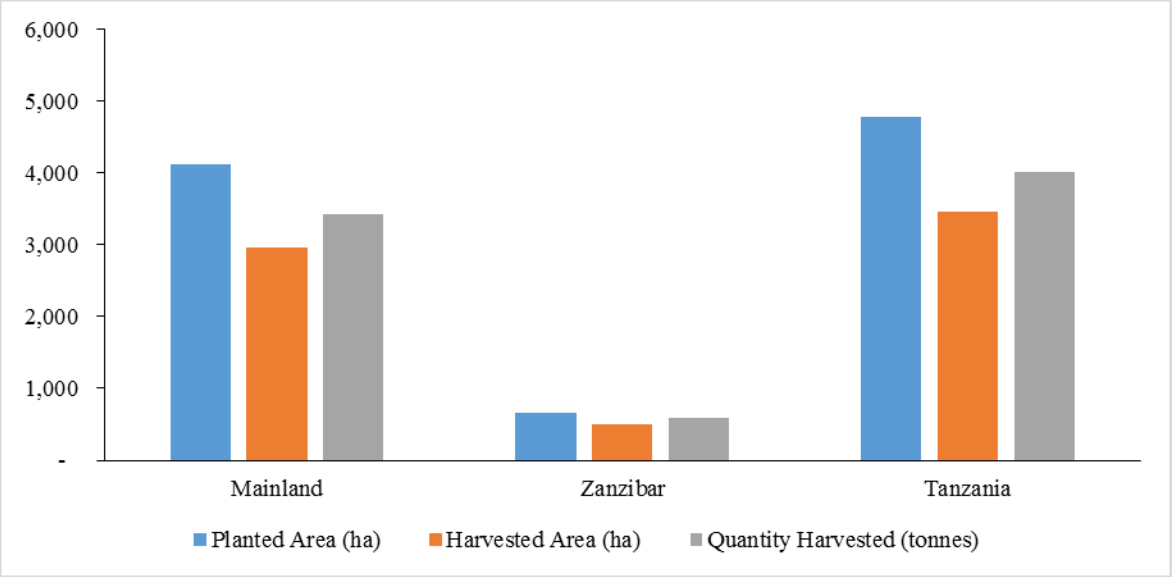
3.2.5 Cocoyams

Cocoyam was grown by a few regions in Tanzania Mainland and all regions in Zanzibar. It engaged a total of 30,871 operators of which 24,845 (80.5 percent) were in Tanzania Mainland and 6,026 (19.5 percent) in Zanzibar. During the short rainy season, the number of operators who planted cocoyam were 11,646 (37.7 percent) while in the long rainy season they were 19,224 (62.3 percent).

The total area planted with cocoyam for Tanzania was 4,500 ha of which 3,843 ha (80.4 percent) were in Tanzania Mainland and 657 ha (14.6 percent) in Zanzibar. (Figure 3.13)

The total harvested area for cocoyams in Tanzania was 3,189 ha of which 2,688 ha (84.3 percent) were in Tanzania Mainland and 501 ha (15.7 percent) in Zanzibar. Total production of cocoyam in Tanzania was 3,742 tonnes of which 3,144 tonnes (84 percent) were in Tanzania Mainland and 598 tonnes (16 percent) in Zanzibar. The average yields of cocoyams was 2.5 tonnes/ha in Tanzania Mainland and 1.8 tonnes/ha in Zanzibar.

Figure 3.13: Planted Area (ha), Harvested Area (ha) and Production (tonnes) of Cocoyam, Tanzania, 2016/17 AASS



3.3 Pulses

Pulses which were found in this survey were beans, pigeon peas, cow peas and green grams. Others were bambaranuts, chick peas, green peas and soya beans. The number of operators growing pulses was 3,120,929 of whom 2,970,496 (95.2 percent) were in Tanzania Mainland and 26,366 (4.8 percent) in Zanzibar. All pulses were produced in both short and long rainy seasons. The total area planted with pulses was 1,194,801 ha of which 1,190,047 ha (99.6 percent) were in Tanzania Mainland and 4,754 ha (0.4 percent) in Zanzibar. The total quantity harvested was 541,470 tonnes with 540,822 tonnes (99.9 percent) in Tanzania Mainland and 648 tonnes (0.1 percent) in Zanzibar.

3.3.1 Beans

Beans was the most important pulse crop produced in the country by 1,945,607 operators of whom 1,945,229 (99.9 percent) were in Tanzania Mainland and 378 (0.1 percent) were in Zanzibar. During the short rainy season, the number of operators planted beans was 861,290 (44.3 percent) while in the long rainy season it was 1,084,317 (55.7 percent).

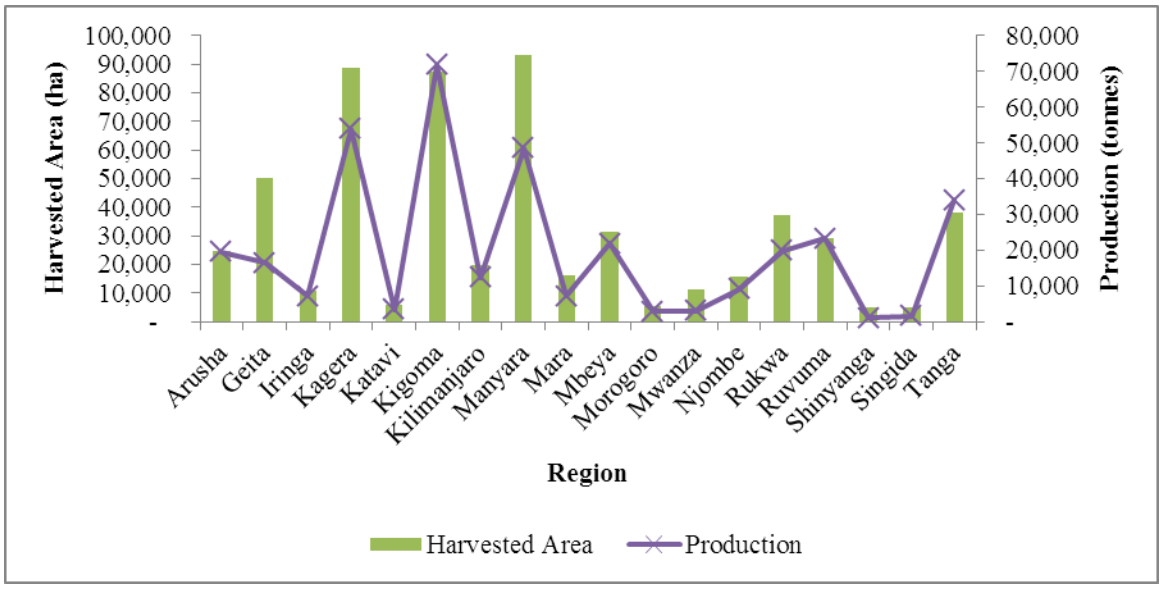
The area planted with beans was 732,531 ha of which 732,495 ha (99.9 percent) were in Tanzania Mainland and 37 ha (0.1 percent) in Zanzibar. In Tanzania Mainland, Kagera Region (124,142 ha; 16.9 percent) had the largest area planted with beans, followed by Kigoma (99,753 ha; 13.6 percent) and Manyara (97,567 ha; 13.3 percent). In Zanzibar, two regions

were growing beans, Kaskazini Unguja Region (30 ha; 72.0 percent) and Kusini Pemba (7 ha; 28.0 percent).

The harvested area for beans was 605,751 ha of which 605,722 ha (99.9 percent) were in Tanzania Mainland and 30 ha (less than one percent) in Zanzibar. In Tanzania Mainland, Manyara Region (93,030 ha; 15.4 percent) had the largest harvested area of beans, followed by Kagera (88,672 ha; 14.6 percent) and Kigoma (87,589 ha; 14.5 percent). In Zanzibar, only Kaskazini Unguja Region had harvested area of 30 ha for beans.

Total Production of beans in Tanzania was 378,893 tonnes of which 378,890 tonnes (99.9 percent) were in Tanzania Mainland and 3 tonnes (less than one percent) in Zanzibar. The average yield of beans was 0.6 tonnes/ha in Tanzania Mainland and 0.1 tonnes/ha in Zanzibar. In Tanzania Mainland, Kigoma Region had the highest beans, with 71,812 tonnes (19.0 percent) and yield of 0.8 tonnes/ha, followed by Kagera (58,068 tonnes; 15.3 percent) with a yield of 0.6 tonnes/ha and Manyara (52,647 tonnes; 12.8 percent) with yield of 0.6 tonnes/ha. In Zanzibar only 3 tonnes of beans were produced at an average yield of 0.1 tonnes/ha (Figure 3.14).

Figure 3.14: Harvested Area (ha) and Production (tonnes) of Beans by Region, Tanzania Mainland, 2016/17 AASS



3.3.2 Cowpeas

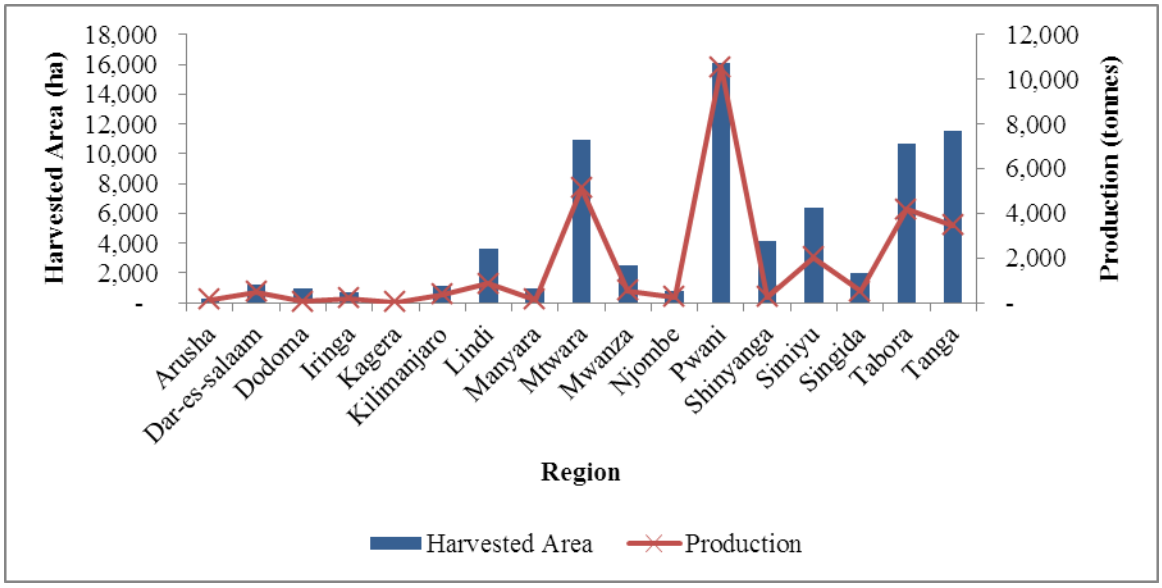
Cowpeas were produced by 412,727 operators of whom 392,833 (95.2 percent) were in Tanzania Mainland and 19,894 (4.8 percent) in Zanzibar. During the short rainy season, the number of operators planting cowpeas were 142,663 (34. 6 percent) while in the long rainy season they were 270,064 (65.4 percent).

The total area planted with cowpeas was 102,716 ha of which 98,982 ha (96.4 percent) were in Tanzania Mainland and 3,734 ha (3.6 percent) in Zanzibar. In Tanzania Mainland, Tanga Region (18,599 ha, 18.8 percent) had the largest area planted with cowpeas, followed by Pwani (17,007 ha; 17.2 percent) and Tabora (11,813 ha; 11.9 percent). In Zanzibar, Kaskazini Pemba Region (1,384 ha; 37.1 percent) was leading with largest area planted with cowpeas, followed by Kusini Pemba (1,355 ha; 36.3 percent).

The total area harvested for cowpeas was 85,283 ha of which 82,620 ha (96.9 percent) were in Tanzania Mainland and 2,662 ha (3.1 percent) in Zanzibar. In Tanzania Mainland, Pwani Region (16,140 ha; 19.5 percent) had the largest harvested area, followed by Tanga (11,516 ha; 13.9 percent) and Mtwara (10,929 ha; 13.2 percent). In Zanzibar, Kusini Pemba Region (1,080 ha; 37.0 percent) had the largest harvested area followed by Kaskazini Pemba (962 ha; 33.0 percent).

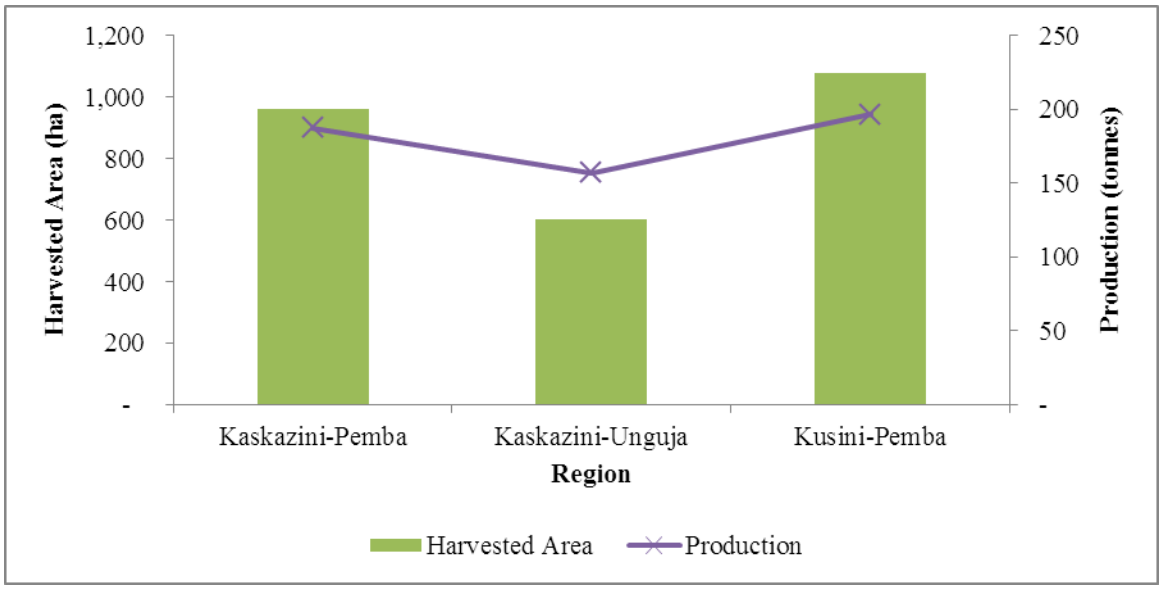
Total production of cowpeas in Tanzania was 32,105 tonnes of which 31,560 tonnes (98.3 percent) were in Tanzania Mainland and 625 tonnes (1.7 percent) in Zanzibar. The average yields was 0.4 tonnes/ha in Tanzania Mainland and 0.3 tonnes/ha in Zanzibar. In Tanzania Mainland, Pwani Region with 10,546 (33.4 percent) and a crop yield of 0.7 tonnes/ha had the highest cowpeas production, followed by Mtwara (5,114 tonnes; 16.2 percent) with a yield of 0.5 tonnes/ha and Tabora with 4,183 tonnes (13.3 percent) and a yield of 0.4 tonnes/ha (Figure 3.15(a)).

Figure 3.15(a): Harvested Area (ha) and Production (tonnes) of Cowpeas by Region, Tanzania Mainland, 2016/17 AASS



In Zanzibar, the harvested area of 2,662 ha resulting in the total production of 545 tonnes of cowpeas at an average yield of 0.2 tonnes/ha. The highest production of cowpeas was in Kusini Pemba Region (197 tonnes; 36.1 percent), followed by Kaskazini Pemba (188 tonnes; 34.4 percent).

Figure 3.15(b): Harvested Area (ha) and Production (tonnes) of Cowpeas by Region, Zanzibar, 2016/17 AASS



3.3.3 Green Grams

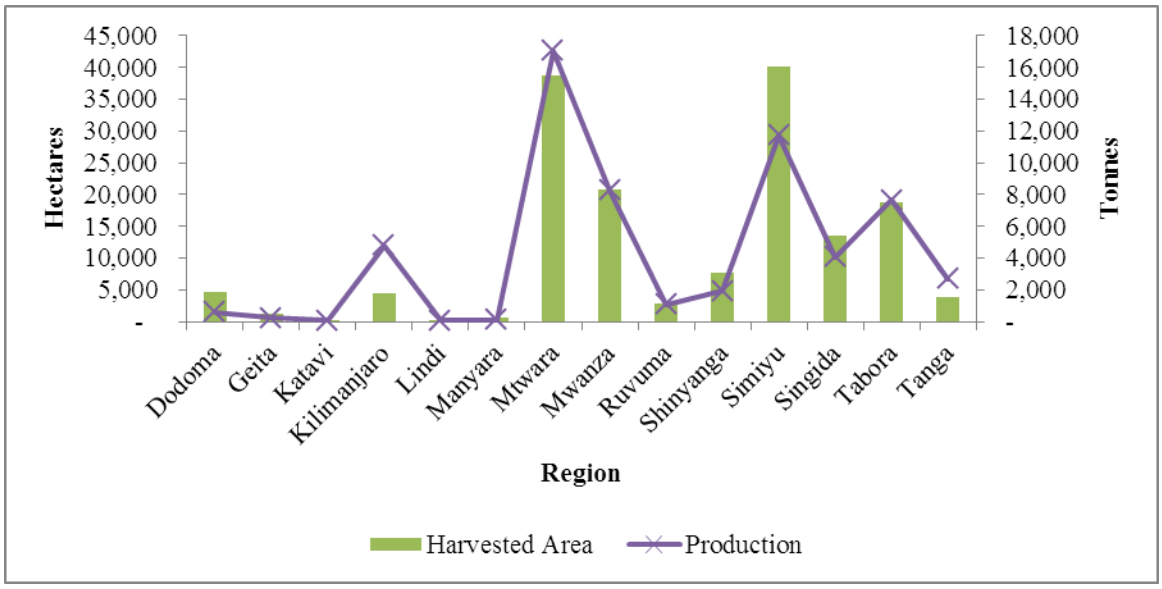
Green grams had a total of 517,704 operators of whom 511,985 (98.9 percent) were in Tanzania Mainland and 5,719 (1.1 percent) in Zanzibar. The number of operators were 223,175 (43.1 percent) in the shorty season and 294,529 (56.9 percent) in the long rainy season.

The total area planted with green grams was 217,473 ha of which 216,521 ha (99.6 percent) were in Tanzania Mainland and 952 ha (0.4 percent) in Zanzibar. In Mainland, Simiyu Region (46,819 ha; 23.2 percent) had the largest area planted, followed by Mtwara (40,885 ha; 20.3 percent) and Mwanza (36,294 ha; 18 percent).

The total harvested area for green gram was 177,465 ha of which 176,861 ha (99.7 percent) were in Tanzania Mainland and 604 ha (0.3 percent) in Zanzibar. In Tanzania Mainland, Simiyu Region (40,236 ha; 22.8 percent), had the largest harvested area, followed by Mtwara (38,764 ha; 22.0 percent) and Mwanza (20,786 ha; 11.8 percent). In Zanzibar, Kaskazini Unguja Region (522 ha; 86.4 percent) had the largest harvested area, followed by Kusini Pemba (72 ha; 11.9 percent).

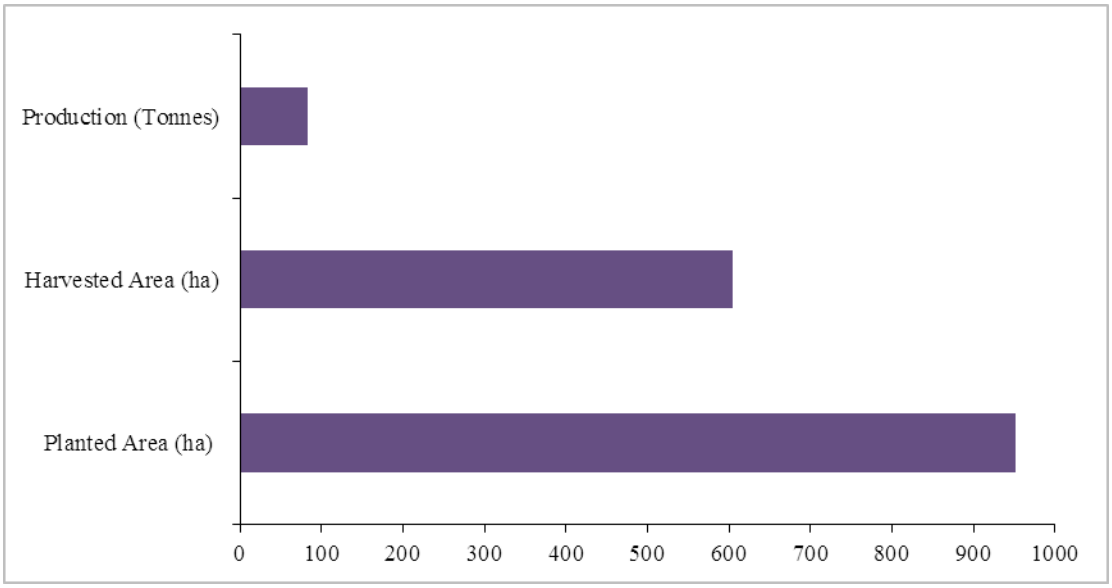
Total production of green gram in Tanzania was 73,073 tonnes of which 72,990 tonnes (99.9 percent) were in Tanzania Mainland and 83 tonnes (0.1 percent) in Zanzibar. The average yield of green grams was 0.4 tonnes/ha in Tanzania Mainland and 0.1 tonnes/ha in Zanzibar. In Tanzania Mainland, Mtwara Region with 17,054 tonnes (27.1 percent) and crop yield of 0.4 tonnes/ha had the highest green gram production, followed by Simiyu (11,738 tonnes; 18.6 percent) with a yield of 0.3 tonnes/ha and Mwanza (10,203 tonnes; 14.0 percent) with a yield of 0.4 tonnes/ha (Figure 3.16).

Figure 3.16: Harvested Area (ha) and Production (tonnes) for Green Gram by Region, Tanzania Mainland, 2016/17 AASS



In Zanzibar, the highest production of green grams was recorded in Kaskazini Unguja with 75 tonnes (90.1 percent), followed by Kusini Pemba (7 tonnes; 8 percent (Table 3.17).

Figure 3.17: Planted Area (ha), Harvested Area (ha) and Production (tonnes) of Green Gram, Zanzibar, 2016/17 AASS

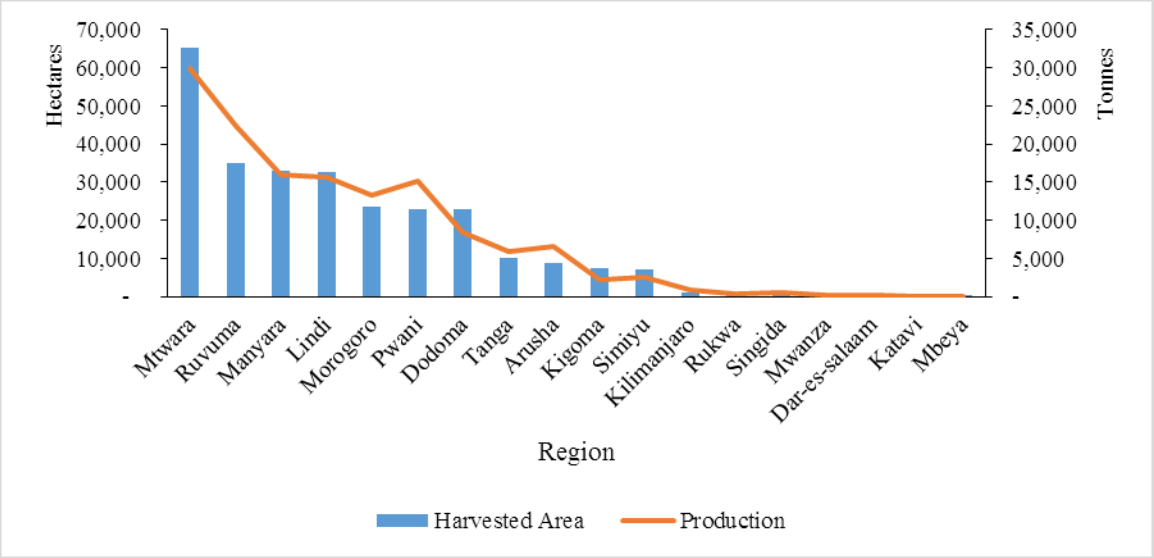


3.3.4 Pigeon Peas

Pigeon peas were grown in both Tanzania Mainland and Zanzibar. A total number of 727,484 operators were involved, of whom 718,400 (98.8 percent) were from Tanzania Mainland and 9,044 (1.2 percent) from Zanzibar. The area planted with pigeon peas was 335,397 ha of which 333,559 ha (99.5 percent) were in Tanzania Mainland and 1,838 ha (0.5 percent) in Zanzibar.

In Tanzania Mainland Mtwara Region (69,780 ha; 20.9 percent) had the largest area planted with pigeon peas, followed by Ruvuma (42,472 ha; 12.7 percent) and Manyara (41,971 ha; 12.6 percent). In Zanzibar, Kaskazini Unguja Region (1,565 ha; 84.9 percent) had the largest area planted with pigeon peas, followed by Kusini Unguja (209 ha; 11.3 percent)

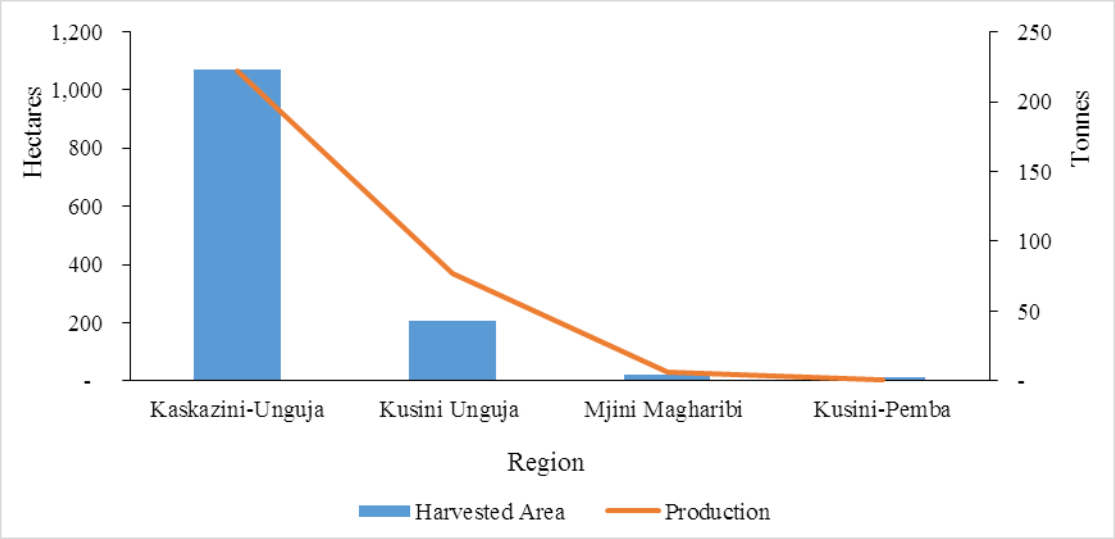
Figure 3.18(a): Harvested Area (ha) and Production (tonnes) of Pigeon Peas by Region, Tanzania Mainland, 2016/17 AASS



The total harvested area for pigeon peas was 273,488 ha, of which 272,173 ha (99.5 percent) were in Tanzania Mainland and 1,314 ha (0.5 percent) in Zanzibar. In Tanzania Mainland, Mtwara Region (65,113 ha; 23.9 percent) had the largest harvested area with pigeon peas, followed by Ruvuma (34,854 ha; 12.8 percent) and Manyara (33,100 ha; 12.7 percent) (Figure 3.18(a)).

In Zanzibar, Kaskazini Unguja was leading with 1,070 ha (81.4 percent), followed by Kusini Unguja (207 ha; 15.8 percent) (Figure 3.18(b)).

Figure 3.18(b): Harvested Area (ha) and Production (tonnes) of Pigeon Peas by Region, Zanzibar, 2016/17 AASS



The total production of pigeon peas was 140,672 tonnes of which 140,366 tonnes (99.8 percent) were from Mainland and 306 tonnes (0.2 percent) from Zanzibar. In Tanzania Mainland, Mtwara Region (30,006 tonnes; 21.3 percent) had the highest pigeon peas production, followed by Ruvuma with 22,384 tonnes (15.9 percent) and Manyara (15,925 tonnes, 11.3 percent).

3.3.5 Other Pulses

Other pulses were chick peas, bambaranuts and green peas, all these were grown during both short and long rainy seasons. A total of 244,890 operators were involved in cultivating other pulses of whom 244,516 (99.8 percent) were in Tanzania Mainland and 375 (0.2 percent) in Zanzibar. The total planted area for other pulses was 142,081 ha of which 142,049 ha (99.9 percent) were in Tanzania Mainland and 32 ha (0.1 percent) in Zanzibar.

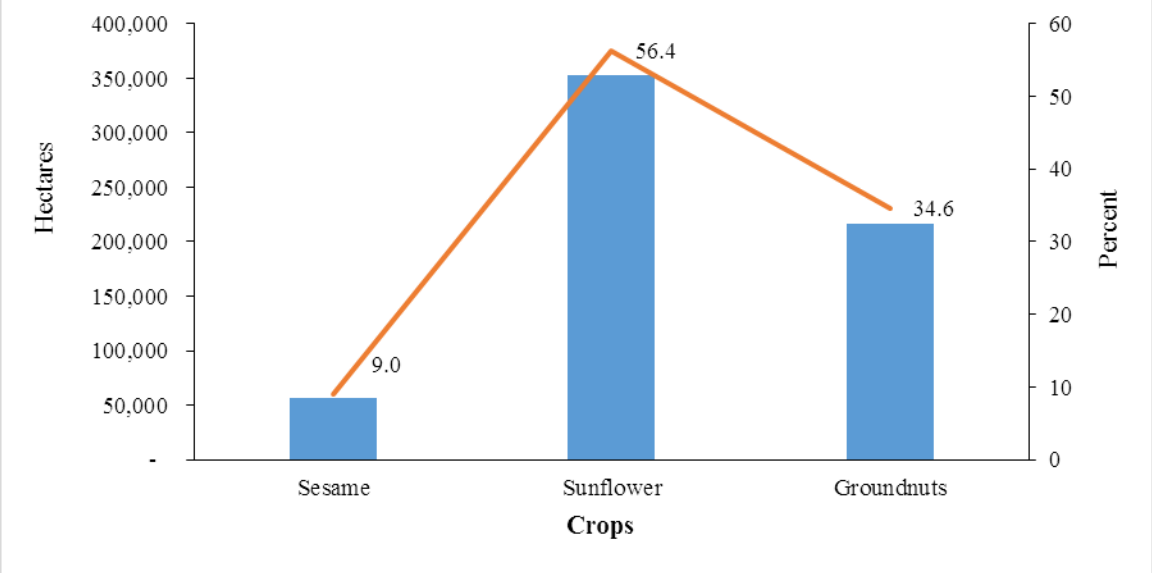
The total harvested area for other pulses was 122,743 ha of which 122,712 ha (99.9 percent) were in Tanzania Mainland and 31 ha (0.1 percent) in Zanzibar. Among other pulses, bambaranuts was the only crop which was planted in both Tanzania Mainland and Zanzibar.

3.4 Oil Seeds and Nuts Crops

Oil seeds and nuts which are grown in Tanzania include groundnuts, sunflower and sesame. Operators engaged in oil seeds and nuts production were 2,075,721 of whom 2,071,014 (99.8 percent) were in Tanzania Mainland and 4,707 (0.2 percent) in Zanzibar.

Planted area for oil seeds and nuts crops was 1,433,693 ha of which 1,433,088 ha (99.9 percent) were in Tanzania Mainland and 605 ha (0.1 percent) in Zanzibar. Total production of oils seeds and nuts was 626,187 tonnes of which 625915 tonnes (99.9 percent) were in Tanzania Mainland and 272 tonnes (0.1 percent) in Zanzibar. The production of sunflower (352,908 tonnes; 56.4 percent) was higher than other oil seeds and nuts, it followed by groundnuts (216,433 tonnes; 34.6 percent) and Sesame (56,846 tonnes; 9.1 percent) (Figure 3.19).

Figure 3.19: Production (tonnes, percent) of Oil Seeds and Nuts, Tanzania, 2016/17 AASS



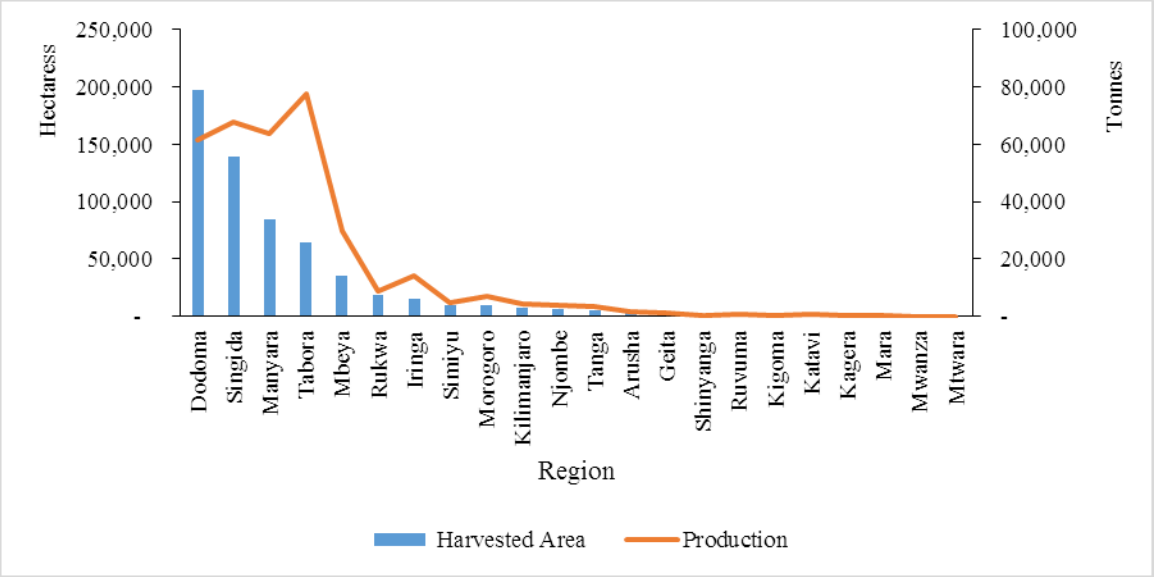
3.4.1 Sunflower

Sunflower ranks first in the production of oil seeds and nuts in Tanzania. Sunflower had a total of 661,809 operators of which 661,718 (99.9 percent) were in Tanzania Mainland and 91 (0.1 percent) in Zanzibar. In Tanzania, during the short rainy season, the number of operators sunflower production was 79,774 (12. 1 percent) while in the long rainy season they were 582,036 (87.9 percent).

The total planted area for sunflower in Tanzania was 706,926 ha of which 706,913 ha (99.9 percent) were in Tanzania Mainland and 13 ha (less than 0.1 percent) in Zanzibar. In Tanzania Mainland, Dodoma (227,901 ha; 33.3 percent) had the largest area planted, followed by Singida (156,134 ha; 22.8 percent) and Tabora (95,253 ha; 13.9 percent).

The total area of sunflower harvested in Tanzania was 605,859 ha of which 605,853 ha (99.9 percent) were in Tanzania Mainland and 6 ha (0.1 percent) in Zanzibar. Total production of sunflower in Tanzania was 352,908 tonnes of which 352,902 tonnes (99.9 percent) were in Tanzania Mainland and 6 tonnes (0.1 percent) for Zanzibar. The both average yield of sunflower was 1.0 tonnes/ha in both Tanzania Mainland and Zanzibar. In Tanzania Mainland, Tabora Region with 77,826 tonnes (22.1 percent), and yield 1.7tonnes/ha had the highest sunflower production, followed by Singida with 67,682 tonnes (19.2 percent) and yield of 0.5 tonnes/ha and Manyara with 63,612 tonnes (18.0 percent) and yield of 0.7 tonnes/ha (Figure 3.20).

Figure 3.20: Harvested Area (ha) and Production (tonnes) of Sunflower by Region, Mainland, 2016/17 AASS



3.4.2 Groundnuts

Groundnuts ranks second in oil seeds and nuts production in Tanzania. It had a total of 1,131,217 operators of whom 1,126,601 (99.6 percent) were in Tanzania Mainland and 4,616 (0.4 percent) in Zanzibar. In Tanzania, during short rainy season, the number of operators

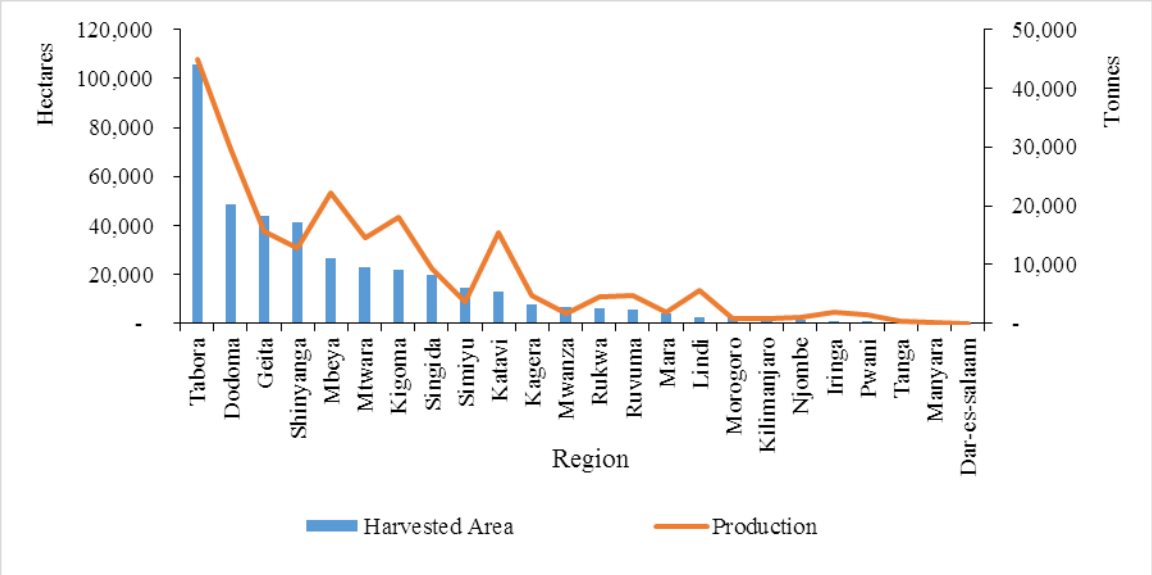
planting groundnuts were 538,623 (47.6 percent) while in the long rainy season they were 592,594 (52.4 percent).

The total planted area in Tanzania was 494,113 ha of which 493,522 ha (99.9 percent) were in Mainland and 591 ha (less than 0.1 percent) in Zanzibar. In Tanzania Mainland, Tabora Region (147,618 ha; 29.8 percent), had the largest area planted with groundnuts, followed by Dodoma (53,067 ha; 10.8 percent) and Geita (52,655 ha; 10.7 percent). In Zanzibar, the total planted area with groundnuts was 591 ha (0.1 percent).

The total harvested area for groundnuts in Tanzania was 398,438 ha of which 397,977 ha (99.9 percent) were in Tanzania Mainland and 462 ha (0.1 percent) in Zanzibar. The total production of groundnuts in Tanzania was 216,433 tonnes of which 216,167 tonnes (99.9 percent) were in Tanzania Mainland and 266 tonnes (0.1 percent) in Zanzibar.

In Tanzania Mainland, Tabora Region (44,811 tonnes; 20.7 percent) had the highest groundnuts production, followed by Dodoma (29,715 tonnes; 13.7 percent) and Mbeya (22,163 tonnes; 10.2 percent) (Figure 3.21).

Figure 3.21: Harvested area (ha) and Production (tonnes) of Groundnuts by Region, Mainland, 2016/17 AASS



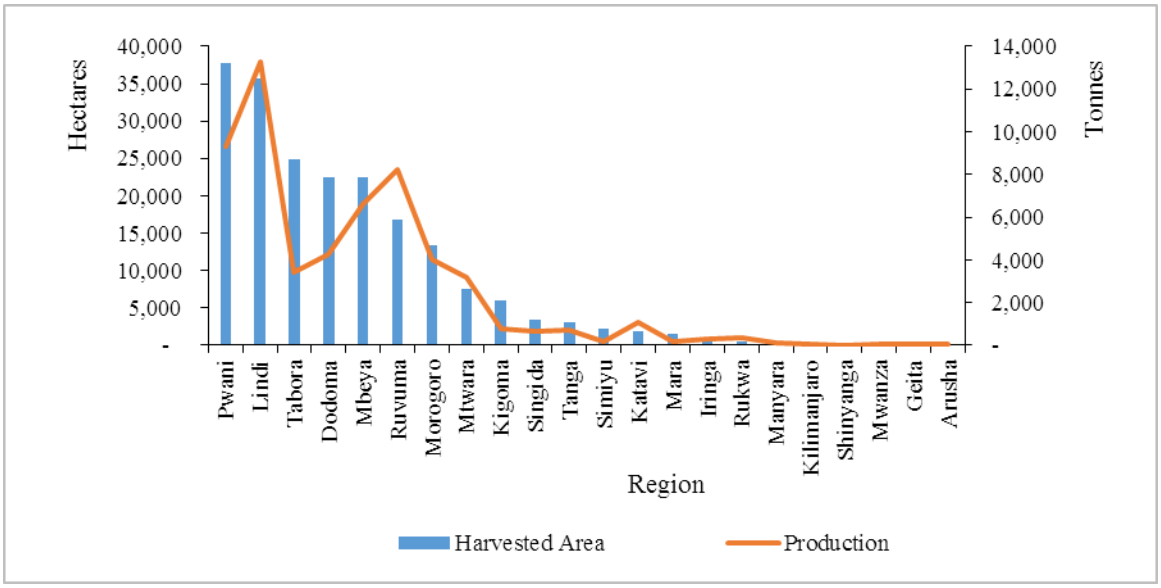
3.4.3 Sesame

Sesame was grown only in Tanzania Mainland and it ranks third in oil seeds and nuts production. It had a total number of 282,695 operators. In short rainy season, the number of operators planting sesame was 38,269 (13.5 percent) and 244,425 (86.5 percent) in the long rainy season.

The total planted area of sesame was 232,653 ha of which 49,848 ha (21.4 percent) were planted during the short rainy season and 182,805 ha (78.6 percent) in the long rainy season. Lindi Region (44,531ha; 19.1 percent), had the largest area planted with sesame, followed by Pwani (40,874 ha; 17.6 percent) and Dodoma (34,473 ha; 14.8 percent).

The total harvested area for sesame was 201,169 ha of which 46,350 ha (20.0 percent) were harvested in short the rainy season and 154,819 ha (80.0 percent) in the long rainy season. Total production of sesame was 56,846 tonnes of which 4,774 tonnes (8.4 percent) were produced in the short rainy season and 52,072 tonnes (91.6 percent) in long the rainy season. Lindi Region recorded the highest sesame production of with 13,300 tonnes (23.4 percent), followed by Pwani (9,314 tonnes; 16.4 percent) and Ruvuma (8,198 tonnes; 14.4 percent) (Figure 3.22).

Figure 3.22: Harvested Area (ha) and Production (tonnes) of Sesame by Region, Tanzania Mainland, 2016/17 AASS.



3.5 Fruits and Vegetables

The fruits and vegetables that are presented in this section are cabbage, amaranth, pumpkin, cucumber, eggplant, watermelon, okra and tomatoes. The number of operators growing various fruits and vegetables was 423,906 of whom 373,355 (88.1 percent) were in Tanzania Mainland and 50,551 (11.9 percent) in Zanzibar. The total planted area was 124,361 ha of which 114,488 ha (92.1 percent) were in Mainland and 9,873 ha (7.9 percent) in Zanzibar. The total harvested area of fruits and vegetables was 107,888 ha of which 99,226ha (92.0 percent) were in Tanzania Mainland and 8,663 ha (8.0 percent) in Zanzibar. The annual total production of various fruits and vegetables was 419,006 tonnes of which 382,594 tonnes (91.3 percent) were in Tanzania Mainland and 36,412 tonnes in Zanzibar (8.7 percent).

3.5.1 Tomato

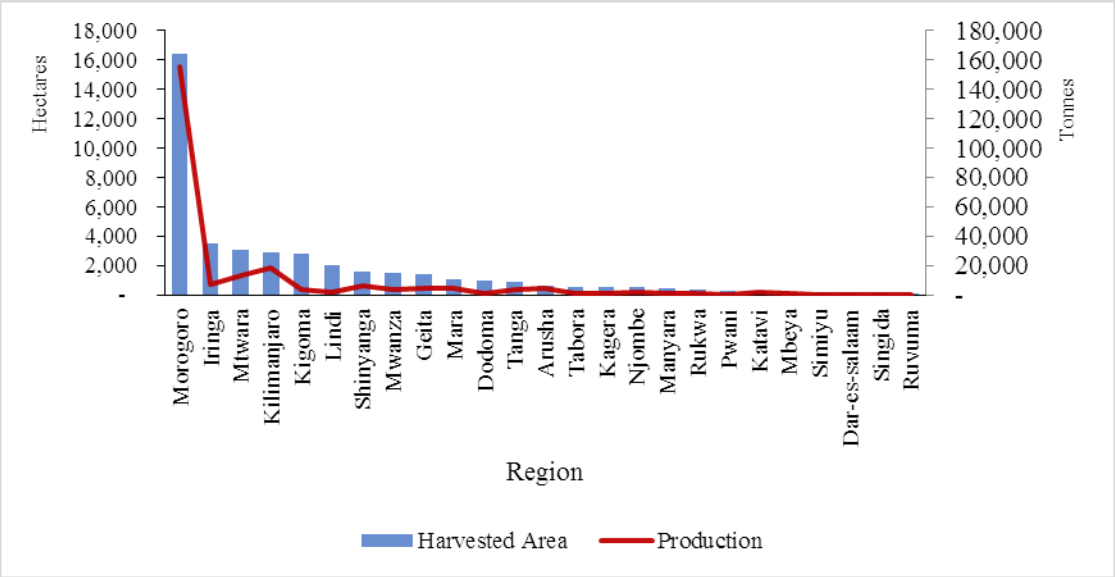
Tomato was planted by 184,567 operators of whom 163,916 (88.8 percent) were in Tanzania Mainland and 20,651 (11.2 percent) in Zanzibar. During the short rainy season, the number of operators planting tomato was 90,275 (48.9 percent) while in the long rainy season they were 94,293 (51.1 percent).

The total planted area for tomatoes in Tanzania was 54,520 ha of which 50,645 ha (92.9 percent) were in Tanzania Mainland and 3,876 ha (7.1 percent) in Zanzibar. In Tanzania Mainland, Morogoro Region (19,195 ha; 37.9 percent) had the largest area planted of tomato, followed by Iringa (3,890 ha; 7.7 percent) and Kilimanjaro (3,890 ha; 7.7 percent). In Zanzibar, Kaskazini Unguja Region with 1,423 ha (36.7 percent) had the largest area planted with tomato, followed by Kusini Unguja (890 ha; 23.0 percent).

The total harvested area for tomato in Tanzania was 45,604 ha of which 42,318 ha (92.8 percent) were in Mainland and 3,286 ha (7.2 percent) in Zanzibar. Total production of tomato in Tanzania was 247,135 tonnes of which 237,465 tonnes (96.1 percent) were in Tanzania Mainland and 9,670 tonnes (3.9 percent) in Zanzibar.

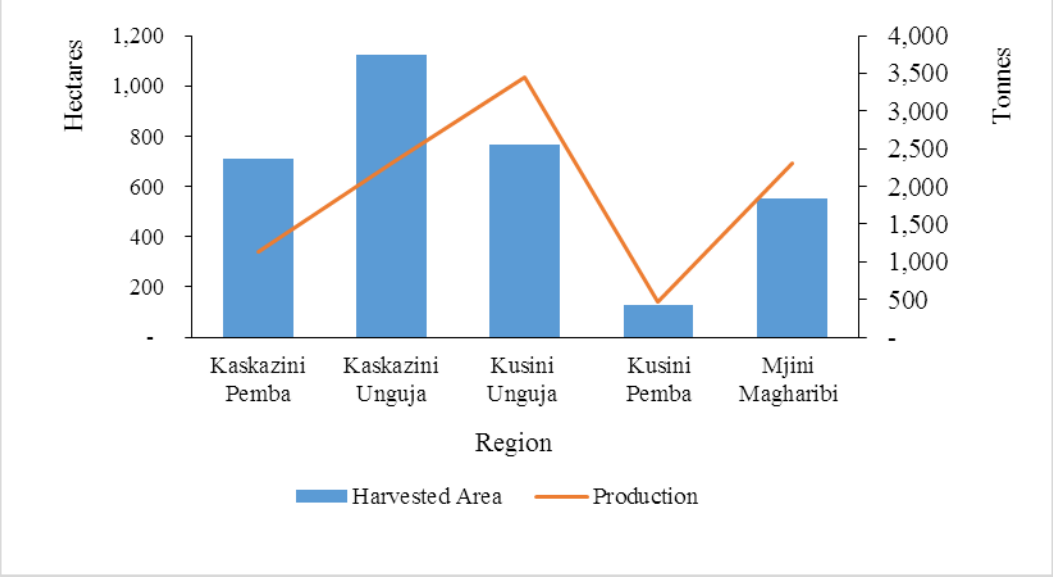
In Mainland, Morogoro Region with 155,745 tonnes (65.6 percent) had the highest tomato production, followed by Kilimanjaro (18,630.5 tonnes; 7.8 percent) and Mtwara (13,336 tonnes; 5.6 percent) (Figure 3.23(a)).

Figure 3.23(a): Harvested Area (ha) and Production (tonnes) of Tomato by Region, Tanzania Mainland, AASS 2016/17



In Zanzibar, the total planted area with tomato was 3,876 ha of which 3,286 ha were harvested resulting in a total production of 9,670 tonnes. Kusini Unguja Region with 3,444 tonnes, followed by Kaskazini Unguja (2,311 tonnes) had the highest production, followed by Mjini Magharibi (2,308 tonnes). (Figure 3.23(b)).

Figure 3.23(b): Harvested Area (ha) and Production (tonnes) of Tomato by Region, Zanzibar, 2016/17 AASS



3.5.2 Cabbage

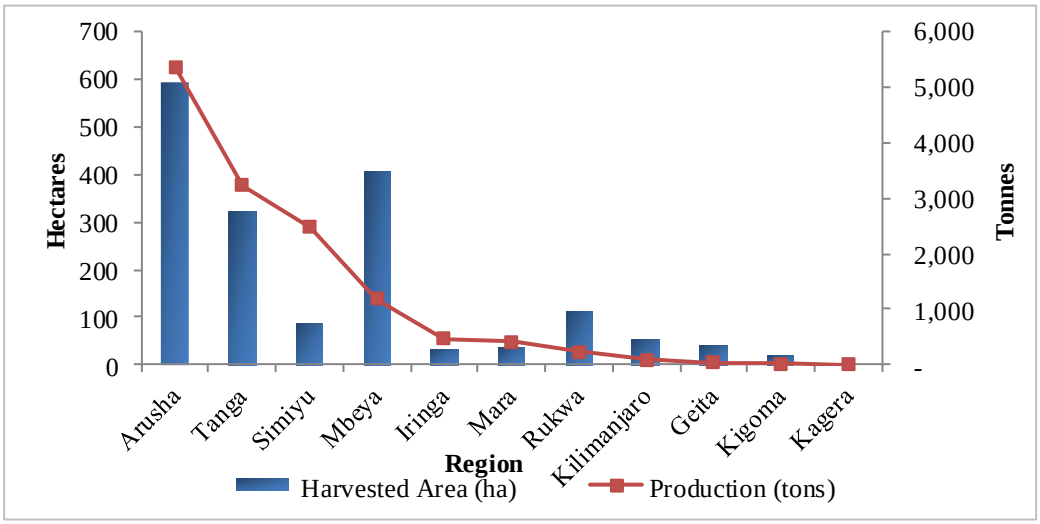
Cabbage was planted by 18,886 operators of whom 18,760 (99.3 percent) were in Tanzania Mainland and 126 (0.7 percent) in Zanzibar. During the short rainy season, the number of operators planting cabbage were 9,632 (51.0 percent) while in the long rainy season they were. 9,254 (49.0 percent).

The total planted area for Tanzania was 3,580 ha of which 3,565 ha (99.6 percent) were in Tanzania Mainland and 15 ha (0.4 percent) in Zanzibar. In Mainland, Arusha Region (562 ha; 16.6 percent) had the largest planted area of cabbage with followed by Mbeya (403 ha; 11.1 percent) and Tanga (321 ha; 8.9 percent). In Zanzibar, the crop was only cultivated in two regions of Kusini Unguja and Mjini Magharibi.

The total harvested area for cabbage in Tanzania was 2,013 ha of which 2,006 ha (99.7 percent) were in Mainland and 7 ha (0.3 percent) in Zanzibar. Total production of cabbage in Tanzania was 18,060 tonnes of which 18,034 tonnes (99.9 percent) were in Tanzania Mainland and 26 tonnes (0.1 percent) in Zanzibar.

In Tanzania Mainland, Rukwa Region with 5,534 tonnes (30.7 percent) had the highest cabbage production, followed by Arusha (5,362 tonnes; 29.7 percent) and Tanga (3,232 tonnes; 17.9 percent) (Figure 3.24).

Figure 3.24: Harvested Area (ha) and Production (tonnes) of Cabbage by Region, Tanzania Mainland, 2016/17 AASS



In Zanzibar, the total area planted with cabbage was only 15 ha of which 7 ha were harvested resulting in a total production of 26 tonnes of cabbage with an average yield of 3.9 tonnes/ha which obtained from two regions of Mjini Magharibi and Kusini Unguja.

3.5.3 Amaranth

Number of operators engaged in amaranth production was 90,088 of which 82,535 (91.6 percent) were in Tanzania Mainland and 7,554 (8.4 percent) in Zanzibar. During the short rainy season, the number of operators planted amaranth were 46,781 (51.9 percent) while in the long rainy season they were 43,308 (48.1 percent).

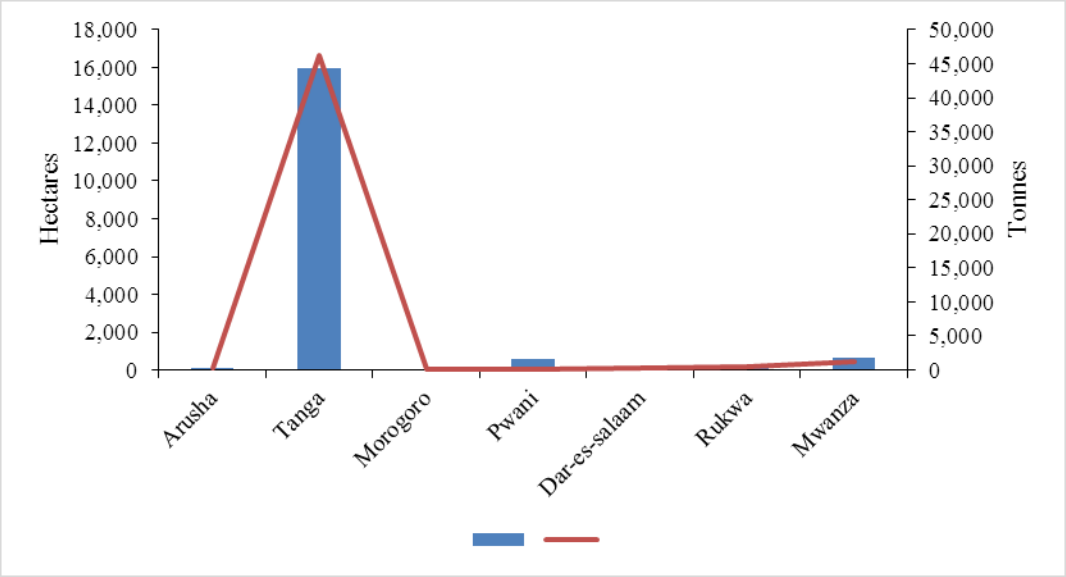
The total planted area for amaranth in Tanzania was 23,573 ha of which 22,776 ha (96.6 percent) were in Tanzania Mainland and 798 ha (3.4 percent) in Zanzibar. In Tanzania Mainland, Tanga Region (15,982 ha; 70.2 percent) had the largest area planted with amaranth, followed by Mwanza (773 ha; 3.2 percent) and Pwani (603 ha; 2.6 percent).

In Zanzibar, Kaskazini Unguja Region with 279 ha (35.0 percent) had the largest area planted with amaranth, followed by Kusini Pemba (260 ha; 32.5 percent).

The total harvested area for amaranth in Tanzania was 23,228 ha of which 22,449 ha (96.6 percent) were in Tanzania Mainland and 779 ha (3.4 percent) in Zanzibar. Total production of amaranth was 51,605 tonnes of which 50,841 tonnes (98.5 percent) were in Mainland and 764 tonnes (1.5 percent) in Zanzibar.

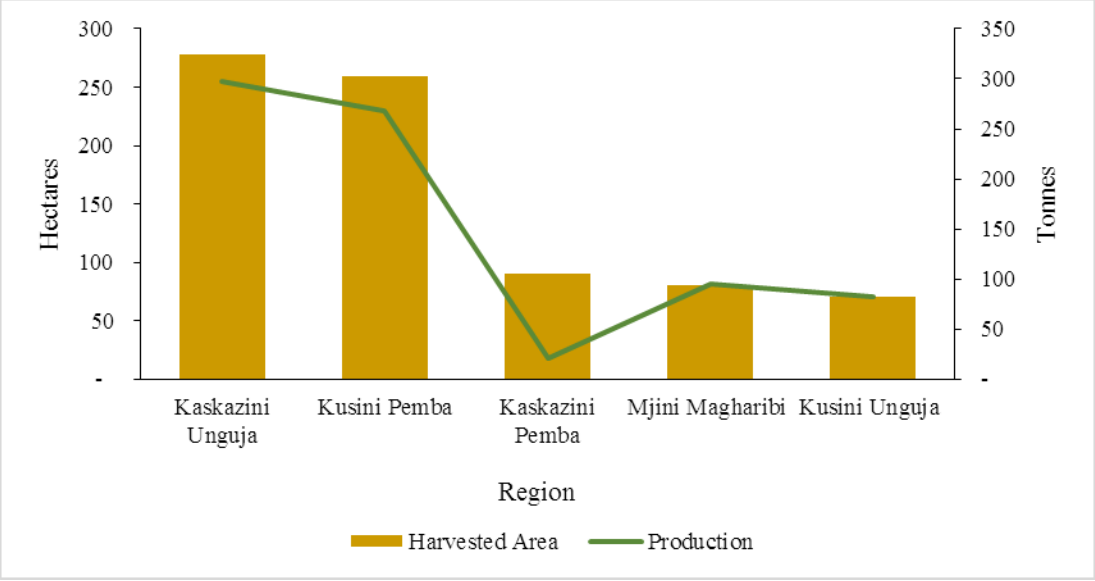
In Tanzania Mainland, Tanga Region with 46,150 tonnes (90.8 percent) had the highest amaranth production; all other regions produced a total of 4,691 tonnes which is only 9.2 percent of the total production. (Figure 3.25(a))

Figure: 3.25 (a): Harvested Area (ha) and Production (tonnes) of Amaranth by Region, Mainland, 2016/17 AASS



In Zanzibar, the total area planted for amaranths was 798 ha of which 779 ha was harvested resulting in a total production of 764 tonnes of amaranths. The highest production of amaranth was in Kaskazini Unguja with 297 tonnes, followed by Kusini Pemba (268 tonnes) (Figure 3.25 (b)).

Figure 3.25 (b): Harvested Area (ha) and Production (tonnes) of Amaranth by Region, Zanzibar, 2016/17 AASS



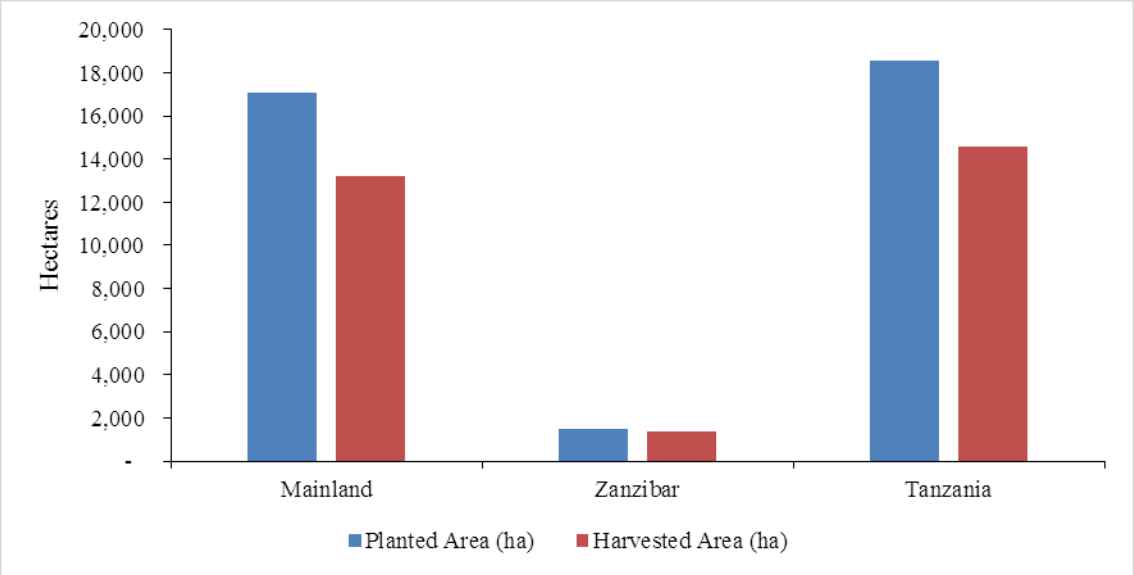
3.5.4 Watermelon

Operators engaged in watermelon production were 32,203 of whom 28,446 (88.3 percent) were in Tanzania Mainland and 3,758 (11.7 percent) in Zanzibar. During the short rainy season, operators planting watermelon were 20,948 (65.0 percent) while in the long rainy season were11, 255 (35.0 percent).

The total area planted with watermelon in Tanzania was 18,556 ha of which 17,074 ha (92.0 percent) were in Tanzania Mainland and 1,482 ha (8.0 percent) in Zanzibar.

The total harvested area for watermelon in Tanzania was 14,585 ha of which 13,214 ha (90.6 percent) were in Mainland and 1,372 ha (9.4 percent) in Zanzibar. Total production of watermelon in Tanzania was 65,100 tonnes of which 49,342 tonnes (75.8 percent) were in Tanzania Mainland and 17,686 tonnes (24.2 percent) in Zanzibar. In Zanzibar, the total area planted with watermelon was 1,482 ha of which 1,372 ha were harvested, resulting in a total production of 17,686 tonnes of watermelon (Figure 3.26).

Figure 3.26: Harvested Area (ha) and Production (tonnes) of Watermelon, Tanzania Mainland and Zanzibar, 2016/17 AASS



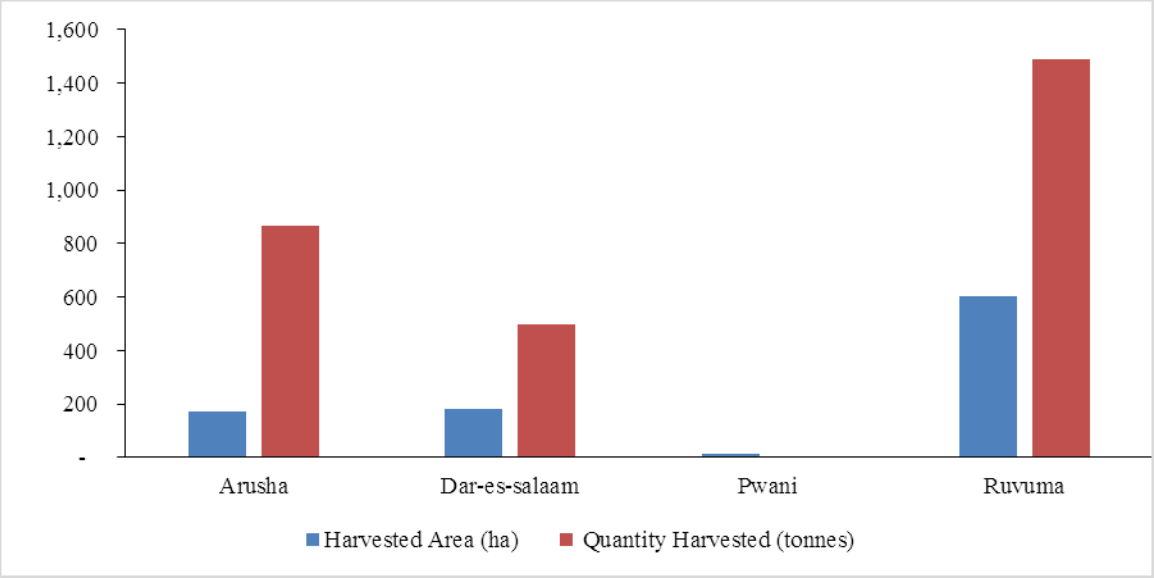
3.5.5 Cucumber

Cucumber had 6,780 operators of whom 3,680 (54.3 percent) were in Tanzania Mainland and 3,100 (45.7 percent) in Zanzibar. During the short rainy season, the number of operators planting cucumber was 2,230 (32.9 percent) while in the long rainy season they were 4,550 (67.1 percent).

The total planted area for cucumber in Tanzania was 1,948 ha of which 1,242 ha (63.8 percent) were in Tanzania Mainland and 706 ha (36.2 percent) in Zanzibar. In Tanzania Mainland, Ruvuma Region with 602 ha (48.5 percent) had the largest planted area of cucumber, followed by Arusha (231 ha; 18.6 percent) and Dar es Salaam (222 ha; 17.9 percent). In Zanzibar, Kusini Unguja Region with 285 ha (40.4 percent) led the area planted with cucumber, followed by Kaskazini Unguja (260 ha; 36.8 percent).

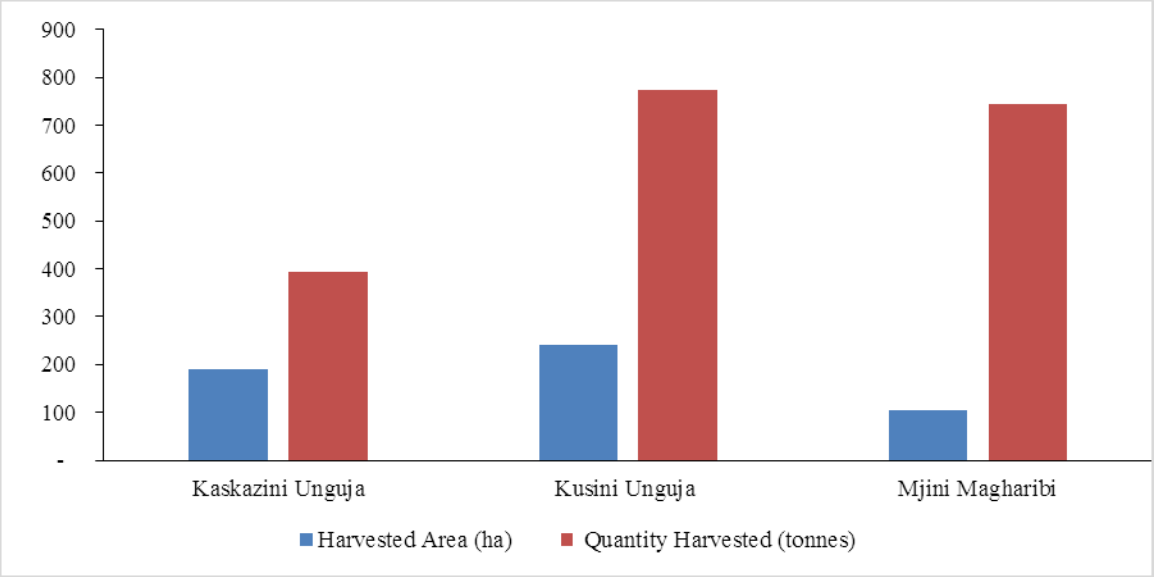
The total harvested area for cucumber in Tanzania was 1,594 ha of which 1,034 ha (64.9 percent) were in Tanzania Mainland and 560 ha (35.1 percent) in Zanzibar. Total production of cucumber was 5,197 tonnes of which 3,182 tonnes (61.2 percent) were in Tanzania Mainland and 2,015 tonnes (38.8 percent) in Zanzibar. In Tanzania Mainland, Arusha Region (867 tonnes; 27.3 percent) had the highest cucumber production, followed by Dar es Salaam (497 tonnes; 15.6 percent). (Figure 3.27(a)).

Figure 3.27(a): Harvested Area (ha) and Production (tonnes) of Cucumber by Region, Mainland, 2016/17 AASS



In Zanzibar, the total area planted with cucumber was 706 ha of which 560 ha were harvested resulting in a total production of 2,015 tonnes. The highest production of cucumber was in Kusini Unguja with 773 tonnes, followed by Mjini Magharibi (745 tonnes). (Figure 3.27(b)).

Figure 3.27(b): Harvested Area (ha) and Production (tonnes) of Cucumber by Region, Zanzibar, 2016/17 AASS



3.5.6 Pumpkins

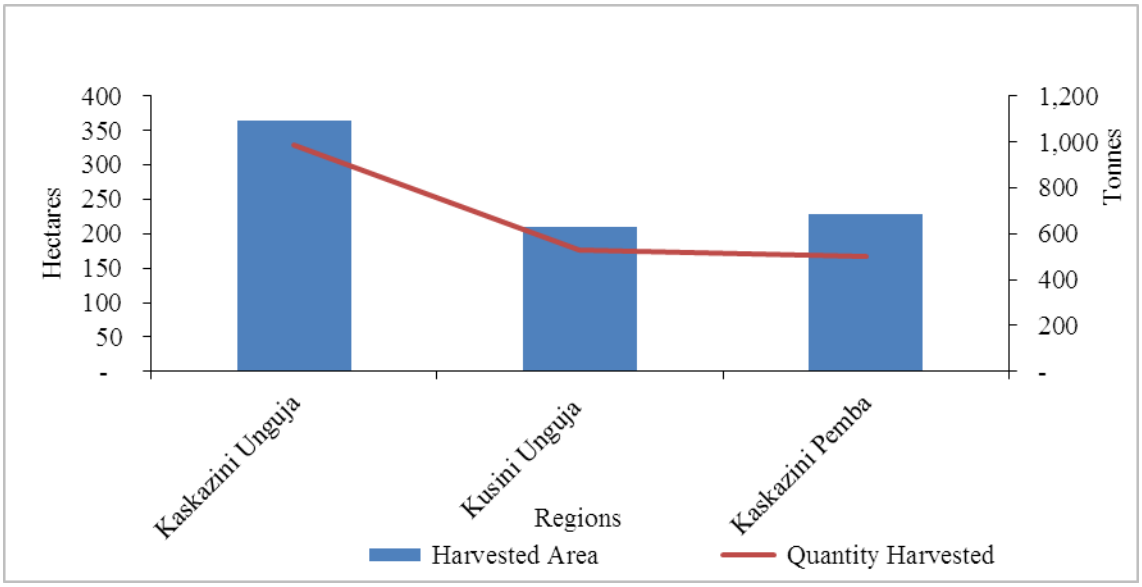
The number of operators engaged in Pumpkins production was 33,020 of whom 28,079 (86.8 percent) were in Tanzania Mainland and 4,941 (15.0 percent) in Zanzibar. The number of operators involved in growing pumpkin during the short rainy season was 3,445 (10.4 percent) and 29,575 (89.6 percent) in the long rainy season.

The total area planted with pumpkins in Tanzania was 7,411 ha of which 6,430 ha (86.8 percent) were in Tanzania Mainland and 980 ha (13.2 percent) in Zanzibar.

The total harvested area for pumpkins in Tanzania was 6,677 ha of which 5,832 ha (87.4 percent) were in Tanzania Mainland and 845 ha (12.6 percent) in Zanzibar. Total production of pumpkins in Tanzania was 5,548 tonnes of which 3,405tonnes (61.4 percent) were in Tanzania Mainland and 2,143 tonnes (38.6 percent) in Zanzibar.

In Zanzibar, the total area planted with pumpkins was 980 ha of which 845 ha were harvested resulting in a total production of 2,143 tonnes. The highest production of pumpkins was in Kaskazini Unguja with 990 tonnes, followed by Kusini Unguja (527 tonnes). (Figure 3.28).

Figure 3.28: Harvested Area (ha) and Production (tonnes) of Pumpkins by Region, Zanzibar, 2016/17 AASS

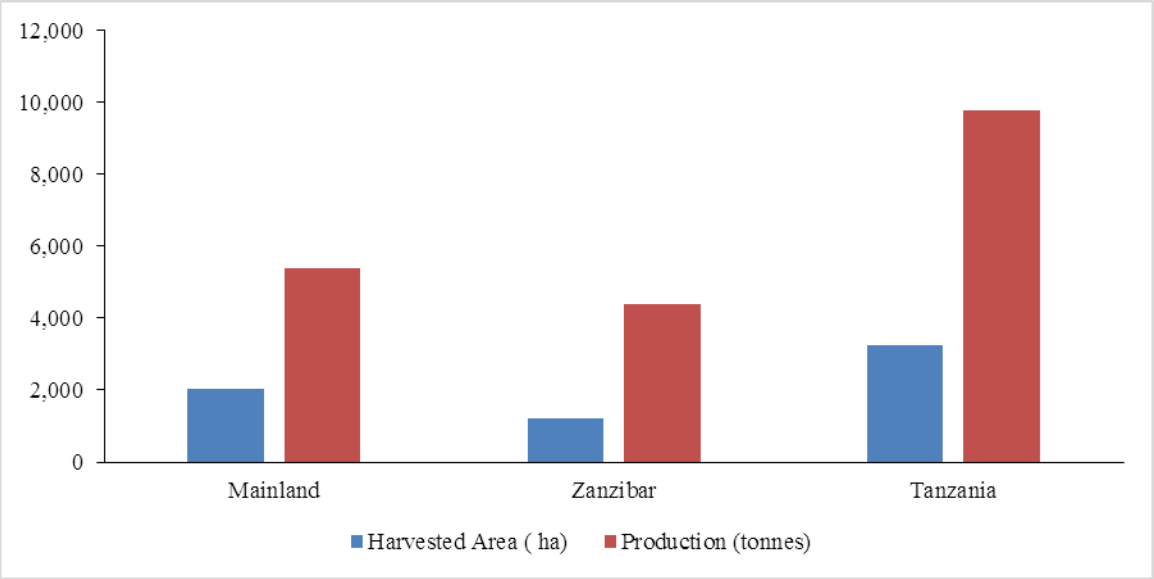


3.5.7 Egg Plant

Egg plant had 11,421 operators of whom 5,680 (49.7 percent) were in Tanzania Mainland and 5,741 (50.3 percent) in Zanzibar. The total area planted for egg plant in Tanzania was 3,408 ha of which 2,041 ha (59.9 percent) were in Tanzania Mainland and 1,367 ha (40.1 percent) in Zanzibar.

The total harvested area for egg plant was 3,251 ha of which 2,041 ha (62.8 percent) were in Tanzania Mainland and 1,210 ha (37.2 percent) in Zanzibar. Total production of eggplant in was 9,783 tonnes of which 5,408 tonnes (55.3 percent) were in Tanzania Mainland and 4,375 tonnes (44.7 percent) in Zanzibar (Figure 3.29).

Figure 3.29: Harvested Area and Production (tonnes) of Eggplant by Region, Tanzania, 2016/17 AASS

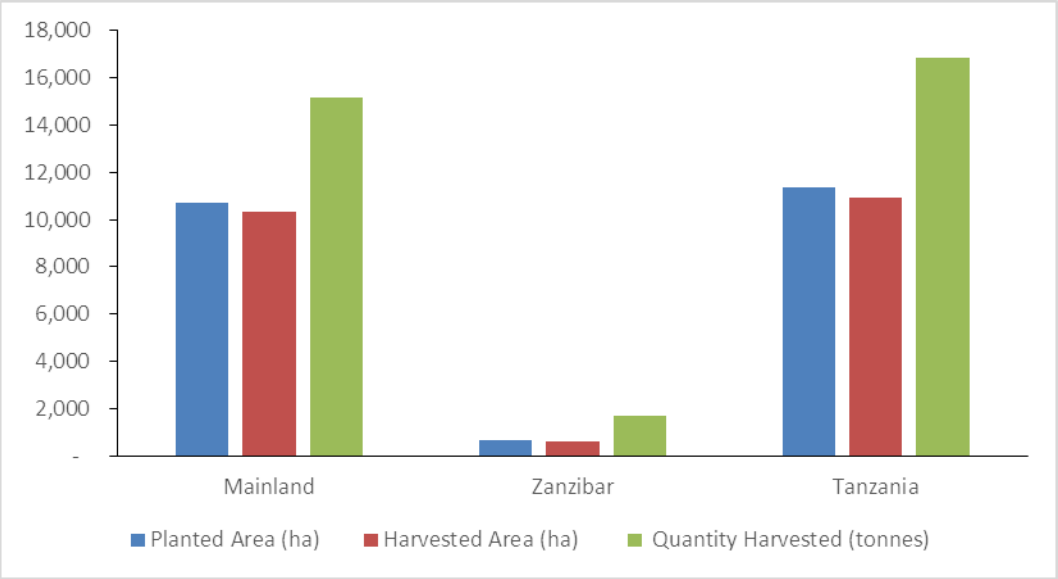


3.5.8 Okra

Operators engaged in okra production were 46,939 of whom 42,259 (90.0 percent) were in Tanzania Mainland and 4,680 (10.0 percent) in Zanzibar. During the short rainy 14,599 Operators (31.1 percent) planted okra while in the long rainy season they were 32,340 operators (68.9 percent).

The total area planted with okra in Tanzania was 11,366 ha of which 10,716 ha (94.3 percent) were in Tanzania Mainland and 650 ha (5.7 percent) in Zanzibar. The total harvested area for okra in Tanzania was 10,936 ha of which 10,331 ha (97.9 percent) were in Tanzania Mainland and 605 ha (2.1 percent) in Zanzibar. Total production of okra in Tanzania was 16,844 tonnes of which 15,183 tonnes (90 percent) were in Tanzania Mainland and 1,661 tonnes (10 percent) in Zanzibar (Figure 3.30).

Figure 3.30: Harvested Area (ha) and Production (tonnes) of Okra, 2016/17 AASS



In Zanzibar, the total area planted with okra was 650 ha of which 605 ha were harvested resulting in a total production of 1,239 tonnes at an average yield of 2.0 tonnes/ha.

3.6 Fiber Crops

Fiber crops are plants that are grown for the production of fibers or fibrous materials with different uses such as paper making, cloth and rope making. This survey identified two fiber crops which are cotton and sisal.

3.6.1 Cotton

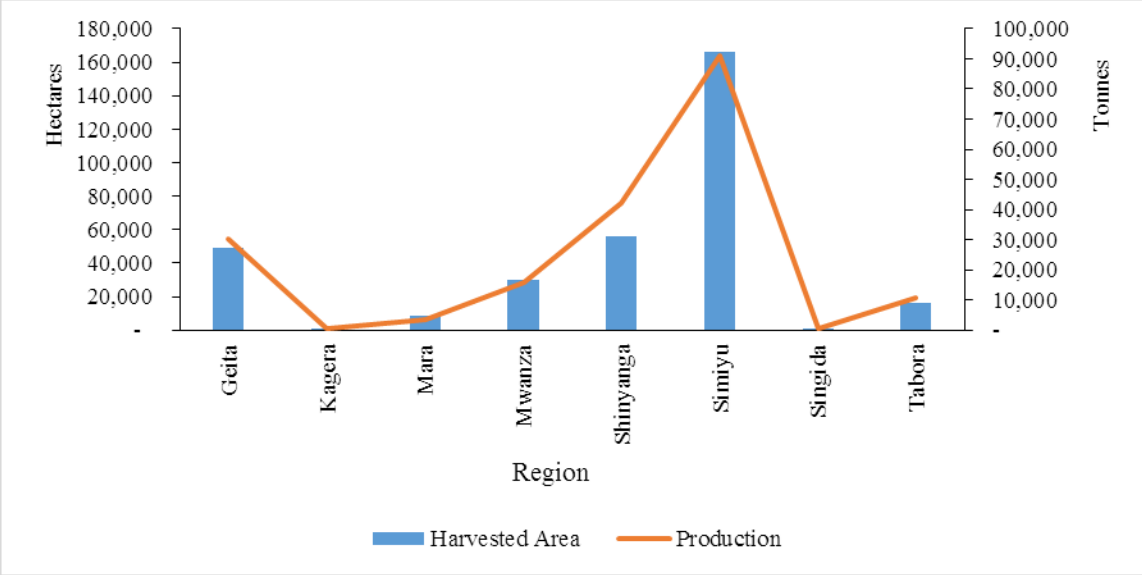
Cotton is among the major cash crops in Tanzania and was grown in Tanzania Mainland. A total of 381,021 operators were engaged in growing cotton in 2016/17 agricultural year. The total area planted with cotton was 397,491 ha where by 318,183 ha were planted during the short rainy season and 79,309 ha in the long rainy season. Simiyu Region (179,728 ha; 45.2 percent) had the largest area planted with cotton, followed by Shinyanga (77,540 ha; 19.5 percent) and Geita (57,918 ha; 14.6 percent).

A total of 328,751 ha (82.7 percent of the total planted area with cotton) was harvested. Due to various reasons, 27.3 percent of the planted area was not harvested. These reasons include, drought, rain/flood damage, theft and animal damage. Simiyu Region with 166,512 ha (50.6

percent) had the largest area of cotton harvested, followed by Shinyanga (56,418 ha; 17.2 percent) and Geita (49,374 ha; 15.0 percent).

The total production for cotton was 194,626 tonnes. Simiyu Region (91,190 tonnes; 46.9 percent) had the highest production of cotton, followed by Shinyanga (42,015 tonnes; 21.6 percent) and Geita (30,460 tonnes; 15.7 percent) (Figure 3.31).

Figure 3.31: Harvested Area (ha) and Production (tonnes) of Cotton by Region, Tanzania, 2016/17 AASS



3.6.2 Sisal

Sisal was grown in only six regions of Tanzania Mainland. A total of 5,475 operators were engaged in growing sisal with a total area of 81,197 ha. A total of 71,585 ha (88.2 percent of the total planted area with sisal) was harvested, while 11.8 percent of the planted area was not harvested due various reasons resulted into a total production of 63,824 tonnes.

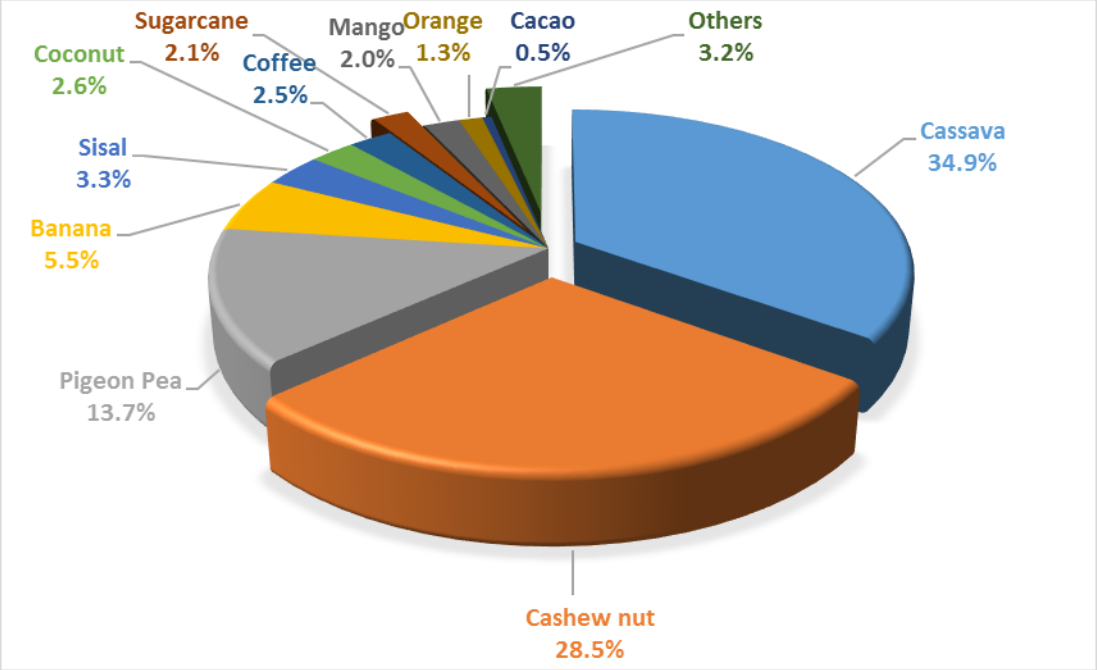
3.7 Permanent Crops

Perennial or permanent crops refer to crops that normally take over a year to mature and/or once matured can be harvested for a number of years.

In Tanzania Mainland the total area planted with permanent crops was 2,442,681**.** Cassava (853,015 ha; 34.9 percent) had the largest share, followed by cashew nuts (695,683 ha; 28.5 percent), pigeon pea (333,559 ha; 13.7 percent), banana (134,792 ha; 5.5 percent), sisal (81,197 ha; 3.3 percent), coconut (63,373 ha; 2.6 percent), coffee (60,370 ha; 2.5 percent), sugar cane (50,206 ha; 2.1 percent),mangoes (48,657 ha; 2.0 percent), oranges (32,129 ha; 1.3 percent)

and cacao (12,659 ha; 0.5 percent. Other permanent crops occupied 77,042 ha, which is equivalent to 3.2 percent of total planted area with permanent crops in Tanzania Mainland (Figure 3.32(a)).

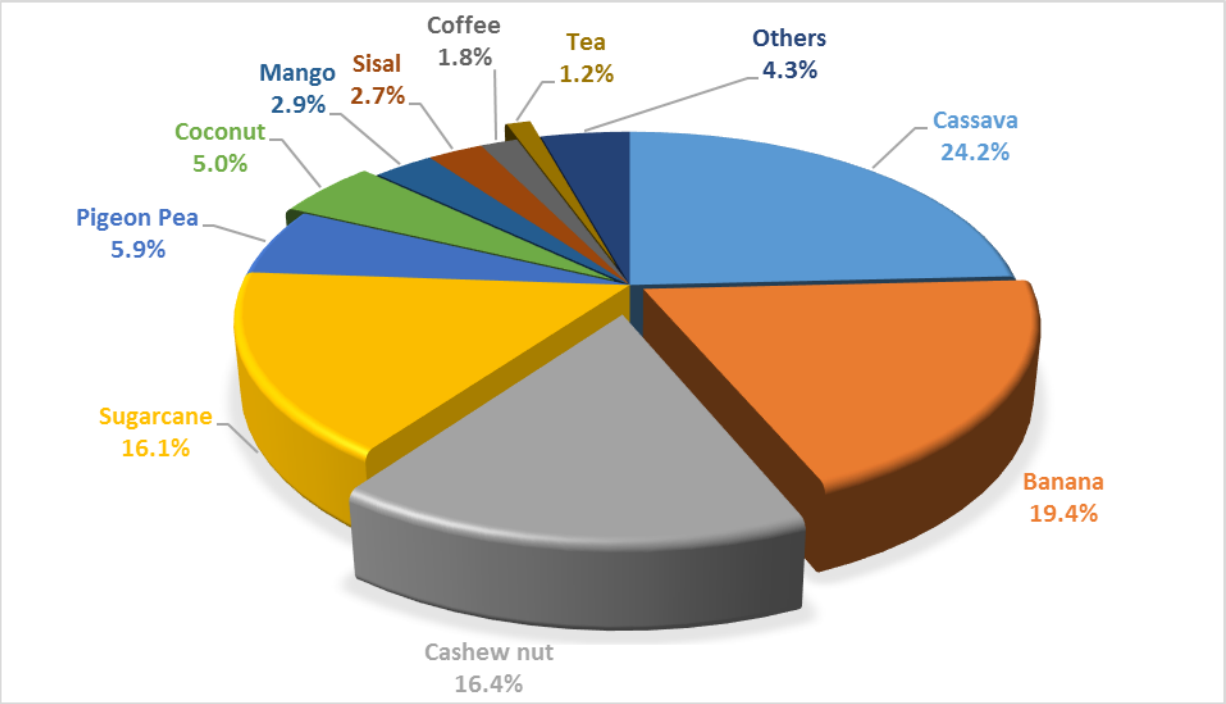
Figure 3.32(a): Percentage Share of Area Planted (ha) with Permanent Crops, Mainland, 2016/17 AASS



The total harvested area for permanent crops was 1,613,014 ha. Cashew nut had the largest share of 573,991 ha (35.6 percent), followed by cassava (347,499 ha; 21.5 percent), pigeon peas (272,173 ha; 16.9 percent), banana (104,210 ha; 6.5 percent), sisal (71,585 ha; 4.4 percent), coconut (60,905 ha; 3.8 percent), coffee (47,731 ha; 3.0 percent), sugar cane (36,755 ha; 2.3 percent), mangoes (20,660 ha; 1.3 percent),oranges (19,879 ha; 1.2 percent) and cacao (12,659 ha; 0.8 percentage). The harvested area for other permanent crops was 44,967 ha (2.8 percent of total harvested area).

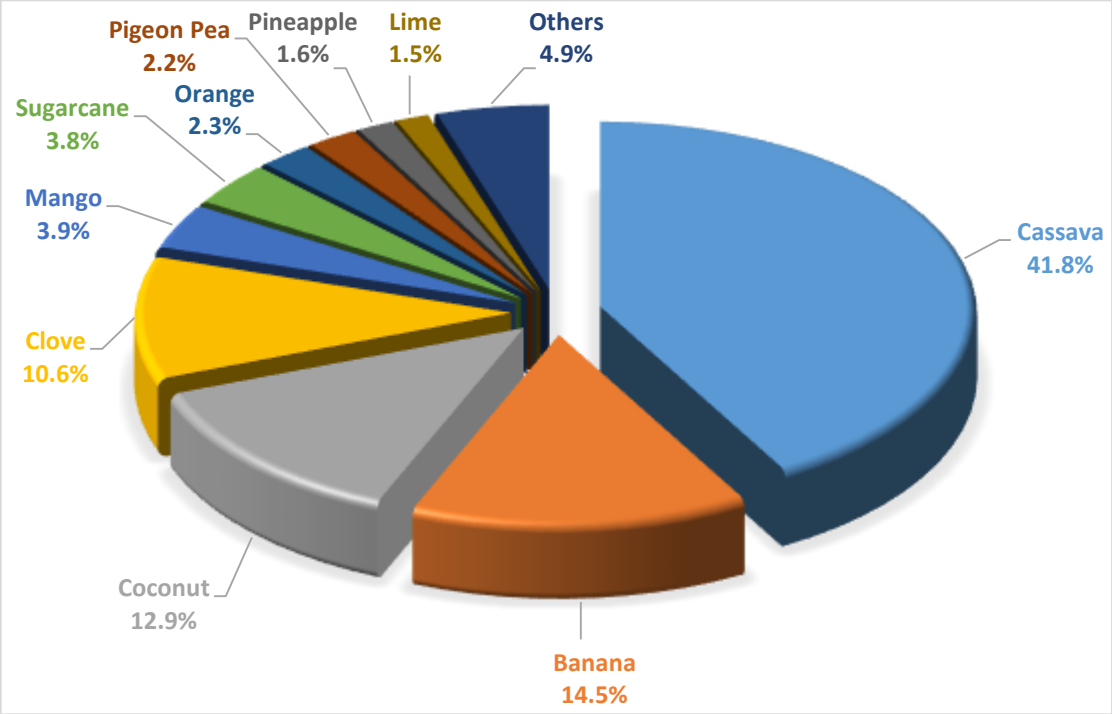
With respect to production, cassava (572,727 tonnes; 24.2 percent) had the highest production among the permanent crops harvested in Tanzania Mainland. It was followed by banana (458,975 tonnes; 19.4 percent), cashew nuts (387,936 tonnes; 16.4 percent), sugar cane (381,720 tonnes; 16.1 percent), pigeon peas (140,366 tonnes; 5.9 percent), coconut (118,017 tonnes; 5.0), mangoes (69,540 tonnes; 2.9 percent), sisal (63,824 tonnes; 2.7 percent), coffee (42,970 tonnes; 1.8 percent) and tea (27,967 tonnes; 1.2 percentage). Other permanent crops produced 101,489 tonnes (4.3 percent of total production of permanent crops in Mainland) (Figure 3.32(b)).

Figure 3.32(b): Production (tonnes) of Permanent Crops, Mainland, 2016/17 AASS



For Zanzibar, the total area planted with permanent crops was 84,519 ha. Cassava (35,340 ha; 41.8 percent) had the largest share, followed by banana (12,282 ha; 14.5 percent), coconut (10,943 ha; 12.9 percent), cloves (8,930 ha; 10.6 percent), mango (3,260 ha; 3.9 percent), sugar cane (3,192 ha; 3.8 percent), oranges (1,955 ha; 2.3 percent), pigeon peas (1,838 ha; 2.2 percent), pineapple (1,373 1.6 percent) and lime (1,234 ha; 1.5 percent). Other permanent crops occupied a total of 4,172 ha (4.9 percent of total planted area with permanent crops in Zanzibar) (Figure 3.32(c)).

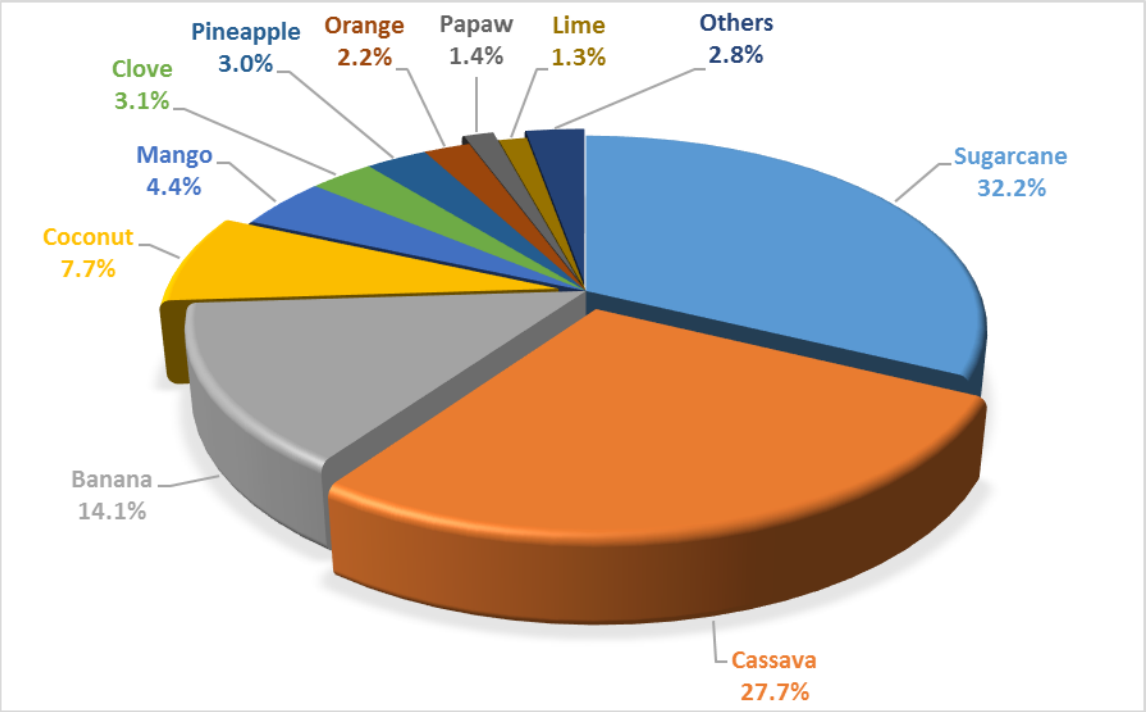
Figure 3.32(c): Percentage Share of Area Planted (ha) with Permanent Crops, Zanzibar, 2016/17 AASS



Total harvested area for permanent crops in Zanzibar was 60,954 ha. Cassava (21,906 ha; 35.9 percent) had the largest share, banana (10,402 ha; 17.1 percent), coconut (8,212 ha; 13.5 percent), cloves (7,299 ha; 12.0 percent), sugar cane (2,786 ha; 4.6 percent), mangoes (2,406 ha; 3.9 percent), oranges (1,496 ha: 2.5 percent), pigeon peas (1,314 ha; 2.2 percent), pineapple (1,001 ha; 1.6 percent) and lime (971 ha; 1.6 percent). The harvested area for other permanent crops was 3,162 ha (5.2 percent of total harvested area).

With respect to production, sugar cane (64,988 tonnes; 32.2 percent) had the highest production among the permanent crops harvested in Zanzibar. It was followed by cassava (55,884 tonnes; 27.7 percent), banana (28,524 tonnes; 14.1 percent), coconut (15,579 tonnes; 7.7 percent), mangoes (8,886 tonnes; 4.4 percent), cloves (6,291 tonnes; 3.1 percent), pineapple (5,968 tonnes; 3.0 percent), oranges (4,518 tonnes; 2.2 percent), pawpaw (2,917; 1.4 pecent) and lime (2,721 tonnes; 1.3 percent). Other permanent crops produced 5,693 tonnes (2.8 percent of total production of permanent crops) (Figure 3.32(d)).

Figure 3.32(d): Production (tonnes) of Permanent Crops, Zanzibar, 2016/17 AASS



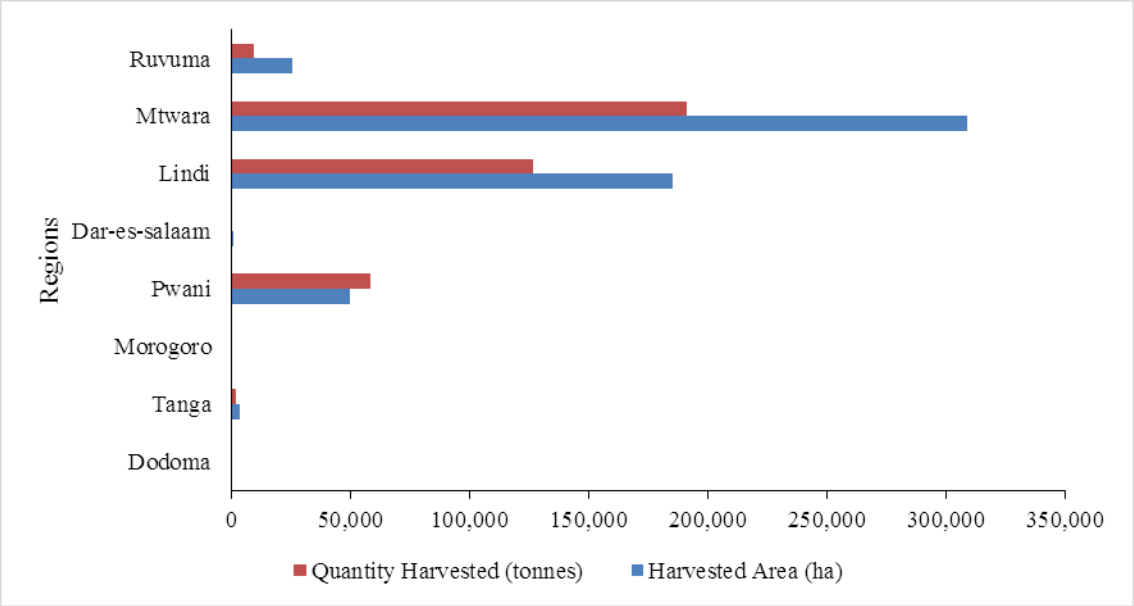
3.7.1 Cashewnuts

Cashewnuts was cultivated in Tanzania Mainland by 666,258 operators. About 90 percent of the area planted with cashew nuts was found in three regions of Mtwara, Lindi and Pwani.

The total planted area with cashew in Tanzania Mainland nuts was 695,683 ha. Mtwara Region (327,281 ha; 47.0 percent) had the largest area planted with cashew nuts, followed by Lindi (207,951 ha. 29.9 percent) and Pwani (91,815 ha; 13.2 percent). The total harvested area was 574, 072 ha (82.5 percent of total planted area). Mtwara Region (308,835 ha; 53.8 percent) had the largest harvested area, followed by Lindi (185,065 ha; 32.2 percent) and Pwani (49,908 ha; 8.7 percent).

The total production of cashew nuts was 387,936 with Mtwara Region (191,025 tonnes; 49.2 percent) having the highest production, followed by Lindi (126,353 tonnes; 32.6 percent) and Pwani (58,337 tonnes; 15.0 percent) (Figure 3.33).

Figure 3.33: Harvested Area (ha) and Production (tonnes) of Cashew nuts by Region, Mainland, 2016/17 AASS



3.7.2 Banana

The total number of operators engaged in banana production was 597,452 where by 533,733 were in Tanzania Mainland and 63,719 in Zanzibar. The total planted area was 147,074 ha of which 134,792 ha in Mainland and 12,282 ha Zanzibar. In Tanzania Mainland Kagera Region (53,504 ha; 38.9 percent) had the largest planted area, followed by Kilimanjaro 16,665 ha (12.1 percent) and Mbeya (13,991 ha; 11.9 percent). In Zanzibar, Kusini Pemba Region (4,265 ha; 34.7 percent) had the largest planted area, followed by Kaskazini Unguja with 2,872 ha (23.3 percent).

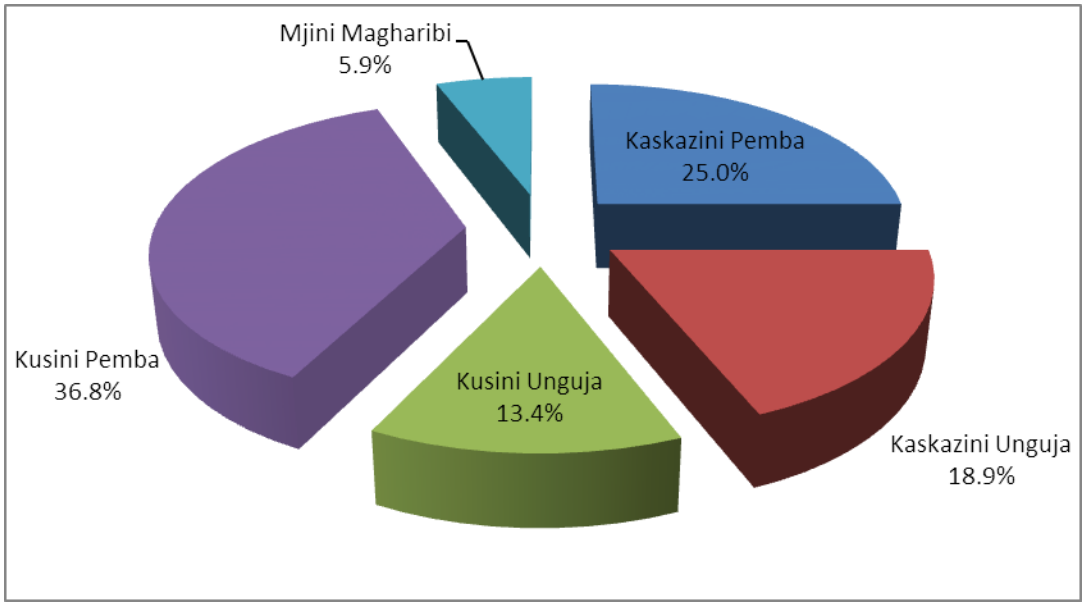
Out of the total area planted with banana, 114,612 ha (78.3 percent of planted area) was harvested with 104,210 ha in Tanzania Mainland and 10,402 ha in Zanzibar. In Tanzania Mainland, Kagera Region (34,261 ha (32.9 percent) had the largest harvested area, followed by Kilimanjaro (14,672 ha; 14.1 percent) and Mbeya (13,672 ha; 13.1 percent).
In Zanzibar, Kusini Pemba Region (3,620 ha: 34.8 percent) had the largest harvested area, followed by Kaskazini Unguja (2,428 ha; 23.3 percent) and Kaskazini Pemba (2,309 ha; 22.2 percent).

The total production was 487,500 tonnes, 458,975 tonnes (94 percent) in Tanzania Mainland and 28,524 (6 percent) in Zanzibar. In Mainland, Kagera Region (196,511 tonnes; 43.0 percent) had the highest production, followed by Mbeya (76,797 tonnes; 16.7 percent), and

Kilimanjaro (69,714 tonnes; 15.3 percent). The average yield of banana was 4.4 tonnes/ha; ranging from 0.2 tonnes/ha in Dodoma to 8.1 tonnes/ha in Katavi.

In Zanzibar, total banana production was 28,524 tonnes. Kusini Pemba Region (10,498 tonnes; 36.8 percent) had the highest production, followed by Kaskazini Pemba (7,141 tonnes; 25.0 percent) and Kaskazini Unguja (5,393.3 tonnes; 18.9 percent). The average yield of banana in Zanzibar was 2.7 tonnes/ha with the highest yield being 3.1 tonnes/ha in Kaskazini Pemba (Figure: 3.34).

Figure 3.34: Production (percent) of bananas by region, Zanzibar, 2016/17 AASS



3.7.3 Coconuts

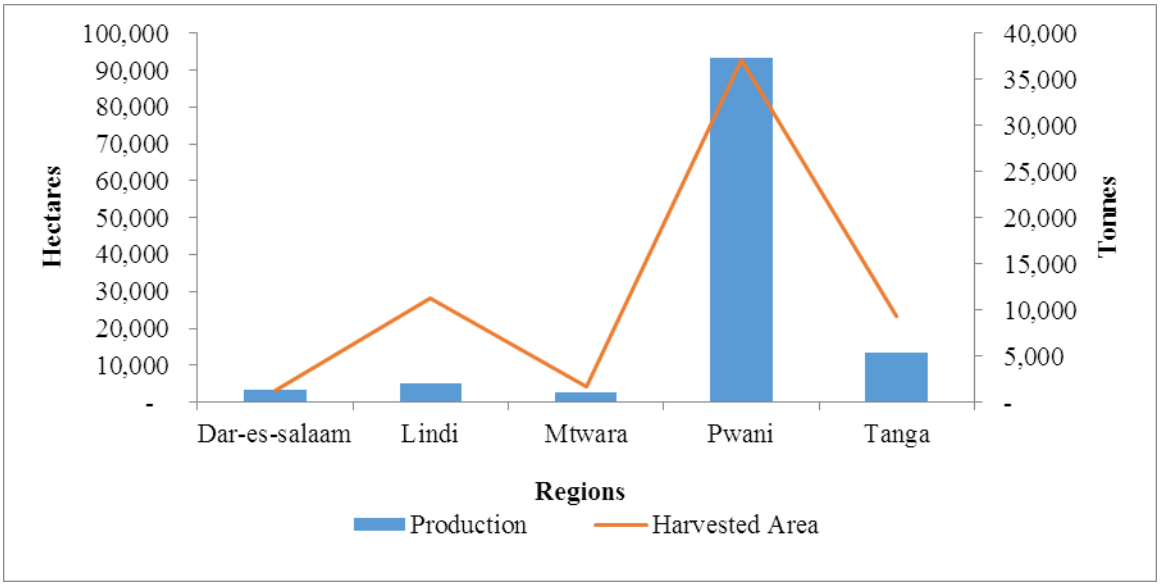
Coconut is mainly grown along the eastern coast of the country. Total number of operators engaged in the cultivation for coconut in Tanzania was 227,827 (177,043 in Tanzania Mainland and 50,784 Zanzibar). The total planted area was 74,316 ha (63,373 ha, 85 percent) in Tanzania Mainland and 10,943 ha (15 percent) in Zanzibar. In Tanzania Mainland coconut was cultivated in eight regions with three regions (Pwani, Lindi and Tanga) contributing to 94.3 percent to the total cultivated area. Pwani Region (37,805 ha; 69.7 percent) had the largest

planted area of coconut followed by Lindi with 11,249 ha (17.8 percent) and Tanga (10,649 ha; 16.8 percent).

Total harvested area for coconuts in Tanzania was 69,117 ha (60,905 ha in Mainland and 8,212 ha in Zanzibar). The average yield of coconut was 1.9 tonnes/ha in both Tanzania Mainland and Zanzibar. In Tanzania Mainland, Pwani Region with 37,098 ha (60.9 percent) had the largest harvested area, followed by Lindi with 11,249 ha (18.5 percent) and with Tanga 9,396 ha (15.4 percent).

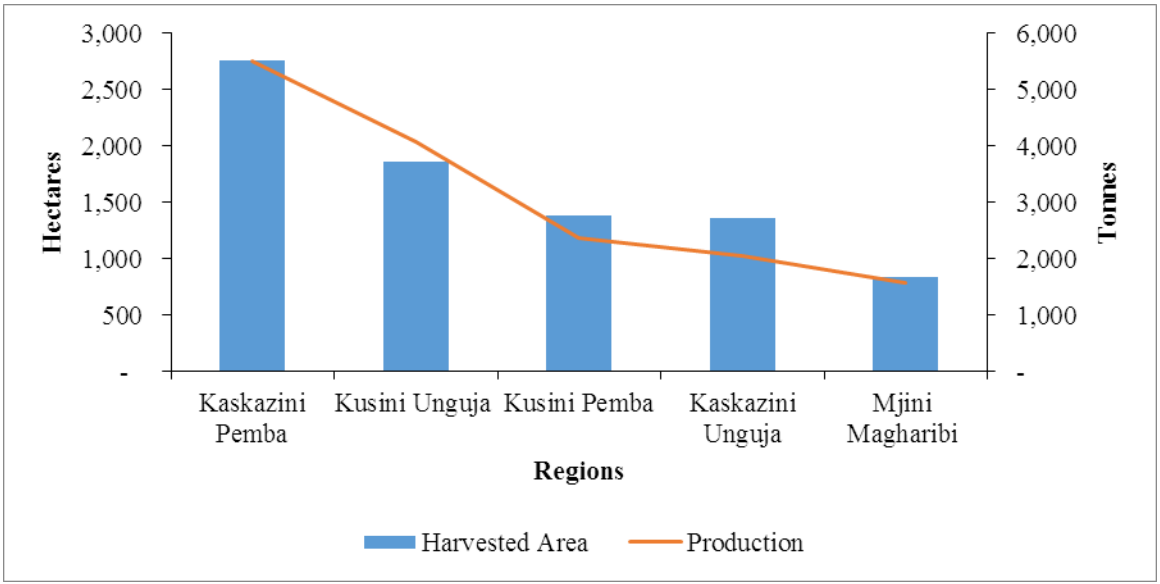
The total production of coconut in the Tanzania was 133,596 tonnes with Tanzania Mainland contributing 118,017 tonnes and Zanzibar 15,579 tonnes. In Tanzania Mainland, Pwani Region (93,244 tonnes; 79.0 percent) had the highest production of coconut, followed by Tanga with 13,488 ha (11.4 percent) and Lindi with 4,920 tonnes (4.2 percent) (Figure 3.35(a)).

Figure 3.35(a): Harvested area and production of coconut by region, Tanzania Mainland, 2016/17 AASS



In Zanzibar coconut was produced in all 5 regions. Kaskazini Pemba Region (3,986 ha; 36.4 percent) had the largest planted area, followed by Kusini Unguja with 2,544 ha (23.2 percent), and Kusini Pemba with 1,965 ha, (18.0 percent). The largest harvested area for coconut in Zanzibar was also found in Kaskazini Pemba with 2,763 ha (33.7 percent), followed by Kusini Unguja 1,862 ha (22.7 percent) Kaskazini Pemba had the highest production of 5,512 tonnes (35.4 percent), followed by Kusini Unguja (4,080 tonnes; 26.2 percent) and Kusini Pemba (2,370 tonnes; 15.2 percent)(Figure 3.35 (b))

Figure 3.35(b): Area Harvested (ha) and Production (tonnes) of coconuts by Regions, Zanzibar, 2016/17 AASS



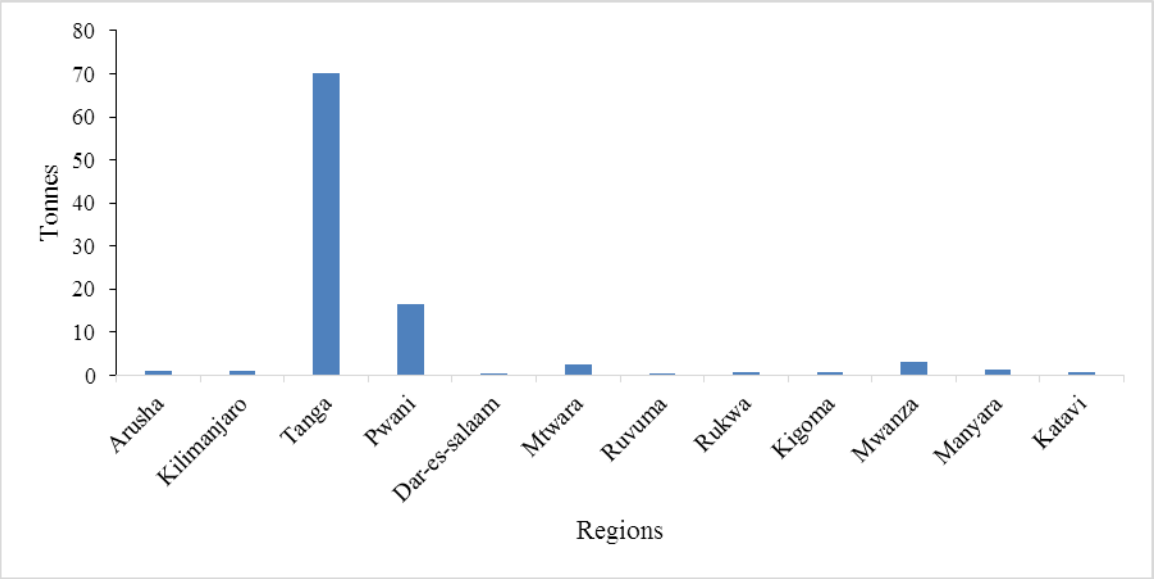
3.7.4 Oranges

Oranges are grown in all regions of Tanzania but production varies. Orange cultivation involved 79,570 operators in the country, of which 63,356 operators were found in Tanzania Mainland and 16,214 in Zanzibar. The total area planted with oranges in Tanzania was 34,085 ha (32,129 ha in Tanzania Mainland and 1,955 ha in Zanzibar). In Tanzania Mainland, two regions of Tanga and Pwani had about 90 percent of the total planted area for oranges. Tanga (26,230 ha; 81.6 percent) had the largest planted area, followed by Pwani with 2,592 ha (8.1 percent) and Mtwara with 1,173 ha (3.7 percent).

Total harvested area for oranges in the country was 21,375 ha (63 percent of the planted area), with 19,879 ha coming from Mainland and 1,496 ha in Zanzibar. In Tanzania Mainland, Tanga Region with 16,994 ha, (85.5 percent) had the largest harvested area, followed by Pwani with 1,307 ha (6.6 percent) and Mtwara with 1,173 ha (5.9 percent). The average yield of oranges in Tanzania Mainland was 0.3 tonnes/ha.

The results show that 9,839 tonnes of oranges were produced in the country: 5,321 tonnes (54 percent) in Tanzania Mainland and 4,518 tonnes (46 percent) in Zanzibar. Tanga Region with 3,731 tonnes (70.1 percent) had the largest orange production, followed by Pwani (880 tonnes; 16.5 percent). (Figure 3.36(a)).

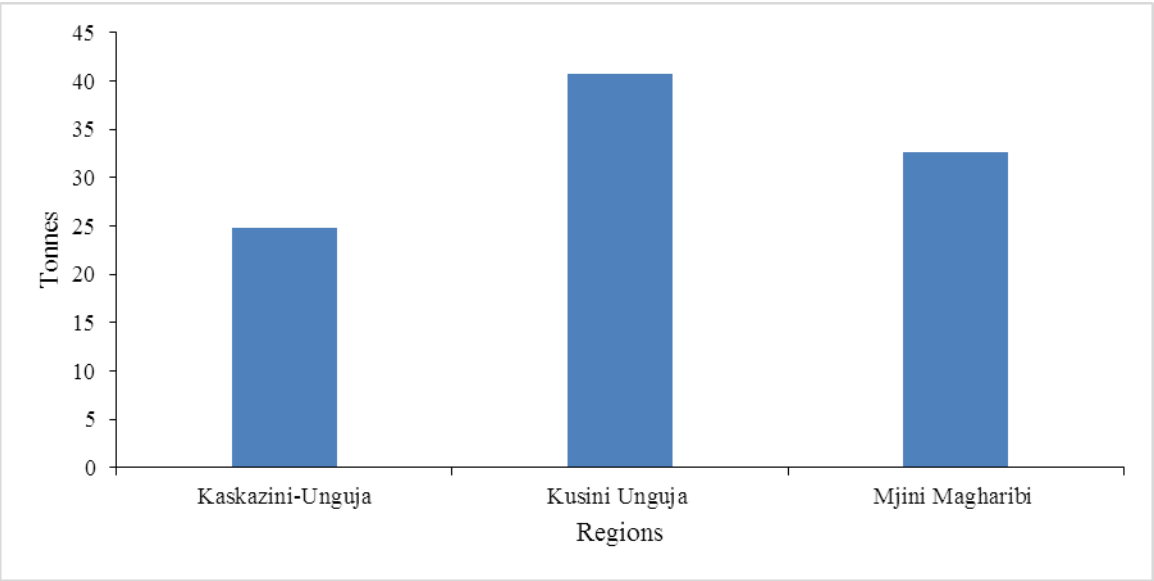
Figure 3.36(a): Production (tonnes) of Oranges, Tanzania Mainland by Regions, AASS 2016/17



In Zanzibar, oranges were produced in all regions. The leading region in area planted with oranges in Zanzibar was Mjini Magharibi with 677 ha (36.4 percent), followed by Kusini Unguja with 628 ha (32.1 percent).

Total harvested area in Zanzibar was 1, 496 ha (76.5 percent of the total planted area). Mjini Magharibi had the largest harvested area of 639.0 ha (34.6 percent), followed by Kusini Unguja with 408 ha (32.1 percent). The total production of oranges in Zanzibar was 4,518 tonnes; Kusini Unguja lead with 1,840 tonnes (40.7 percent), followed by Mjini Magharibi 1,472 tonnes (32.6 percent). (Figure 3.36(b)).

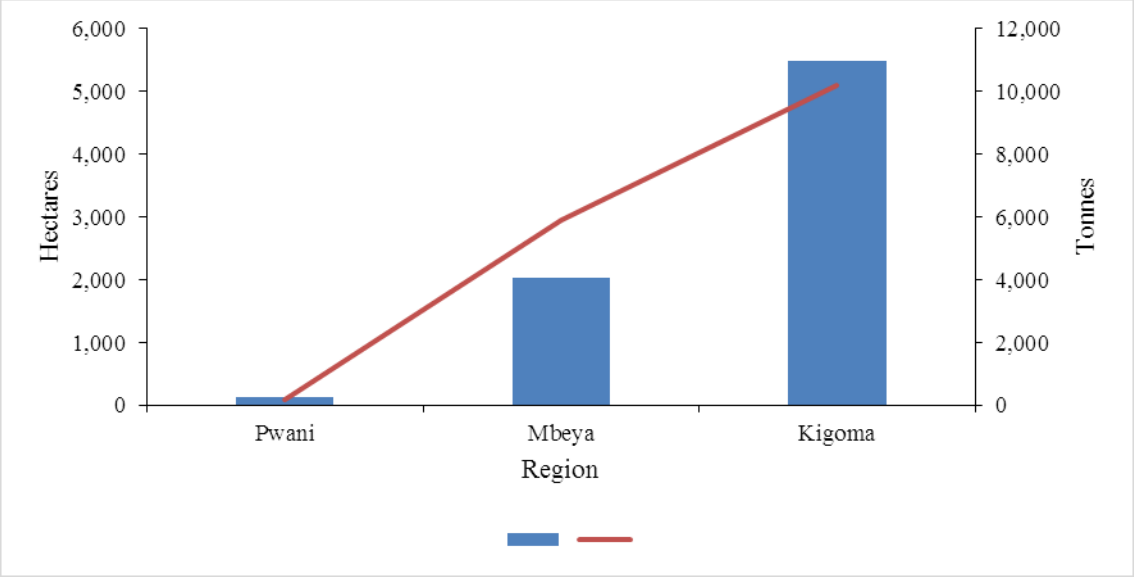
Figure 3.36(b): Production (tonnes) of Oranges in Zanzibar by Regions, AASS 2016/17



3.7.5 Oil Palm

In this survey, oil palm production was found in five regions of Tanzania Mainland. A total of 25,773 operators were engaged in oil palm production. The total area planted with oil palm was 9,742 ha of which 7,717 ha were harvested (79.2 percent of planted area). Kigoma Region with 6,819 ha (70.0 percent) had the largest planted area, followed by Mbeya with 2,102 ha (21.6 percent). The other palm oil producing region was Pwani (444 ha: 4.6 percent). The total production was 16,593 tonnes from 7,717 ha harvested with an average yield of 2.2 tonnes/ha. Kigoma Region with 10,192 tonnes (61.4 percent) had the highest production from 5,487 ha harvested, followed by Mbeya 5,918 tonnes (35.7 percent) from 2,031 ha harvested and Pwani Region with 156 tonnes (0.9 percent) from 126 ha harvested (Figure 3.37).

Figure 3.37: Harvested Area (ha) and Production (tonnes) of Palm Oil by Region, Tanzania Mainland, 2016/17 AASS

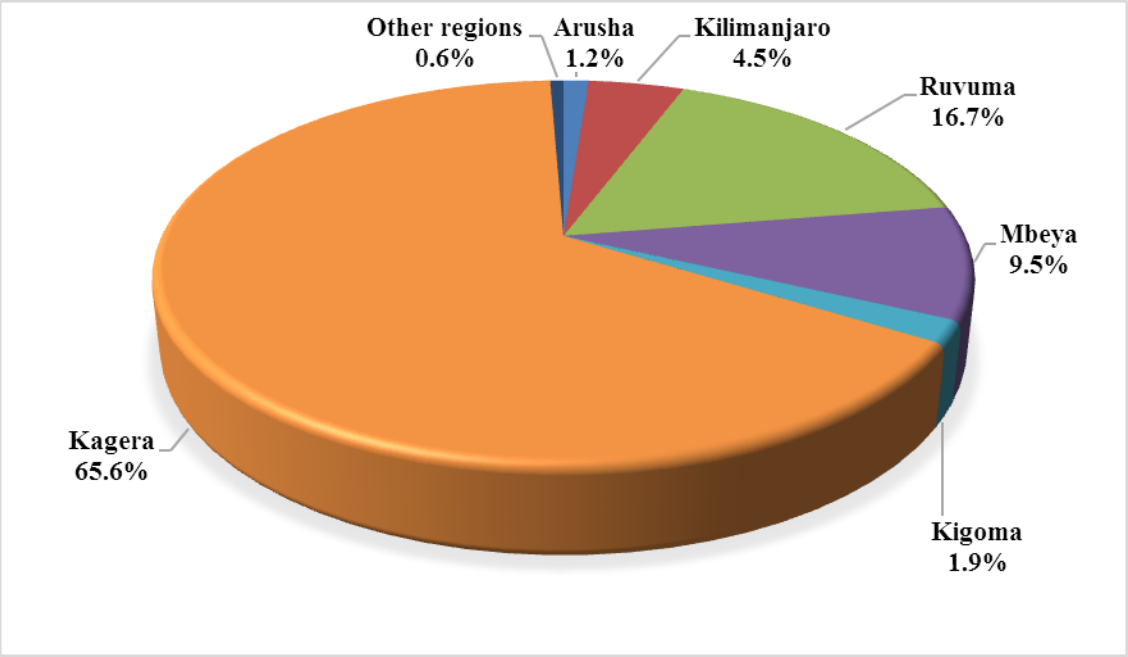


3.7.6 Coffee

Coffee is among the major cash crops grown in Tanzania and is mostly produced in 7 regions of Tanzania Mainland. There were 183,343 operators engaged in production of coffee. The total area planted with coffee was 60,370 ha of which 47,731 ha were harvested (79.0 percent of planted area) with a total production of 42,970 tonnes. The results further shows that, Kagera had the largest area planted with coffee 31,384 ha (51.9 percent) with production of 28,170 tonnes (65.5 percent of the total production) from 22,306 ha harvested, followed by

Ruvuma with planted area of 12,362 ha (20.4 percent) and produced 7,171 tonnes (16.7 percent), and Mbeya Region with planted 7,996 ha (13.2 percent) and production of 4,092 tonnes (9.5 percent). Other coffee growing regions produced 3,537 tonnes which is 8.2 percent of the total coffee production (Figure 3.38).

Figure 3.38: Production (percent) of Coffee by Region, Tanzania Mainland, 2016/17 AASS



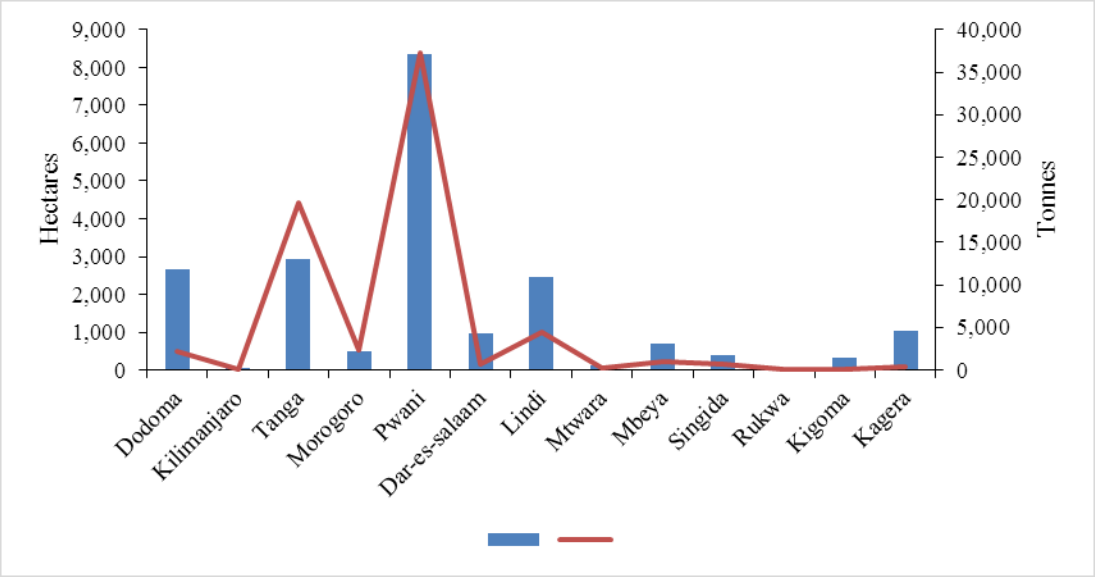
3.7.7 Mango

Mango is among the most important fruits in Tanzania and grows almost in all regions though production varies. There were 202,679 operators growing mango in the country with Tanzania Mainland had 183,602 (90.5 percent) and 19,077 (9.5 percent) in Zanzibar. The total area planted with mangoes was 51,917 ha of which Mainland had 48,657 ha (93.7 percent) and Zanzibar had 3,260 ha (6.3 percent).

The total mango production in Tanzania was 78,427 tonnes with 88.6 percent from Tanzania Mainland and 11.4 percent from Zanzibar. The area harvested were 20,660 ha Tanzania Mainland and 2,406 ha in Zanzibar. The average yield of mangoes was in Tanzania Mainland 3.4 tonnes/ha and was 3.7 ton/ha.in Zanzibar.

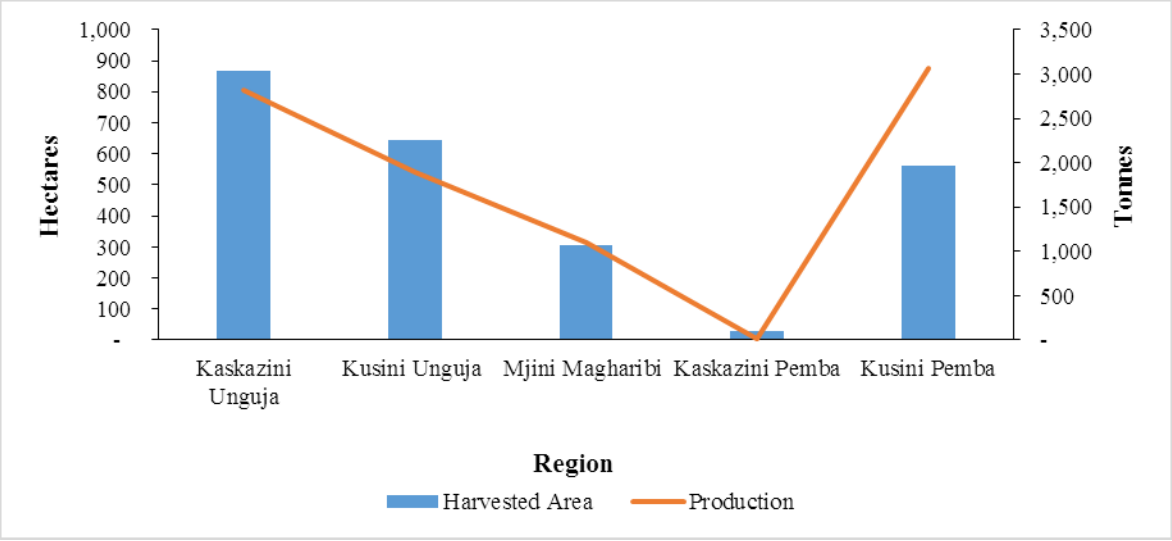
In Tanzania Mainland, Pwani Region (23,895 ha; 49.1 percent) had the largest mangoes planted area and produced 37,270 tonnes (53.6 percent) from 8,358 ha harvested. It was the followed by Tanga with a planted area of 9,064 ha (18.6 percent) and produced 19,681 tonnes (28.3 percent) from 2,932 ha harvested and Dodoma Region with a planted area of 2,666 ha (5.5 percent) and produced 2,239 tonnes (12.8 percent) from a harvested area of 2,655 ha. (Figure 3.39(a)).

Figure 3.39(a): Harvested Area (ha) and Production (tonnes) of Mangoes by Region, Tanzania Mainland, 2016/17 AASS



All five regions in Zanzibar were involved in production of mangoes. Kaskazini Unguja Region (1,122 ha; 34.4 percent) had the largest planted area, followed by Kusini Unguja with 926 ha (28.4 percent). The total production of mangoes in Zanzibar was 8,886 tonnes. Kusini Pemba Region (3,060 tonnes; 34.4 percent) had the highest production of mangoes from 560 ha harvested, followed by Kaskazini Unguja with 2,812 tonnes (31.6 percent) from 867 ha harvested (Figure 3.39(b)).

Figure 3.39(b): Harvested Area (ha) and Production (tonnes) of Mangoes by Region, Zanzibar, 2016/17 AASS

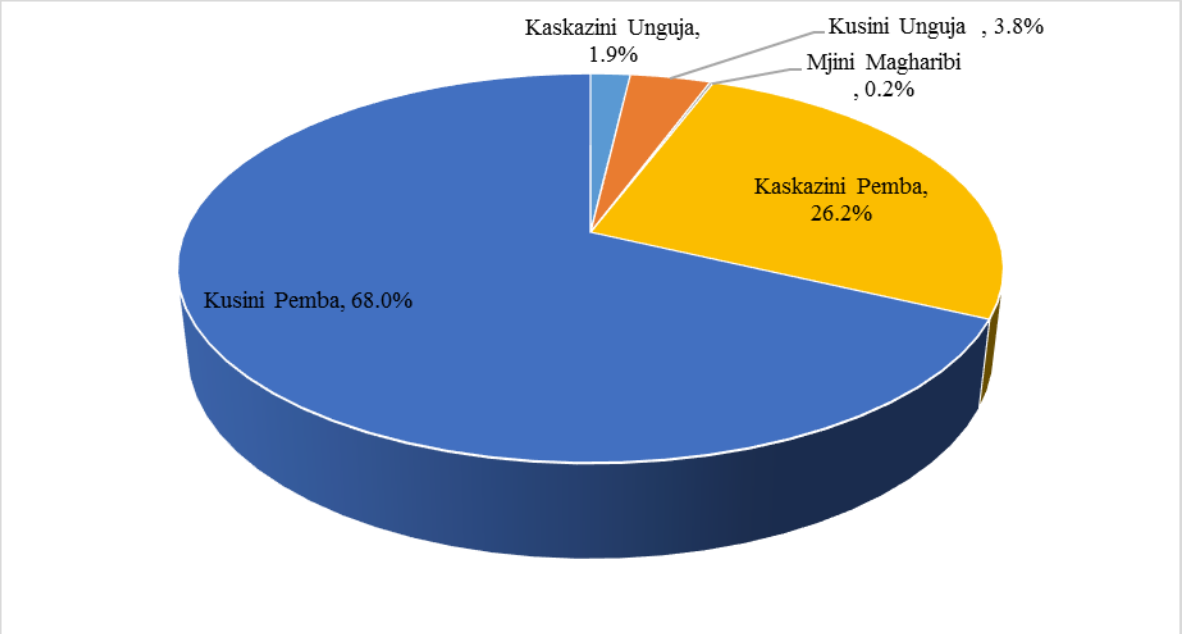


3.7.8 Cloves

There were 32,591 operators engaged in cloves production in Tanzania, out of whom 462 (1.4 percent) were in Tanzania Mainland and 32,130 (98.6 percent) in Zanzibar. The total area planted with cloves in Tanzania was 9,087 ha of which 157 ha (1.7 percent) were in Tanzania Mainland and 8,930 ha (98.3 percent) in Zanzibar. The total production of cloves in Tanzania was 6,307 tonnes. In Tanzania Mainland cloves was only produced in Tanga and Morogoro Regions from where only 16 tonnes were produced.

Cloves is the most important cash crop in Zanzibar. The crop is gown in all five regions, Kusini Pemba with planted area of 4,966 ha (55.6 percent) and produced 4,276 tonnes (68.0) from 4,296 ha harvested led in production, followed by Kaskazini Pemba (2,722 ha; 30.5 percent) and produced 1,651 tonnes (26.2 percent) from 2,218 ha harvested (Figure 3.40).

Figure 3.40: Percentage Share of Clove Production by Region in Zanzibar, 2016/17 AASS



3.7.9 Other Permanent Crops

There are about 40 other permanent crops grown in Tanzania and which were included in the Annual Agriculture Sample Survey 2016/17. Those worth mentioning are avocado, tea and pineapples. Tea was cultivated in Tanzania Mainland only and involved 3,687 operators who planted 3,568 ha of land and harvested 27,967 tonnes.

There were 25,256 operators engaged in the production of avocado with 23,834 in Tanzania Mainland and 1,423 in Zanzibar. With a total planted area of 5,504 ha production of avocado was 19,449 tonnes of which 19,287 tonnes (99 percent) were from Tanzania Mainland. 36,461 operators engaged in pineapple production of whom 25,925 operators (71.1 percent) were in Mainland and 10,536 operators (29 percent) in Zanzibar. The total area planted with pineapples in Tanzania was 8,789 ha of which 7,416 ha (84 percent) were in Tanzania Mainland and 1,373 ha (16 percent) in Zanzibar. Total production of pineapples was 11,540 tonnes of which 5,572 tonnes (48.2 percent) were in Tanzania Mainland and 5,968 tonnes (51.7 percent) in Zanzibar (Table 2).

Table 2: Area Planted, Harvested and Production for Other Permanent Crops, AASS 2016/17

	Planted Area (ha)		Harvested Area (ha)		Production (tonnes)	
Crop	**Mainland**	**Zanzibar**	**Mainland**	**Zanzibar**	**Mainland**	**Zanzibar**
Tea	3,568		3,568		27,967	
Avocado	5,344	160	3,745	99	19,287	162
Pineapple	7,416	1,373	4,896	1,001	5,572	5,968
Total	**16,328**	**1,532**	**12,209**	**1,100**	**52,827**	**6,130**

Chapter Four

Livestock

4.0 Livestock Results

Tanzania is the third amongst countries with largest livestock population in Africa after Ethiopia and North Sudan[1]. Livestock sector plays a significant contribution to the economy of Tanzania. In 2016/17, the sector growth was 2.8 percent and contributed 6.9 percent to GDP[2]. The main types of livestock raised in Tanzania are cattle, goats, sheep, pigs and chicken. Products produced include meat, milk, hides, skin and eggs. Livestock also contributes to crop and vegetable production by providing draft power for cultivation and organic manure. It generates a considerable amount of cash income and determines the household economic and social status in many communities.

This section covers the Livestock Sector at National and Regional estimates in both Tanzania Mainland and Zanzibar. A total of 3,876,442 operators (44.0 percent) out of 8,763,267 agricultural operators involved in the Survey were found to engage in keeping livestock. Moreover, the reference date for livestock inventory estimates was as of 1st October 2017 while livestock products were collected with reference to agricultural year (1st October 2016 to 30thSeptember 2017).

The main types of livestock covered in the 2016/17 Annual Agricultural Sample Survey were cattle, goats, sheep, pigs, chickens and donkeys. The dominant species was cattle with 30,672,001 heads followed by goats (19,055,651 heads), sheep (5,565,986 heads), donkeys (580,238 heads) and indigenous chicken (40,349.893 birds).

4.1 Cattle

A total number of 3,065,051 operators were engaged in cattle rearing of whom 3,006,308 operators (98.1percent) were in Tanzania Mainland and 58,743 (1.9 percent) in Zanzibar. The

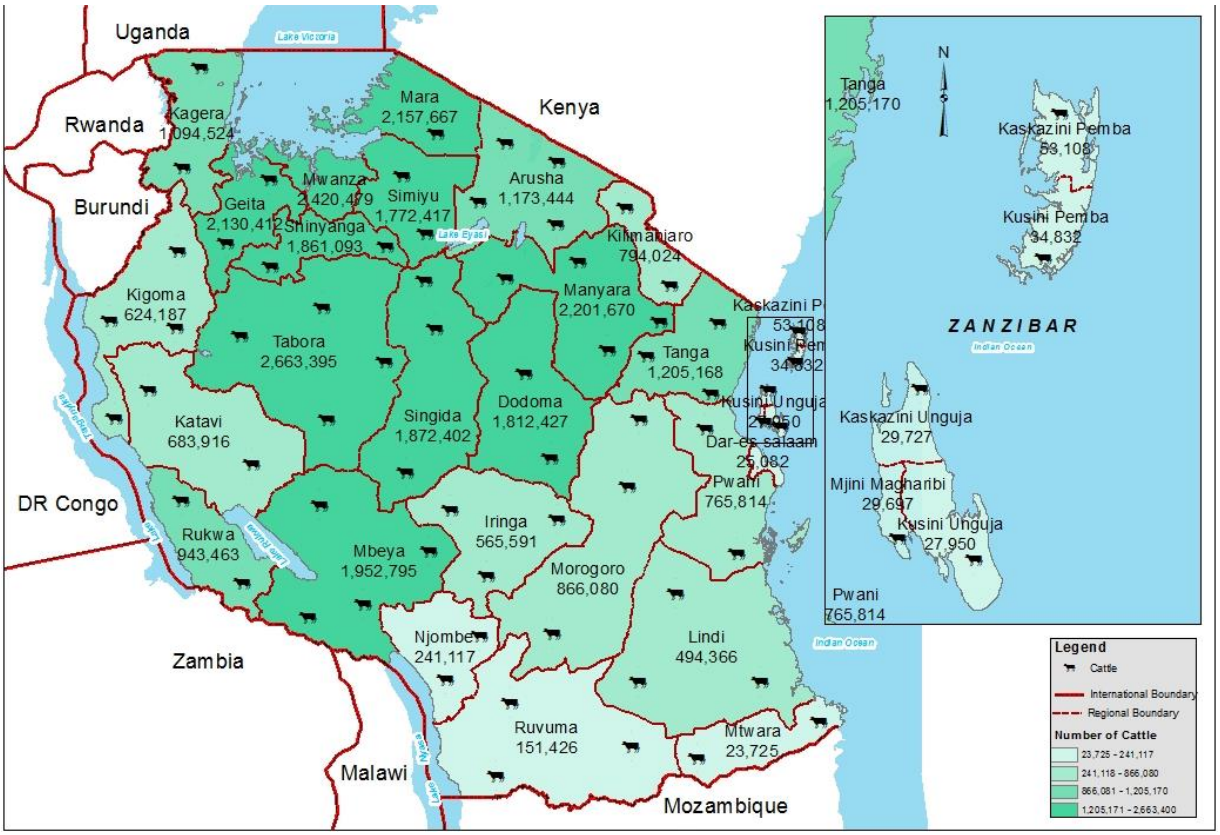
[1]FAO 2015, World Livestock Inventory: Ranking of Countries

[1]Tanzania Economic Survey Report 2016

total number of cattle in Tanzania was 30,672,001 of which 30,496,687 heads (99.4 percent) were in Tanzania Mainland and 175,314 (0.6 percent) in Zanzibar.

The region with highest number of cattle in Tanzania Mainland was Tabora with 2,663,395 heads (8.7 percent of the total heads in Mainland) followed by Mwanza (2,420,479; 7.9 percent) and Manyara (2,201,670; 7.2 percent). In Zanzibar, Kaskazini Pemba Region with 53,108 heads (30.3 percent of the total heads in Zanzibar) had the highest number of cattle, followed by Kusini Pemba (34,832; 19.9 percent) and Kaskazini Unguja (29,727; 17 percent).

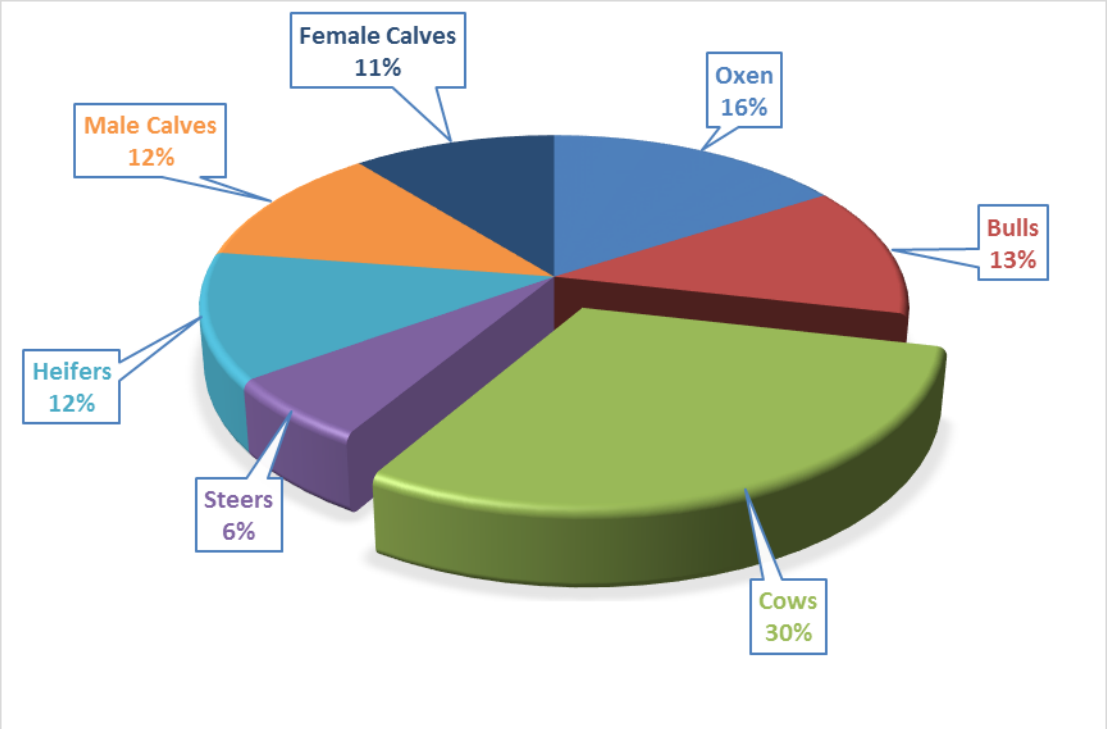
Map 4.1: Cattle Population by Region in Tanzania as of 1st October, 2017



4.1.1 Categories of Cattle

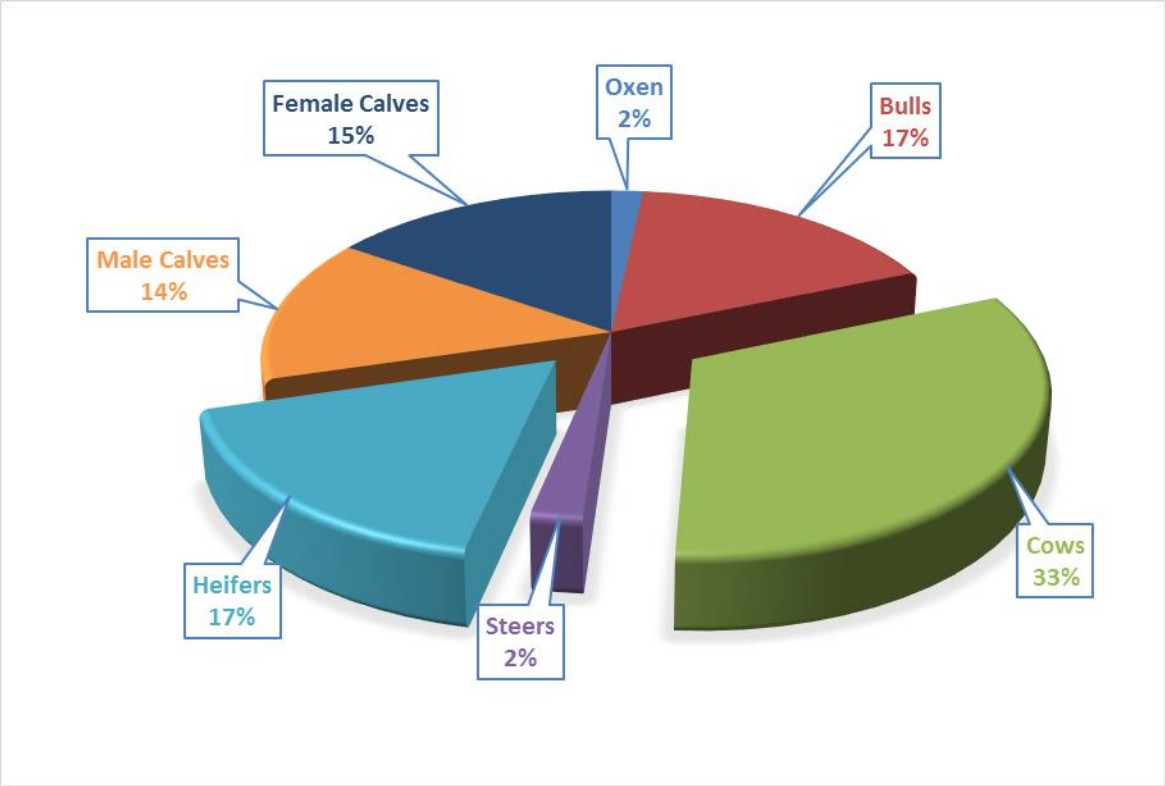
A total of 30,496,687 cattle were recorded in Tanzania Mainland, the type with highest number was cows (9,197,319; 30 percent) followed by oxen (4,842,528; 16 percent), Bulls were 3,861,666 (13 percent), Heifers (3,782,070; 12 percent), male calves (3,602,998: 12 percent), female calves 3,282,700 (11 percent) and Steers 1,926,405 (6 percent).

Figure 4.1: Distribution of Cattle by Category in Mainland as of 1st October, 2017



In Zanzibar there were total of 175,314 cattle, the type with highest number was cows (56,912; 32.5 percent) followed by heifers (30,091; 17.2 percent), Bulls were 29,771 (17.0 percent), female calves (27,000; 15.4 percent), male calves (24,814: 14.2 percent), steers 3,762 (2.1 percent) and oxen 2,964 (1.7 percent) (Figure 4.2)

Figure 4.2: Distribution of Cattle by Category in Zanzibar as of 1st October, 2017

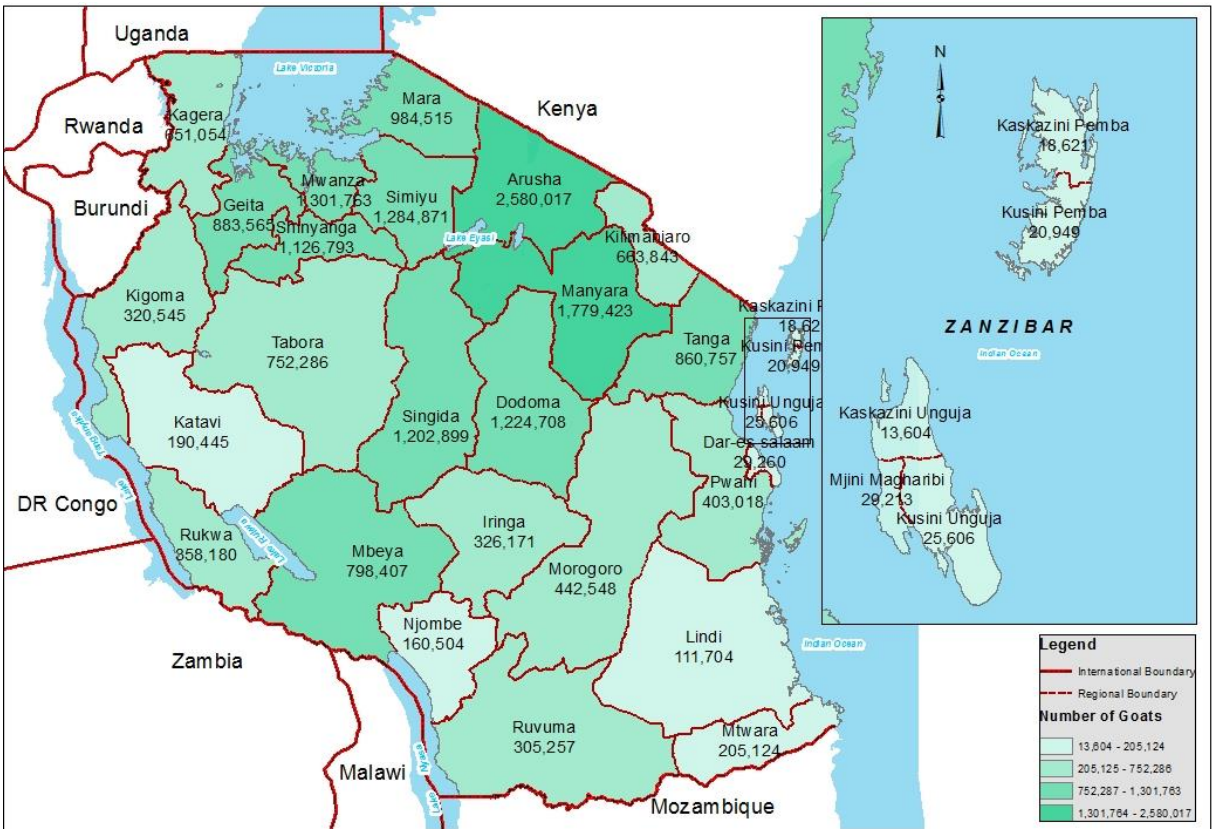


4.2 Goat

Goat ranks the second in livestock population after cattle in both Tanzania Mainland and Zanzibar. The number of operators in Tanzania engaged in goat keeping was 2,789,167 of whom 2,746,230 operators (98.5 percent) were in Tanzania Mainland and 42,937 (1.5 percent) in Zanzibar. Total number of goats in Tanzania was 19,055,651 heads of which 18,947,657 (99.4 percent) were in Tanzania Mainland and 107,993 (0.6 percent) in Zanzibar.

In Mainland Arusha Region with 2,580,017 heads (13.6 percent) had the highest number of goats, followed by Manyara (1,779,423 heads; 9.4 percent) and Mwanza (1,301,763 heads; 6.9 percent). In Zanzibar, the highest number of goats was reported in Mjini Magharibi with 29,213 heads (27.1 percent) followed by Kusini Unguja (25,606; 23.7 percent).).

Map 4.2: Goat Population by Regions in Tanzania as of 1st October, 2017

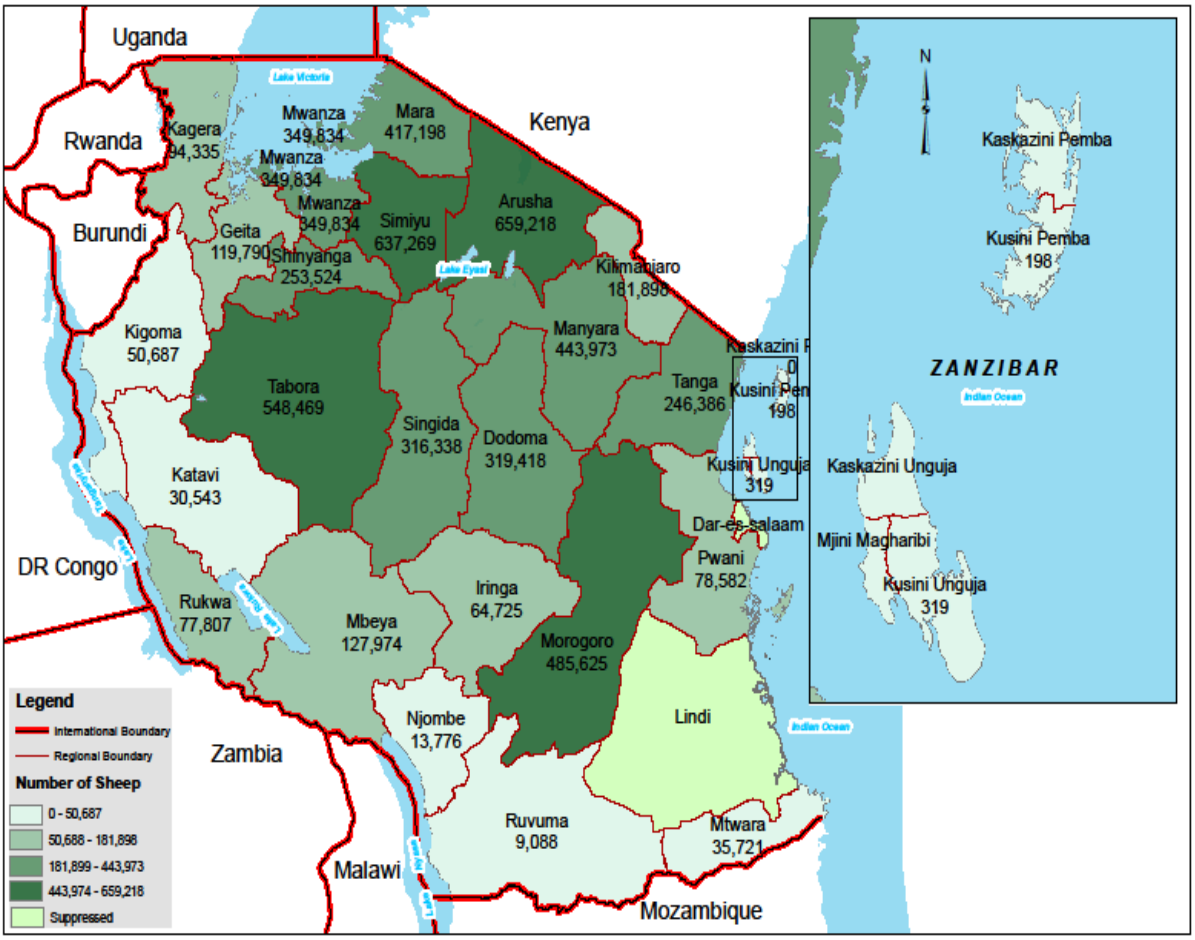


4.3 Sheep

Sheep is the third livestock type in terms of population after cattle and goat in both Tanzania Mainland and Zanzibar. A total of 1,070,902 operators were engaged in sheep keeping of whom 1,070,756 (99.99 percent) were in Tanzania Mainland and 42,937 (0.01 percent) in Zanzibar.

The total number of sheep in Tanzania was 5,565,986 of which 5,565,468 (99.9 percent) were in Tanzania Mainland and 517 (0.01 percent) in Zanzibar. In Tanzania Mainland, Arusha Region with 659,218 sheep (11.8 percent) had the highest number of sheep, followed by Simiyu (637,269; 11.5 percent) and Tabora (548,469; 9.9 percent). In Zanzibar, only two regions keep sheep; Kusini Unguja and Kusini Pemba with a total of 517 sheep.

Map 4.3: Sheep Population by Regions in Tanzania Mainland as of 1st October, 2017



4.4 Pigs

Pig rearing is mainly practiced in Tanzania Mainland in which there are 449,320 operators who were engaged in pig rearing. The total number of pigs was 1,952,801 (97.7 percent) from which Mbeya Region (713,063; 36 percent) had the highest number of pigs, followed by Tabora (117,178; 6 percent) and Ruvuma (116,689; 5.9 percent)

Figure 4.3: Distribution of Pigs by Category in Tanzania Mainland, 2016/17 AASS

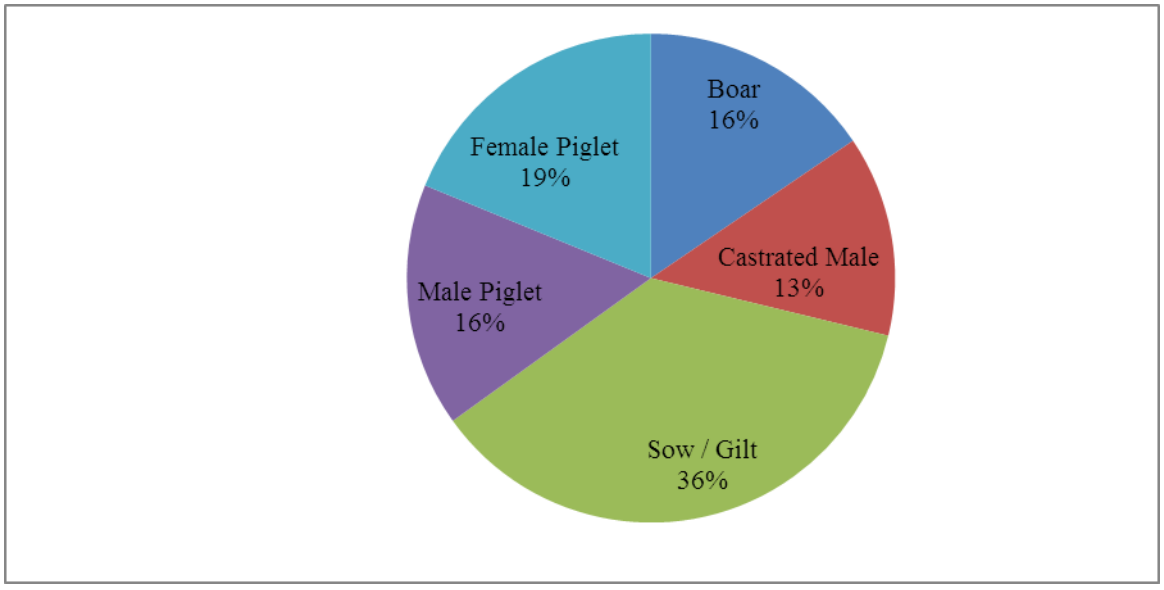
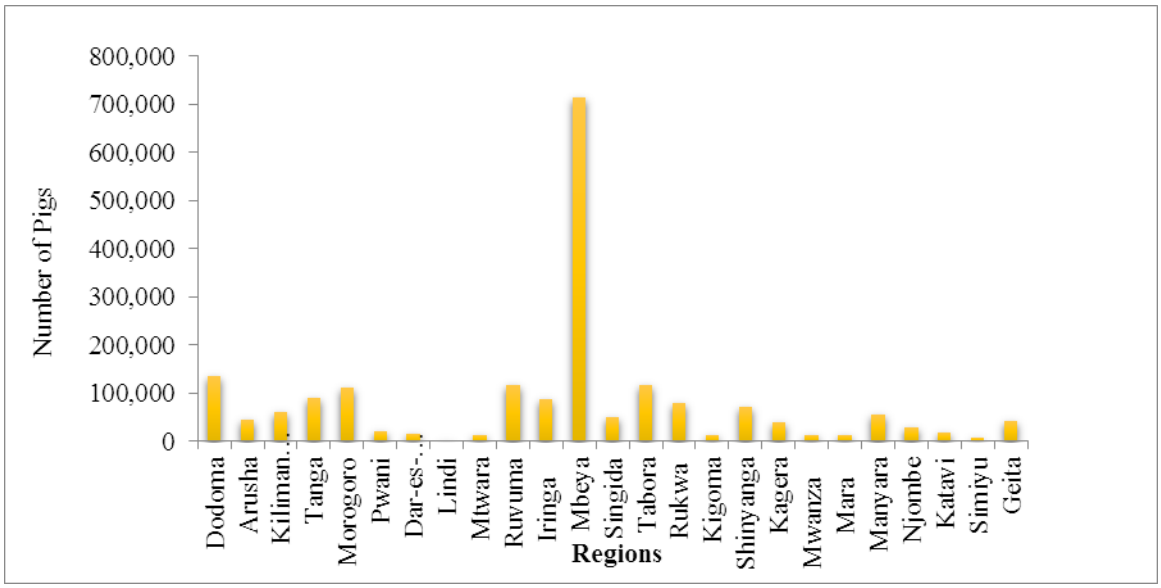


Figure 4.4: Pig Population by Region, Tanzania Mainland as of 1st October, 2017

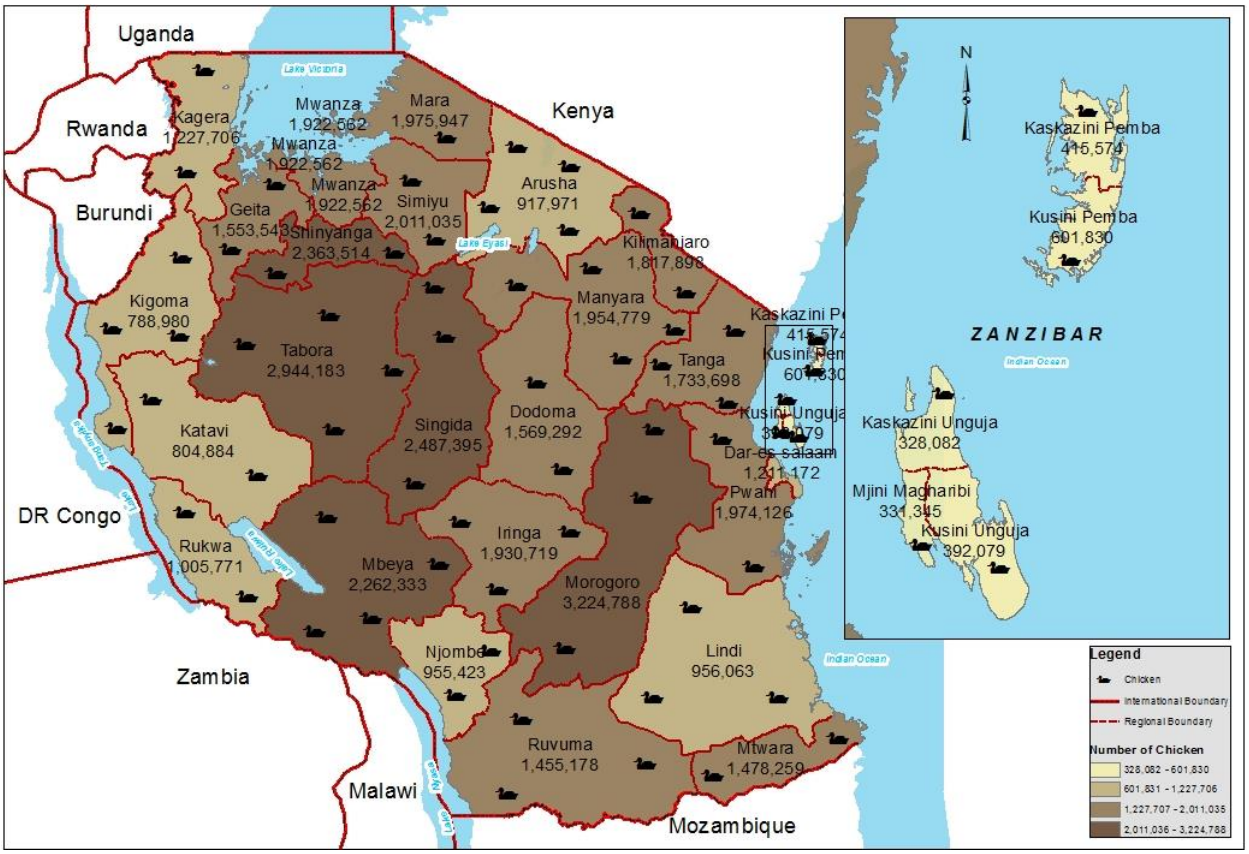


4.5 Chicken

In Tanzania number of indigenous chicken was 40,349,893 of which 38,595,106 (96 percent) were in Tanzania Mainland and 1,754,786 (4 percent) in Zanzibar. Tabora Region with 2,829,024 birds (7.3 percent) had the highest number of indigenous chicken, followed by Shinyanga (2,332,826; 6.0 percent) and Singida (2,184,743; 5.7 percent). In Zanzibar, Kusini

Pemba Region (590,498 birds 33.7 percent) had the highest number, followed by Kaskazini Pemba (415,574; 23.7 percent) and Kusini Unguja (35,893; 20.5 percent).

Map 4.4: Population of Indigenous Chicken by Region in Tanzania as of 1st October, 2017



4.6 Other Livestock

Other livestock captured during the survey included ducks, guinea pigs, turkeys, rabbits, donkeys and dogs. Compared to other types of livestock, dogs had the highest number (2,415,695) followed by ducks (1,934,131), donkey (580,238) and guinea pigs (565,278) (Table 3).

Table 3: Number of Other Livestock by Region and Type of Livestock as of 1st October 2017

Region	Ducks	Guinea Pigs	Turkey	Rabbits	Donkey	Dogs
Dodoma	30,236	-	-	2,115	31,083	99,411
Arusha	6,858	14,115	S	6,211	58,992	44,531
Kilimanjaro	31,298	-	12,269	16,160	17,874	53,548
Tanga	201,135	-	641	2,135	18,712	57,615
Morogoro	163,106	-	124,116	2,638	-	37,529
Pwani	89,720	-	-	-	936	26,224
Dar-es-salaam	178,111	-	48,968	1,303	-	7,266
Lindi	4,566	-	S	189	-	17,080
Mtwara	29,971	-	3,275	-	-	3,123
Ruvuma	12,404	3,694	3,913	2,040	-	16,345
Iringa	15,774	312,263	8,005	9,260	4,240	51,297
Mbeya	69,172	59	-	12,914	25,448	59,802
Singida	48,889	1,174	5,222	782	72,644	127,585
Tabora	80,596	-	-	1,579	41,262	266,864
Rukwa	39,796	5,660	S	25,113	16,120	45,797
Kigoma	2,234	-	-	2,271	-	105,450
Shinyanga	149,786	4,319	3,621	7,140	32,427	174,926
Kagera	53,560	-	-	20,069	1,725	39,389
Mwanza	170,800	7,803	2,925	2,555	17,531	516,703
Mara	144,387	-	-	10,789	24,653	213,939
Manyara	11,527	208	1696.0163	1,932	113,623	181,207
Njombe	18,416	210,949	-	19,468	14,415	5,158
Katavi	46,515	4,650	-	1,050	1672.5133	17,606
Simiyu	81,449	-	989	2,967	31,998	62,214
Geita	151,757	-	1,169	-	21,641	177,519
MAINLAND	**1,832,064**	**564,894**	**216,931**	**150,681**	**546,996**	**2,408,129**
Kaskazini Unguja	28,017	-	1,195	-	S	1,956
Kusini Unguja	11,097	385	-	2,344	-	1,979
Mjini Magharibi	19,647	-	681	5,554	-	1,756
Kaskazini Pemba	16,718	-	-	-	-	748
Kusini Pemba	26,587	-	418	-	S	1,127
ZANZIBAR	**102,066**	**385**	**2,294**	**7,898**	**85**	**7,567**
NATIONAL	**1,934,131**	**565,278**	**219,225**	**158,579**	**547,081**	**2,415,695**

APPENDICES

SHORT RAINY SEASON

Table 1: Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Maize							Paddy						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	19,202	8,210	6,369	10,000	1.6	1,303	651	S	S	S	S	S	S	S
Kilimanjaro	48,602	23,103	17,296	22,217	1.3	5,019	702	5,026	2,976	2,689	9,457	3.5	8,926	759
Tanga	142,693	104,367	62,962	54,337	0.9	17,576	521	1,427	492	333	1,102	3.3	337	200
Morogoro	24,830	25,141	24,874	39,084	1.6	11,141	389	3,830	2,302	2,302	5,563	2.4	2,953	500
Pwani	47,717	35,854	18,572	15,092	0.8	3,246	298	738	4,458	4,458	16,829	3.8	7,491	800
Dar-es-salaam	S	S	S	S	S	S	S	149	106	106	136	1.3	0	0
Lindi	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	1,727	1,221	1,198	2,162	1.8	15	775	536	775	775	554	0.7	303	500
Iringa	1,169	1,252	1,086	1,732	1.6	566	417	S	S	S	S	S	S	S
Mbeya	39,841	44,258	28,090	55,045	2.0	13,554	334	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	305,322	293,414	160,187	208,119	1.3	23,301	473	149,940	94,952	9,236	11,404	1.2	6,566	570
Rukwa	11,150	8,321	7,051	10,028	1.4	5,501	532	S	S	S	S	S	S	S
Kigoma	407,401	202,297	144,341	256,378	1.8	137,938	628	28,746	8,822	1,838	1,942	1.1	933	805
Shinyanga	251,894	218,513	138,874	89,642	0.6	4,711	597	123,599	146,773	76,158	73,926	1.0	14,012	1,281
Kagera	242,870	99,509	67,740	57,586	0.9	21,676	737	5,773	16,258	14,261	13,986	1.0	11,451	1,054
Mwanza	508,558	243,905	129,381	91,010	0.7	25,469	665	139,720	91,957	43,256	28,382	0.7	9,868	750
Mara	229,750	176,929	111,078	101,462	0.9	25,823	715	3,735	3,102	1,332	1,045	0.8	350	1,294
Manyara	23,046	39,927	39,757	58,397	1.5	19,848	485	-	-	-	-	-	-	-
Njombe	62,862	37,522	33,044	55,536	1.7	8,161	427	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	224,766	244,272	191,422	94,820	0.5	5,098	847	48,672	32,194	20,528	11,789	0.6	1,496	1,137
Geita	341,034	295,984	238,803	168,799	0.7	33,284	663	65,809	71,615	50,957	33,942	0.7	9,461	1,054
Mainland	**2,936,490**	**2,104,544**	**1,422,610**	**1,391,990**	**1.0**	**363,548**	**600**	**578,245**	**477,082**	**228,529**	**211,233**	**0.9**	**74,859**	**923**
Kaskazini-Unguja	3,914	771	750	1,345	1.8	918	615	3,187	1,185	1,185	1,060	0.9	0	0
Kusini Unguja	447	241	134	367	2.7	292	537	3,745	842	832	3,176	3.8	43	515
Mjini Magharibi	1,797	252	164	462	2.8	339	884	1,359	196	131	194	1.5	0	0
Kaskazini Pemba	1,327	458	409	572	1.4	280	685	1,703	265	265	214	0.8	0	0
Kusini Pemba	1,723	207	153	140	0.9	95	737	2,777	640	627	1,026	1.6	0	0
Zanzibar	**9,208**	**1,929**	**1,610**	**2,886**	**1.8**	**1,924**	**667**	**12,771**	**3,127**	**3,039**	**5,670**	**1.9**	**43**	**515**
Tanzania	**2,945,699**	**2,106,473**	**1,424,220**	**1,394,876**	**1.0**	**365,472**	**600**	**591,016**	**480,210**	**231,568**	**216,903**	**0.9**	**74,901**	**922**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data; (-) ==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators , Area Planted (ha) and Quantity Harvested (tons) during 2016/17 Agricultural Year -Short Rainy Season

Region	Sorghum							Bulrush Millet						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	1,412	286	286	85	0.3	0	0	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	167	554	521	269	0.5	0	0	-	-	-	-	-	-	-
Mbeya	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	45,606	24,644	20,076	20,539	1.0	2,724	650	S	S	S	S	S	S	S
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	12,215	2,159	604	171	0.3	0	0	13,958	3,530	3,530	2,303	0.7	837	750
Shinyanga	40,752	42,409	33,855	21,332	0.6	0	0	13,483	16,703	14,241	5,248	0.4	0	0
Kagera	3,199	1,417	728	464	0.6	149	963	161	167	167	32	0.2	0	0
Mwanza	74,596	32,648	21,447	8,741	0.4	397	510	5,762	6,176	4,104	2,347	0.6	191	500
Mara	67,334	41,052	29,774	16,305	0.5	3,142	1,064	1,133	302	302	360	1.2	0	0
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	68,260	63,565	56,103	38,417	0.7	480	828	S	S	S	S	S	S	S
Geita	26,932	11,505	9,380	8,169	0.9	773	702	S	S	S	S	S	S	S
Mainland	**342,841**	**221,287**	**173,663**	**114,943**	**0.7**	**7,750**	**829**	**38,235**	**27,854**	**23,026**	**11,032**	**0.5**	**1,029**	**703**
Kaskazini-Unguja	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini Pemba	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Kusini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	**189**	**25**	**21**	**11**	**0.5**	**1**	**2,000**	**456**	**119**	**86**	**77**	**0.9**	**20**	**700**
Tanzania	**343,030**	**221,312**	**173,685**	**114,954**	**0.7**	**7,751**	**829**	**38,691**	**27,973**	**23,112**	**11,108**	**0.5**	**1,049**	**703**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Finger Millet							Wheat						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	436	605	605	1,120	1.9	854	800
Kilimanjaro	S	S	S	S	S	S	S	53	220	35	83	2.3	83	700
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	6,217	2,516	2,516	398	0.2	398	1,250	-	-	-	-	-	-	-
Rukwa	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kigoma	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Shinyanga	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kagera	2,897	1,444	1,035	385	0.4	200	750	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	9,222	3,902	3,342	1,572	0.5	204	181	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	2,634	1,066	1,066	1,844	1.7	0	0	335	89	89	39	0.4	22	1,500
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	1,104	594	184	150	0.82	0	0	-	-	-	-	-	-	-
Mainland	**26,245**	**10,334**	**8,784**	**5,446**	**0.6**	**801**	**853**	**824**	**914**	**729**	**1,242**	**1.7**	**959**	**807**
Kaskazini-Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**26,245**	**10,334**	**8,784**	**5,446**	**0.6**	**801**	**853**	**824**	**914**	**729**	**1,242**	**1.7**	**959**	**807**

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Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Sweet Potatoes							Irish Potatoes						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	701	382	301	563	1.9	503	375
Kilimanjaro	-	-	-	-	-	-	-	1,684	452	200	910	4.6	622	932
Tanga	S	S	S	S	S	S	S	16,157	4,195	4,195	8,674	2.1	5,744	536
Morogoro	33	195	188	248	1.3	248	500	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	1,946	355	355	363	1.0	263	713	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	131	37	3	12	4.9	0	0
Mbeya	3,403	2,299	2,299	4,016	1.7	0	0	14,276	4,320	4,320	17,048	3.9	12,311	647
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	55,034	21,509	12,849	15,159	1.2	1,533	480	S	S	S	S	S	S	S
Rukwa	4,828	510	510	789	1.5	0	0	-	-	-	-	-	-	-
Kigoma	7,019	2,060	677	1,900	2.8	1,326	432	S	S	S	S	S	S	S
Shinyanga	30,275	13,237	8,275	10,161	1.2	7,627	401	1,144	742	524	86	0.2	0	0
Kagera	33,323	8,088	6,812	9,929	1.5	1,325	380	6,714	1,430	1,005	1,693	1.7	715	295
Mwanza	93,276	28,845	19,920	21,667	1.1	977	512	251	155	125	124	1.0	74	500
Mara	55,262	17,190	10,557	17,288	1.6	9,118	467	S	S	S	S	S	S	S
Manyara	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	17,939	9,661	8,743	40,202	4.6	32,827	360
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	92,904	30,951	27,294	26,849	1.0	124	280	-	-	-	-	-	-	-
Geita	48,038	17,756	14,747	20,489	1.4	2,368	387	S	S	S	S	S	S	S
Mainland	**426,254**	**143,093**	**104,577**	**128,873**	**1.2**	**24,911**	**437**	**64,239**	**22,526**	**19,918**	**69,678**	**3.5**	**52,936**	**452**
Kaskazini-Unguja	4,157	1,014	967	3,029	3.1	2,488	727	-	-	-	-	-	-	-
Kusini Unguja	2,004	484	483	1,806	3.7	1,344	417	-	-	-	-	-	-	-
Mjini Magharibi	1,464	268	244	556	2.3	383	709	-	-	-	-	-	-	-
Kaskazini Pemba	11,012	1,234	1,137	1,493	1.3	57	500	-	-	-	-	-	-	-
Kusini Pemba	249	105	73	65	0.9	36	689	-	-	-	-	-	-	-
Zanzibar	**18,885**	**3,106**	**2,904**	**6,948**	**2.4**	**4,307**	**626**	-	-	-	-	-	-	-
Tanzania	**445,139**	**146,199**	**107,481**	**135,821**	**1.3**	**29,218**	**465**	**64,239**	**22,526**	**19,918**	**69,678**	**3.5**	**52,936**	**452**

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Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Yams							Cocoyams						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	1,078	57	57	65	1.1	0	0
Tanga	-	-	-	-	-	-	-	663	67	67	17	0.2	0	0
Morogoro	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	4,617	467	467	739	1.6	739	700
Kigoma	S	S	S	S	S	S	S	103	21	21	27	1.3	0	0
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**1,163**	**281**	**281**	**316**	**1.1**	**83**	**1,000**	**8,028**	**731**	**616**	**851**	**1.4**	**743**	**701**
Kaskazini-Unguja	5,714	844	684	719	1.1	69	691	319	62	62	64	1.0	59	1,180
Kusini Unguja	903	124	117	311	2.7	103	1,144	1,673	337	314	426	1.4	261	897
Mjini Magharibi	1,084	84	80	138	1.7	90	1,056	S	S	S	S	S	S	S
Kaskazini Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kusini Pemba	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Zanzibar	**7,898**	**1,072**	**895**	**1,190**	**1.3**	**261**	**994**	**3,618**	**476**	**421**	**560**	**1.3**	**323**	**954**
Tanzania	**9,061**	**1,353**	**1,177**	**1,506**	**1.3**	**345**	**996**	**11,646**	**1,207**	**1,037**	**1,411**	**1.4**	**1,066**	**778**

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Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Beans						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	S	S	S	S	S	S	S
Arusha	15,095	5,861	4,452	4,131	0.9	1,228	1,040
Kilimanjaro	22,365	9,299	4,787	3,518	0.7	1,306	1,641
Tanga	32,646	6,626	6,305	2,907	0.5	643	1,042
Morogoro	3,809	717	717	606	0.8	493	1,350
Pwani	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-
Ruvuma	682	335	169	67	0.4	33	302
Iringa	231	80	80	123	1.5	71	1,500
Mbeya	7,365	2,672	2,411	2,134	0.9	837	1,180
Singida	-	-	-	-	-	-	-
Tabora	S	S	S	S	S	S	S
Rukwa	4,746	2,671	2,260	1,280	0.6	806	1,301
Kigoma	211,795	64,220	55,216	46,619	0.8	19,033	1,598
Shinyanga	34,347	5,710	3,481	823	0.2	177	1,062
Kagera	230,098	75,167	53,304	34,315	0.6	11,902	989
Mwanza	75,344	13,134	8,801	2,032	0.2	61	1,597
Mara	26,790	12,324	10,427	4,239	0.4	2,318	1,565
Manyara	3,818	2,723	2,373	1,160	0.5	669	1,478
Njombe	12,844	4,940	3,056	1,659	0.5	989	841
Katavi	-	-	-	-	-	-	-
Simiyu	9,271	3,601	2,446	595	0.2	24	2,000
Geita	158,974	63,866	44,508	15,958	0.4	2,360	1,239
Mainland	**860,912**	**278,382**	**207,985**	**122,860**	**0.6**	**43,645**	**1,356**
Kaskazini-Unguja	S	S	S	S	S	S	S
Kusini Unguja	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-
Kaskazini Pemba	-	-	-	-	-	-	-
Kusini Pemba	S	S	S	S	S	S	S
Zanzibar	**378**	**37**	**30**	**3**	**0.1**	**0**	**0**
Tanzania	**861,290**	**278,418**	**208,014**	**122,863**	**0.6**	**43,645**	**1,356**

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Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Cowpeas							Green gram						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kilimanjaro	2,969	503	451	162	0.4	56	472	5,405	1,446	1,318	574	0.4	195	1,566
Tanga	22,595	7,448	2,903	1,225	0.4	263	785	5,498	1,490	1,176	988	0.8	408	1,146
Morogoro	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Pwani	27,431	7,847	7,349	4,865	0.7	2,565	1,127	7,666	3,047	3,041	2,244	0.7	1,495	2,000
Dar-es-salaam	3,632	641	580	176	0.3	127	1,004	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	S	S	S	S	S	S	S	478	358	358	32	0.1	7	650
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	7,678	1,194	432	576	1.3	0	0	15,332	5,879	170	83	0.5	0	0
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Shinyanga	9,935	3,729	3,438	250	0.1	0	0	11,473	6,277	4,701	445	0.1	254	1,402
Kagera	337	80	80	29	0.4	0	0	-	-	-	-	-	-	-
Mwanza	8,686	2,098	1,636	429	0.3	0	0	78,574	29,705	17,120	7,998	0.5	1,752	1,252
Mara	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	19,161	5,835	4,221	1,113	0.3	35	564	91,230	36,702	31,705	10,140	0.3	3,503	1,190
Geita	14,630	5,379	3,557	610	0.2	51	845	3,177	1,457	1,121	211	0.2	135	1,200
Mainland	**127,916**	**36,175**	**25,939**	**9,785**	**0.4**	**3,109**	**1,068**	**220,006**	**86,816**	**61,070**	**22,734**	**0.4**	**7,750**	**1,374**
Kaskazini-Unguja	3,849	600	469	101	0.2	20	1,382	2,644	330	301	46	0.2	6	2,497
Kusini Unguja	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Mjini Magharibi	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Kaskazini Pemba	4,850	1,087	723	144	0.2	0	0	-	-	-	-	-	-	-
Kusini Pemba	5,929	1,249	1,039	182	0.2	4	1,208	401	72	72	7	0.1	0	444
Zanzibar	**14,747**	**2,959**	**2,247**	**429**	**0.2**	**25**	**1,351**	**3,169**	**419**	**383**	**54**	**0.1**	**6**	**2,398**
Tanzania	**142,663**	**39,134**	**28,186**	**10,215**	**0.4**	**3,133**	**1,070**	**223,175**	**87,236**	**61,454**	**22,789**	**0.4**	**7,756**	**1,375**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Chickpeas							Bambaranuts						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	12,275	5,468	3,722	234	0.1	0	0
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	2,519	3,480	2,843	499	0.2	72	2,117	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	2,914	592	592	873	1.5	0	0
Mwanza	7,514	4,955	3,470	2,299	0.7	1,163	1,335	6,667	1,712	1,594	375	0.2	0	0
Mara	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	1,023	1,319	1,057	834	0.8	225	1,122	-	-	-	-	-	-	-
Geita	S	S	S	S	S	S	S	4,459	829	708	139	0.2	0	0
Mainland	**11,371**	**10,065**	**7,680**	**3,762**	**0.5**	**1,564**	**1,383**	**27,524**	**9,250**	**7,265**	**1,932**	**0.3**	**66**	**1,000**
Kaskazini-Unguja	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kaskazini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-	**160**	**10**	**10**	**3**	**0.3**	**1**	**700**
Tanzania	**11,371**	**10,065**	**7,680**	**3,762**	**0.5**	**1,564**	**1,383**	**27,684**	**9,260**	**7,275**	**1,936**	**0.3**	**67**	**995**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Sunflower							Sesame						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	438	105	36	37	1.0	0	0	-	-	-	-	-	-	-
Kilimanjaro	11,136	1,779	1,346	637	0.5	14	233	S	S	S	S	S	S	S
Tanga	S	S	S	S	S	S	S	8,547	2,378	1,149	241	0.2	241	1,653
Morogoro	-	-	-	-	-	-	-	0	0	0	0	0.0	0	0
Pwani	-	-	-	-	-	-	-	16,216	22,447	22,442	1,434	0.1	1,434	1,663
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	556	639	525	86	0.2	40	557	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	2,532	3,431	3,340	1,281	0.4	1,279	1,254
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	18,010	44,099	13,629	3,694	0.3	3,018	755	4,393	17,232	17,232	1,643	0.1	1,629	1,250
Rukwa	237	177	143	64	0.4	32	579	S	S	S	S	S	S	S
Kigoma	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Shinyanga	4,162	3,163	943	344	0.4	24	700	S	S	S	S	S	S	S
Kagera	1,689	342	189	268	1.4	98	411	-	-	-	-	-	-	-
Mwanza	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mara	169	225	225	105	0.5	49	500	2,173	809	809	103	0.1	11	4,500
Manyara	10,500	14,286	14,286	8,141	0.6	8,097	391	-	-	-	-	-	-	-
Njombe	2,635	824	824	536	0.7	154	830	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	18,713	9,293	7,873	3,951	0.5	2,520	594	1,061	1,237	1,220	24	**0.0	0	0
Geita	3,818	2,026	2,026	875	0.4	674	395	323	126	121	30	0.2	0	0
Mainland	**79,774**	**80,037**	**43,627**	**19,111**	**0.4**	**14,763**	**508**	**38,269**	**49,848**	**46,350**	**4,774**	**0.1**	**4,612**	**1,408**
Kaskazini-Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**79,774**	**80,037**	**43,627**	**19,111**	**0.4**	**14,763**	**508**	**38,269**	**49,848**	**46,350**	**4,774**	**0.1**	**4,612**	**1,408**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

(**)==Zero due to rounding to whole number/one decimal point

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Watermelon							Okra						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Tanga	-	-	-	-	-	-	-	1,608	813	813	1,455	1.8	1,449	538
Morogoro	-	-	-	-	-	-	-	159	10	10	35	3.4	33	4,000
Pwani	5,339	7,773	7,732	22,605	2.9	22,605	1,103	6,069	2,058	2,058	9,599	4.7	8,640	2,485
Dar-es-salaam	2,896	1,211	978	11,671	11.9	11,656	1,043	1,553	396	396	511	1.3	458	532
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Iringa	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	1,841	1,275	566	1,352	2.4	1,352	238	S	S	S	S	S	S	S
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	3,267	1,657	46	341	7.4	341	700	-	-	-	-	-	-	-
Shinyanga	563	165	40	343	8.5	327	1,449	566	166	21	3	0.1	2	800
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mara	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	517	243	243	343	1.4	257	2,371	-	-	-	-	-	-	-
Geita	944	335	335	3,626	10.8	3,234	977	S	S	S	S	S	S	S
Mainland	**17,963**	**13,388**	**10,670**	**42,069**	**3.9**	**41,561**	**1,048**	**11,231**	**3,685**	**3,540**	**12,535**	**3.5**	**11,514**	**2,045**
Kaskazini-Unguja	1,132	584	581	7,057	12.2	6,737	828	1,101	150	150	324	2.2	292	464
Kusini Unguja	841	505	501	7,286	14.5	6,872	967	S	S	S	S	S	S	S
Mjini Magharibi	880	104	85	876	10.3	874	683	1,860	215	187	446	2.4	443	948
Kaskazini Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kusini Pemba	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Zanzibar	**2,985**	**1,220**	**1,194**	**15,734**	**13.2**	**14,998**	**875**	**3,369**	**422**	**394**	**950**	**2.4**	**900**	**751**
Tanzania	**20,948**	**14,609**	**11,864**	**57,803**	**4.9**	**56,560**	**1,002**	**14,599**	**4,107**	**3,933**	**13,485**	**3.4**	**12,414**	**1,951**

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(-)==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Onion							Tomatoes						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest(tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	4,846	2,062	2,062	13,669	6.6	13,669	573	-	-	-	-	-	-	-
Arusha	1,178	820	820	5,144	6.3	5,078	1,066	S	S	S	S	S	S	S
Kilimanjaro	965	1,407	1,407	6,630	4.7	6,630	817	3,793	2,098	1,807	6,940	3.8	6,930	1,278
Tanga	S	S	S	S	S	S	S	5,070	926	571	2,171	3.8	1,964	558
Morogoro	6,307	6,272	6,272	43,570	6.9	43,063	285	29,777	9,897	9,780	82,908	8.5	81,046	558
Pwani	S	S	S	S	S	S	S	5,233	731	285	477	1.7	468	2,000
Dar-es-salaam	-	-	-	-	-	-	-	200	55	47	175	3.7	150	656
Lindi	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Iringa	218	87	87	501	5.8	501	952	639	199	181	865	4.8	865	193
Mbeya	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	2,789	1,228	1,228	6,333	5.2	6,333	618	937	522	519	662	1.3	660	789
Rukwa	5,320	538	538	414	0.8	409	674	639	80	80	174	2.2	174	548
Kigoma	S	S	S	S	S	S	S	5,439	2,321	2,321	1,521	0.7	178	281
Shinyanga	514	166	166	263	1.6	263	1,188	10,014	1,369	1,369	3,818	2.8	2,146	1,235
Kagera	S	S	S	S	S	S	S	422	326	288	190	0.7	166	1,000
Mwanza	S	S	S	S	S	S	S	1,761	582	570	2,664	4.7	2,598	337
Mara	188	19	19	75	4.0	75	1,100	5,847	1,031	484	587	1.2	564	2,063
Manyara	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	2,436	430	312	1,642	5.3	1,642	440
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	S	S	S	S	S	S	S	97	28	28	89	3.2	67	1,492
Geita	1,586	300	300	524	1.7	524	242	4,431	944	944	3,116	3.3	2,904	791
Mainland	**34,959**	**14,944**	**14,874**	**89,005**	**6.0**	**84,875**	**575**	**82,591**	**23,636**	**21,606**	**110,590**	**5.1**	**104,754**	**641**
Kaskazini-Unguja	-	-	-	-	-	-	-	3,806	565	458	1,064	2.3	919	670
Kusini Unguja	-	-	-	-	-	-	-	1,058	242	241	1,639	6.8	1,589	976
Mjini Magharibi	S	S	S	S	S	S	S	1,334	447	363	2,161	6.0	2,133	1,191
Kaskazini Pemba	-	-	-	-	-	-	-	1,059	159	159	220	1.4	191	692
Kusini Pemba	-	-	-	-	-	-	-	428	98	98	377	3.9	325	633
Zanzibar	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**7,684**	**1,511**	**1,319**	**5,461**	**4.1**	**5,157**	**978**
Tanzania	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**90,275**	**25,147**	**22,925**	**116,051**	**5.1**	**109,910**	**657**

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Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Eggplant							Cabbage						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	540	56	56	88	1.6	119	1,264
Tanga	-	-	-	-	-	-	-	1,342	137	137	377	2.8	332	416
Morogoro	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	361	112	112	2,328	20.7	2,328	194
Kigoma	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Shinyanga	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kagera	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mwanza	-	-	-	-	-	-	-	1,731	281	207	1,697	8.2	530	344
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	467	32	0	0	0.0	0	0
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	12	2	2	7	2.8	7	366
Geita	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mainland	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**9,506**	**2,044**	**626**	**4,886**	**7.8**	**3,683**	**761**
Kaskazini-Unguja	1,060	109	109	350	3.2	343	1,723	-	-	-	-	-	-	-
Kusini Unguja	1,005	477	410	4,218	10.3	2,984	681	S	S	S	S	S	S	S
Mjini Magharibi	1,213	285	275	1,110	4.0	1,106	606	S	S	S	S	S	S	S
Kaskazini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Pemba	77	12	12	45	3.9	41	666	-	-	-	-	-	-	-
Zanzibar	**3,354**	**884**	**805**	**5,723**	**7.1**	**4,474**	**742**	**126**	**15**	**7**	**26**	**3.9**	**26**	**800**
Tanzania	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**9,632**	**2,059**	**633**	**4,912**	**7.8**	**3,710**	**761**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Spinach							Amaranths						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	S	S	S	S	S	S	S	158	64	63	125	2.0	125	300
Kilimanjaro	586	76	76	117	1.5	105	505	1,589	203	118	124	1.0	112	775
Tanga	658	51	51	178	3.5	155	928	23,112	8,431	8,431	18,663	2.2	17,738	399
Morogoro	159	10	10	6	0.6	4	200	187	15	15	6	0.4	3	267
Pwani	553	101	101	52	0.5	44	2,921	6,125	490	490	17	0.0	17	3,138
Dar-es-salaam	264	96	96	21	0.2	19	500	295	103	103	118	1.2	115	498
Lindi	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	307	50	3	6	1.9	3	200	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	542	65	65	339	5.2	187	512
Kigoma	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Shinyanga	4,367	442	442	172	0.4	171	300	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mwanza	398	63	63	778	12.4	0	0	3,920	648	574	1,189	2.1	330	436
Mara	4,110	832	832	57	0.1	57	343	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	404	74	74	29	0.4	15	369	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mainland	**13,034**	**1,850**	**1,803**	**1,747**	**1.0**	**879**	**718**	**41,566**	**12,127**	**11,879**	**21,201**	**1.8**	**19,236**	**397**
Kaskazini Unguja	-	-	-	-	-	-	-	2,065	168	167	217	1.3	160	493
Kusini Unguja	-	-	-	-	-	-	-	375	64	64	82	1.3	73	522
Mjini Magharibi	-	-	-	-	-	-	-	1,051	83	66	91	1.4	80	702
Kaskazini Pemba	-	-	-	-	-	-	-	166	22	22	4	0.2	4	813
Kusini Pemba	-	-	-	-	-	-	-	1,557	247	247	262	1.1	218	968
Zanzibar	-	-	-	-	-	-	-	**5,214**	**585**	**566**	**656**	**1.2**	**535**	**724**
Tanzania	**13,034**	**1,850**	**1,803**	**1,747**	**1.0**	**879**	**718**	**46,781**	**12,712**	**12,446**	**21,857**	**1.8**	**19,771**	**406**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Groundnuts							Pumpkins						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	3,792	325	293	309	1.1	83	2,500	S	S	S	S	S	S	S
Tanga	S	S	S	S	S	S	S	357	62	19	64	3.4	0	0
Morogoro	-	-	-	-	-	-	-	159	52	15	68	4.4	8	200
Pwani	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Lindi	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	26,183	11,229	9,137	6,027	0.7	255	700	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	133,463	62,507	37,352	18,607	0.5	6,365	937	-	-	-	-	-	-	-
Rukwa	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kigoma	73,600	15,576	9,805	6,057	0.6	1,945	958	-	-	-	-	-	-	-
Shinyanga	41,821	28,770	26,256	7,704	0.3	2,339	1,475	-	-	-	-	-	-	-
Kagera	37,384	6,513	4,896	2,645	0.5	910	865	-	-	-	-	-	-	-
Mwanza	41,753	13,151	5,684	1,568	0.3	104	357	-	-	-	-	-	-	-
Mara	10,777	2,567	1,910	1,287	0.7	736	994	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	2,860	670	137	147	1.1	118	385	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	48,883	14,942	11,976	3,374	0.3	76	1,161	-	-	-	-	-	-	-
Geita	111,372	51,318	42,591	15,222	0.4	3,755	1,389	-	-	-	-	-	-	-
Mainland	**535,018**	**209,647**	**151,969**	**64,986**	**0.4**	**17,126**	**1,110**	**1,455**	**167**	**87**	**153**	**1.8**	**8**	**200**
Kaskazini Unguja	S	S	S	S	S	S	S	711	162	152	420	2.8	275	813
Kusini Unguja	-	-	-	-	-	-	-	519	106	105	163	1.6	124	647
Mjini Magharibi	S	S	S	S	S	S	S	214	29	21	73	3.5	28	572
Kaskazini Pemba	240	69	61	20	0.3	0	0	546	106	106	182	1.7	87	556
Kusini Pemba	2,610	270	203	74	0.4	48	2,497	-	-	-	-	-	-	-
Zanzibar	**3,604**	**429**	**305**	**120**	**0.4**	**48**	**2,497**	**1,991**	**403**	**384**	**838**	**2.2**	**514**	**716**
Tanzania	**538,623**	**210,076**	**152,273**	**65,106**	**0.4**	**17,174**	**1,114**	**3,445**	**570**	**471**	**992**	**2.1**	**522**	**708**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Cotton							Tobacco						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	831	239	239	333	1.4	333	2,932
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	4,277	7,425	7,425	6,385	0.9	4,038	5,433
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	7,029	6,124	639	97	0.2	97	1,200	20,399	16,350	15,660	18,496	1.2	10,509	4,843
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	-	-	-	-	-	-	-	5,111	5,844	5,467	8,148	1.5	8,148	2,313
Shinyanga	38,892	58,304	40,943	34,647	0.8	34,548	1,191	6,376	8,351	8,351	11,487	1.4	3,632	4,498
Kagera	500	288	288	352	1.2	352	1,126	-	-	-	-	-	-	-
Mwanza	51,797	33,240	24,449	13,150	0.5	13,147	1,083	-	-	-	-	-	-	-
Mara	12,647	10,640	7,386	2,742	0.4	1,573	1,172	362	497	497	579	1.2	579	1,000
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	137,649	159,338	151,816	84,674	0.6	79,495	1,181	-	-	-	-	-	-	-
Geita	59,395	50,248	41,909	22,278	0.5	22,047	1,172	-	-	-	-	-	-	-
Mainland	**307,908**	**318,183**	**267,431**	**157,940**	**0.6**	**151,259**	**1,174**	**37,356**	**38,707**	**37,639**	**45,429**	**1.2**	**27,239**	**4,023**
Kaskazini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**307,908**	**318,183**	**267,431**	**157,940**	**0.6**	**151,259**	**1,174**	**37,356**	**38,707**	**37,639**	**45,429**	**1.2**	**27,239**	**4,023**

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Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Cucumber							Chilis						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	329	33	33	7	**0.0	7	60
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	4,898	3,873	3,867	13,351	3.5	13,335	2,820
Dar-es-salaam	320	151	127	387	3.0	321	439	244	130	130	270	2.1	270	1,187
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	S	S	S	S	S	S	S	84	8	8	8	1.0	8	400
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	S	S	S	S	S	S	S	430	54	21	32	1.5	24	50
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	4	1	1	11	7.4	11	625
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**601**	**212**	**189**	**716**	**3.8**	**650**	**1,055**	5,989	4,100	4,061	13,680	3.4	13,655	2,778
Kaskazini Unguja	668	183	118	283	2.4	272	433	189	38	38	57	1.5	57	700
Kusini Unguja	75	28	28	78	2.8	74	384	275	55	54	117	2.1	107	938
Mjini Magharibi	794	128	94	726	7.7	716	590	807	146	118	447	3.8	341	928
Kaskazini Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kusini Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Zanzibar	**1,630**	**350**	**250**	**1,153**	**4.6**	**1,122**	**529**	1,272	240	211	620	2.9	505	905
Tanzania	**2,231**	**563**	**439**	**1,869**	**4.3**	**1,772**	**722**	7,261	4,340	4,272	14,300	3.3	14,160	2,711

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Table 1 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year -Short Rainy Season

Region	Carrot							Ginger						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	697	173	128	1,106	8.7	1,103	663	2,492	1,600	895	4,014	4.5	2,934	632
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**697**	**173**	**128**	**1,106**	**8.7**	**1,103**	**663**	**2,492**	**1,600**	**895**	**4,014**	**4.5**	**2,934**	**632**

Region	Field peas							Fiwi						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	3,554	701	154	97	0.6	83	1,076	936	655	155	38	0.2	15	845
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**3,554**	**701**	**154**	**97**	**0.6**	**83**	**1,076**	**936**	**655**	**155**	**38**	**0.2**	**15**	**845**

Region	Soybeans						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	1,609	464	408	184	0.5	170	883
Zanzibar	-	-	-	-	-	-	-
Tanzania	**1,609**	**464**	**408**	**184**	**0.5**	**170**	**883**

(-)==insufficient data available from survey

LONG RAINY SEASON

Table 2: Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Maize							Paddy						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tonnes)	Yield (tonnes/ha)	Quantity Sold (tonnes)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tonnes)	Yield (tonnes/ha)	Quantity Sold (tonnes)	Average Price (Tsh/kg))
Dodoma	325,492	377,233	308,588	233,172	0.8	30,373	414	4,406	6,371	2,350	2,826	1.2	71	500
Arusha	118,120	91,473	53,895	76,384	1.4	12,284	619	-	-	-	-	-	-	-
Kilimanjaro	131,915	63,844	58,934	81,846	1.4	13,011	627	3,459	3,459	3,430	11,464	3.3	10,558	1,112
Tanga	338,605	390,315	351,655	501,185	1.4	136,972	368	8,282	7,972	7,701	12,930	1.7	3,608	938
Morogoro	131,257	151,256	147,389	206,294	1.4	26,412	471	140,154	219,562	205,637	326,716	1.6	81,754	632
Pwani	183,173	92,824	81,392	111,321	1.4	17,827	543	130,782	76,014	69,611	93,519	1.3	13,743	670
Dar-es-salaam	9,772	2,186	1,916	1,494	0.8	195	865	10,877	3,867	3,712	5,120	1.4	1,367	794
Lindi	149,715	75,466	68,018	65,277	1.0	17,289	1,053	54,454	38,854	37,468	37,859	1.0	12,513	1,541
Mtwara	235,485	117,288	113,313	84,678	0.7	11,517	774	42,861	15,012	13,163	8,053	0.6	1,652	899
Ruvuma	196,530	167,575	156,007	311,728	2.0	78,425	547	40,760	23,127	22,862	24,746	1.1	18,813	751
Iringa	107,270	111,824	99,480	161,485	1.6	27,099	549	3,418	1,635	1,443	4,617	3.2	2,485	1,413
Mbeya	300,580	331,541	306,850	523,185	1.7	119,595	414	123,093	154,533	112,962	246,649	2.2	159,956	893
Singida	261,018	309,273	293,649	289,075	1.0	54,872	520	26,261	37,167	32,088	15,015	0.5	2,953	1,321
Tabora	463,838	396,927	363,998	343,223	0.9	43,779	612	175,284	153,751	97,494	159,746	1.6	97,479	516
Rukwa	140,927	177,319	174,324	327,548	1.9	107,428	430	13,199	12,885	11,825	30,035	2.5	17,832	851
Kigoma	175,498	95,619	83,447	132,118	1.6	40,424	774	19,136	11,611	11,420	30,915	2.7	5,559	874
Shinyanga	73,541	82,946	57,688	54,006	0.9	4,094	965	61,279	66,216	24,590	32,120	1.3	12,535	1,493
Kagera	143,368	48,106	36,010	27,101	0.8	9,957	724	10,256	11,812	10,071	5,120	0.5	1,941	1,332
Mwanza	185,315	88,214	55,699	52,226	0.9	28,443	721	57,948	38,206	23,366	19,149	0.8	9,774	664
Mara	192,962	155,701	110,511	114,258	1.0	28,397	916	9,069	7,351	3,033	2,300	0.8	1,100	1,151
Manyara	307,375	381,012	327,690	385,416	1.2	51,918	470	S	S	S	S	S	S	S
Njombe	114,403	97,444	95,305	167,514	1.8	26,878	612	S	S	S	S	S	S	S
Katavi	78,384	71,972	70,271	82,731	1.2	10,953	720	17,534	20,058	19,918	46,862	2.4	18,389	756
Simiyu	43,421	44,796	32,961	14,035	0.4	57	600	18,445	9,252	6,004	5,965	1.0	0	0
Geita	61,615	35,735	24,706	20,572	0.8	4,104	631	44,588	34,650	21,297	20,330	1.0	11,445	978
Mainland	**4,469,579**	**3,957,889**	**3,473,696**	**4,367,873**	**1.3**	**902,300**	**529**	**1,018,879**	**954,914**	**741,612**	**1,142,724**	**1.5**	**486,180**	**797**
Kaskazini Unguja	6,319	1,582	1,383	2,066	1.5	1,058	687	8,218	2,999	2,872	3,322	1.2	47	1,458

Kusini Unguja	1,346	288	271	395	1.5	214	330	7,672	3,392	2,505	6,814	2.7	538	1,616
Mjini Magharibi	161	64	64	117	1.8	33	1,000	4,176	775	760	1,629	2.1	200	944
Kaskazini Pemba	7,481	1,550	1,478	1,527	1.0	240	569	25,447	5,718	5,316	4,517	0.8	0	0
Kusini Pemba	559	150	111	129	1.2	56	604	21,452	7,555	7,275	6,886	0.9	0	0
Zanzibar	15,866	3,634	3,306	4,234	1.3	1,601	625	**66,965**	**20,440**	**18,729**	**23,167**	**1.2**	**785**	**1,436**
Tanzania	**4,485,445**	**3,961,523**	**3,477,002**	**4,372,108**	**1.3**	**903,901**	**529**	**1,085,844**	**975,354**	**760,341**	**1,165,891**	**1.5**	**486,965**	**798**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Sorghum							Bulrush Millet						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tonnes)	Yield (tonnes/ha)	Quantity Sold (tonnes)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tonne)	Yield (tonnes/ha)	Quantity Sold (tonnes)	Average Price (Tsh/KG)
Dodoma	237,926	257,690	220,093	133,976	0.6	14,777	481	119,346	123,788	116,654	43,800	0.4	2,851	638
Arusha	3,307	1,358	1,358	872	0.6	65	683	-	-	-	-	-	-	-
Kilimanjaro	966	101	101	86	0.8	63	400	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	7,127	10,204	9,997	7,508	0.8	0	0	-	-	-	-	-	-	-
Pwani	44,019	11,788	11,315	11,759	1.0	0	0	-	-	-	-	-	-	-
Dar-es-salaam	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Lindi	43,098	21,092	19,276	21,497	1.1	65	1,434	-	-	-	-	-	-	-
Mtwara	23,228	6,766	6,436	3,847	0.6	0	0	-	-	-	-	-	-	-
Ruvuma	1,544	620	607	34	0.1	8	875	-	-	-	-	-	-	-
Iringa	3,813	3,817	3,575	1,396	0.4	114	391	-	-	-	-	-	-	-
Mbeya	20,924	25,346	23,875	28,931	1.2	2,330	467	-	-	-	-	-	-	-
Singida	103,037	98,263	93,807	65,533	0.7	4,303	618	64,052	58,834	56,182	34,836	0.6	698	415
Tabora	32,880	32,612	29,312	15,819	0.5	2,582	314	4,747	4,037	3,673	10,294	2.8	3,024	1,492
Rukwa	5,637	4,838	4,389	3,177	0.7	360	416	-	-	-	-	-	-	-
Kigoma	8,324	2,115	2,045	1,054	0.5	536	948	-	-	-	-	-	-	-
Shinyanga	33,848	20,612	13,375	7,993	0.6	2,375	1,067	26,825	8,171	3,806	779	0.2	0	0
Kagera	10,434	5,023	2,801	1,316	0.5	323	1,353	S	S	S	S	S	S	S
Mwanza	41,318	21,267	14,134	6,723	0.5	1,406	469	1,929	2,067	1,267	2,418	1.9	191	500

Mara	51,367	28,273	24,194	10,298	0.4	1,478	1,299	1,255	351	351	264	0.8	0	0
Manyara	33,863	21,415	20,635	13,412	0.6	4,023	432	-	-	-	-	-	-	-
Njombe	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Katavi	3,152	3,407	3,407	4,033	1.2	75	900	-	-	-	-	-	-	-
Simiyu	13,905	13,055	12,177	3,751	0.3	90	800	-	-	-	-	-	-	-
Geita	41,120	23,199	17,221	6,742	0.4	1,898	521	S	S	S	S	S	S	S
Mainland	**765,911**	**612,997**	**534,247**	**349,863**	**0.7**	**36,870**	**569**	**219,116**	**198,003**	**182,688**	**92,444**	**0.5**	**6,765**	**993**
Kaskazini-Unguja	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Kusini Unguja	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini-Pemba	2,735	640	483	246	0.5	0	0	S	S	S	S	S	S	S
Kusini-Pemba	233	33	29	2	0.1	0	0	-	-	-	-	-	-	-
Zanzibar	3,546	733	539	262	0.5	0	0	**238**	**38**	**38**	**52**	**1.4**	**0**	**0**
Tanzania	**769,457**	**613,731**	**534,786**	**350,125**	**0.7**	**36,870**	**569**	**219,355**	**198,040**	**182,726**	**92,496**	**0.5**	**6,765**	**993**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Finger Millet							Wheat						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	7,715	2,781	1,817	754	0.4	455	745	-	-	-	-	-	-	-
Arusha	765	286	250	43	0.2	0	0	1,235	3,286	3,219	7,101	2.2	6,564	969
Kilimanjaro	2,565	695	663	376	0.6	28	1,000	S	S	S	S	S	S	S
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	7,949	3,287	3,147	5,778	1.8	89	1,250	2,006	689	689	476	0.7	164	404
Iringa	1,170	444	444	117	0.3	0	0	1,477	877	864	1,243	1.4	55	776
Mbeya	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Singida	7,002	5,000	5,000	2,978	0.6	1,677	799	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	8,602	5,378	4,242	5,682	1.3	2,071	558	7,036	4,131	3,857	3,382	0.9	2,519	835
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	590	183	183	86	0.5	0	0	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	5,821	2,462	2,421	478	0.2	54	1,143	-	-	-	-	-	-	-
Manyara	2,873	478	478	79	0.2	0	0	633	6,198	5,538	6,589	1.2	5,745	676
Njombe	817	446	446	333	0.7	142	1,800	16,578	5,217	4,192	3,967	0.9	503	1,107
Katavi	357	158	158	78	0.5	20	1,692	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mainland	**47,841**	**22,029**	**19,476**	**17,282**	**0.9**	**4,690**	**739**	**29,429**	**20,879**	**18,841**	**23,143**	**1.2**	**15,906**	**832**
Kaskazini-Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**47,841**	**22,029**	**19,476**	**17,282**	**0.9**	**4,690**	**739**	**29,429**	**20,879**	**18,841**	**23,143**	**1.2**	**15,906**	**832**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Sweet Potatoes							Irish Potatoes						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	8,988	3,839	3,569	4,040	1.1	3,603	258	337	110	110	138	1.3	55	270
Arusha	S	S	S	S	S	S	S	439	248	190	941	4.9	941	466
Kilimanjaro	385	64	39	107	2.7	0	0	1,176	376	368	1,614	4.4	1,519	797
Tanga	4,300	711	639	1,054	1.6	12	1,000	16,987	4,131	2,650	4,048	1.5	1,685	444
Morogoro	10,808	6,212	6,212	5,120	0.8	2,711	382	S	S	S	S	S	S	S
Pwani	59,834	13,389	12,589	12,936	1.0	1,742	599	S	S	S	S	S	S	S
Dar-es-salaam	7,355	2,069	1,842	2,812	1.5	2,179	520	-	-	-	-	-	-	-
Lindi	123	47	38	59	1.6	59	1,922	S	S	S	S	S	S	S
Mtwara	2,478	537	537	1,189	2.2	62	1,000	-	-	-	-	-	-	-
Ruvuma	1,884	581	525	1,415	2.7	1,104	551	-	-	-	-	-	-	-
Iringa	671	179	160	189	1.2	81	446	7,818	2,404	2,368	7,867	3.3	7,203	733
Mbeya	11,777	5,609	4,612	11,132	2.4	6,820	704	32,970	14,117	14,117	51,752	3.7	48,955	548
Singida	17,209	6,900	6,504	7,906	1.2	2,791	559	S	S	S	S	S	S	S
Tabora	185,631	53,959	44,516	24,680	0.6	802	312	629	145	145	492	3.4	0	0
Rukwa	4,281	2,081	1,954	2,842	1.5	1,855	642	1,052	544	461	454	1.0	325	616
Kigoma	14,119	5,698	5,698	6,277	1.1	1,691	592	3,193	436	436	547	1.3	493	650
Shinyanga	28,380	8,484	2,173	1,933	0.9	216	1,000	S	S	S	S	S	S	S
Kagera	61,609	9,869	9,253	13,764	1.5	2,674	671	8,413	1,355	1,355	3,427	2.5	748	770
Mwanza	80,095	24,070	18,131	13,363	0.7	0	0	879	622	30	44	1.5	0	0
Mara	31,570	11,318	10,018	13,758	1.4	5,892	497	-	-	-	-	-	-	-
Manyara	5,020	626	418	1,926	4.6	553	420	1,365	848	848	3,201	3.8	3,111	634
Njombe	S	S	S	S	S	S	S	30,336	17,066	13,080	50,445	3.9	42,883	501
Katavi	16,705	3,454	3,383	5,367	1.6	284	481	-	-	-	-	-	-	-
Simiyu	23,953	7,579	5,646	9,128	1.6	297	800	-	-	-	-	-	-	-
Geita	35,636	13,546	11,003	9,126	0.8	762	516	S	S	S	S	S	S	S
Mainland	**614,519**	**181,136**	**149,601**	**150,137**	**1.0**	**36,191**	**545**	**109,459**	**43,816**	**37,525**	**125,602**	**3.3**	**107,958**	**547**
Kaskazini-Unguja	5,581	1,401	934	1,724	1.8	962	488	S	S	S	S	S	S	S
Kusini Unguja	1,351	639	595	1,710	2.9	1,400	457	-	-	-	-	-	-	-
Mjini Magharibi	318	84	79	184	2.3	125	808	-	-	-	-	-	-	-
Kaskazini-Pemba	8,800	1,934	1,603	2,777	1.7	1,086	570	-	-	-	-	-	-	-
Kusini-Pemba*	614	83	5	10	1.8	0	200	-	-	-	-	-	-	-
Zanzibar	**16,663**	**4,140**	**3,217**	**6,405**	**2.0**	**3,572**	**512**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Tanzania	**631,182**	**185,276**	**152,818**	**156,542**	**1.0**	**39,763**	**542**	**S**	**S**	**S**	**S**	**S**	**S**	**S**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

(*)==Zero due to rounding rules

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Yams							Cocoyams						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	1,801	103	92	122	1.3	23	800
Tanga	-	-	-	-	-	-	-	420	67	67	86	1.3	39	150
Morogoro	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	6,365	1,545	1,545	1,629	1.1	1,629	344
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	7,953	1,382	353	438	1.2	133	175
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**1,839**	**734**	**365**	**741**	**2.0**	**733**	**569**	**16,817**	**3,112**	**2,072**	**2,292**	**1.1**	**1,827**	**334**
Kaskazini-Unguja	810	137	118	334	2.8	29	813	1,061	52	7	7	1.0	4	800
Kusini Unguja	S	S	S	S	S	S	S	218	53	47	7	0.1	4	800
Mjini Magharibi	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kaskazini-Pemba	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Kusini-Pemba	-	-	-	-	-	-	-	364	18	0	0	0.0	0	0
Zanzibar	**1,003**	**169**	**137**	**351**	**2.6**	**39**	**773**	**2,408**	**180**	**80**	**38**	**0.5**	**19**	**619**
Tanzania	**2,842**	**903**	**501**	**1,092**	**2.2**	**772**	**579**	**19,224**	**3,292**	**2,152**	**2,331**	**1.1**	**1,846**	**337**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Beans						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	36,448	25,284	24,947	8,339	0.3	6,155	1,497
Arusha	48,928	26,550	20,173	16,308	0.8	5,965	1,099
Kilimanjaro	72,291	18,359	15,159	8,898	0.6	2,262	1,328
Tanga	81,427	36,262	31,597	30,992	1.0	6,389	1,325
Morogoro	9,332	5,028	4,582	2,174	0.5	1,720	1,477
Pwani	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-
Lindi	S	S	S	S	S	S	S
Mtwara	-	-	-	-	-	-	-
Ruvuma	59,186	32,377	28,945	23,221	0.8	11,419	2,414
Iringa	32,807	11,208	10,656	7,158	0.7	2,279	1,506
Mbeya	81,706	25,270	24,492	16,640	0.7	4,613	1,269
Singida	8,893	5,070	5,067	1,618	0.3	912	2,446
Tabora	22,506	9,079	4,675	991	0.2	276	1,363
Rukwa	48,393	37,677	34,795	18,628	0.5	9,743	1,019
Kigoma	110,707	35,533	32,373	25,193	0.8	6,556	1,678
Shinyanga	2,927	2,007	1,646	81	0.0	0	0
Kagera	151,633	48,975	35,369	23,753	0.7	11,288	848
Mwanza	35,371	4,882	2,425	967	0.4	468	1,237
Mara	19,132	6,221	5,500	2,776	0.5	497	1,483
Manyara	210,755	94,844	90,657	51,486	0.6	19,652	1,263
Njombe	22,809	14,086	12,726	7,385	0.6	1,840	1,178
Katavi	13,056	6,256	5,684	3,332	0.6	684	1,270
Simiyu	S	S	S	S	S	S	S
Geita	13,824	8,319	5,507	5,880	1.1	5,200	1,041
Mainland	**1,084,317**	**454,113**	**397,737**	**256,030**	**0.6**	**97,919**	**1,372**
Kaskazini-Unguja	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-
Kaskazini-Pemba	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-
Tanzania	**1,084,317**	**454,113**	**397,737**	**256,030**	**0.6**	**97,919**	**1,372**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Cowpeas							Green grams						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	6,289	1,730	944	50	0.1	0	0	3,281	5,114	4,691	579	0.1	509	1,087
Arusha	1,142	310	278	131	0.5	21	1,200	2,114	1,334	1,212	440	0.4	217	1,440
Kilimanjaro	4,871	769	671	197	0.3	46	482	8,197	3,095	3,034	4,222	1.4	3,755	962
Tanga	43,845	11,151	8,614	2,242	0.3	842	692	12,820	5,164	2,700	1,694	0.6	1,049	1,398
Morogoro	5,362	1,568	1,568	489	0.3	35	550	S	S	S	S	S	S	S
Pwani	42,172	9,161	8,790	5,680	0.6	2,093	1,200	S	S	S	S	S	S	S
Dar-es-salaam	3,732	695	626	307	0.5	129	1,802	-	-	-	-	-	-	-
Lindi	9,072	3,646	3,616	844	0.2	282	1,000	222	102	84	70	0.8	5	500
Mtwara	30,787	11,226	10,929	5,114	0.5	3,173	894	95,476	40,885	38,764	17,054	0.4	14,201	858
Ruvuma	7,401	1,866	1,564	842	0.5	366	534	5,445	2,420	2,420	1,027	0.4	1,001	998
Iringa	2,389	744	744	188	0.3	67	1,024	-	-	-	-	-	-	-
Mbeya	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Singida	2,998	2,253	2,027	505	0.2	150	736	15,605	13,507	13,503	4,072	0.3	3,442	1,121
Tabora	79,350	10,619	10,216	3,607	0.4	43	2,000	97,201	20,703	18,553	7,566	0.4	2,143	1,106
Rukwa	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kigoma	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Shinyanga	2,365	1,302	716	9	0.0	0	0	4,692	4,770	2,974	1,454	0.5	428	1,211
Kagera	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mwanza	5,305	995	851	117	0.1	0	0	16,820	6,589	3,667	2,205	0.6	347	410
Mara	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Manyara	3,774	1,082	919	135	0.1	0	0	761	871	642	847	1.3	238	562
Njombe	3,321	782	771	246	0.3	119	978	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	216	118	118	44	0.4	0	0
Simiyu	8,354	2,234	2,164	914	0.4	0	0	22,446	10,117	8,530	1,598	0.2	716	943
Geita	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mainland	**264,916**	**62,807**	**56,682**	**21,775**	**0.4**	**7,393**	**962**	**291,980**	**129,705**	**115,791**	**50,256**	**0.4**	**32,972**	**1,094**
Kaskazini-Unguja	2,835	365	135	56	0.4	6	393	S	S	S	S	S	S	S
Kusini Unguja	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mjini Magharibi	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kaskazini-Pemba	1,642	297	239	44	0.2	0	0	-	-	-	-	-	-	-
Kusini-Pemba	622	106	41	15	0.4	0	0	S	S	S	S	S	S	S
Zanzibar	**5,148**	**775**	**415**	**115**	**0.3**	**6**	**393**	**2,550**	**533**	**221**	**28**	**0.1**	**0**	**2,000**
Tanzania	**270,064**	**63,582**	**57,097**	**21,890**	**0.4**	**7,399**	**962**	**294,529**	**130,237**	**116,012**	**50,284**	**0.4**	**32,972**	**1,094**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Chick Peas							Bambaranuts						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	152	550	550	15	0.0	0	1,087	19,101	9,232	3,356	736	0.2	84	2,000
Arusha	993	995	995	877	0.9	513	1,440	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	49,056	12,322	11,385	7,867	0.7	3,531	1,043
Ruvuma	-	-	-	-	-	-	-	689	434	434	178	0.4	6	1,450
Iringa	S	S	S	S	S	S	S	705	309	262	65	0.2	65	2,000
Mbeya	-	-	-	-	-	-	-	1,184	926	308	140	0.5	0	0
Singida	3,909	7,233	6,011	2,252	0.4	1,790	1,431	6,260	1,462	1,224	1,228	1.0	0	0
Tabora	7,905	2,903	2,823	132	0.0	0	0	11,724	3,403	2,691	1,582	0.6	84	1,099
Rukwa	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kigoma	57	115	115	15	0.1	0	0	-	-	-	-	-	-	-
Shinyanga	11,707	12,287	10,535	5,370	0.5	3,472	2,326	3,632	882	294	73	0.2	0	0
Kagera	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Mwanza	38,897	39,260	38,122	13,448	0.4	8,422	1,230	-	-	-	-	-	-	-
Mara	2,407	2,069	2,024	312	0.2	262	2,309	-	-	-	-	-	-	-
Manyara	13,872	7,654	7,185	7,203	1.0	6,548	1,392	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	661	491	491	353	0.7	213	990
Katavi	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Simiyu	3,697	5,346	5,249	2,603	0.5	2,293	1,346	-	-	-	-	-	-	-
Geita	2,996	5,053	5,053	1,037	0.2	906	1,440	-	-	-	-	-	-	-
Mainland	**86,884**	**83,649**	**78,846**	**33,286**	**0.4**	**24,207**	**1,486**	**95,309**	**29,729**	**20,491**	**12,279**	**0.6**	**3,984**	**1,077**
Kaskazini-Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	38	8	7	9	1.2	9	700
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-	177	14	14	5	0.4	1	2,250
Zanzibar	-	-	-	-	-	-	-	**215**	**22**	**21**	**14**	**0.7**	**10**	**845**
Tanzania	**86,884**	**83,649**	**78,846**	**33,286**	**0.4**	**24,207**	**1,486**	**95,524**	**29,751**	**20,513**	**12,293**	**0.6**	**3,993**	**1,077**

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Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Sunflower							Sesame						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	178,275	227,901	197,093	61,666	0.3	34,428	576	37,028	34,473	22,555	4,284	0.2	3,918	1,134
Arusha	8,037	3,094	2,771	1,764	0.6	291	894	S	S	S	S	S	S	S
Kilimanjaro	31,015	6,449	6,152	3,711	0.6	308	985	1,155	244	212	30	0.1	21	3,500
Tanga	4,738	5,380	5,217	3,453	0.7	3,207	706	7,279	1,925	1,887	455	0.2	445	1,249
Morogoro	6,966	9,973	9,937	6,920	0.7	2,037	544	15,207	14,620	13,411	4,013	0.3	3,528	1,257
Pwani	-	-	-	-	-	-	-	62,431	18,428	15,297	7,880	0.5	7,879	1,508
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	48,424	44,531	35,761	13,300	0.4	13,216	1,574
Mtwara	142	50	50	13	0.3	2	500	21,152	8,005	7,551	3,194	0.4	3,077	1,634
Ruvuma	4,173	1,650	1,442	658	0.5	271	583	20,285	17,309	16,824	8,198	0.5	7,966	1,370
Iringa	21,929	20,424	15,085	14,277	0.9	7,659	575	572	721	566	299	0.5	38	917
Mbeya	29,765	35,960	35,023	29,628	0.8	19,747	1,424	6,018	19,057	19,057	5,342	0.3	5,083	1,613
Singida	138,515	156,134	139,662	67,682	0.5	47,628	568	2,902	3,684	3,442	664	0.2	82	1,837
Tabora	42,060	51,155	50,388	74,132	1.5	43,568	634	7,151	8,273	7,570	1,754	0.2	168	1,890
Rukwa	32,864	18,656	18,338	8,895	0.5	3,930	565	888	395	395	346	0.9	296	2,276
Kigoma	S	S	S	S	S	S	S	6,175	6,030	6,030	802	0.1	743	1,292
Shinyanga	3,113	2,567	1,165	98	0.1	89	1,400	1,119	629	196	22	0.1	22	2,000
Kagera	555	533	323	150	0.5	150	275	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mara	S	S	S	S	S	S	S	1,988	733	733	51	0.1	1	120
Manyara	63,430	77,612	70,471	55,471	0.8	13,741	1,768	364	635	218	106	0.5	106	1,664
Njombe	9,768	5,571	5,410	3,473	0.6	1,757	638	-	-	-	-	-	-	-
Katavi	1,161	746	746	756	1.0	584	788	2,043	1,810	1,810	1,073	0.6	1,054	1,311
Simiyu	3,964	2,334	2,268	731	0.3	354	900	1,458	968	968	146	0.2	146	2,455
Geita	928	494	494	251	0.5	251	1,506	S	S	S	S	S	S	S
Mainland	**581,944**	**626,876**	**562,226**	**333,791**	**0.6**	**180,030**	**778**	**244,425**	**182,805**	**154,819**	**52,072**	**0.3**	**47,809**	**1,473**
Kaskazini-Unguja	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kusini Unguja	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini-Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	**92**	**13**	**6**	**6**	**1.0**	**0**	**0**	-	-	-	-	-	-	-
Tanzania	**582,036**	**626,889**	**562,232**	**333,797**	**0.6**	**180,030**	**888**	**244,425**	**182,805**	**154,819**	**52,072**	**0.3**	**47,809**	**1,473**

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Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Spinach							Amaranths						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha))	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	681	74	74	23	0.3	6	200	917	60	60	76	1.3	42	2,500
Kilimanjaro	299	47	47	36	0.8	25	200	-	-	-	-	-	-	-
Tanga	685	103	103	109	1.1	101	528	18,912	7,551	7,551	27,487	3.6	26,563	401
Morogoro	-	-	-	-	-	-	-	614	16	16	7	0.4	1	1,200
Pwani	833	161	161	859	5.3	853	300	1,116	113	113	79	0.7	79	500
Dar-es-salaam	S	S	S	S	S	S	S	1,100	99	88	127	1.4	85	886
Lindi	-	-	-	-	-	-	-	215	87	87	7	0.1	4	500
Mtwara	-	-	-	-	-	-	-	25	5	5	1	0.1	1	500
Ruvuma	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Iringa	955	59	59	2	0.0	2	582	136	39	39	59	1.5	46	1,000
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	S	S	S	S	S	S	S	1,172	111	111	16	0.1	15	268
Tabora	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Rukwa	-	-	-	-	-	-	-	340	38	38	116	3.0	19	100
Kigoma	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	8,465	894	877	94	0.1	0	0
Mwanza	4,257	1,853	1,853	2,897	1.6	2,119	404	768	85	85	112	1.3	34	901
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	261	53	53	16	0.3	0	0	-	-	-	-	-	-	-
Njombe	1,050	59	59	51	0.9	34	400	S	S	S	S	S	S	S
Katavi	-	-	-	-	-	-	-	685	60	10	25	2.5	0	0
Simiyu	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**14,090**	**4,172**	**4,169**	**13,319**	**3.2**	**12,451**	**170**	**40,968**	**10,648**	**10,570**	**29,640**	**2.8**	**26,888**	**407**
Kaskazini-Unguja	-	-	-	-	-	-	-	1,422	111	111	80	0.7	54	588
Kusini Unguja*	-	-	-	-	-	-	-	92	6	6	0	0.0	0	603
Mjini Magharibi	-	-	-	-	-	-	-	221	15	15	5	0.3	3	800
Kaskazini-Pemba	-	-	-	-	-	-	-	482	68	68	16	0.2	15	923
Kusini-Pemba	-	-	-	-	-	-	-	122	12	12	7	0.6	5	1,000
Zanzibar	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2,339**	**213**	**213**	**108**	**0.5**	**77**	**688**
Tanzania	**14,090**	**4,172**	**4,169**	**13,319**	**3.2**	**12,451**	**170**	**43,308**	**10,861**	**10,782**	**29,748**	**2.8**	**26,965**	**408**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

(*)==Zero due to rounding rules

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Okra							Watermelon						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tonne)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Kilimanjaro	-	-	-	-	-	-	-	310	126	126	173	1.4	173	995
Tanga	731	92	77	179	2.3	177	317	2,053	489	28	53	1.9	53	300
Morogoro	595	715	715	338	0.5	338	201	-	-	-	-	-	-	-
Pwani	284	50	8	1	0.1	1	500	S	S	S	S	S	S	S
Dar-es-salaam	3,102	947	765	786	1.0	714	518	2,122	980	969	526	0.5	526	1,757
Lindi	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mtwara	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	2,607	512	512	90	0.2	25	246	S	S	S	S	S	S	S
Tabora	-	-	-	-	-	-	-	1,600	647	647	2,559	4.0	1,920	1,000
Rukwa	S	S	S	S	S	S	S	228	106	99	354	3.6	354	1,000
Kigoma	-	-	-	-	-	-	-	165	88	88	354	4.0	354	759
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mara	687	139	139	280	2.0	280	222	S	S	S	S	S	S	S
Manyara	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Njombe	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	S	S	S	S	S	S	S	52	21	21	10	0.5	0	0
Geita	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mainland	**31,029**	**7,030**	**6,792**	**2,382**	**0.4**	**1,870**	**393**	**10,483**	**3,686**	**2,544**	**7,273**	**2.9**	**5,052**	**888**
Kaskazini-Unguja	671	94	94	422	4.5	350	398	665	226	172	19	0.1	18	630
Kusini Unguja	117	13	12	19	1.6	14	569	24	11	3	1	0.2	1	1,387
Mjini Magharibi	449	97	97	266	2.7	266	715	S	S	S	S	S	S	S
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	75	24	7	4	0.5	4	1,428	S	S	S	S	S	S	S
Zanzibar	**1,311**	**228**	**211**	**711**	**3.4**	**634**	**541**	**772**	**262**	**178**	**23**	**0.1**	**18**	**653**
Tanzania	**32,340**	**7,259**	**7,003**	**3,094**	**0.4**	**2,505**	**431**	**11,255**	**3,947**	**2,722**	**7,297**	**2.7**	**5,070**	**887**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Tomatoes							Onion						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Arusha	1,341	1,203	632	4,775	7.6	4,299	3,183	382	423	384	2,106	5.5	2,106	2,158
Kilimanjaro	1,909	1,293	1,078	11,691	10.8	11,639	665	1,763	3,142	3,142	12,729	4.1	6,233	1,191
Tanga	7,159	927	304	1,108	3.6	663	606	S	S	S	S	S	S	S
Morogoro	26,190	9,298	6,616	72,837	11.0	63,379	525	S	S	S	S	S	S	S
Pwani	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Dar-es-salaam	216	69	60	314	5.3	314	490	S	S	S	S	S	S	S
Lindi	244	130	130	62	0.5	58	864	5,999	2,428	2,428	5,387	2.2	5,377	1,200
Mtwara	8,616	3,105	3,105	13,336	4.3	13,109	1,829	-	-	-	-	-	-	-
Ruvuma	414	78	76	199	2.6	194	822	S	S	S	S	S	S	S
Iringa	9,601	3,691	3,304	6,680	2.0	6,512	235	-	-	-	-	-	-	-
Mbeya	2,122	1,159	129	458	3.6	382	500	2,546	773	773	1,833	2.4	1,833	180
Singida	546	78	78	83	1.1	83	389	4,708	3,117	2,291	4,213	1.8	4,213	714
Tabora	264	37	23	8	0.4	8	220	S	S	S	S	S	S	S
Rukwa	1,467	316	316	1,201	3.8	344	496	S	S	S	S	S	S	S
Kigoma	774	526	526	1,708	3.2	1,662	622	5,387	545	545	377	0.7	269	587
Shinyanga	2,194	222	222	2,044	9.2	2,044	477	-	-	-	-	-	-	-
Kagera	1,931	214	214	579	2.7	570	454	S	S	S	S	S	S	S
Mwanza	1,161	905	905	561	0.6	528	839	8,776	1,776	1,776	489	0.3	489	1,500
Mara	3,741	591	550	3,720	6.8	3,698	843	-	-	-	-	-	-	-
Manyara	757	466	466	1,218	2.6	842	499	1,410	213	213	1,038	4.9	0	0
Njombe	1,304	183	183	67	0.4	67	496	-	-	-	-	-	-	-
Katavi	1,136	250	250	1,494	6.0	1,269	336	250	10	10	20	2.0	0	0
Simiyu	465	91	91	467	5.1	446	400	S	S	S	S	S	S	S
Geita	2,732	1,175	472	1,619	3.4	1,600	454	S	S	S	S	S	S	S
Mainland	**81,325**	**27,009**	**20,712**	**126,875**	**6.1**	**114,352**	**781**	**32,560**	**12,726**	**11,794**	**28,877**	**2.4**	**21,173**	**1,090**
Kaskazini-Unguja	6,529	858	668	1,248	1.9	1,106	613	-	-	-	-	-	-	-
Kusini Unguja	2,591	648	525	1,804	3.4	1,629	646	S	S	S	S	S	S	S
Mjini Magharibi	721	195	190	147	0.8	147	1,289	-	-	-	-	-	-	-
Kaskazini-Pemba	2,777	553	553	910	1.6	814	636	-	-	-	-	-	-	-
Kusini-Pemba	350	111	31	99	3.2	90	1,029	-	-	-	-	-	-	-
Zanzibar	**12,968**	**2,365**	**1,967**	**4,209**	**2.1**	**3,786**	**668**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Tanzania	**94,292**	**29,374**	**22,679**	**131,083**	**5.8**	**118,138**	**778**	**S**	**S**	**S**	**S**	**S**	**S**	**S**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

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Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Egg Plant							Cabbage						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	1,980	592	592	5,362	9.1	5,362	474
Kilimanjaro	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	1,593	184	184	2,855	15.5	2,601	372
Morogoro	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	137	47	47	37	0.8	23	816	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mbeya	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Mara	-	-	-	-	-	-	-	494	162	38	423	11.1	423	500
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Katavi	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Simiyu	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**901**	**107**	**107**	**246**	**2.3**	**226**	**1,120**	**9,254**	**1,521**	**1,380**	**10,220**	**7.4**	**9,750**	**441**
Kaskazini-Unguja	1,055	182	181	506	2.8	479	1,184	-	-	-	-	-	-	-
Kusini Unguja	627	138	60	216	3.6	202	389	-	-	-	-	-	-	-
Mjini Magharibi	498	122	122	499	4.1	472	722	-	-	-	-	-	-	-
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	207	42	42	28	0.7	4	425	-	-	-	-	-	-	-
Zanzibar	2,387	483	405	1,249	3.1	1,156	855	-	-	-	-	-	-	-
Tanzania	**3,288**	**590**	**512**	**1,495**	**2.9**	**1,382**	**898**	**9,254**	**1,521**	**1,380**	**10,220**	**7.4**	**9,750**	**441**

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Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Cotton							Tobacco						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	907	237	237	326	1.4	136	1,511
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	2,341	547	520	255	0.5	150	438
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Iringa	-	-	-	-	-	-	-	21	761	737	707	1.0	621	1,851
Mbeya	-	-	-	-	-	-	-	11,018	38,975	38,975	19,684	0.5	18,624	3,601
Singida	1,169	1,322	1,322	684	0.5	31	1,220	-	-	-	-	-	-	-
Tabora	18,420	18,015	15,719	10,742	0.7	10,742	1,124	39,994	28,166	26,435	31,301	1.2	24,308	3,151
Rukwa	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kigoma	-	-	-	-	-	-	-	1,583	1,611	1,546	2,019	1.3	1,815	3,812
Shinyanga	10,096	19,236	15,475	7,368	0.5	7,368	1,175	1,271	794	794	1,039	1.3	281	3,200
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	14,242	9,175	5,283	2,477	0.5	2,477	1,051	-	-	-	-	-	-	-
Mara	4,027	3,500	1,360	716	0.5	716	1,165	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	17,847	18,582	18,582	26,896	1.4	26,271	6,378
Simiyu	14,465	20,390	14,696	6,516	0.4	6,353	1,179	-	-	-	-	-	-	-
Geita	10,694	7,670	7,465	8,182	1.1	8,182	1,165	-	-	-	-	-	-	-
Mainland	**73,112**	**79,309**	**61,321**	**36,686**	**0.6**	**35,869**	**1,149**	**75,026**	**89,693**	**87,845**	**82,238**	**0.9**	**72,215**	**4,438**
Kaskazini-Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**73,112**	**79,309**	**61,321**	**36,686**	**0.6**	**35,869**	**1,149**	**75,026**	**89,693**	**87,845**	**82,238**	**0.9**	**72,215**	**4,438**

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Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Chilies							Field Peas						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Tanga	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Morogoro	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Pwani	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Dar-es-salaam	174	64	64	56	0.9	56	1,138	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	354	100	100	101	1.0	64	1,300
Iringa	S	S	S	S	S	S	S	8,579	4,188	3,876	2,332	0.6	1,757	1,094
Mbeya	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	S	S	S	S	S	S	S	1,476	299	299	343	1.1	341	400
Shinyanga	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kagera	S	S	S	S	S	S	S	1,568	293	226	98	0.4	2	1,000
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	6,858	3,646	3,646	2,921	0.8	203	793
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**3,324**	**450**	**408**	**274**	**0.7**	**273**	**947**	**19,873**	**8,655**	**8,276**	**6,025**	**0.7**	**2,397**	**974**
Kaskazini-Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zanzibar	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	**3,324**	**450**	**408**	**274**	**0.7**	**273**	**947**	**19,873**	**8,655**	**8,276**	**6,025**	**0.7**	**2,397**	**974**

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Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Groundnuts							Pumpkins						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	83,434	53,067	48,332	29,715	0.6	14,810	1,107	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	4,975	980	917	481	0.5	185	1,196	S	S	S	S	S	S	S
Tanga	S	S	S	S	S	S	S	1,259	466	318	1,562	4.9	61	420
Morogoro	4,414	2,381	2,381	722	0.3	79	770	2,764	292	25	2	0.1	1	250
Pwani	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Dar-es-salaam	1,646	179	171	39	0.2	30	500	S	S	S	S	S	S	S
Lindi	2,897	2,617	2,617	5,624	2.1	58	1,006	-	-	-	-	-	-	-
Mtwara	74,049	23,915	22,677	14,489	0.6	6,006	1,484	9,876	1,822	1,822	710	0.4	0	0
Ruvuma	14,961	5,079	5,072	4,530	0.9	2,449	699	1,549	304	304	483	1.6	0	0
Iringa	1,429	1,175	1,101	1,898	1.7	1,782	511	S	S	S	S	S	S	S
Mbeya	34,202	18,658	17,501	16,136	0.9	2,781	766	S	S	S	S	S	S	S
Singida	34,776	21,261	19,888	9,422	0.5	3,888	630	S	S	S	S	S	S	S
Tabora	162,088	85,111	68,435	26,204	0.4	11,602	1,838	S	S	S	S	S	S	S
Rukwa	17,700	6,118	5,971	4,549	0.8	2,180	526	S	S	S	S	S	S	S
Kigoma	46,886	12,637	11,931	11,918	1.0	1,363	1,399	-	-	-	-	-	-	-
Shinyanga	29,232	22,704	15,171	5,130	0.3	3,476	1,349	-	-	-	-	-	-	-
Kagera	28,564	4,274	2,952	2,186	0.7	983	1,227	S	S	S	S	S	S	S
Mwanza	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mara	6,778	2,383	2,120	515	0.2	189	1,092	-	-	-	-	-	-	-
Manyara	S	S	S	S	S	S	S	1,021	113	20	5	0.3	5	1,320
Njombe	1,864	1,066	1,066	907	0.9	14	1,150	S	S	S	S	S	S	S
Katavi	23,319	12,851	12,840	15,544	1.2	7,560	705	-	-	-	-	-	-	-
Simiyu	6,152	2,749	2,298	333	0.1	9	700	S	S	S	S	S	S	S
Geita	2,921	1,337	1,337	506	0.4	112	1,951	-	-	-	-	-	-	-
Mainland	**591,583**	**283,875**	**246,008**	**151,181**	**0.6**	**59,557**	**1,157**	**26,625**	**6,262**	**5,744**	**3,252**	**0.6**	**426**	**800**
Kaskazini-Unguja	S	S	S	S	S	S	S	1,149	288	213	569	2.7	277	778
Kusini Unguja	406	51	51	67	1.3	8	2,600	719	119	105	364	3.5	243	633
Mjini Magharibi	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kaskazini-Pemba	S	S	S	S	S	S	S	905	148	122	318	2.6	157	517
Kusini-Pemba	294	44	38	27	0.7	22	2,533	S	S	S	S	S	S	S
Zanzibar	**1,011**	**163**	**157**	**146**	**0.9**	**82**	**2,530**	**2,950**	**577**	**461**	**1,304**	**2.8**	**710**	**661**
Tanzania	**592,594**	**284,038**	**246,165**	**151,327**	**0.6**	**59,639**	**1,159**	**29,575**	**6,839**	**6,205**	**4,556**	**0.7**	**1,136**	**713**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 2 (ctd): Number of Agricultural Operators, Area Planted (ha) and Quantity Harvested (tonnes) during 2016/17 Agricultural Year- Long Rainy Season

Region	Ginger							Carrot						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (KG/ac)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	506	244	192	165	0.9	16	300	1,086	435	387	303	0.8	288	516
Zanzibar	50	3	3	9	3.3	9	480	-	-	-	-	-	-	-
Tanzania	**556**	**247**	**194**	**174**	**0.9**	**25**	**363**	**1,086**	**435**	**387**	**303**	**0.8**	**288**	**516**

Region	Fiwi							Soybeans						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (KG/ac)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	17,527	17,272	15,698	7,132	0.5	3,379	721	15,431	11,273	10,767	11,734	1.1	10,621	825
Zanzibar	272	37	37	10	0.3	0	0	-	-	-	-	-	-	-
Tanzania	**17,799**	**17,310**	**15,736**	**7,141**	**0.5**	**3,379**	**721**	**15,431**	**11,273**	**10,767**	**11,734**	**1.1**	**10,621**	**825**

PERMANENT CROPS

Table 3: Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 – Permanent Crops

Region	Cassava							Banana						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	2,562	1,213	417	452	1.1	415	558	5,354	2,637	2,637	612	0.2	317	1,033
Arusha	2,168	898	428	706	1.6	660	798	3,089	489	323	1,548	4.8	566	256
Kilimanjaro	2,600	296	186	384	2.1	350	259	66,000	16,665	14,672	69,714	4.8	30,538	768
Tanga	87,319	39,167	21,133	51,237	2.4	35,185	402	33,945	6,105	4,721	23,353	4.9	12,883	1,206
Morogoro	10,558	4,274	975	1,825	1.9	643	644	20,395	5,538	4,823	12,417	2.6	11,453	705
Pwani	268,768	102,271	81,638	26,091	0.3	24,801	815	50,995	14,855	12,966	59,713	4.6	9,758	1,582
Dar-es-salaam	13,735	3,147	2,387	4,228	1.8	2,909	601	2,170	507	134	138	1.0	69	581
Lindi	24,147	8,486	7,435	9,126	1.2	1,881	559	3,227	345	345	106	0.3	10	1,723
Mtwara	136,722	45,622	36,444	43,293	1.2	8,066	597	7,049	2,598	1,680	723	0.4	108	1,837
Ruvuma	76,163	34,615	10,363	4,982	0.5	941	780	11,602	2,068	1,922	5,328	2.8	2,553	1,198
Iringa	S	S	S	S	S	S	S	500	331	26	4	**0.0	0	0
Mbeya	10,202	2,564	2,101	1,348	0.6	504	487	46,651	13,991	13,672	76,797	5.6	56,662	2,853
Singida	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Tabora	70,634	39,062	6,403	13,310	2.1	5,715	289	-	-	-	-	-	-	-
Rukwa	4,476	2,206	843	2,511	3.0	1,447	672	904	321	193	143	0.7	64	167
Kigoma	330,537	138,251	45,340	219,708	4.8	147,398	606	99,071	11,629	10,531	8,462	0.8	5,043	1,927
Shinyanga	30,753	21,346	4,984	2,176	0.4	752	640	S	S	S	S	S	S	S
Kagera	215,007	59,610	31,337	48,797	1.6	11,733	548	167,352	53,504	34,261	196,511	5.7	48,207	2,041
Mwanza	252,365	114,654	38,039	46,415	1.2	10,175	458	2,424	563	107	229	2.1	0	0
Mara	127,911	69,464	14,920	14,444	1.0	3,441	789	8,486	1,736	615	464	0.8	170	1,838
Manyara	S	S	S	S	S	S	S	2,345	443	411	1,189	2.9	422	416
Njombe	49,360	23,093	4,799	2,639	0.5	1,293	1,000	S	S	S	S	S	S	S
Katavi	16,807	8,020	1,332	2,531	1.9	893	742	715	297	107	862	8.1	592	2,586
Simiyu	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Geita	202,616	127,807	35,899	76,434	2.1	9,772	514	S	S	S	S	S	S	S
Mainland	**1,960,298**	**853,015**	**347,499**	**572,727**	**1.6**	**268,974**	**585**	**533,733**	**134,792**	**104,210**	**458,975**	**4.4**	**179,672**	**1,882**
Kaskazini-Unguja	29,192	8,065	5,759	13,119	2.3	6,904	636	14,223	2,872	2,428	5,393	2.2	2,969	1,007
Kusini Unguja	11,855	2,697	2,424	7,088	2.9	1,934	679	7,336	1,578	1,360	3,818	2.8	2,254	2,597
Mjini Magharibi	6,844	1,616	1,235	3,374	2.7	2,142	560	6,678	818	685	1,673	2.4	975	717
Kaskazini-Pemba	35,160	11,564	6,860	16,865	2.5	2,327	374	15,550	2,749	2,309	7,141	3.1	2,117	508
Kusini-Pemba	29,565	11,398	5,628	15,438	2.7	4,771	396	19,933	4,265	3,620	10,498	2.9	5,122	725
Zanzibar	**112,616**	**35,340**	**21,906**	**55,884**	**2.6**	**18,079**	**534**	**63,719**	**12,282**	**10,402**	**28,524**	**2.7**	**13,438**	**1,066**
Tanzania	**2,072,914**	**888,355**	**369,405**	**628,611**	**1.7**	**287,052**	**582**	**597,452**	**147,074**	**114,612**	**487,500**	**4.3**	**193,109**	**1,825**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

(**)==Zero due to rounding to whole number/one decimal point

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Palm Oil							Coconut						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	32,434	10,649	9,396	13,488	1.4	10,843	421
Morogoro	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Pwani	1,078	444	126	156	1.2	0	0	116,436	37,805	37,098	93,244	2.5	91,440	1,010
Dar-es-salaam	S	S	S	S	S	S	S	2,430	1,349	1,313	3,335	2.5	3,060	631
Lindi	-	-	-	-	-	-	-	19,859	11,249	11,249	4,920	0.4	4,817	412
Mtwara	-	-	-	-	-	-	-	5,580	2,169	1,698	2,721	1.6	836	462
Ruvuma	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	11,042	2,102	2,031	5,918	2.9	5,861	987	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	12,767	6,819	5,487	10,192	1.9	6,992	1,542	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	881	311	73	327	4.5	202	2,860	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**25,773**	**9,742**	**7,717**	**16,593**	**2.2**	**13,055**	**1,313**	**177,043**	**63,373**	**60,905**	**118,017**	**1.9**	**111,240**	**911**
Kaskazini-Unguja	-	-	-	-	-	-	-	5,363	1,575	1,357	2,049	1.5	1,468	779
Kusini Unguja	-	-	-	-	-	-	-	7,848	2,543	1,862	4,080	2.2	2,053	710
Mjini Magharibi	-	-	-	-	-	-	-	11,177	874	843	1,568	1.9	363	604
Kaskazini-Pemba	-	-	-	-	-	-	-	13,513	3,986	2,763	5,512	2.0	3,277	798
Kusini-Pemba	-	-	-	-	-	-	-	12,883	1,965	1,387	2,370	1.7	437	1,355
Zanzibar	-	-	-	-	-	-	-	**50,784**	**10,943**	**8,212**	**15,579**	**1.9**	**7,598**	**793**
Tanzania	**25,773**	**9,742**	**7,717**	**16,593**	**2.2**	**13,055**	**1,313**	**227,827**	**74,316**	**69,117**	**133,596**	**1.9**	**118,837**	**903**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Sugarcane							Cloves						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	961	97	69	164	2.4	164	500	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Tanga	9,279	2,909	2,577	459	0.2	455	377	S	S	S	S	S	S	S
Morogoro	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Pwani	3,572	716	242	434	1.8	370	292	-	-	-	-	-	-	-
Dar-es-salaam	719	48	46	18	0.4	15	628	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	2,034	862	36	213	5.9	7	948	-	-	-	-	-	-	-
Ruvuma	716	72	72	1,719	23.7	887	500	-	-	-	-	-	-	-
Iringa	862	262	262	216	1	216	500	-	-	-	-	-	-	-
Mbeya	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Singida	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Tabora	1,398	274	266	197	0.7	197	400	-	-	-	-	-	-	-
Rukwa	4,427	1,139	713	6,747	9.5	6,747	315	-	-	-	-	-	-	-
Kigoma	2,419	547	285	1,106	3.9	912	268	-	-	-	-	-	-	-
Shinyanga	206	21	21	463	22.2	463	420	-	-	-	-	-	-	-
Kagera	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Mwanza	1,563	1,353	42	510	12.1	510	500	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Njombe	420	85	85	3,780	44.5	3,780	500	-	-	-	-	-	-	-
Katavi	812	253	114	774	6.8	774	713	-	-	-	-	-	-	-
Simiyu	3,487	811	399	1,484	3.7	1,319	506	-	-	-	-	-	-	-
Geita	1,266	128	128	1,013	7.9	1,013	500	-	-	-	-	-	-	-
Mainland	**59,045**	**50,206**	**36,755**	**381,720**	**10.4**	**226,015**	**697**	**462**	**157**	**85**	**16**	**0.2**	**16**	**10,000**
Kaskazini-Unguja	S	S	S	S	S	S	S	1,290	399	382	117	0.3	117	14,001
Kusini Unguja	1,743	1,406	1,399	9,576	6.8	9,051	659	2,061	366	364	237	0.7	202	10,953
Mjini Magharibi	S	S	S	S	S	S	S	9,000	477	39	11	0.3	10	13,920
Kaskazini-Pemba	-	-	-	-	-	-	-	6,778	2,722	2,218	1,651	0.7	1,594	14,000
Kusini-Pemba	153	48	48	45	0.9	40	499	13,000	4,966	4,296	4,276	1.0	4,276	13,878
Zanzibar	**2,316**	**3,192**	**2,786**	**64,988**	**23.3**	**10,187**	**632**	**32,130**	**8,930**	**7,299**	**6,291**	**0.9**	**6,198**	**13,817**
Tanzania	**61,362**	**53,398**	**39,541**	**446,708**	**11.3**	**236,202**	**694**	**32,591**	**9,087**	**7,384**	**6,307**	**0.9**	**6,214**	**13,807**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Avocado							Pineapple						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kilimanjaro	593	43	29	71	2.5	71	309	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Morogoro	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Pwani	-	-	-	-	-	-	-	1,988	1,040	770	377	0.5	127	885
Dar-es-salaam	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Ruvuma	76	8	8	68	8.9	41	700	-	-	-	-	-	-	-
Iringa	464	352	227	663	3	663	792	-	-	-	-	-	-	-
Mbeya	8,675	2,277	2,202	13,076	5.9	12,898	994	4,583	464	464	1,247	2.7	102	1,000
Singida	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	178	22	5	18	3.5	18	700	-	-	-	-	-	-	-
Kigoma	7,105	729	729	3,809	5.2	3,789	401	151	184	92	25	0.3	22	500
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	1,587	259	147	893	6.1	873	500	5,405	842	400	5	0.0	4	492
Mwanza	878	89	89	105	1.2	84	1,042	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	1,045	152	151	481	3	333	411	-	-	-	-	-	-	-
Njombe	2,439	1,363	141	68	0.5	60	763	S	S	S	S	S	S	S
Katavi	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	91	9	9	27	3.0	27	800	3,917	3,170	3,170	3,917	1.2	3,839	300
Mainland	**23,834**	**5,344**	**3,745**	**19,287**	**5.2**	**18,856**	**830**	**25,925**	**7,416**	**4,896**	**5,572**	**1.1**	**4,093**	**337**
Kaskazini-Unguja	S	S	S	S	S	S	S	1,760	616	606	4,726	7.8	3,963	447
Kusini Unguja	S	S	S	S	S	S	S	1,099	134	67	412	6.1	208	980
Mjini Magharibi	564	57	38	130	3.4	125	360	752	60	44	547	12.3	454	1,051
Kaskazini-Pemba	-	-	-	-	-	-	-	1,662	252	126	75	0.6	0	0
Kusini-Pemba	-	-	-	-	-	-	-	5,263	311	157	208	1.3	124	1,054
Zanzibar	**1,423**	**160**	**99**	**162**	**1.6**	**156**	**421**	**10,536**	**1,373**	**1,001**	**5,968**	**6.0**	**4,750**	**544**
Tanzania	**25,256**	**5,504**	**3,844**	**19,449**	**5.1**	**19,012**	**827**	**36,461**	**8,789**	**5,896**	**11,540**	**2.0**	**8,842**	**448**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Mango							Guava						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	6,951	2,666	2,655	2,239	0.8	1,398	1,378	417	42	42	167	4.0	0	0
Arusha	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kilimanjaro	1,379	129	56	67	1.2	0	0	-	-	-	-	-	-	-
Tanga	27,174	9,064	2,932	19,681	6.7	13,539	461	688	66	66	176	2.7	0	0
Morogoro	120	972	486	2,374	4.9	2,374	250	-	-	-	-	-	-	-
Pwani	105,861	23,895	8,358	37,270	4.5	8,878	665	-	-	-	-	-	-	-
Dar-es-salaam	4,858	1,724	968	715	0.7	337	741	468	47	40	30	0.8	11	500
Lindi	12,221	2,460	2,460	4,491	1.8	7	100	3,186	322	322	159	0.5	0	0
Mtwara	1,207	489	135	246	1.8	175	500	-	-	-	-	-	-	-
Ruvuma	547	178	36	110	3.1	20	1,000	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	8,603	4,965	706	1,005	1.4	344	778	1,018	41	41	224	5.4	0	0
Singida	1,560	467	400	725	1.8	685	400	S	S	S	S	S	S	S
Tabora	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Rukwa	145	42	41	39	0.9	35	500	4,617	467	467	762	1.6	0	0
Kigoma	2,434	336	336	145	0.4	73	1,500	126	14	14	95	6.6	0	0
Shinyanga	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kagera	9,477	1,027	1,021	330	0.3	1	400	S	S	S	S	S	S	S
Mwanza	S	S	S	S	S	S	S	327	33	0	0	0.0	0	0
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	326	99	11	11	1.0	0	0	-	-	-	-	-	-	-
Simiyu	266	27	26	52	2.0	52	1,000	1,721	227	227	557	2.5	557	410
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**183,602**	**48,657**	**20,660**	**69,540**	**3.4**	**27,958**	**564**	**12,703**	**1,398**	**1,358**	**2,214**	**1.6**	**568**	**412**
Kaskazini-Unguja	3,414	1,122	867	2,812	3.2	2,178	1,025	-	-	-	-	-	-	-
Kusini Unguja	3,822	926	643	1,896	2.9	630	1,025	-	-	-	-	-	-	-
Mjini Magharibi	2,509	417	307	1,100	3.6	468	1,666	-	-	-	-	-	-	-
Kaskazini-Pemba	909	77	29	18	0.6	18	748	-	-	-	-	-	-	-
Kusini-Pemba	8,423	718	560	3,060	5.5	780	486	-	-	-	-	-	-	-
Zanzibar	**19,077**	**3,260**	**2,406**	**8,886**	**3.7**	**4,075**	**994**	-	-	-	-	-	-	-
Tanzania	**202,679**	**51,917**	**23,066**	**78,427**	**3.4**	**32,032**	**619**	**12,703**	**1,398**	**1,358**	**2,214**	**1.6**	**568**	**412**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Jackfruit							Star Fruits						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanga	13,903	1,861	1,825	6,399	3.5	2,916	500	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	1,519	31	31	146	4.7	0	0	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	376	216	26	52	2	52	2,000
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	211	128	128	549	4.3	549	200
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**15,422**	**1,892**	**1,856**	**6,545**	**3.5**	**2,916**	**500**	**587**	**345**	**154**	**600**	**3.9**	**600**	**355**
Kaskazini-Unguja	729	186	161	160	1.0	53	480	-	-	-	-	-	-	-
Kusini Unguja	1,850	206	109	426	3.9	75	398	S	S	S	S	S	S	S
Mjini Magharibi	2,474	199	178	777	4.4	238	354	S	S	S	S	S	S	S
Kaskazini-Pemba	438	42	42	129	3.1	39	200	-	-	-	-	-	-	-
Kusini-Pemba	4,701	281	230	37	0.2	7	382	-	-	-	-	-	-	-
Zanzibar	**10,193**	**913**	**719**	**1,529**	**2.1**	**411**	**364**	**S**	**S**	**S**	**S**	**S**	**S**	**S**
Tanzania	**25,614**	**2,805**	**2,575**	**8,073**	**3.1**	**3,327**	**483**	**635**	**349**	**158**	**609**	**3.9**	**600**	**355**

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(-)==Insufficient data available from survey

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Lime							Lemon						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvested (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	125	50	50	75	1.5	75	500
Kilimanjaro	-	-	-	-	-	-	-	252	25	25	23	0.9	0	0
Tanga	100	36	17	30	1.8	30	1,315	8,423	3,120	927	480	0.5	388	716
Morogoro	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	263	27	27	164	6.1	164	501
Geita	91	9	9	11	1.2	11	1,200	-	-	-	-	-	-	-
Mainland	**1,232**	**903**	**27**	**41**	**1.6**	**41**	**1,285**	**9,694**	**3,298**	**1,105**	**765**	**0.7**	**637**	**627**
Kaskazini-Unguja	441	131	131	398	3.0	372	638	51	9	9	8	0.9	3	400
Kusini Unguja	3,090	719	477	1,768	3.7	1,587	892	59	12	12	65	5.5	57	136
Mjini Magharibi	944	90	89	96	1.1	74	462	177	34	29	6	0.2	0	0
Kaskazini-Pemba	901	233	213	426	2.0	426	417	221	22	22	111	4.9	111	400
Kusini-Pemba	813	61	61	33	0.5	24	618	449	22	22	81	3.7	0	736
Zanzibar	**6,189**	**1,234**	**971**	**2,721**	**2.8**	**2,484**	**757**	**957**	**98**	**93**	**270**	**2.9**	**170**	**312**
Tanzania	**7,421**	**2,137**	**997**	**2,763**	**2.8**	**2,525**	**765**	**10,651**	**3,397**	**1,198**	**1,035**	**0.9**	**807**	**561**

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Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Pigeon Pea							Castor seed						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	41,592	35,877	22,939	8,460	0.4	2,198	321	-	-	-	-	-	-	-
Arusha	30,899	10,980	8,622	6,640	0.8	2,232	669	-	-	-	-	-	-	-
Kilimanjaro	7,047	2,577	1,164	913	0.8	71	536	-	-	-	-	-	-	-
Tanga	29,313	17,506	10,214	5,927	0.6	4,654	771	-	-	-	-	-	-	-
Morogoro	33,324	30,079	23,651	13,247	0.6	4,968	429	-	-	-	-	-	-	-
Pwani	81,915	26,766	22,960	15,173	0.7	8,885	881	-	-	-	-	-	-	-
Dar-es-salaam	775	201	179	180	1.0	151	1,263	-	-	-	-	-	-	-
Lindi	110,744	36,699	32,791	15,627	0.5	5,900	467	-	-	-	-	-	-	-
Mtwara	180,654	69,780	65,113	30,006	0.5	7,959	390	-	-	-	-	-	-	-
Ruvuma	73,371	42,472	34,854	22,384	0.6	704	488	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	970	98	98	97	1.0	0	0	6,015	9,736	9,736	4,812	0.5	3,609	300
Singida	1,145	899	899	473	0.5	0	0	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	1,196	900	900	360	0.4	0	0	-	-	-	-	-	-	-
Kigoma	26,865	8,894	7,299	2,246	0.3	970	346	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	1,463	296	296	102	0.3	0	0	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	77,738	41,971	33,100	15,925	0	2,741	377	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	358	171	171	53	0.3	26	453	-	-	-	-	-	-	-
Simiyu	19,073	7,393	6,925	2,552	0.4	1,412	1,031	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**718,440**	**333,559**	**272,173**	**140,366**	**0.5**	**42,871**	**583**	**6,225**	**9,907**	**9,736**	**4,812**	**0.5**	**3,609**	**300**
Kaskazini-Unguja	6,985	1,565	1,070	222	0.2	28	1,504	-	-	-	-	-	-	-
Kusini Unguja	1,583	209	207	77	0.4	0	0	-	-	-	-	-	-	-
Mjini Magharibi	219	23	23	7	0.3	0	0	-	-	-	-	-	-	-
Kaskazini-Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kusini-Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Zanzibar	**9,044**	**1,838**	**1,314**	**306**	**0.2**	**28**	**1,504**	-	-	-	-	-	-	-
Tanzania	**727,484**	**335,397**	**273,488**	**140,672**	**0.5**	**42,899**	**584**	**6,225**	**9,907**	**9,736**	**4,812**	**0.5**	**3,609**	**300**

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Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Cashewnut							Sisal						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (ton)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	386	94	0	0	0.0	0	0	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kilimanjaro	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Tanga	38,707	15,563	3,689	2,063	0.6	1,833	2,837	5,193	50,174	42,336	51,356	1.2	50,542	2,410
Morogoro	189	1,028	0	0	0.0	0	0	S	S	S	S	S	S	S
Pwani	115,116	91,815	49,908	58,337	1.2	55,874	1,501	17	25,350	25,350	5,858	0.2	4,528	1,962
Dar-es-salaam	3,332	1,292	1,078	523	0.5	406	2,253	-	-	-	-	-	-	-
Lindi	188,226	207,951	185,065	126,353	0.7	125,158	2,727	-	-	-	-	-	-	-
Mtwara	261,903	327,281	308,835	191,025	0.6	189,001	3,273	-	-	-	-	-	-	-
Ruvuma	54,805	49,781	25,416	9,636	0.4	7,319	2,564	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	1,336	218	0	0	0.0	0	0	-	-	-	-	-	-	-
Singida	2,259	662	0	0	0.0	0	0	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	261	105	105	26	0.2	26	500
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**666,258**	**695,683**	**573,991**	**387,936**	**0.7**	**379,592**	**2,815**	**5,475**	**81,197**	**71,585**	**63,824**	**0.9**	**60,801**	**2,356**
Kaskazini-Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini Unguja	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mjini Magharibi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Zanzibar	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Tanzania	**S**	**S**	**S**	**S**	**S**	**S**	**S**	**5,475**	**81,197**	**71,585**	**63,824**	**0.9**	**60,801**	**2,356**

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Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Orange							Mandarin						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	83	29	29	52	1.8	45	621	S	S	S	S	S	S	S
Kilimanjaro	252	25	25	60	2.4	0	0	-	-	-	-	-	-	-
Tanga	37,741	26,230	16,994	3,731	0.2	3,607	373	-	-	-	-	-	-	-
Morogoro	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Pwani	15,020	2,592	1,307	880	0.7	813	501	-	-	-	-	-	-	-
Dar-es-salaam	2,067	122	38	30	0.8	0	0	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	3,094	1,173	1,173	135	0.1	135	800	-	-	-	-	-	-	-
Ruvuma	161	24	3	3	1.0	3	800	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	101	13	13	35	2.7	35	983	-	-	-	-	-	-	-
Kigoma	2,065	799	14	45	3.2	0	0	-	-	-	-	-	-	-
Shinyanga	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kagera	S	S	S	S	S	S	S	8,383	848	848	210	0.2	0	0
Mwanza	921	182	178	157	0.9	157	200	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	593	60	60	74	1.2	0	0	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	107	11	11	42	3.9	0	0	-	-	-	-	-	-	-
Simiyu	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Geita	S	S	S	S	S	S	S	0	0	0	0	0.0	0	0
Mainland	**63,356**	**32,129**	**19,879**	**5,321**	**0.3**	**4,868**	**415**	**8,469**	**877**	**877**	**251**	**0.3**	**37**	**718**
Kaskazini-Unguja	1,824	425	347	1,121	3.2	941	809	283	23	23	130	5.8	117	898
Kusini Unguja	2,769	628	408	1,840	4.5	1,347	526	759	120	40	96	2.4	30	835
Mjini Magharibi	10,619	677	639	1,472	2.3	55	756	876	97	82	227	2.8	42	359
Kaskazini-Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Kusini-Pemba	S	S	S	S	S	S	S	-	-	-	-	-	-	-
Zanzibar	**16,214**	**1,955**	**1,496**	**4,518**	**3.0**	**2,398**	**643**	**1,918**	**240**	**145**	**454**	**3.1**	**189**	**769**
Tanzania	**79,570**	**34,085**	**21,375**	**9,839**	**0.5**	**7,267**	**490**	**10,387**	**1,117**	**1,022**	**704**	**0.7**	**226**	**760**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Coffee							Rambutan						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (ton/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	1,302	1,036	607	512	0.8	512	2,427	-	-	-	-	-	-	-
Kilimanjaro	32,307	6,121	4,462	1,952	0.4	1,127	3,489	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	15,674	12,362	12,362	7,171	0.6	6,882	3,706	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	22,682	7,996	6,766	4,092	0.6	4,085	4,565	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	1,904	937	844	802	1.0	802	1,967	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	105,732	31,384	22,306	28,170	1.3	22,224	1,539	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	3,607	478	328	211	0.6	0	0	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	134	54	54	60	1.1	0	0	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**183,343**	**60,370**	**47,731**	**42,970**	**0.9**	**35,633**	**2,388**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Kaskazini-Unguja	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Kusini Unguja	-	-	-	-	-	-	-	2,021	167	49	156	3.2	90	2,000
Mjini Magharibi	-	-	-	-	-	-	-	1,680	246	165	503	3.1	195	3,567
Kaskazini-Pemba	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Zanzibar	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3,877**	**446**	**223**	**671**	**3.0**	**297**	**3,080**
Tanzania	**183,343**	**60,370**	**47,731**	**42,970**	**0.9**	**35,633**	**2,388**	**3,877**	**446**	**223**	**671**	**3.0**	**297**	**3,080**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Vanilla							Bread Fruit						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Dodoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arusha	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kilimanjaro	420	85	85	126	1.5	94	1,000	-	-	-	-	-	-	-
Tanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morogoro	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pwani	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dar-es-salaam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lindi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mtwara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruvuma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iringa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mbeya	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Singida	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tabora	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rukwa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kigoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shinyanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kagera	2,510	140	86	19	0.2	19	7,567	-	-	-	-	-	-	-
Mwanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Manyara	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Njombe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Katavi	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Simiyu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geita	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mainland	**2,930**	**225**	**171**	**145**	**0.8**	**113**	**2,087**	-	-	-	-	-	-	-
Kaskazini-Unguja	-	-	-	-	-	-	-	210	31	31	47	1.5	39	200
Kusini Unguja	-	-	-	-	-	-	-	706	82	82	215	2.6	209	471
Mjini Magharibi	157	19	10	10	1.0	10	5,000	848	62	62	111	1.8	0	0
Kaskazini-Pemba	554	56	56	2	0.0	2	4,500	-	-	-	-	-	-	-
Kusini-Pemba	-	-	-	-	-	-	-	1,643	83	66	1	**0.0	0	500
Zanzibar	**711**	**75**	**66**	**12**	**0.2**	**12**	**4,929**	**3,408**	**258**	**241**	**374**	**1.6**	**248**	**429**
Tanzania	**3,641**	**300**	**237**	**156**	**0.7**	**125**	**2,353**	**3,408**	**258**	**241**	**374**	**1.6**	**248**	**429**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

(**)==Zero due to rounding to whole number/one decimal point

Table 3 (ctd): Number of Operators, Planted Area, Area Harvested, Quantity Harvested, Yield, Quantity Sold and Average Price During 2016/17 — Permanent Crops

Region	Tea							Cacao						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	3,687	3,568	3,568	27,967	7.8	27,356	224	31,389	12,659	12,659	20,107	1.6	19,802	1,865
Zanzibar	-	-	-	-	-	-	-	S	S	S	S	S	S	S
Tanzania	**3,687**	**3,568**	**3,568**	**27,967**	**7.8**	**27,356**	**224**	**S**	**S**	**S**	**S**	**S**	**S**	**S**

Region	Cinnamon							Black Pepper						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	106	85	85	74	0.9	74	4,214	5,251	1,117	43	38	0.9	27	700
Zanzibar	9,742	575	490	491	1.0	61	776	727	42	37	19	0.5	12	2,710
Tanzania	**9,847**	**660**	**575**	**565**	**1.0**	**135**	**2,664**	**5,978**	**1,159**	**80**	**58**	**0.7**	**39**	**1,308**

Region	Passion Fruit							Plums						
	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)	Number of Operators	Planted Area (ha)	Harvested Area (ha)	Quantity Harvest (tons)	Yield (tons/ha)	Quantity Sold (tons)	Average Price (Tsh/KG)
Mainland	5,880	5,090	8	15	2.0	15	800	1,784	380	281	440	1.6	0	0
Zanzibar	342	63	56	82	1.5	56	1,479	557	27	2	1	0.6	0	0
Tanzania	**6,222**	**5,153**	**64**	**97**	**1.5**	**71**	**1,334**	**2,341**	**408**	**283**	**442**	**1.6**	**0**	**0**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

LIVESTOCK

Table 4: Total Number of Cattle by Category and Region as of 1st October 2017

Region	Total Number of Cattle							
	Oxen	Bulls	Cows	Steers	Heifers	Male Calves	Female Calves	Total
Dodoma	240,812	215,558	547,346	72,354	324,500	247,258	164,600	1,812,427
Arusha	79,064	136,049	258,354	329,027	80,143	228,189	62,619	1,173,444
Kilimanjaro	53,849	125,705	238,915	46,436	129,322	89,506	110,291	794,024
Tanga	27,762	91,698	481,825	95,070	237,190	125,571	146,051	1,205,168
Morogoro	167,150	95,628	269,208	26,926	86,023	96,577	124,569	866,080
Pwani	54,348	53,214	304,660	14,641	98,639	81,641	158,670	765,814
Dar-es-salaam	1,098	1,052	11,307	554	2,128	3,371	5,572	25,082
Lindi	20,493	37,942	207,566	122,993	83,183	1,005	21,184	494,366
Mtwara	215	4,136	9,571	288	2,889	2,231	4,395	23,725
Ruvuma	20,858	15,315	35,553	1,826	13,953	22,162	41,758	151,426
Iringa	102,617	84,283	156,398	9,928	55,447	55,608	101,309	565,591
Mbeya	219,477	356,336	785,000	64,478	182,553	190,807	154,144	1,952,795
Singida	339,774	290,907	552,301	58,928	199,895	226,116	204,481	1,872,402
Tabora	600,051	297,650	664,367	176,383	272,859	315,325	336,760	2,663,395
Rukwa	289,355	90,492	184,594	24,626	91,833	125,628	136,935	943,463
Kigoma	41,989	70,976	291,599	5,416	81,027	67,671	65,510	624,187
Shinyanga	479,250	196,430	425,571	155,931	239,903	190,073	173,937	1,861,093
Kagera	54,157	110,989	405,532	38,564	167,950	147,484	169,849	1,094,524
Mwanza	525,681	286,774	578,067	196,747	297,391	259,051	276,768	2,420,479
Mara	209,955	416,802	583,134	94,607	352,700	293,791	206,678	2,157,667
Manyara	298,581	314,716	778,188	111,746	263,374	243,757	191,307	2,201,670
Njombe	45,208	37,743	59,230	9,153	30,753	29,466	29,563	241,117
Katavi	195,783	78,579	186,733	20,246	74,043	63,040	65,492	683,916
Simiyu	372,019	203,655	607,436	34,698	207,003	198,995	148,612	1,772,417
Geita	381,676	247,920	666,756	113,597	268,566	235,178	216,720	2,130,412
MAINLAND	**4,842,528**	**3,861,666**	**9,197,319**	**1,926,405**	**3,782,070**	**3,602,998**	**3,283,700**	**30,496,687**
Kaskazini Unguja	335	5,373	13,856	90	3,090	3,424	3,558	29,727
Kusini Unguja	648	4,786	10,282	2,137	3,451	3,483	3,163	27,950
Mjini Magharibi	S	S	S	S	S	S	S	29,697
Kaskazini Pemba	1,507	9,597	13,154	-	10,797	9,656	8,398	53,108
Kusini Pemba	S	S	S	S	S	S	S	34,832
ZANZIBAR	**2,964**	**29,771**	**56,912**	**3,762**	**30,091**	**24,814**	**27,000**	**175,314**
TANZANIA	**4,845,492**	**3,891,438**	**9,254,231**	**1,930,167**	**3,812,161**	**3,627,812**	**3,310,700**	**30,672,001**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 5: Total Number of Goats by Region as of 1st October 2017

Region	Billy Goat	Castrated Goat	Female Goat	Male Kid	Female Kid	Total
Dodoma	229,642	68,012	582,268	163,708	181,079	1,224,708
Arusha	163,199	134,920	1,505,445	438,016	338,436	2,580,017
Kilimanjaro	92,544	55,970	308,963	101,186	105,181	663,843
Tanga	193,294	38,660	416,086	106,834	105,884	860,757
Morogoro	54,775	35,358	237,051	56,037	59,328	442,548
Pwani	50,817	23,437	220,487	63,674	44,603	403,018
Dar-es-salaam	5,088	3,870	12,673	2,749	4,880	29,260
Lindi	18,898	186	53,219	1,577	37,824	111,704
Mtwara	21,646	6,215	106,637	13,823	56,803	205,124
Ruvuma	76,521	1,875	169,570	8,420	48,871	305,257
Iringa	73,600	13,857	125,314	49,065	64,335	326,171
Mbeya	80,993	81,906	354,687	117,385	163,437	798,407
Singida	185,803	34,498	595,428	185,016	202,154	1,202,899
Tabora	114,092	39,337	312,114	136,734	150,009	752,286
Rukwa	91,125	12,480	135,158	54,663	64,753	358,180
Kigoma	29,540	21,357	144,013	31,088	94,547	320,545
Shinyanga	186,263	47,449	538,319	172,695	182,066	1,126,793
Kagera	103,798	28,581	302,749	100,753	115,174	651,054
Mwanza	240,148	38,031	642,818	188,881	191,886	1,301,763
Mara	189,899	35,085	473,235	113,137	173,159	984,515
Manyara	325,906	148,804	786,754	285,818	232,143	1,779,423
Njombe	29,970	22,531	72,002	10,903	25,098	160,504
Katavi	41,860	6,488	78,083	19,427	44,588	190,445
Simiyu	229,761	99,240	602,173	170,489	183,208	1,284,871
Geita	122,623	26,305	450,445	148,937	135,255	883,565
MAINLAND	**2,954,732**	**1,010,789**	**9,188,926**	**2,729,384**	**3,063,826**	**18,947,657**
Kaskazini Unguja	2,816	244	6,576	1,801	2,168	13,604
Kusini Unguja	5,712	723	13,153	1,846	4,173	25,606
Mjini Magharibi	3,322	-	19,183	2,887	3,821	29,213
Kaskazini Pemba	1,496	837	10,280	2,049	3,960	18,621
Kusini Pemba	2,566	902	9,281	2,440	5,760	20,949
ZANZIBAR	**16,026**	**2,878**	**58,147**	**10,921**	**20,022**	**107,993**
TANZANIA	**2,970,758**	**1,013,667**	**9,247,073**	**2,740,305**	**3,083,848**	**19,055,651**

(-)==Insufficient data available from survey

Table 6: Total Number of Sheep by Region as of 1st October 2017

	Total Number of Sheep					
Region	**Ram**	**Castrated Sheep**	**Female Sheep**	**Male Lamb**	**Female Lamb**	**Total**
Dodoma	47,481	11,344	155,740	55,044	49,810	319,418
Arusha	27,511	54,074	352,338	116,405	108,890	659,218
Kilimanjaro	22,699	15,756	90,408	22,131	30,904	181,898
Tanga	65,461	15,084	90,906	30,339	44,596	246,386
Morogoro	75,683	17,520	257,694	55,786	78,942	485,625
Pwani	15,364	4,895	35,770	10,711	11,842	78,582
Dar-es-salaam	S	S	1,086	697	558	2,998
Lindi	S	S	S	S	S	292
Mtwara	1,028	3,560	12,620	4,193	14,319	35,721
Ruvuma	290	-	3,908	1,328	3,561	9,088
Iringa	9,636	4,911	36,774	4,473	8,931	64,725
Mbeya	3,530	8,206	66,772	33,361	16,106	127,974
Singida	51,429	10,031	162,710	41,451	50,717	316,338
Tabora	112,531	33,421	239,179	137,424	25,914	548,469
Rukwa	9,123	5,003	39,670	9,546	14,465	77,807
Kigoma	7,592	-	21,743	3,824	17,528	50,687
Shinyanga	30,471	14,037	122,826	42,862	43,328	253,524
Kagera	15,699	4,966	39,497	11,825	22,348	94,335
Mwanza	77,786	11,428	165,505	33,396	61,719	349,834
Mara	85,947	4,683	197,530	62,826	66,211	417,198
Manyara	61,299	49,069	180,943	77,301	75,362	443,973
Njombe	1,709	3,548	6,458	1,366	695	13,776
Katavi	5,695	1,832	14,300	3,536	5,180	30,543
Simiyu	138,822	30,144	271,327	85,238	111,738	637,269
Geita	19,696	3,366	58,553	15,730	22,446	119,790
MAINLAND	**884,473**	**309,404**	**2,605,934**	**857,506**	**908,152**	**5,565,468**
Kaskazini Unguja	S	S	S	S	S	S
Kusini Unguja	S	S	S	S	S	S
Mjini Magharibi	S	S	S	S	S	S
Kaskazini Pemba	S	S	S	S	S	S
Kusini Pemba	S	S	S	S	S	S
ZANZIBAR	**S**	**S**	**S**	**S**	**S**	**517**
TANZANIA	**S**	**S**	**S**	**S**	**S**	**5,565,986**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 7: Total Number of Chickens by Region as of 1st October 2017

Region	Indigenous	Layers	Broilers	Total
Dodoma	1,513,116	30,256	25,919	1,569,292
Arusha	896,989	20,951	31	917,971
Kilimanjaro	1,711,720	40,911	65,267	1,817,898
Tanga	1,539,387	181,531	12,780	1,733,698
Morogoro	1,987,134	1,237,654	-	3,224,788
Pwani	1,854,489	19,277	100,360	1,974,126
Dar-es-salaam	861,644	152,483	197,045	1,211,172
Lindi	955,579	189	295	956,063
Mtwara	1,476,190	-	2,069	1,478,259
Ruvuma	1,352,738	9,373	93,066	1,455,178
Iringa	1,799,926	8,961	121,832	1,930,719
Mbeya	1,842,894	419,439	-	2,262,333
Singida	2,184,743	71,763	230,889	2,487,395
Tabora	2,829,024	115,159	-	2,944,183
Rukwa	982,646	22,519	605	1,005,771
Kigoma	787,277	1,704	-	788,980
Shinyanga	2,332,826	27,385	3,302	2,363,514
Kagera	1,204,950	2,639	20,117	1,227,706
Mwanza	1,860,567	27,452	34,543	1,922,562
Mara	1,950,150	25,797	-	1,975,947
Manyara	1,720,181	209,861	24,737	1,954,779
Njombe	732,252	100,229	122,943	955,423
Katavi	792,051	1,575	11,257	804,884
Simiyu	1,966,118	22,221	22,696	2,011,035
Geita	1,460,516	15,538	77,490	1,553,543
MAINLAND	**38,595,106**	**2,764,868**	**1,167,244**	**42,527,218**
Kaskazini Unguja	279,338	48,744	-	328,082
Kusini Unguja	358,931	24,298	8,850	392,079
Mjini Magharibi	110,444	198,026	22,874	331,345
Kaskazini Pemba	415,574	-	-	415,574
Kusini Pemba	590,498	11,331	-	601,830
ZANZIBAR	**1,754,786**	**282,400**	**31,724**	**2,068,910**
NATIONAL	**40,349,893**	**3,047,267**	**1,198,968**	**44,596,128**

(-)==Insufficient data available from survey

Table 8: Total Number of Pigs by Region as of 1st October 2017

Region	Boar	Castrated Male	Sow / Gilt	Male Piglet	Female Piglet	Total
Dodoma	16,278	14,914	47,530	33,901	21,913	134,537
Arusha	10,692	1,447	22,012	4,395	5,047	43,592
Kilimanjaro	13,908	11,033	16,385	8,104	10,939	60,370
Tanga	2,052	31,592	19,806	17,383	18,860	89,694
Morogoro	36,243	3,774	19,878	39,487	12,713	112,095
Pwani	330	-	4,599	5,157	11,335	21,420
Dar-es-salaam	2,709	-	10,835	1,354	1,806	16,704
Lindi	116	-	191	144	168	620
Mtwara	555	-	7,274	2,426	1,966	12,221
Ruvuma	19,887	8,312	57,775	22,370	8,346	116,689
Iringa	29,042	4,426	26,421	9,942	16,430	86,261
Mbeya	88,983	168,575	245,105	91,055	119,346	713,063
Singida	7,168	543	18,126	7,247	16,025	49,108
Tabora	5,286	10,094	46,274	27,805	27,720	117,178
Rukwa	6,432	1,971	28,086	18,733	25,558	80,780
Kigoma	1,306	945	3,400	4,036	3,417	13,105
Shinyanga	8,812	3,070	32,045	3,557	22,715	70,199
Kagera	7,690	1,396	23,959	1,039	6,601	40,686
Mwanza	1,494	-	3,229	3,016	4,511	12,249
Mara	2,381	-	2,229	3,272	3,615	11,498
Manyara	13,887	2,031	26,224	3,948	8,316	54,406
Njombe	2,849	4,747	15,460	3,536	2,010	28,601
Katavi	4,280	470	5,145	2,632	4,548	17,074
Simiyu	1,138	998	4,390	674	378	7,579
Geita	9,322	2,946	15,361	6,290	9,152	43,071
MAINLAND	**302,785**	**259,278**	**708,742**	**314,642**	**367,353**	**1,952,801**
Kaskazini Unguja	-	-	-	-	-	-
Kusini Unguja	S	S	S	S	S	S
Mjini Magharibi	-	-	-	-	-	-
Kaskazini Pemba	-	-	-	-	-	-
Kusini Pemba	-	-	-	-	-	-
ZANZIBAR	S	S	S	S	S	S
TANZANIA	S	S	S	S	S	S

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

Table 9: Total Number of Other Livestock by Region as of 1st October 2017

Region	Ducks	Guinea Pigs	Turkey	Rabbits	Donkey	Dogs
Dodoma	30,236	-	-	2,115	31,083	99,411
Arusha	6,858	14,115	S	6,211	58,992	44,531
Kilimanjaro	31,298	-	12,269	16,160	17,874	53,548
Tanga	201,135	-	641	2,135	18,712	57,615
Morogoro	163,106	-	124,116	2,638	-	37,529
Pwani	89,720	-	-	-	936	26,224
Dar-es-salaam	178,111	-	48,968	1,303	-	7,266
Lindi	4,566	-	S	189	-	17,080
Mtwara	29,971	-	3,275	-	-	3,123
Ruvuma	12,404	3,694	3,913	2,040	-	16,345
Iringa	15,774	312,263	8,005	9,260	4,240	51,297
Mbeya	69,172	59	-	12,914	25,448	59,802
Singida	48,889	1,174	5,222	782	72,644	127,585
Tabora	80,596	-	-	1,579	41,262	266,864
Rukwa	39,796	5,660	S	25,113	16,120	45,797
Kigoma	2,234	-	-	2,271	-	105,450
Shinyanga	149,786	4,319	3,621	7,140	32,427	174,926
Kagera	53,560	-	-	20,069	1,725	39,389
Mwanza	170,800	7,803	2,925	2,555	17,531	516,703
Mara	144,387	-	-	10,789	24,653	213,939
Manyara	11,527	208	1696.02	1,932	113,623	181,207
Njombe	18,416	210,949	-	19,468	14,415	5,158
Katavi	46,515	4,650	-	1,050	1672.51	17,606
Simiyu	81,449	-	989	2,967	31,998	62,214
Geita	151,757	-	1,169	-	21,641	177,519
MAINLAND	**1,832,064**	**564,894**	**216,931**	**150,681**	**546,996**	**2,408,129**
Kaskazini-Unguja	28,017	-	1,195	-	S	1,956
Kusini Unguja (South-Central)	11,097	385	-	2,344	-	1,979
Mjini Magharibi (West)	19,647	-	681	5,554	-	1,756
Kaskazini-Pemba	16,718	-	-	-	-	748
Kusini-Pemba	26,587	-	418	-	S	1,127
ZANZIBAR	**102,066**	**385**	**2,294**	**7,898**	**85**	**7,567**
NATIONAL	**1,934,131**	**565,278**	**219,225**	**158,579**	**547,081**	**2,415,695**

S==Withheld to avoid disclosing data for individual operation. Total includes withheld data

(-)==Insufficient data available from survey

QUESTIONNAIRE

CONFIDENTIAL

United Republic of Tanzania

ANNUAL AGRICULTURE SAMPLE SURVEY 2016/2017

(This information is collected under the Act of the National Bureau of Statistics (Act No. 9 of 2015))

THIS INFORMATION IS STRICTLY CONFIDENTIAL AND IS TO BE USED FOR STATISTICAL PURPOSES ONLY

Ministry of Agriculture, Livestock and Fisheries; Ministry of Agriculture and Natural Resources, Zanzibar; Ministry of Livestock and Fisheries, Zanzibar; President's Office, Regional Administration and Local Governments; Ministry of Industry, Trade and Investment; National Bureau of Statistics; and the Office of the Chief Government Statistician, Zanzibar.

SECTION A: IDENTIFICATION BLOCK

Sample Point ID

Y(S) | | | | | | | | |

X(E) | | | | | | | | |

CODE

1. REGION | | | _____
2. DISTRICT | | | _____
3. WARD/SHEHIA | | | | _____
4. VILLAGE/STREET | | | _____
5. ENUMERATION AREA | | | | _____
6. STRATA | | | |
7. SAMPLE POINT | | | | |
8. NAME OF LOCAL LEADER/SHEHIA _____

9.RESULTS OF INTERVIEW:

Complete interview….....1
Refusal and break off ….....2
Point is not accessible.....3
Operator is not accessible.....4
Unknown farm operations 5

IF CODE 2-5 GIVE COMMENTS AND COMPLETE SECTION 1:

SECTION 1: POINT DETAILS

1.1 Is the land on which this point falls part of a farming operation (a farm) or farmer's residence? [**ChooseOne answer]**

1	Yes [Skip to section 2]
2	No [Go to question 1.2]
3	Point is not accessible **[Explain, then skip to Section 10.]**

1.2 Point did not find a farm: What is the land-use at this point? [**Choose One answer**.]

1	Public Road
2	Railroad
3	Central business district, including worship and commercial premises
4	Formal residential area (make sure it is not a farmer's residence)
5	Informal residential area (make sure it is not a farmer's residence)
6	Ocean, river, stream, lake, dam or pond
7	Game, natural or forest reserve
8	Mining operation
9	Other [Specify]
	[Skip to Section 10.]

SECTION 2: FARM OPERATOR DETAILS

[*Find and interview the day-to-day decision-maker OR person knowledgeable for this farming operation.]*

2.1 Do you make or are you knowledgeable of the day-to-day decisions regarding the land on which this point falls? [***Choose One answer***]

Yes	…..……..	1
No	…….	2

2.2 Who is the respondent? [***Choose One answer***.]

Farmer/decision-maker	……	1
Spouse of farmer/decision-maker	……	2
Accountant/bookkeeper	……	3
Permanent Farm worker	……	4
Other knowledgeable person	……	5

2.3 What are your (the farm operator's) contact details?

Operation name: ……..
Operator name: ……..……..
Sex of Operator: Male ……1 Female ……2
Postal Address: …….
Telephone: ……..
E-mail: ……
Fax: ……

2.4 Type of Agricultural Operation

Crop Only	…..……..	1
Livestock only	…….	2
Crops and Livestock	…….	3

2.5 Is this farm registered/certificate of ownership? (*a land on which this point falls*)

Yes	…..……..	1
No	…….	2

3.1 SECTION 3.0: FARM AREA

What is the land-use at the point? [*Tick all that apply*.]

☐	Maize	☐	Cattle
☐	Paddy	☐	Goat
☐	Wheat	☐	Sheep
☐	Sorghum	☐	Chicken
☐	Bulrush Millet	☐	Grazing Land
☐	Finger Millet	☐	Fallow Land
☐	Beans		
☐	Fresh Cassava		
☐	Irish Potato		
☐	Sweet Potato		
☐	Banana		
☐	Cotton		
☐	Other crop: [Specify:]		
☐	Other Land use: [Specify:]		

3.2 In this plot where the **point** fell, how many acres have been planted with the crop(s), used for raising Livestocks or other land use as indicated in Question 3.1?

☐☐☐☐.☐☐

Now I would like to ask about the total area of this farming operation, As of the last Agriculture year (1 October 2016 - 30 September 2017),

3.3 a) How many acres did this farming operation:

i) Own

ii) Rented from others

iii) Rented to others

3.3 b) [*Calculate Items 3.3a (i) + 3.3a (ii) - 3.3a(iii), write the answer below.]*

So the total area of this farming operation was:

3.3 c) Does the total in question 3.3b include land under farm structures, cropland, fallow land, pasture, wasteland, dams, etc.?

Yes ……..1 [*Continue*]

No ……..2 [*Make corrections to 3.3a (i), 3.3a (ii), and/or 3.3a (iii), then continue.]*

3.3 d) How was this answer obtained? [*Tick one*]

1 Reported by respondent

2 Estimated by respondent

3 Respondent does not know and cannot estimate

3.4 What is the total number of Fields operated for crops/Livestock? **NUMBER**

Draw a sketch of the farming operation, showing the approximate location of all Fields planted for harvest during the October 1, 2016 through September 30, 2017 production season**.**

Record area of each Field

Assign field #1 to the largest field, assign field #2 to the next largest field, until all field are assigned a number.

Note the crop(s) planted in each field.

SECTION 4: CROPS DURING SHORT (VULI) RAINY SEASON OF 2016/17 AGRICULTURE YEAR

4.1 Did you cultivate crops during the shorty (vuli) rainy season?

Yes……1 *[Continue]*

No…….2 *[Skip to Section 5]* ☐

Field	**Total Field Area (Acres)**	**Plot**	**Crop code**	**Crop name**	Was this plot irrigated? Yes…1 No…..2 -> col 10	**Source of water** Rivers……....1 Tape water…..2 Well……....3 Dams……..…4 Lake……..5 Other specify 9 …….	**Methods of Irrigation** Gravity……1 Bucket…….2 Hand pump…….3 Water pump……4 other specify….. 5	Irrigated area (acres)	Area Planted (acres)	Area Harvested (acres) (If not harvested write Zero > column 22)
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 6)*	*(col 7)*	*(col 8)*	*(col 9)*	*(col 10)*	*(col 11)*

Field	Total Field Area (Acres)	Plot	Crop code	Crop name	Harvest				Sold	
					Quantity Harvested (KG)	Unit Bags…....1 Bunch…..2 Tins/Bucket....3 Number….4 Kg……...5	KG/Unit	Total KG	Did you sell the harvested Crop Yes……1, No…...2 (If the answer is No , go to another crop)	Quantity sold (KG)
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 12)*	*(col 13)*	*(col 14)*	*(col 15)*	*(col 16)*	*(col 17)*

Field	Total Field Area (Acres)	Plot	Crop code	Crop name	Sold				Reasons for not Harvesting
					Unit Bags…...1 Bunch…..2 Tins/Bucket....3 Number….4 Kg……...5	KG/Unit	Total KG	Average price /Kg (Fill Col 21 and > next crop)	Crops not harvested yet..1 Drought…….....2 Rain/flood damage.....3 Fire damage…….....4 Pest damage..... ….....5 Animal damage.....6 Theft.....….....7
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 18)*	*(col 19)*	*(col 20)*	*(Col 21)*	*(Col 22)*

SECTION 5: CROPS DURING LONG (MASIKA) RAINY SEASON OF 2016/17 AGRICULTURE YEAR

5.1 Did you cultivate crops during the long (masika) rainy season?

Yes……1 *[Continue]*
No…….2 *[Skip to Section 6]* ☐

Field	**Total Field Area (Acres)**	**Plot**	**Crop code**	**Crop name**	Was this plot irrigated? Yes…1 No…..2 -> col 10	**Source of water** Rivers……....1 Tape water…..2 Well……....3 Dams……..…4 Lake……..5 Other specify 9 …….	**Methods of Irrigation** Gravity…….1 Bucket…….2 Hand pump…….3 Water pump……4 other specify….. 5	Irrigated area (acres)	Area Planted (acres)	Area Harvested (acres) (If not harvested write Zero > column 22)
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 6)*	*(col 7)*	*(col 8)*	*(col 9)*	*(col 10)*	*(col 11)*

Field	Total Field Area (Acres)	Plot	Crop code	Crop name	Harvest				Sold	
					Quantity Harvested (KG)	Unit Bags…....1 Bunch…..2 Tins/Bucket....3 Number….4 Kg……...5	KG/Unit	Total KG	Did you sell the harvested Crop Yes……1, No…...2 (If the answer is No , go to another crop)	Quantity sold (KG)
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 12)*	*(col 13)*	*(col 14)*	*(col 15)*	*(col 16)*	*(col 17)*

Field	Total Field Area (Acres)	Plot	Crop code	Crop name	Sold				Reasons for not Harvesting
					Unit Bags…...1 Bunch…..2 Tins/Bucket....3 Number….4 Kg……...5	KG/Unit	Total KG	Average price /Kg (Fill Col 21 and > next crop)	Crops not harvested yet..1 Drought…….....2 Rain/flood damage.....3 Fire damage…….....4 Pest damage..... ….....5 Animal damage.....6 Theft.....….....7
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 18)*	*(col 19)*	*(col 20)*	*(Col 21)*	*(Col 22)*

SECTION 6: PERMANENT CROPS GROWN DURING 2016/17 AGRICULTURE YEAR

6.1 Did you cultivate permanent crops?

Yes……1 *[Continue]*
No…….2 *[Skip to Section 7]* ☐

Field	**Total Field Area (Acres)**	**Plot**	**Crop code**	**Crop name**	Was this plot irrigated? Yes…1 No…..2 -> col 10	**Source of water** Rivers……....1 Tape water…..2 Well……....3 Dams……..…4 Lake……..5 Other specify 9 …….	**Methods of Irrigation** Gravity……1 Bucket…….2 Hand pump…….3 Water pump……4 other specify….. 5	Irrigated area (acres)	Area Planted (acres)	Area Harvested (acres) (If not harvested write Zero > column 22)
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 6)*	*(col 7)*	*(col 8)*	*(col 9)*	*(col 10)*	*(col 11)*

Field	Total Field Area (Acres)	Plot	Crop code	Crop name	Harvest				Sold	
					Quantity Harvested (KG)	Unit Bags…....1 Bunch…..2 Tins/Bucket....3 Number….4 Kg……...5	KG/Unit	Total KG	Did you sell the harvested Crop Yes……1, No…...2 (If the answer is No , go to another crop)	Quantity sold (KG)
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 12)*	*(col 13)*	*(col 14)*	*(col 15)*	*(col 16)*	*(col 17)*

Field	Total Field Area (Acres)	Plot	Crop code	Crop name	Sold				Reasons for not Harvesting
					Unit Bags…...1 Bunch…..2 Tins/Bucket....3 Number….4 Kg……...5	KG/Unit	Total KG	Average price /Kg (Fill Col 21 and > next crop)	Crops not harvested yet..1 Drought…….....2 Rain/flood damage.....3 Fire damage….....4 Pest damage..... ….....5 Animal damage.....6 Theft.....….....7
(col 1)	*(col 2)*	*(col 3)*	*(col 4)*	*(col 5)*	*(col 18)*	*(col 19)*	*(col 20)*	*(Col 21)*	*(Col 22)*

SECTION 7: COST OF PRODUCTION

7.1 Short rainy season

Did the farm operator purchase any inputs for use during the2016/17 short rainy season?

Yes……1 *[Continue]*

No…….2 *[If no go to question 7.2]* ☐

	Inputs	Cost (tsh)	Voucher Used/Subsidies Yes (1) No (2)
	(1)	*(2)*	*(3)*
7.1.1	Seeds		
7.1.2	Fertilizer		☐
7.1.3	Insecticide		
7.1.4	Fungicide		
7.1.5	Herbicide		
	Grand Total		

7.2 Long rainy season

Did the farm operator purchase any inputs for use during the2016/17 long rainy season?

Yes……1 *[Continue]*

No…….2 *[If no go to question 8]* ☐

	Inputs	Cost (tsh)	Voucher Used/Subsidies Yes (1) No (2)
	(1)	*(2)*	*(3)*
7.1.1	Seeds		
7.1.2	Fertilizer		☐
7.1.3	Insecticide		
7.1.4	Fungicide		
7.1.5	Herbicide		
	Grand Total		

7.2 Permanent Crops

Did the farm operator purchase any inputs for use during the2016/17 crop year?

Yes……1 *[Continue]*

No…….2 *[If no go to question 8]*

	Inputs	Cost (tsh)	Voucher Used/Subsidies Yes (1) No (2)
	(1)	*(2)*	*(3)*
7.1.1	Seeds		
7.1.2	Fertilizer		
7.1.3	Insecticide		
7.1.4	Fungicide		
7.1.5	Herbicide		
	Grand Total		

SECTION 8: LIVESTOCK

8.1 CATTLE

Did the farm operator own, raise or manage any **CATTLE during the last 12 month?**

Yes……1 *[Continue]*

No…….2 *[If no go to question 8.3]* ☐

Cattle Population as of 1st October 2017

	Cattle type	Number of Indigenous	Number of Improved		Total
			Beef	Dairy	
	(1)	*(2)*	*(3)*	*(4)*	*(5)*
8.1.1	Castrated Bulls (Oxen)				
8.1.2	Uncastrated Bulls				
8.1.3	Cows				
8.1.4	Steers				
8.1.5	Heifers				
8.1.6	Male Calves				
8.1.7	Female Calves				
				Grand Total	

8.2 MILK PRODUCTION

Did the farm operator produce any milk during the last 12 months?

Yes……1 *[Continue]*

No…….2 *[If no go to question 8.3]* ☐

	(1)	Cattle type (2)	Number of milked cows (3)	Average milk production per cow per day (Litres) (4)	Average number of days for cows were milked (5)	Average price per litre (Tshs) (6)
8.2.1	Wet Season	Improved Diary				
8.2.2		Indigenous				
8.2.3	Dry Season	Improved Diary				
8.2.4		Indigenous				

8.3 GOAT

Did the farm operators own, raise or manage any **GOATS**

Yes……1 *[Continue]*

No…….2 *[If no go to question 8.5]* ☐

Goat Population as of 1st October 2017

	Goat type (1)	Number of Indigenous (2)	Number of Improved		Total (5)
			For meat (3)	Dairy (4)	
8.3.1	Billy Goat				
8.3.2	Castrated Goat				
8.3.3	She Goat				
8.3.4	Male Kid				
8.3.5	She Kid				
				Grand Total	

8.4 MILK PRODUCTION

Did the farm operator produce any milk during the last 12 months?

Yes……1 *[Continue]*

No…….2 *[If no go to question 8.5]* ☐

	Season	Number of milked goats	Average milk production per cow per day (Litres)	Average number of days for goats on milked	Average price per litre (Tshs)
	(1)	*(2)*	*(3)*	*(4)*	*(5)*
8.4.1	Wet Season				
8.4.2	Dry Season				

Sheep Population as of 1st October 2017

8.5 SHEEP

Did the farm operator own, raise or manage any **SHEEP** during the last 12 months?

Yes……..1 *[Continue]*

No……..2 *[If no go to question 8.6]* ☐

	Sheep type	Number of Indigenous	Number of Improved		Total
			For Mutton	Dairy	
	(1)	*(2)*	*(3)*	*(4)*	*(5)*
8.5.1	Ram				
8.5.2	Castrated Sheep				
8.5.3	She Sheep				
8.5.4	Male lamb				
8.5.5	She lamb				
				Grand Total	

Pig Population as of 1st October 2017

8.6 PIG

Did the farm operator, raise or manage any **PIGS** during the last 12 months?

Yes……..1

No……..2 ☐

	Pig type	Total
	(1)	*(2)*
8.6.1	Boar	
8.6.2	Castrated male	
8.6.3	Sow/Gilt	
8.6.4	Male piglet	
8.6.5	She piglet	
	Grand Total	

8.7 OTHER LIVESTOCK

Did the farm operator own, raise or manage any **OTHER LIVESTOCK** during the last 12 months

Yes……..1 *[Continue]* ☐

No……..2 *[If no go to Section 9]*

8.6 PIG

Did the farm operator, raise or manage any **PIGS** during the last 12 months?

Yes……..1 ☐

No……..2

Number as of 1 st October 2017

	Animal type	**Total**	**Number of eggs during the last 12 months**		**Animal type**	**Total**
	(1)	*(2)*	*(3)*		*(1)*	*(2)*
8.5.1	Indigenous Chicken			8.6.1	Turkeys	
8.5.2	Layer			8.6.2	Rabbits	
8.5.3	Broiler			8.6.3	Donkeys	
8.5.4	Ducks			8.6.4	Horses	
8.5.5	Guinea pigs			8.6.5	Dogs	
	Grand Total				**Grand Total**	

SECTION 9: FISH FARMING

9.1 Was fish farming carried out by this farm operation during the 2016/2017 agricultural year (1 Oct 2016 - 30 Sep 2017)?

Yes……1 *[Continue]*

No…….2 *[If no go to Section 10]* ☐

9.2 Specify details of **fish farming** practices

Production unit Number	Fish farming system	Size of unit/ pond (m^2)	Source of fingerling	Frequency of stocking (No./ Year)	Number of Stocked Fish		Number of fish harvested	Weight of fish (Kg)		
					Type of Fish	Number of Fish raised		Weight of fish harvested	Weight of fish sold	Price per Kg
(Col 1)	*(Col 2)*	*(Col 3)*	*(Col 4)*	*(Col 5)*	*(Col 6)*	*(Col 7)*	*(Col 8)*	*(Col 9)*	*(Col 10)*	*(Col 11)*

Farming system

Natural pond……1
Other……9
Dug out pond……2
Water reservoir……3

Source of fingerling

Own pond……1
Neighbour……2
Government institution……3
Private trade……4
NGO/Project……5

Type of Fish

Prawns……1
Milkfish……2
Crabs……3
Sea cucumber……4
Trout……5

SECTION 10: CONCLUSION

This completes our survey. Thank you for your assistance.

Enumerator's name: _____

Date questionnaire completed: _____

Enumerator notes/comments:

_____

_____

_____

_____

_____

_____

_____

Supervisor's Name: _____

Date questionnaire reviewed: _____

_____

Editor's Name: _____

Date edited: _____

Data entry's Name: _____

Date entered: _____

Crop Codes

Cereals/tubers/roots:
Maize.....11
Paddy.....12
Sorghum.....13
Bulrush Millet.....14
Finger Millet.....15
Wheat.....16
Barley.....17
Cassava.....21
Sweet Potatoes.....22
Irish potatoes.....23
Yams.....24
Cocoyams.....25
Onions.....26
Ginger.....27

Legumes, Oil & fruit:
Beans.....31
Cowpeas.....32
Green gram.....33
Chick peas.....35
Bambara nuts.....36
Field peas.....37
Sunflower.....41
Sesame.....42
Groundnut.....43
Soyabeans.....47
Caster seed.....48

Fruits:
Passion Fruit....70
Banana.....71
Avocado.....72
Mango.....73
Papaw.....74
Orange.....76
Grapefruit.....77
Grapes.....78
Mandarin.....79
Guava.....80
Plums.....81
Apples.....82
Pears.....83
Peaches.....84
Lime.....851
Lemon.....852
Pomelo.....68
Jack fruit.....69
Durian.....97
Bilimbi.....98
Rambutan.....99
Bread fruit.....67
Malay apple.....38
Star fruit.....39
Custard Apple....200
God Fruit.....201
Mitobo.....202
Plum.....203
Peaches.....204
Pomegranate.....205
Date.....210
Tungamaa.....211
Vanilla.....212

Vegetables:
Cabbage.....86
Tomatoes.....87
Spinach.....88
Carrot.....89
Chilies.....90
Amaranths.....91
Pumpkins.....92
Cucumber.....93
Egg Plant.....94
Water Mellon.....95
Cauliflower.....96
Okra.....100
Fiwi.....101

Cash Crops:
Cotton.....50
Tobacco.....51
Pyrethrum.....52
Jute.....62
Seaweed.....19

Permanent Crops:
Sisal.....53
Coffee.....54
Tea.....55
Cocoa.....56
Rubber.....57
Wattle.....58
Kapok.....59
Sugar cane.....60
Cardamom 61
Tamarind.....63
Cinnamon.....64
Nutmeg.....65
Clove.....66
Black Pepper.....18
Pigeon pea.....34
Cassava.....21
Pineapple.....75
Palm Oil.....44
Coconut.....45
Cashew nut.....46
Green Tomato.....300
Monkeybread.....301
Bamboo.....302
Firewood/fodder..303
Timber.....304
Medicinal plant..305
"Fence tree".....306
Other.....998