United Republic of Tanzania

# NATIONAL SAMPLE CENSUS OF AGRICULTURE 2002/2003

## Volume I: TECHNICAL AND OPERATION REPORT

National Bureau of Statistics, Ministry of Agriculture and Food Security, Ministry of Water and Livestock Development, Ministry of Cooperatives and Marketing, Presidents Office, Regional Administration and Local Government, Ministry of Finance and Economic Affairs – Zanzibar

September 2006

# TABLE OF CONTENTS

Table of contents ..... i
Acronyms ..... v
Preface ..... vi

**Chapter 1: General background ..... 1**
1.1 Introduction ..... 1
1.2 Rationale of the Agriculture Sample Census ..... 1
*1.2.1 Census Objectives ..... 2*
*1.2.2 Census Coverage ..... 2*
*1.2.3 Census Scope ..... 2*
1.3 Main Activities Undertaken ..... 3
**Chapter 2: Methodology ..... 4**
2.1 Census Organisation ..... 4
2.2 Tabulation Plan Preparation ..... 4
2.3 Sample Design ..... 4
2.4 Questionnaire Design and Other Census Instruments ..... 5
2.5 Field Pre-testing of the Census Instruments ..... 5
2.6 Training of trainers, supervisors and enumerators ..... 5
2.7 Information, Education and Communication (IEC) Campaign ..... 5
2.8 Data Collection ..... 6
2.9 Field supervision and Consistence Checks ..... 6
2.10 Data Processing and Analysis ..... 6
*2.10.1 Data Entry ..... 6*
*2.10.2 Data Structure Formatting ..... 7*
*2.10.3 Batch Validation ..... 7*
*2.10.4 Tabulations ..... 7*
*2.10.5 Analysis and Report Preparation ..... 7*
2.11 Data Quality ..... 7
2.12 Funding Arrangement ..... 8

**Chapter 3: The Sample Census Organization ..... 9**
3.1 General Overview ..... 9
3.2 Sample Census Administration ..... 9
*3.2.1 National Level ..... 9*
*3.2.2 Regional Level ..... 9*
*3.2.3 District Level ..... 10*
3.3 Composition and Functions of Technical Committee ..... *10*
*3.3.1 Agriculture Sample Census Technical Committee ..... 10*
*3.3.2 Census and surveys Technical Working Group ..... 10*
*3.3.3 Information, Education and communication (IEC) Advocacy for the agricultural Sample Census ..... 11*

3.4 Logistics for the Agricultural Sample Census ..... 11
*2.4.1 Logistics Team ..... 11*

**Chapter 4: The Sample Design for the 2003 Agricultural Sample Census ..... 13**
4.1 Introduction ..... 13
4.2 Design of the National Master Sample ..... 13
4.3 Design of the National Sample Census of Agriculture ..... 13
4.4 Estimation ..... 16
*4.4.1 Village/EA estimates ..... 16*
*4.4.2 District Estimates ..... 16*
*4.4.3 Regional Estimates ..... 17*
*4.4.4 National Estimates ..... 17*
4.5 Weights or Expansion Factors (Primary and Secondary stage weighting factors) ..... 17
*4.5.1 Primary stage weighting factors ..... 18*
*4.5.2 Secondary stage weighting factors ..... 18*
*4.5.3 The final weights table ..... 19*
4.5 Calculation of Sampling Errors ..... 20

**Chapter 4: General Terms, Concepts and Definitions ..... 23**
5.1 Important Considerations ..... 23
5.2 Concepts and Definitions ..... 23
*5.2.1 Household and Holding ..... 23*
*5.2.2 Holding Characteristics ..... 24*
*5.2.3 Land Access/Ownership/Tenure ..... 24*
*5.2.4 Land Use ..... 25*
*5.2.5 Livestock ..... 26*
*5.2.6 Poultry ..... 27*
*5.2.7 Irrigation ..... 28*
*5.2.8 Drainage ..... 28*
*5.2.9 Plot* ..... 28
5.3 Fertilizers and Pesticides ..... 28
*5.3.1 Fertilizers ..... 27*
*5.3.2 Pesticides ..... 28*
5.4 Large Scale Farms ..... 29
5.5 Small Scale Farms ..... 29
5.6 Operator ..... 29
5.7 Masika Season ..... 29
5.8 Vuli Season ..... 29
5.9 Fish Farming ..... 29
5.10 Hunting and Gathering ..... 29
5.11 Bee Keeping ..... 29

**Chapter 6: Agricultural Sample Census Preparations ..... 30**
6.1 Introduction ..... 30
6.2 Work Plan and Budget Preparation ..... 30
6.3 Design of the Agricultural Sample Census Instruments ..... 30
*6.3.1 Listing Forms ..... 30*
*6.3.2 Questionnaires ..... 30*
*6.3.3 Instructions Manuals (Training Manual and Enumerator's Manual) ..... 31*
6.4 Preparation of Tabulation Plan ..... 31
6.5 Formation of National Agricultural Agriculture Sample Census Technical Committee ..... 32
6.6 User/Producer Workshop ..... 32
6.7 Pretests ..... 32
6.8 Preparation of information, Education and Communication (IEC) Material ..... 32
6.9 Pre-implementation assessment ..... 33
6.10 Census Logistics ..... 33
*6.10.1 Procurement of Materials and Printing of Agricultural Sample Census instruments and IEC Materials ..... 34*
*6.10.2 Transportation and Distribution of Sample Census Instruments and Material to Regions ..... 34*
6.11 Training of Field Staff ..... 34
*6.11.1 The National Level Training ( Training of trainers (TOT) ..... 34*
*6.11.2 The District Level Training ..... 35*

**Chapter 7: Agricultural Sample Census Field Work ..... 36**
7.1 Introduction ..... 36
7.2 Field Organization ..... 36
7.3 Listing Exercise ..... 36
7.4 Enumeration Exercise ..... 37
*7.4.1 Small Holder Enumeration ..... 37*
*7.4.2 The post Enumeration Checks ..... 38*
*7.4.3 Enumeration of Large Scale Farms ..... 38*
*7.4.4 Community Level Enumeration ..... 38*
7.5 Collection and Reception of the Sample Census Questionnaires from Regions ..... 38

**Chapter 8: Agricultural Sample Census Data Processing ..... 39**
8.1 Data processing ..... 39
8.2 Manual Editing for Filled in Agriculture Sample Census Questionnaires ..... 39
8.3 Scanning and Data Capture ..... 39
*8.3.1 Scanning and Paper Handling ..... 40*
*8.3.2 Intelligent/Optical Character Recognition ..... 41*
*8.3.3 Lessons Learned from the Scanning/Extraction Processes ..... 44*
8.4 Design of a Formatting Application ..... 45
8.5 Data Validation and cleaning Exercise ..... 45
8.6 Tabulation of the Agriculture Sample Census Data Set ..... 45

8.7 Application of Sampling Weights ..... 46

**Chapter 9: Conclusions ..... 47**

9.1 General Overview ..... 47

9.2 Achievements ..... 47

*9.2.1 Planning for Agriculture Census ..... 47*

*9.2.2 Training of Trainers ..... 46*

*9.2.3 Listing Exercise ..... 47*

*9.2.4 Enumeration Exercise ..... 47*

*9.2.5 Mtteing Census Objectives ..... 47*

9.3 Timeliness in data Production ..... 48

9.4 Accuracy of Results ..... 48

9.5 Problems and Experiences ..... 49

***9.5.1 Problems encountered During Household Listing and Enumeration ..... 49***

***9.5.2 Experiences ..... 50***

**9.6 Data Limitation** ..... 50

Appendices ..... 51

*Appendix I All Sampled Villages ..... 52*

*Appendix II Training Centers ..... 131*

*Appendix III Village Listing Forms ..... 137*

*Appendix IV Small Holder Questionnaire ..... 138*

*Appendix V Large Scale Farm Questionnaire ..... 159*

*Appendix VI Community Level Questionnaire ..... 170*

## ACRONYMS

| | |
|---|---|
| ACLF | Agriculture Census Listing Form |
| CSPro | Census and Surveys Processing System |
| CSTWG | Census and Surveys Technical Working Group |
| DANIDA | Danish Development Agency |
| DFID | Department for International Development |
| EA | Enumeration Area |
| EU | European Union |
| FAO | Food and Agriculture Organization |
| GDP | Gross Domestic Product |
| ICR | Intelligent Character Recognition |
| IEC | Information, Education and Communication |
| JICA | Japan International Cooperation Agency |
| MAFS | Ministry of Agriculture and Food Security |
| MOA | Ministry of Agriculture |
| NACTE | National Council for Technical Education |
| NBS | National Bureau of Statistics |
| NMS | National Master Sample |
| OCR | Optical Character Recognition |
| PPS | Probability Proportional to Size |
| PRS | Poverty Reduction Strategy |
| PSU | Primary Sampling Unit |
| REPOA | Research on Poverty alleviation |
| RSO | Regional statistical Officer |
| SAC | Scotts Agriculture Consultants |
| SPSS | Statistical Package for Social Sciences |
| TASAF | Tanzania Social Action Funds |
| TOT | Training of Trainers |
| ULG | Ultek Laurence Gould Consultants |
| UNDP | United Nations Development Programme |
| UNICEF | United Nations Children Education Funds |

**PREFACE**

At the end of the 2002/03 agriculture year the National Bureau of Statistics and the Office of the Chief Government Statistician in Zanzibar in collaboration with the Ministries of Agriculture and Food Security; Water and Livestock Development; Cooperatives and Marketing as well as the Presidents Office, Regional Administration and Local Government (PORALG) conducted the Agriculture Sample Census for 2002/2003. This is the third Agriculture Census to be carried out in Tanzania, the first one was conducted in 1971/72, the second in 1993/95 (during 1993/94 data on household characteristics and livestock count was collected and data on crop area and production in 1994/95).

It is considered that this census is one of the largest to be carried out in Africa and indeed in many other countries of the world. For the livestock sub-sector the census collected detailed data on cattle, goats, pigs, sheep, chicken and other livestock. It also collected comprehensive information on livestock products, livestock diseases, and access to livestock infrastructure, extension services, fish farming and the contribution of livestock to crop production in the form of farm yard manure and draft power. As a result the reports from this census are much more detailed than previous censuses.

In addition to this, the census was large in its coverage as it provides data that can be disaggregated at district level and thus allow comparisons with the 1998/99 District Integrated Agricultural Survey. The census covered smallholders in rural areas only and large scale farms. This report presents the technical and operational aspects of the census from planning to execution stage. It has also included in the annex all the instruments used in the whole operation.

The extensive nature of the census in relation to its scope and coverage of the livestock and agriculture sub-sectors is a result of the increasing demand for more detailed information to assist in the proper planning of these sub-sectors and in the administrative decentralization of planning to district level. It is hoped that this report will provide deeper understanding on the procedures and techniques applied in carrying out the census.

On behalf of the Government of Tanzania, I wish to express my appreciation for the financial support provided by the Development Partners, in particular, the European Union as well as DFID, UNDP, Japanese government, JICA and others who contributed through the pool fund mechanism.

Finally, my appreciation goes to all those who in one-way or the other contributed to the success of the survey. In particular, I would also like to mention the enormous effort made by the Planning Group composed of professionals from the Agriculture Statistics Department of the National Bureau of Statistics, the Office of the Chief Government Statistician in Zanzibar and the Statistics Unit of the Ministry of Agriculture and Food Security with technical assistance provided by Ultec Lawrence Gould, Scotts Agriculture Consultancy Ltd and the Food and Agriculture Organisation of the United Nations.

Additionally, I would like to extend my appreciation to all professional staff of the National Bureau of Statistics, the sector Ministries of Agriculture and PORALG, the Consultants as well as Regional and District Supervisors and field enumerators for their commendable work. Certainly without their dedication, the census would not have been such a success.

Radegunda Maro
**Ag. Director General**
**National Bureau of Statistics**

# CHAPTER 1: GENERAL BACKGROUND

## 1. Background Information

### 1.1 Introduction

Agriculture is an important economic sector of the Tanzanian economy in terms of food production, employment generation, production of raw material for industries, and generation of foreign exchange earnings. The agricultural sector produces about 46 percent of GDP (Economic Survey, 2004). Having a diversity of climatic and geographical zones, Tanzania's farmers grow a wide variety of food and cash crops as well as fruit, vegetables and spices. Tanzania Mainland has around 50 million hectares of land fit for grazing and has the third largest livestock population in Africa after Sudan and Ethiopia. In 2004 the contribution of livestock to GDP was 4.1 and the contribution of livestock to the agriculture sector was estimated to be 8.9 percent. The main types of livestock raised in Tanzania are cattle, goats, sheep, pigs and chicken. Besides meat production, other products from livestock include hides and skins, milk and eggs. Livestock also contributes to crop and vegetable production by providing draft animals for cultivation and organic fertiliser.

This report (Volume I) covers the technical and operational aspects of the census. Other Census reports include the Crops Report (Volume II), Livestock Report (Volume III), Population and Poverty Report (Volume IV), 21 Regional Reports for the Mainland (Volume V), Large Scale Farms Report (Volume VI) and a separate report for Zanzibar (Volume VII). In order to address the specific issue of gender, a separate thematic report on gender has been published. Other thematic reports will be produced depending on the demand and availability of funds. In addition to these reports two dissemination applications have been produced to allow users to create their own tabulations, charts and maps.

This report is in eight main sections: General Background, The Sample Census Organisation, The Sample Design for the 2003Agricultiral Sample Census, General Terms, concepts and Definitions, Agricultural Sample Census Preparations, Agricultural sample Census Field Work, Agricultural Sample Census Data Processing and Agricultural Sample Census Evaluation.

### 1.2 Rationale of the Agriculture Sample Census

In 2003, the Government of Tanzania launched the Agricultural Sample Census as an important part of the Poverty Monitoring Master Plan which supports the production of statistics for advocacy of effective public policy, including poverty reduction, access to services, gender, as well as the standard production data normally collected in an agriculture census. The census is intended to support and fill the information gap necessary for planning and policy formulation by high level decision making bodies. It is also meant to provide critical benchmark data for monitoring ASDP and other agriculture and rural development programs as well as prioritizing specific interventions of most agriculture and rural development programs.

Following the decentralisation of the Government's administration and planning functions, there has been a pressing need for agriculture and rural development data disaggregated at regional and district level. The provision of district level estimates will provide essential baseline information on the state of agriculture that support decision making by the Local Government Authorities and in the design of District Agricultural Development and Investment Projects (DADIPS). The increase in investment is an essential element in the national strategy for growth and reduction of poverty.

### 1.2.1 Census Objectives

The 2003 Agriculture Sample Census was designed to meet the data needs of a wide range of users down to district level including policy makers at local, regional and national levels, rural development agencies, funding institutions, researchers, NGOs, farmer organisations, etc. As a result the dataset is both more numerous in its sample and detailed in its scope compared to previous censuses and surveys. To date this is the most detailed Agricultural Census carried out in Africa. The census was carried out in order to:

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

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

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

Obtain a benchmark data that will be used to address specific issues such as: food security, rural poverty, gender, agro-processing, marketing, service delivery, etc.

### 1.2.2 Census Coverage

The census was conducted for both large and small scale farms. This report covers the technical and operational aspects of the census for both large and small scale farms. The data was collected from a sample of 53,070 of small scale farmers of which 48,315 were from the Mainland and 4,755 from Zanzibar. Data was also collected from 1,217 Large Scale Farms (1,206 on the Mainland and 11 in Zanzibar) on a complete enumeration basis.

### 1.2.3 Census Scope

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

Small scale farm questionnaire

Community level questionnaire

Large scale farm questionnaire

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

Household demographics and activities of the household members

Land access/ownership/tenure and use

Crop and livestock production and productivity

Access to inputs and farming implements

Access and use of credit

Access to infrastructure (roads, district and regional headquarters, markets, advisory services, schools, hospitals, veterinary clinics, etc...)

Crop marketing, storage and agro processing

Tree farming, agro-forestry and fish farming

Access and use of communal resources (grazing, communal forest, water for humans and livestock, beekeeping etc.)

Investment activities: Irrigation structures, water harvesting, erosion control, fencing, etc.

Off farm income and non agriculture related activities

Households living conditions (housing, sanitary facilities, etc.)

Labour use, livelihood constraints and subsistence versus non subsistence activities

Gender issues.

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

The Large Scale Farm questionnaire was administered to large farms either privately or corporately managed. Some data from the Large Scale Farm questionnaire is incorporated in this report, however an in depth analysis of Large Scale Farms is presented in a separate report.

### 1.3 Main Activities Undertaken

The main focus at all stages of the census execution was on data quality and the main activities undertaken were:

- Census organisation
- Tabulation plan preparation
- Sample design
- Design of census questionnaires and other instruments.
- Field pretesting of the census instruments
- Training of trainers, supervisors and enumerators
- Information Education and Communication (IEC) campaign
- Data Collection
- Field supervision and consistency checks
- Data processing:
  - Scanning
  - ICR extraction of data
  - Structure formatting application
  - Batch validation application
  - Manual data entry application
  - Tabulation preparation using SPSS
- Table formatting and charts using Excel, map generation using ArcView and Freehand.
- Report preparation using Word and Excel.

# CHAPTER 2: METHODOLOGY

## 2.1 Census Organisation

The Census was conducted by the National Bureau of Statistics (NBS) in collaboration with the sector Ministries of Agriculture, and the Office of the Chief Government Statistician in Zanzibar (OCGS). At the National level the Census was headed by the Director General of the National Bureau of Statistics with assistance from the Director of Economic Statistics. The Planning Group oversaw the operational aspects of the Census and this consisted of staff from the Department of Agriculture Statistics of NBS and three representatives of the Department of Policy and Planning of the Ministry of Agriculture and Food Security (MAFS) and one long term consultant. At the regional level, implementation of census activities was overseen by the Regional Statistical Office of NBS and the Regional Agriculture Supervisor from the Ministry of Agriculture and Food Security. At the District level the Census activities were managed by two Supervisors from the Presidents Office, Regional Administration and Local Government (PORALG). The supervisors managed the enumerators who also came from PORALG.

The members of the Planning Group had a minimum qualification of a bachelor degree; the Regional Supervisors were Agriculture Economists, Statisticians or Statistical Officers. The District Supervisors and Enumerators had diploma level qualifications in Agriculture.

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

## 2.2 Tabulation Plan Preparation

The tabulation plan was developed following three user group workshops and thus reflects the information needs of the end users. It took into consideration the tabulations from previous census and surveys to allow trend analysis and comparisons.

## 2.3 Sample Design

The Mainland sample consisted of 3,221 villages. These villages were drawn from the National Master Sample (NMS) developed by the National Bureau of Statistics (NBS) to serve as a national framework for the conduct of household based surveys in the country. The National Master Sample was developed from the 2002 Population and Housing Census. The total Mainland sample was 48,315 agricultural households. In Zanzibar a total of 317 EAs were selected and 4,755 agriculture households were covered. Nationwide, all regions and districts were sampled except three urban districts (two from Mainland and one from Zanzibar), more details on sampling are found on chapter 3 of this document.

In both Mainland and Zanzibar, a stratified two stage sample was used. The number of villages/Enumeration Areas (EAs) were selected for the first stage with a probability proportional to the number of villages in each district. In the second stage, 15 households were selected from a list of farming households in each Village/EA using systematic random sampling. Table 3.1 gives the sample size of households, villages and districts for Tanzania Mainland and Zanzibar.

*Table 1: Census Sample Size*

| Number | Mainland | Zanzibar | Total |
|---|---|---|---|
| Households | 48,315 | 4,755 | 53,070 |
| Villages/EAs | 3,221 | 317 | 3,539 |
| Districts | 117 | 9 | 126 |
| Regions | 21 | 5 | 26 |

### 2.4 Questionnaire Design and Other Census Instruments

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

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

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

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

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

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

Three other instruments were used:

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

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

Enumerator Instruction Manual which was used as reference material.

### 2.5 Field Pre-testing of the Census Instruments

The Questionnaire was pre-tested in five locations (Arusha, Dodoma, Tanga, Unguja and Pemba). This was done to test the wording, flow and relevance of the questions and to finalise crop lists, questionnaire coding and manuals. In addition to this, several data collection methodologies had to be finalised, namely, livestock numbers in pastoralist communities, cut flower production, mixed cropping, use of percentages in the questionnaire and finalising skip patterns and documenting consistency checks.

### 2.6 Training of Trainers, Supervisors and Enumerators

During training, cascade/pyramid training techniques were employed to maintain statistical standards. The top level of training was provided to 66 national and regional supervisors (3 supervisors per region plus Zanzibar). The trainers were members of the Planning Group from the National Bureau of Statistics and the sector Ministries of Agriculture. In each region, three training sessions were conducted for the district supervisors and enumerators. In addition to training them in field level Census methodology and definitions, emphasis was placed on training the enumerators and supervisors in consistency checking. Tests were given to the supervisors and enumerators and the best 50 percent of the trainees were selected for the enumeration of the smallholder questionnaire and the community level questionnaire.

This increased the number of interviews per enumerator but it also released finance to increase the number of supervisors and hence the Supervisor Enumerator Ratio which was 1 supervisors for to 6.enumerators The household listing exercise was carried out by all trained enumerators.

### 2.7 Information, Education and Communication (IEC) Campaign

Radio, television, newspapers, leaflets, t-shirts and caps were used to publicise the Agriculture Sample Census. This helped in sensitising the public for the field level activities. The t-shirts and caps were given to the field staff and the village chairpersons. The village chairpersons helped to locate the selected households.

### 2.8 Data Collection

Data collection activities for the 2003 Agriculture Sample Census took 3 months from January to March 2004. The data collection methods used during the census was by interview and no physical measurements, e.g., crop cutting and field area measurement were taken. Field work was monitored by a hierarchical system of supervisors at the top of which was the Mobile Response Team followed by the Regional Supervisors and District Supervisors. The Mobile Response Team consisted of 3 Principal Supervisors who provided overall direction to the field operations and responded to queries arising outside the scope of the training exercise. The mobile response team consisted of the Manager of Agriculture Statistics Department, Long-term Consultant and the Desk Officer for the Census. Decisions made on definitions and procedures were then communicated back to all enumerators via the Regional and District Supervisors. On the mainland, each region had 2 Regional Supervisors (total of 42) and 2 district supervisors per district (total 236).

On the Mainland district supervision and enumeration were done by staff from the President's Office, Regional Administration and Local Government (PORALG). Regional and national supervision was provided by senior staff of the National Bureau of Statistics and the sector Ministries of Agriculture. In Zanzibar the enumeration was done by staff from the Ministry of Agriculture, Natural Resources, Environment and Cooperatives. Supervision was provided by senior officers of the same ministry and the Office of the Chief Government Statistician.

During the household listing exercise, 3,222 extension staff were used on the Mainland and 317 in Zanzibar. For the enumeration of the small holder questionnaire, 1,611 enumerators on Mainland and 158 in Zanzibar were used. An additional 5 percent enumerators were held as reserves in case of drop outs during the enumeration exercise. The enumerators were supervised by 2 District Supervisors.

### 2.9 Field Supervision and Consistency Checks

Enumerators were trained to probe the respondents until they were satisfied with the response given before they recorded them in the questionnaire. The first check of the questionnaires was done by enumerators in the field during enumeration. The second check was done by the district supervisors followed by Regional and National Supervisors. Supervisory visits at all levels of supervision focused on consistency checking of the questionnaires. Inconsistencies encountered were corrected, and where necessary a return visit to the respondent was made by the enumerator to obtain the correct information. Further quality control checks were made through a major post enumeration checking exercise where all questionnaires were checked for consistencies by supervisors in the district offices.

### 2.10 Data Processing and Analysis

Data processing consisted of the following processes:

Data entry

Data structure formatting

Batch validation

Tabulation

### 2.10.1 Data Entry

Scanning and ICR data capture technology for the small holder questionnaire was used on the Mainland. This not only increased the speed of data entry, it also increased the accuracy due to the reduction of keystroke errors. Interactive validation routines were incorporated into the ICR software to trap errors during the verification process. The scanning operation was so successful that it is highly recommended that the technology be adopted for future censuses/surveys for more details on this refer to chapter 8. In Zanzibar all data was entered manually using CSPro.

Prior to scanning, all questionnaires underwent a manual cleaning exercise. This involved checking that the questionnaire had a full set of pages, correct identification and good handwriting. A score was given to each questionnaire based on the legibility and the completeness of enumeration. This score will be used to assess the quality of enumeration and supervision in order to select the best field staff for future censuses/surveys.

CSPro was used for data entry of all Large Scale Farm and community based questionnaires due to the relatively small number of questionnaires. It was also used to enter 2,880 of small holder questionnaires that were rejected by the ICR extraction application.

### 2.10.2 Data Structure Formatting

A program was developed in visual basic to automatically alter the structure of the output from the scanning/extraction process in order to harmonise it with the manually entered data. The program automatically checked and changed the number of digits for each variable, the record type code, the number of questionnaires in the village, the consistency of the Village ID Code and saved the data of one village in a file named after the village code.

### 2.10.3 Batch Validation

A batch validation program was developed in CSPro in order to identify inconsistencies within a questionnaire. This is in addition to the interactive validation during the ICR extraction process. The procedures varied from simple range checking within each variable to more complexes checking between variables. It took 6 months to screen, edit and validate the data from the smallholder questionnaire. After the long process of data cleaning, the tabulations were prepared based on a pre-designed tabulation plan.

### 2.10.4 Tabulations

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

### 2.10.5 Analysis and Report Preparation

The analysis in the reports focuses on regional comparisons, time series and national production estimates. Microsoft Excel was used to produce charts; ArcView and Freehand were used for maps, whereas Microsoft Word was used to compile the report.

### 2.11 Data Quality

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

### 2.12 Funding Arrangements

The Agricultural Sample Census was supported mainly by the European Union (EU) who financed most of the operational activities. Other funds for operational activities came from the Government of Tanzania, Government of Japan, and United Nations Development Programme (UNDP) and other partners in the Pool fund of the Vice President's Office (VPO). In addition to this technical assistance funds were provided by the European Union (EU), Department for International Development (DFID) and Japan International Cooperation Agency (JICA). This was managed by Ultek Laurence Gould Consultants (ULG), Scotts Agriculture Consultancy (SAC) and the Food and Agriculture Organisation (FAO).

# CHAPTER 3: THE SAMPLE CENSUS ORGANIZATION

## 3.1 General Overview

For any project to succeed, careful planning, monitoring and evaluation of all activities is essential. However, to be able to plan, monitor and evaluate a project properly, a good organizational structure is vital. This was also the case with the 2003 Agricultural Sample Census.

The government-implementing agency for the 2003 Agricultural Sample Census was the National Bureau of Statistics (NBS). The National Bureau of Statistics was responsible for the census accounts and closely coordinated and monitored the implementation of the census by providing proper liaison with the Ministry of Agriculture and Food Security; Ministry of Water and Livestock Development; Ministry of Cooperatives and Marketing; and President's Office, Ministry of Regional Administration and Local Government.

## 3.2 Sample Census Administration (National to District Level)

### 3.2.1 National Level

At the national level there was the planning group, comprising senior staff from the National Bureau of Statistics (NBS), the Ministry of Agriculture & Food Security, Ministry of Water & Livestock Development and the Ministry of Cooperatives and Marketing. This group was responsible for the overall planning of the sample census including:

Determining of the scope of the sample census
Designing and testing of the sample census instruments
Preparing the tabulation plan
Preparing editing specifications
Preparing Information, Education and Communication (IEC) materials
Ensuring timely availability of necessary materials for the census
Ensuring timely transportation of census materials to regions
Ensuring recruitment of suitable and qualified enumerators and supervisors
Ensuring that supervisors and enumerators are properly trained
Supervising the listing and enumeration exercises
Ensuring that all the questionnaires from the regions are received, filed and stored properly
Supervising the filing and storage of questionnaires
Supervising the editing, scanning and verification exercises

In addition to these, the planning group was responsible for national level training (Training of Trainers (TOT)). The national level trainees were the ones who trained the enumerators and supervisors.

### 3.2.2 Regional Level

In each region there were two national level trainees (supervisors) from Dar es Salaam who were in charge of all census activities including census administration. In addition to these, there were the regional supervisors from Ministry of

Agriculture and Food Security and the Regional Statistical Officer (RSO) from the National Bureau of Statistics. Their main responsibility was to closely monitor census activities at the regional level including the following:

Ensuring that listing and enumeration materials for the respective region are in place

Closely monitoring and supervising the listing, enumeration and post enumeration checks exercises

Disbursing funds at district levels

Ensuring safe transportation of the census questionnaires back to Dar es Salaam

#### 3.2.3 District Level

In ach district, there were two district supervisors who were responsible for:

recruiting suitable enumerators and supervisors

ensuring that census documents and other materials were received as planned

ensuring that IEC materials were distributed to the targeted groups

monitoring implementation of technical issues during the field work

field editing of the questionnaires

overall supervision of the census in the irrespective districts

### 3.3 Composition and Functions of Technical Committees

#### 3.3.1 Agriculture Sample Census Technical Committee

At the national level there was a Census Technical Committee that was formed by the Director General of the National Bureau of Statistics. The Committee was comprised of statisticians, agricultural economists, agronomists and livestock officers from the National Bureau of Statistics (NBS); the Ministry of Agriculture and Food Security; Ministry of Water and Livestock Development; the Ministry of Cooperatives and Marketing; President's Office; Ministry of Regional Administration and Local Government; and Tanzania Food and Nutrition Centre. Other professionals involved in the technical committee came from the University of Dar es Salaam and the President's Office, Planning and Privatization.

The function of this group was:

advising on the content of the questionnaires and other census documents

ensuring that appropriate methodologies, concepts and definitions were adopted

advising the planning group on how to handle some of the technical issues

advising on the recruitment of enumerators and supervisors

ensuring that census activities were carried out as planned.

#### 3.3.2 Census and Surveys Technical Working Group

The Census and Surveys Technical Working Group (CSTWG) is one of the four technical working groups that coordinate the monitoring activities of the National Poverty Monitoring System. It was established by the Government in 2001 to track and evaluate progress in the indicators of poverty.

After the Poverty Reduction Strategy (PRS) identified agriculture as one of the five key sectors in the poverty reduction strategy, the 2003 Agricultural Sample Census was conducted with the aim of getting indicators for use in monitoring

the poverty reduction strategy in the agricultural sector. The Census and Surveys Technical Working Group closely monitored the Agricultural Sample Census to ensure that it was successfully conducted and that the resources were utilized properly.

The members of the Census and Surveys Technical Working Group came from various institutions and donor agencies including UNICEF; DFID; EU; UNDP; JICA; FAO; Vice President's Office; Ministry of Community Development; Gender and Children; Ministry of Labour; Youth Development and Spots; Ministry of Health; University College of Lands and Architectural Studies; Tanzania Social Action Fund (TASAF); REPOA; Ministry of Agriculture and Food Security; Ministry of Water and Livestock Development; President's Office; Planning and Privatization; President's Office; University of Dar es Salaam; and the National Bureau of Statistics .

#### 3.3.3 Information, Education and Communication (IEC)/Advocacy for the Agricultural Sample Census

Information, Education and Communication (IEC) was an important aspect of the Census. The advocacy was undertaken to make the public and stakeholders fully aware of the importance of the Census and the data to be generated from the exercise. Of particular interest was the bringing of census to the attention of all persons involved in agriculture. Thus, the main objectives of the IEC were:

To sensitize and mobilize Tanzanians so that they would support, cooperate and participate in the Agricultural Sample Census

To promote acceptance and extensive use of the Agricultural Sample Census data

The people were educated on the content of the questionnaires, uses of the census data in relation to development planning and agricultural policy formulation as well as the roles played by various functionaries during the census.

The methods used in educating the masses were tailored to suit specific needs of the census target groups. For instance the radio and newspaper messages were meant to educate people particularly in the rural areas where TVs are rarely found. The T-shirts were for the personnel that were involved during the Agricultural Sample Census fieldwork. The leaflets were used to sensitize and educate the targeted group in the selected villages.

### 3.4 Logistics for the Agricultural Sample Census

The 2003 Agricultural Sample Census was a big project that required purchasing of a number of materials, printing of various documents and transportation of the materials to and from the regions and districts. The formation of a logistics team was one way of ensuring that the mentioned activities would be done efficiently and timely.

#### 3.4.1 Logistics Team

To ensure smooth and efficient handling and transportation of Census materials, it was important to appoint a logistics team. The team members comprised of the Agricultural Sample Census Desk Officer, one agricultural economist, one supplies officer, one office supervisor and one administrative officer. The team was responsible for the following:

acquisition of adequate supplies, safe and timely delivery of all census materials and equipment

facilitating printing of all census documents

Transporting materials from Dar es Salaam to the regions and districts.

Providing backup support to the field teams during training, listing and enumeration periods

Ensuring availability of supervision vehicles in the regions. Each region was to have two supervision vehicles; one from the Ministry of Agriculture and Food Security and the other from the Regional Statistical Office.

# CHAPTER 4: THE SAMPLE DESIGN FOR THE 2003 AGRICULTURE SAMPLE CENSUS

## 4.1 Introduction

Viable development of the agricultural sector, needs proper policy formulation and efficient planning and implementation. This calls for both accurate and reliable statistical information whether collected through sample surveys or censuses.

That the Government of Tanzania has embarked on various plans geared at eradicating poverty by year 2025, enhances the need for timely and accurate statistical information to facilitate planning and action towards poverty eradication. Among the various activities earmarked by the Government for the Poverty Monitoring Master Plan, was the conduct of an agriculture sample census in the year 2003. The sample census was expected to provide benchmark poverty tracking indicators for use in monitoring the success of the project.

For a country like Tanzania whereby development planning is decentralized, it is important to have statistical information down to the district level where most of the planning normally takes place. As such, the sample design for the 2003 Agricultural Sample Census was developed to provide district level estimates so as to facilitate planning at that level.

## 4.2 Design of the National Master Sample

The former Central Bureau of Statistics developed the first National Master Sample (NMS) in 1986. The sample was developed as a national framework for integrating and systematizing the conduct of household based surveys done by various ministries and institutions in the country.

Given the long period that had elapsed since the first NMS was developed it was found necessary to develop a new NMS based on the 2002 Population and Housing Census. The new NMS was used in 2003 to facilitate the sample design for the 2003 Agricultural Sample Census as well as other household based surveys.

## 4.3 Design of the National Sample Census of Agriculture

Due to scarcity of resources, it was decided to conduct the 2003 Agriculture Census on a sample basis. However, in determining the respective sample size, an account was taken of the available resources, the need to ensure a manageable sample, minimization of costs and the level of planning.

The Agricultural Sample Census covered both Tanzania Mainland and Tanzania Zanzibar. The sample that was used was the rural part of module B sample of the National Master Sample for Tanzania (NMS). This sample gives estimates down to district level.

The sample design was a stratified two-stage sample, where the rural part of Tanzania was stratified into districts. The first stage *(Primary Stage)* units were villages in the case of Tanzania Mainland and rural enumeration areas in the case of Zanzibar. In the first stage, villages/EAs were selected in each rural part of the district. In the second stage, farming

households were selected in each of the selected village/EA. A total of 15 farming households were selected from each selected village/EA. The villages/EAs in the first stage were selected with probability proportional to the number of households (PPS) in the village/EA. The cumulative total method was used to achieve the PPS selection of villages/EAs. In the second stage *(Secondary Stage)*, farming households were selected using systematic random sampling procedure. Whereby a list of farming households was compiled from each selected village/EA and a systematic random sample was then drawn.

Table 2 gives the number of selected clusters (villages or rural EAs) per district and region in both Tanzania Mainland and Tanzania Zanzibar.

*Table 2: Number of villages/rural EAs, number of selected villages/rural EAs per region and district for the 2003 Agricultural Sample Census of Tanzania*

| Region/District Code | Region Name | District Name | Number of villages | Number of selected villages |
|---|---|---|---|---|
| 011 | Dodoma | Kondoa | 167 | 40 |
| 012 | | Mpwapwa | 88 | 27 |
| 013 | | Kongwa | 66 | 27 |
| 014 | | Dodoma Rural | 129 | 30 |
| 015 | | Dodoma Urban | 48 | 27 |
| 021 | Arusha | Monduli | 69 | 27 |
| 022 | | Arumeru | 137 | 30 |
| 023 | | Arusha | 4 | 4 |
| 024 | | Karatu | 46 | 27 |
| 025 | | Ngorongoro | 41 | 27 |
| 031 | Kilimanjaro | Rombo | 63 | 27 |
| 032 | | Mwanga | 52 | 27 |
| 033 | | Same | 73 | 27 |
| 034 | | Moshi Rural | 150 | 40 |
| 035 | | Hai | 87 | 27 |
| 036 | | Moshi Urban | 0 | 0 |
| 041 | Tanga | Lushoto | 155 | 40 |
| 042 | | Korogwe | 132 | 30 |
| 043 | | Muheza | 165 | 40 |
| 044 | | Tanga | 40 | 27 |
| 045 | | Pangani | 32 | 27 |
| 046 | | Handeni | 108 | 30 |
| 047 | | Kilindi | 64 | 27 |
| 051 | Morogoro | Kilosa | 155 | 40 |
| 052 | | Morogoro | 133 | 30 |
| 053 | | Kilombero | 73 | 27 |
| 054 | | Ulanga | 63 | 27 |
| 055 | | Morogoro Urban | 25 | 25 |
| 056 | | Mvomero | 97 | 27 |
| 061 | Pwani | Bagamoyo | 80 | 27 |
| 062 | | Kibaha | 55 | 27 |
| 063 | | Kisarawe | 75 | 27 |
| 064 | | Mkuranga | 101 | 30 |
| 065 | | Rufiji | 90 | 27 |
| 066 | | Mafia | 20 | 20 |
| 091 | Mtwara | Mtwara Rural | 108 | 30 |
| 092 | | Newala | 118 | 30 |
| 093 | | Masasi | 201 | 40 |
| 094 | | Tandahimba | 108 | 30 |
| 095 | | Mtwara Urban | 6 | 6 |
| 101 | Ruvuma | Tunduru | 109 | 30 |
| 102 | | Songea Rural | 63 | 27 |
| 103 | | Mbinga | 182 | 40 |
| 104 | | Songea Urban | 17 | 17 |
| 105 | | Namtumbo | 64 | 27 |

| Region/District Code | Region Name | District Name | Number of villages | Number of selected villages |
|---|---|---|---|---|
| 111 | Iringa | Iringa Rural | 112 | 30 |
| 112 | | Mufindi | 125 | 30 |
| 113 | | Makete | 93 | 27 |
| 114 | | Njombe | 173 | 40 |
| 115 | | Ludewa | 64 | 27 |
| 116 | | Iringa Mjini | 6 | 6 |
| 117 | | Kilolo | 75 | 27 |
| 121 | Mbeya | Chunya | 73 | 27 |
| 122 | | Mbeya Rural | 126 | 30 |
| 123 | | Kyela | 83 | 27 |
| 124 | | Rungwe | 155 | 40 |
| 125 | | Ileje | 68 | 27 |
| 126 | | Mbozi | 167 | 40 |
| 127 | | Mbarali | 83 | 27 |
| 128 | | Mbeya Urban | 24 | 24 |
| 131 | Singida | Iramba | 120 | 30 |
| 132 | | Singida Rural | 143 | 40 |
| 133 | | Manyoni | 72 | 27 |
| 134 | | Singida Urban | 18 | 18 |
| 141 | Tabora | Nzega | 131 | 30 |
| 142 | | Igunga | 95 | 27 |
| 143 | | Uyui | 93 | 27 |
| 144 | | Urambo | 110 | 30 |
| 145 | | Sikonge | 46 | 27 |
| 146 | | Tabora Urban | 27 | 27 |
| 151 | Rukwa | Mpanda | 126 | 30 |
| 152 | | Sumbawanga Rural | 168 | 40 |
| 153 | | Nkasi | 84 | 27 |
| 154 | | Sumbawanga Urban | 32 | 27 |
| 161 | Kigoma | Kibondo | 68 | 27 |
| 162 | | Kasulu | 92 | 27 |
| 163 | | Kigoma Rural | 80 | 27 |
| 164 | | Kigoma Urban | 5 | 5 |
| 171 | Shinyanga | Bariadi | 137 | 30 |
| 172 | | Maswa | 78 | 27 |
| 173 | | Shinyanga Rural | 108 | 30 |
| 174 | | Kahama | 204 | 40 |
| 175 | | Bukombe | 126 | 30 |
| 176 | | Meatu | 70 | 27 |
| 177 | | Shinyanga Urban | 23 | 23 |
| 178 | | Kishapu | 101 | 30 |
| 181 | Kagera | Karagwe | 119 | 30 |
| 182 | | Bukoba Rural | 166 | 40 |
| 183 | | Muleba | 118 | 30 |
| 184 | | Biharamulo | 114 | 30 |
| 185 | | Ngara | 74 | 27 |
| 186 | | Bukoba Urban | 8 | 8 |
| 191 | Mwanza | Ukerewe | 68 | 27 |
| 192 | | Magu | 123 | 30 |
| 193 | | Nyamagana | 0 | 0 |
| 194 | | Kwimba | 107 | 30 |
| 195 | | Sengerema | 122 | 30 |
| 196 | | Geita | 185 | 40 |
| 197 | | Missungwi | 78 | 27 |
| 198 | | Ilemela | 18 | 18 |

| Region/District Code | Region Name | District Name | Number of villages | Number of selected villages |
|---|---|---|---|---|
| 201 | Mara | Tarime | 146 | 40 |
| 202 | | Serengeti | 71 | 27 |
| 203 | | Musoma Rural | 105 | 30 |
| 204 | | Bunda | 85 | 27 |
| 205 | | Musoma Urban | 3 | 3 |
| 211 | Manyara | Babati | 81 | 27 |
| 212 | | Hanang | 54 | 27 |
| 213 | | Mbulu | 68 | 27 |
| 214 | | Simanjiro | 32 | 27 |
| 215 | | Kiteto | 44 | 27 |
| 511 | North Unguja | North 'A' | 194 | 40 |
| 512 | | North 'B' | 112 | 30 |
| 521 | South Unguja | Central | 134 | 30 |
| 522 | | South | 58 | 27 |
| 531 | Urban West | West | 183 | 40 |
| 532 | | Urban | 0 | 0 |
| 541 | North Pemba | Wete | 159 | 40 |
| 542 | | Micheweni | 148 | 40 |
| 551 | South Pemba | Chake Chake | 130 | 30 |
| 552 | | Mkoani | 157 | 40 |

### 4.4 Estimation

In the sample design for 2003 Agricultural Sample Census the primary stage unit is the village or rural EA while the second stage unit is the farming household. The estimates to be obtained are for the village/EA and district. The regional estimates will be obtained as the sum of the district estimates for the given region and national estimates are the sums of the district estimates for the entire nation or regional estimates.

The estimates of the agricultural characteristics are obtained using the following basic formula:-

Let $y_{rdij}$ be the observation on variable y for household j in village/EA i of district d in region r.

#### 4.4.1 Village/EA estimates

Estimate of total of variable y for the i-th village/EA in d-th district of region r is obtained as

$$\hat{Y}_{rdi} = \frac{M_{rdi}}{m_{rdi}} \sum_{j=1}^{m_{rdi}} y_{rdij}$$

where $M_{rdi}$ = Number of farming households in village/EA i of district d in region r

$m_{rdi}$ = Number of selected farming households in village/EA i of district d in region r.

#### 4.4.2 District Estimates

Estimation of total for district d in region r is obtained as

$$\hat{Y}_{rd} = \frac{1}{n_{rd}} \sum_{i=1}^{n_{rd}} \frac{\hat{Y}_{rdi}}{Z_{rdi}}$$

where $n_{rd}$ = Number of selected villages/EAs in district d of region r.

$Z_{rdi} = \dfrac{M'_{rdi}}{\sum_{i=1}^{N_{rd}} M'_{rdi}}$ is the selection probability of village/EA i in district d of region r

$M'_{rdi}$ = Number of rural households in village/EA i of district d in region r

$\sum_{i=1}^{N_{rd}} M'_{rdi} = M'_{rd}$ is the total number of rural households in district d of region r.

$N_{rd}$ = Number of villages/EAs in district d of region r.

### 4.4.3 Regional Estimates

The regional estimates will be obtained by summing up the district estimates in the respective region, that is

$$\hat{Y}_r = \sum_{d=1}^{D_r} \hat{Y}_{rd}$$

where $D_r$ are the number districts in region r.

### 4.4.4 National Estimates

Summing up the district estimates over all districts in the nation or summing up the regional estimates over all the regions in the country will obtain these. That is

$$\hat{Y} = \sum_{r=1}^{R} \hat{Y}_r \quad \text{or} \quad \hat{Y} = \sum_{r=1}^{R} \sum_{d=1}^{D_r} \hat{Y}_{rd}$$

where R is the total number of regions in the country.

## 4.5 Weights or Expansion Factors (Primary and Secondary stage weighting factors)

The overall weight for i-th village/EA of district d in region r is obtained as

$$w_{rdi} = \frac{M_{rdi}}{m_{rdi}} \cdot \frac{M'_{rd}}{M'_{rdi}} \cdot \frac{1}{n_{rd}}$$

Note that from the sampling weight expression, the quantity $\dfrac{M'_{rd}}{n_{rd}}$ is a constant for selected villages in district d region r while the other quantities will vary for each village/EA.

The weights or expansion factors were calculated for every selected village/EA. These weights were used to produce tables for Tanzania Mainland and Zanzibar. The actual Procedure for preparation of the sampling weight is described below.

### 4.5.1 Primary stage weighting factors

Preparation of Primary stage weighting factors involved a number of estimates to be collected from various sources.

***The number of rural households for each district*;** this estimate was obtained from the 2002 population and housing census report.

***The total number of households for each selected village***; this was compiled from the Agriculture Census Listing Form number 2 (ACLF 2).

***The number of selected villages for each district****;* these estimates were extracted from the list of selected villages for the Agriculture Sample Census 2003.

And then by referring to the Expansion factor/ Weighting calculation formulae paragraph **4.4.5**, the **Primary** stage weighting factors (District level weights) were calculated as shown on table 3, column 18, which is column 14 divided by the result of column 11 times column **17**.

*Table 3: List of part of selected villages for the Agriculture Sample Census 2003, Calculation of primary stage sampling weight*

| case$id | Regiontext | Districttext | Wardtext | Villagetext | No_Hholds | No_Rural_Hhds | No_Vill_Select | Probability | Dist_Wt |
|---|---|---|---|---|---|---|---|---|---|
| (1) | (4) | (6) | (8) | (10) | (11) | (14) | (16) | (17) | (18) |
| 01101105 | Dodoma | Kondoa | Bumbuta | Itaswi | 767 | 86,857 | 40 | 0.03 | 2.83 |
| 01102102 | Dodoma | Kondoa | Pahi | Potea | 423 | 86,857 | 40 | 0.03 | 5.13 |
| 01102106 | Dodoma | Kondoa | Pahi | Kinyasi Kati | 650 | 86,857 | 40 | 0.03 | 3.34 |
| 01103103 | Dodoma | Kondoa | Busi | Keikei | 638 | 86,857 | 40 | 0.03 | 3.40 |
| 01104101 | Dodoma | Kondoa | Haubi | Haubi (Part I) | 1,408 | 86,857 | 40 | 0.03 | 1.54 |
| 01105102 | Dodoma | Kondoa | Kalamba | Kalamba | 499 | 86,857 | 40 | 0.03 | 4.35 |
| 01105104 | Dodoma | Kondoa | Kalamba | Loo | 787 | 86,857 | 40 | 0.03 | 2.76 |
| 01107101 | Dodoma | Kondoa | Mondo | Mondo | 1,066 | 86,857 | 40 | 0.03 | 2.04 |
| 01108102 | Dodoma | Kondoa | Dalai | Tandala | 1,004 | 86,857 | 40 | 0.03 | 2.16 |
| 01109102 | Dodoma | Kondoa | Jangalo | Itolwa | 789 | 86,857 | 40 | 0.03 | 2.75 |
| 01109105 | Dodoma | Kondoa | Jangalo | Jinjo | 343 | 86,857 | 40 | 0.03 | 6.33 |
| 01110102 | Dodoma | Kondoa | Mrijo | Mrijo Chini | 676 | 86,857 | 40 | 0.03 | 3.21 |
| 01111101 | Dodoma | Kondoa | Chandama | Mapango | 576 | 86,857 | 40 | 0.03 | 3.77 |
| 01111104 | Dodoma | Kondoa | Chandama | Mwailanje | 1,126 | 86,857 | 40 | 0.03 | 1.93 |
| 01112101 | Dodoma | Kondoa | Goima | Goima | 637 | 86,857 | 40 | 0.03 | 3.41 |
| 01112105 | Dodoma | Kondoa | Goima | Songolo | 950 | 86,857 | 40 | 0.03 | 2.29 |
| 01113103 | Dodoma | Kondoa | Chemba | Ombiri | 655 | 86,857 | 40 | 0.03 | 3.32 |
| 01114102 | Dodoma | Kondoa | Paranga | Kelema Balai | 836 | 86,857 | 40 | 0.03 | 2.60 |
| 01115102 | Dodoma | Kondoa | Gwandi | Rofati | 307 | 86,857 | 40 | 0.03 | 7.07 |
| 01116106 | Dodoma | Kondoa | Farkwa | Gonga | 563 | 86,857 | 40 | 0.03 | 3.86 |
| 01118101 | Dodoma | Kondoa | Sanzawa | Sanzawa | 739 | 86,857 | 40 | 0.03 | 2.94 |
| 01119101 | Dodoma | Kondoa | Kwamtoro | Kwamtoro | 355 | 86,857 | 40 | 0.03 | 6.12 |
| 01120104 | Dodoma | Kondoa | Lalta | Handa | 193 | 86,857 | 40 | 0.03 | 11.25 |
| 01121102 | Dodoma | Kondoa | Suruke | Tungufu | 189 | 86,857 | 40 | 0.03 | 11.49 |
| 01122102 | Dodoma | Kondoa | Kingale | Tampori | 259 | 86,857 | 40 | 0.03 | 8.38 |
| 01124101 | Dodoma | Kondoa | Kolo | Kolo | 509 | 86,857 | 40 | 0.03 | 4.27 |

### 4.5.2 Secondary stage weighting factors

Like wise preparation of Secondary stage weighting factors involves several factors to be prepared.

***The Number of farming households****;* this was obtained from ACLF2 of the Agriculture Sample Census.

***The number of selected farming households*;** this is a fixed number of 15 households for each selected village.

And then by referring to the Expansion factor/ weighting calculation formulae paragraph **4.4.5**, the **Secondary** stage weighting factors (Village level weights) were calculated as shown on table 4, which is simply column 12 divided by a constant number 15 *(the number of selected farming households in a village)*.

*Table 4: List of part of selected villages for the Agriculture Sample Census 2003 calculation of secondary stage expansion factors*

| case$id | Regiontext | Districttext | Wardtext | Villagetext | No_Farm_Hholds | Vill_wt |
|---|---|---|---|---|---|---|
| (1) | (4) | (6) | (8) | (10) | (12) | (13) |
| 01101105 | Dodoma | Kondoa | Bumbuta | Itaswi | 767 | 51.13 |
| 01102102 | Dodoma | Kondoa | Pahi | Potea | 413 | 27.53 |
| 01102106 | Dodoma | Kondoa | Pahi | Kinyasi Kati | 646 | 43.07 |
| 01103103 | Dodoma | Kondoa | Busi | Keikei | 630 | 42.00 |
| 01104101 | Dodoma | Kondoa | Haubi | Haubi (Part I) | 1,408 | 93.87 |
| 01105102 | Dodoma | Kondoa | Kalamba | Kalamba | 485 | 32.33 |
| 01105104 | Dodoma | Kondoa | Kalamba | Loo | 782 | 52.13 |
| 01107101 | Dodoma | Kondoa | Mondo | Mondo | 1,035 | 69.00 |
| 01108102 | Dodoma | Kondoa | Dalai | Tandala | 1,000 | 66.67 |
| 01109102 | Dodoma | Kondoa | Jangalo | Itolwa | 767 | 51.13 |
| 01109105 | Dodoma | Kondoa | Jangalo | Jinjo | 336 | 22.40 |
| 01110102 | Dodoma | Kondoa | Mrijo | Mrijo Chini | 664 | 44.27 |
| 01111101 | Dodoma | Kondoa | Chandama | Mapango | 573 | 38.20 |
| 01111104 | Dodoma | Kondoa | Chandama | Mwailanje | 1,126 | 75.07 |
| 01112101 | Dodoma | Kondoa | Goima | Goima | 637 | 42.47 |
| 01112105 | Dodoma | Kondoa | Goima | Songolo | 950 | 63.33 |
| 01113103 | Dodoma | Kondoa | Chemba | Ombiri | 644 | 42.93 |
| 01114102 | Dodoma | Kondoa | Paranga | Kelema Balai | 796 | 53.07 |
| 01115102 | Dodoma | Kondoa | Gwandi | Rofati | 307 | 20.47 |
| 01116106 | Dodoma | Kondoa | Farkwa | Gonga | 563 | 37.53 |
| 01118101 | Dodoma | Kondoa | Sanzawa | Sanzawa | 739 | 49.27 |
| 01119101 | Dodoma | Kondoa | Kwamtoro | Kwamtoro | 355 | 23.67 |
| 01120104 | Dodoma | Kondoa | Lalta | Handa | 192 | 12.80 |
| 01121102 | Dodoma | Kondoa | Suruke | Tungufu | 189 | 12.60 |

### 4.5.3 The final weights table

This is the last stage for a two stage sampling scheme, where the overall weights tables are prepared. This is simply by multiplying the result in column 18 (Table 3) and that of column 13 (table 4) to obtain the final weight in column 19 (See table 5 below)

*Table 5: List of part of selected villages for the Agriculture Sample Census 2003 calculation of final weights tables*

| case$id | Regiontext | Districttext | Wardtext | Villagetext | Vill_wt | Dist_Wt | Overall_Wt |
|---|---|---|---|---|---|---|---|
| (1) | (4) | (6) | (8) | (10) | (13) | (18) | (19) |
| 01101105 | Dodoma | Kondoa | Bumbuta | Itaswi | 51.13 | 2.83 | 144.76 |
| 01102102 | Dodoma | Kondoa | Pahi | Potea | 27.53 | 5.13 | 141.34 |
| 01102106 | Dodoma | Kondoa | Pahi | Kinyasi Kati | 43.07 | 3.34 | 143.87 |
| 01103103 | Dodoma | Kondoa | Busi | Keikei | 42.00 | 3.40 | 142.95 |
| 01104101 | Dodoma | Kondoa | Haubi | Haubi (Part I) | 93.87 | 1.54 | 144.76 |
| 01105102 | Dodoma | Kondoa | Kalamba | Kalamba | 32.33 | 4.35 | 140.70 |
| 01105104 | Dodoma | Kondoa | Kalamba | Loo | 52.13 | 2.76 | 143.84 |
| 01107101 | Dodoma | Kondoa | Mondo | Mondo | 69.00 | 2.04 | 140.55 |
| 01108102 | Dodoma | Kondoa | Dalai | Tandala | 66.67 | 2.16 | 144.18 |
| 01109102 | Dodoma | Kondoa | Jangalo | Itolwa | 51.13 | 2.75 | 140.73 |
| 01109105 | Dodoma | Kondoa | Jangalo | Jinjo | 22.40 | 6.33 | 141.81 |
| 01110102 | Dodoma | Kondoa | Mrijo | Mrijo Chini | 44.27 | 3.21 | 142.19 |
| 01111101 | Dodoma | Kondoa | Chandama | Mapango | 38.20 | 3.77 | 144.01 |
| 01111104 | Dodoma | Kondoa | Chandama | Mwailanje | 75.07 | 1.93 | 144.76 |
| 01112101 | Dodoma | Kondoa | Goima | Goima | 42.47 | 3.41 | 144.76 |
| 01112105 | Dodoma | Kondoa | Goima | Songolo | 63.33 | 2.29 | 144.76 |
| 01113103 | Dodoma | Kondoa | Chemba | Ombiri | 42.93 | 3.32 | 142.33 |
| 01114102 | Dodoma | Kondoa | Paranga | Kelema Balai | 53.07 | 2.60 | 137.84 |
| 01115102 | Dodoma | Kondoa | Gwandi | Rofati | 20.47 | 7.07 | 144.76 |
| 01116106 | Dodoma | Kondoa | Farkwa | Gonga | 37.53 | 3.86 | 144.76 |
| 01118101 | Dodoma | Kondoa | Sanzawa | Sanzawa | 49.27 | 2.94 | 144.76 |
| 01119101 | Dodoma | Kondoa | Kwamtoro | Kwamtoro | 23.67 | 6.12 | 144.76 |
| 01120104 | Dodoma | Kondoa | Lalta | Handa | 12.80 | 11.25 | 144.01 |
| 01121102 | Dodoma | Kondoa | Suruke | Tungufu | 12.60 | 11.49 | 144.76 |

### 4.6 Calculation of sampling errors

*Table 6: National level Estimates of some variables related to agricultural activities, National Sample Census of Agriculture*

| Variable | Estimate | Standard Error | Coefficient of variation |
|---|---|---|---|
| Land Ownership | 11,885,132 | 0.003 | 2.52416E-08 |
| Area under Temporary Mono Crops | 847,958 | 0.018 | 2.12275E-06 |
| Area under Temporary Mixed Crops | 1,304,175 | 0.011 | 8.43445E-07 |
| Area under Permanent Mono Crops | 1,144,609 | 0.007 | 6.11563E-07 |
| Area under Permanent Mixed Crops | 954,594 | 0.005 | 5.23783E-07 |
| Area under Permanent / Annual Mix | 739,211 | 0.008 | 1.08223E-06 |
| Area under Pasture | 571,733 | 0.019 | 3.32323E-06 |
| Area under Fallow | 367,598 | 0.011 | 2.9924E-06 |
| Area under Natural Bush | 369,639 | 0.007 | 1.89374E-06 |
| Area under Planted Trees | 206,257 | 0.003 | 1.4545E-06 |
| Area Rented to Others | 543,540 | 0.004 | 7.35916E-07 |
| Area Unusable | 137,742 | 0.007 | 5.08196E-06 |
| Area of Uncultivated Usable Land | 171,059 | 0.012 | 7.01512E-06 |
| | | | |
| **Quantity Harvested (tons): Vuli** | | | |
| | | | |
| Maize | 611,520 | 0.0055 | 8.99398E-07 |
| Cassava | 13,527 | 0.0322 | 0.000238042 |
| Paddy | 91,094 | 0.0232 | 2.54682E-05 |
| Beans | 125,739 | 0.0025 | 1.98825E-06 |
| | | | |
| **Quantity Harvested (tons):Masika** | | | |
| Maize | 2,002,451 | 0.0053 | 2.64676E-07 |
| Cassava | 176,333 | 0.0108 | 6.12478E-06 |
| Paddy | 503,525 | 0.0113 | 2.24418E-06 |
| Beans | 207,569 | 0.0024 | 1.15624E-06 |
| | | | |
| **Total Plated Area (ha): Vuli** | | | |
| Maize | 726,131 | 0.0052 | 7.16124E-07 |
| Cassava | 11,702 | 0.0172 | 0.000146983 |
| Paddy | 102,184 | 0.0236 | 2.30956E-05 |
| Beans | 259,461 | 0.003 | 1.15624E-06 |

| Variable | Estimate | Standard Error | Coefficient of variation |
|---|---|---|---|
| **Total Plated Area (ha): Masika** | | | |
| Maize | 2,736,403 | 0.0060 | 2.19266E-07 |
| Cassava | 223,828 | 0.0085 | 3.79756E-06 |
| Paddy | 518,653 | 0.0097 | 1.87023E-06 |
| Beans | 486,452 | 0.0049 | 1.00729E-06 |
| | | | |
| **Cattle Numbers** | | | |
| Bulls | 1,806,743 | 0.102 | 5.64552E-06 |
| Cows | 5,857,331 | 0.168 | 2.8682E-06 |
| Steers | 2,498,935 | 0.077 | 3.08131E-06 |
| Heifers | 2,967,335 | 0.191 | 6.43675E-06 |
| Male Calves | 1,679,604 | 0.061 | 3.63181E-06 |
| Female Calves | 2,027,202 | 0.126 | 6.21546E-06 |
| | | | |
| **Goat Numbers** | | | |
| Ram | 1,752,238 | 0.029 | 1.65503E-06 |
| Castrated Goat | 834,467 | 0.290 | 3.47527E-05 |
| She Goat | 6,006,455 | 0.123 | 2.0478E-06 |
| Male Kid | 1,493,275 | 0.076 | 5.08948E-06 |
| She Kid | 1,670,092 | 0.080 | 4.79016E-06 |
| | | | |
| **Sheep Numbers** | | | |
| Ram | 640,168.79 | 0.121 | 1.89013E-05 |
| Castrated Sheep | 304,686.16 | 0.161 | 5.28413E-05 |
| She Sheep | 1,974,099.73 | 0.346 | 1.7527E-05 |
| Male Lamb | 498,726.35 | 0.154 | 3.08787E-05 |
| She Lamb | 527,585.12 | 0.156 | 2.95687E-05 |
| | | | |
| **Pig Numbers** | | | |
| Boar | 162,447.67 | 0.029 | 1.78519E-05 |
| Castrated Male | 74,524.55 | 0.069 | 9.25869E-05 |
| Sow / Gilt | 392,119.49 | 0.024 | 6.12058E-06 |
| Male Piglet | 179,281.81 | 0.075 | 4.18336E-05 |
| She Piglet | 320,849.36 | 0.068 | 2.11937E-05 |
| **Other Livestock** | | | |
| Indigenous Chicken | 31,614,837 | 0.061 | 1.92947E-07 |
| Layer | 1,126,697 | 0.060 | 5.3253E-06 |
| Broiler | 565,712 | 0.045 | 7.95458E-06 |
| Ducks | 1,308,645 | 0.026 | 1.98679E-06 |
| Turkeys | 212,704 | 0.023 | 1.08131E-05 |
| Rabbits | 532,921 | 0.021 | 3.94055E-06 |
| Donkeys | 309,749 | 0.006 | 1.93705E-06 |

Table 6 shows that the standard errors of all the selected variables are very low, indicating the data was very accurate. This might be due to the use of scanning technique during data entry. The standard errors range from 0.0024 for quantity of harvested beans in Masika to 0.346 for number of she-sheep. The coefficients of variations are very far below one percent, confirming that the estimated values are not very different from actual values. This also shows that the sampling design used is appropriate for all the selected agricultural variables.

# CHAPTER 5: GENERAL TERMS, CONCEPTS AND DEFINITIONS

## 5.1 Important Considerations

The main concepts and definitions that were used in the 2003 Agriculture Sample Census were familiar as they were also used in earlier agricultural surveys and census. However, some of them were mostly used in other fields of statistics.

In defining the different concepts, the guidelines laid down by FAO in regard to the Program for the World Census of Agriculture 2000 were taken into account. However, these were sometimes modified and made country specific. The concepts and definitions were elaborated in the Enumerators' Instructions Manual as well as in the questionnaires.

## 5.2 Concepts and Definitions

It is important to mention that the concepts and definitions that are defined here are those that are frequently and commonly used in a censuses or surveys.

### 5.2.1 Household and Holding

Under the household and holding, the main concepts and definitions are as follows:

**Household**

A household is a socio-economic unit that consists of one or more persons with common living and catering arrangements. Such persons are usually not always related to each other by blood or by marriage.

A one person household is a household where a person lives alone in a whole or part of a housing unit and has independent consumption

Multi - person household is a household where a group of two or more persons occupy the whole or part of a housing unit and share expenses. Usually, households of this type contain a husband, wife and children. Other relatives, boarders, visitors and other persons are included as members of the household if they pool their resources and share their consumption.

Household servants are counted as members of a household if and only if they take their meals in that household and recognize the head of the household as their head.

**Head of Household**

Head of household is a person who is acknowledged by all other members of the household to be the head either by virtue of his age or standing in the household..

**Holder**

A holder is a person who exercises management control over the agricultural holding operation and who takes major decisions regarding resource utilization or disbursement.

**Agricultural Household (Farming Household)**

An Agricultural household is a household where one or more persons are holder(s). In peasant farming there will normally a one-to -one correspondence between the agricultural household and the holding.

### 5.2.2 Holding Characteristics

**Agricultural Holding**

Refers to an economic unit of agricultural production under single management. It consists of all livestock kept and all land used for agricultural production without regard to title. For the purpose of the 2003 Agricultural Sample Census, agricultural holdings are restricted to those that meet one or more of the following conditions:

- Having or operating at least 25 square metres of arable land
- Own or keep at least one head of cattle or five goats/sheep/pigs or fifty chicken/ducks/turkeys during the agricultural year 2002/03

**Field**

This is a continuous piece of land cultivated as one by holder even if planted with different crops. An individual holding may consist of one or more such fields.

- Land Clearing
- Soil preparation ( what is the purpose of these three?
- Planned Area
-

**Actual Area Planted**

This refers to the total area in acres (or hectares?)that the household was able to plant.

**Harvested Area**

This refers to the total area in acres (or hectares?) that the household got most of its production from. This is equal to the area planted minus the area that was not harvested due to pests, wild animals, drought and the like.

### 5.2.3 Land Access/Ownership/Tenure

Land tenure refers to arrangements or rights under which the holder holds or uses land. A holding may be operated under one or more tenure forms.

a) **Area Owned**

This refers to the land for which the holder possesses title of ownership and has the right to determine the nature and extent of its use. It excludes the area owned but rented to others.

b) **Area under Customary Law**

This refers to the land which the household does not have an official title deed, but it's right of use is granted by the traditional leaders. The right - user agreement does not have to be granted directly by the village leaders as right of access may be passed on through heredity.

c) **Area Bought from Others**

This refers to the area of customary land that has been bought from others. This land does not have a title deed and therefore is not leasehold.

**d) Area Rented from Others**

This refers to the land area rented or leased by the holder from other persons for a limited time period. It includes land rented for an agreed sum of money or a share of produce or land rented in exchange for services and land operated under other rental arrangements such as area granted rent-free.

**e) Area Borrowed from Others**

This refers to the land area whereby its use is granted by the owner free of charge. The landowner can either be a leaseholder or have the right of access through customary law.

**f) Area Share - cropped from Others**

This refers to the system whereby use of land is granted on condition that the owner is given a certain percentage of the production realized from that piece of land.

### 5.2.4 Land Use

**Temporary Crops**

These are crops that are sown and harvested during the same agricultural year.

**Permanent Crops**

These are crops that normally takes over a year to mature and once mature can be harvested for a number of years i.e. bananas, coffee, etc.

**Pure Stand**

Refers to a single crop cultivated in a field/plot at any one time.

**Mixed Crops**

This is a mixture of two or more crops planted together and mixed in the same plot or field. The crops can either be randomly planted together or they can be planted in a particular pattern.

**Pasture Land**

This is an area owned or set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilizer or applied other production increasing technology to improve the grazing.

**Fallow**

This is the area of land that is normally used for crop production, but is not used for crop production during a year or a number of years. This is normally to allow for self-generation of fertility/soil structure and is often an integral part of crop rotation system.

**Natural bush**

This refers to land, which is considered productive but is not under cultivation or used extensively for livestock production and has naturally growing shrubs and trees.

**Planted Trees**

This refers to land, which is used for planting trees for poles and timber.

**Unusable**

This refers to land that is known to be non – productive for agricultural purposes

**Agricultural Production**

Refers to growing and harvesting of different types of crops. It also includes keeping of livestock and poultry as well as production of livestock products.

**Agricultural Year**

An Agricultural Year is a twelve-month cycle in which production of annual crops takes place. The Agricultural Year in Tanzania commences on the 1st of October and ends on the 30th of September of the following year.

### 5.2.5 Livestock

This refers to all animals and fowls kept in the households (irrespective of ownership) and large - scale farms as well as their products.

**Indigenous Livestock**

These are livestock commonly reared in the villages, without special attention. Such livestock are neither given any special feed nor special housing, etc. They are not reared specifically for producing meat and milk.

**Improved Livestock**

Refers to livestock, which are bred specifically for producing meat and milk. These may be crossbred or pure bred.

**Oxen**

These are castrated male cattle over 1 year and are used specifically for doing farm work. They are also often fattened to produce quality beef.

**Cows**

These are mature female cattle that have given birth at least once.

**Bulls**

These are mature un-castrated male cattle used for breeding.

**Steers**

These are castrated male cattle over 1 year usually raised to produce beef.

**Heifers**

These are female cattle of 1 year up to the first calving.

**Calves**

These are young cattle under 1 year of age

**Billy Goat**

This refers to a mature un-castrated male goat used for breeding.

**Kid**

This refers to a young goat less than 9 months of age.

**Ram**

This refers to a mature un-castrated male sheep used for breeding.

**Ewe**

This refers to a mature female sheep over 9 months of age.

**Lamb**

This refers to a young sheep less than 9 months of age.

**Boar**

This refers to a mature un-castrated male pig used for breeding.

**Sow**

These are mature female pigs that have given birth at least one litter of pigs.

**Gilt**

These are mature female pig of 9 months up to the first furrowing.

**Piglet**

This refers to a young pig under 3months of age.

### 5.2.6 Poultry

These are fowls commonly kept in households or Large Scale Farms (e.g., chicken, ducks, guinea fowls, etc.).

**Indigenous Poultry**

This refers to fowls commonly kept in the villages, without special attention. Such poultry are neither fed by special feed nor special housing, etc. without special attention

**Improved Poultry**

These are fowls commonly kept in households or Large Scale Farms (e.g., chicken, ducks, turkey's guinea fowls, etc.) specifically for producing meat and eggs.

### 5.2.7 Irrigation

Refers to the artificial application of water to the soil for the purpose of supplying the moisture essential for plant growth. Irrigation water is supplied to supplement the water available from rain.

### 5.2.8 Drainage

Refers to the removal of excess water from land surface and/or the upper soil layer to make the non-productive wetland productive.

### 5.2.9 Plot

Refers to a portion of a field planted with one specific crop. *For example, maize or sorghum, or a crop mixture, for example maize/beans mixture.*

## 5.3 Fertilizers and Pesticides

These are inputs, which are added to the soil or applied to the plants to increase nutrients to the soil and control and eliminate crop diseases.

### 5.3.1 Fertilizers

These are mineral or organic substances, natural or manufactured, which are applied to soil, irrigation water or hydroponics medium, to supply plants with the necessary nutrients. These include, Mineral fertilizers, Organic sources, Manure and Composite.

a) **Mineral Fertilizers**
   Manufactured, usually through an industrial process.

b) **Organic Sources**
   Materials of organic origin, either natural or processed, used as sources of plant nutrients.

c) **Manure**
   Refers to farmyard or animal manure, which is a mixture of solid excreta of animals with litter used for their bedding.

d) **Composite**
   Consists of organic materials of animal, plant or human origin partially decomposed through fermentation.

### 5.3.2 Pesticides

These are used for mitigation, controlling or eliminating pests troublesome to crops or livestock. These include insecticides, fungicides, fumigants, herbicides, rodenticides and various other materials mostly synthetic chemical produced in concentrated form but diluted for application with various substances such as water, talc, clays, kerosene, etc.

### 5.4 Large Scale Farms

These are farms with at least 20 hectares of cultivated land or 50 herds of cattle or 100 goats/sheep/pigs or 1,000 chicken. In addition to this, they should fulfill all of the four listed conditions:

- Greater part of the produce should go to the market
- Operation of farm should be continuous
- There should be an application of machinery/implements on the farm
- Should have at least one permanent employee.

### 5.5 Small Scale Farms

These are farms, which do not qualify to any of the criterion of Large Scale Farms given.

### 5.6 Operator

Is an individual or organization that exercises management control over the agricultural operation and who takes major decisions regarding resource utilization or funding/ disbursements.

### 5.7 Masika Season

Refers to long rain season covering months of February through May, same year.

### 5.8 Vuli Season

Refers to short rain season covering months of October through January following year.

### 5.9 Fish Farming

Refers to rearing/harvesting of fish. It is different from fishing in that, in fish farming, the fish have to be reared and fed. Fishing traps or captures naturally occurring in rivers and the sea should not be included.

### 5.10 Hunting and Gathering

Refers to use of non-farmed resources from uncultivated land for food and/or sale (i.e., killing wild animals, collecting mushrooms, berries, wild honey, roots, etc.)

### 5.11 Bee Keeping

Refers to rearing of bees in man-made hives, normally done for harvesting of honey and other bee products. Honey gathering (wild honey) is different as no rearing activities take place.

# CHAPTER 6: AGRICULTURAL SAMPLE CENSUS PREPARATIONS

## 6.1 Introduction

The planning for the 2003 Agricultural Census started in January 2003 when a draft questionnaire was prepared, however it was not until the arrival of the questionnaire design consultant in May 2003 when the implementation of the planning phase started properly. . Listing forms and questionnaires were prepared/finalized, preparation of a work plan and budget, design of the sampling frame, tabulation plan pre-testing the survey instruments, sourcing funds, 3 user/producer workshops were conducted and several technical committee meetings were held to assist in finalizing these. Information and education campaign was also launched before the data collection started.

## 6.2 Work plan and Budget Preparation

Initially the budget prepared was enough for a sample of about 540 villages which would have produce regional estimates only. However, given that the Agricultural Sample Census was meant to provide benchmark poverty tracking indicators for the agricultural sector that would facilitate the monitoring and evaluation process of the Poverty Monitoring Programme and the fact that most of the planning in Tanzania is done at the district level it was logical to have district level estimates.

It was therefore decided to call a donor meeting to solicit funds for conducting a sample census that would produce district estimates. This was done in May 2003 and the development partners agreed to contribute enough funds for the conduct of a Census that would provide estimates to this level.

## 6.3 Design of the Agricultural Sample Census Instruments

To be able to collect the census information correctly and adequately, three types of census instruments were designed. These included the listing forms, the questionnaires and the instructions manuals.

### 6.3.1 Listing Forms

The listing forms Appendix III were designed for the purpose of soliciting information, for use in identifying and stratifying the agricultural households in the selected villages. There were three types of listing forms:

ACLF1: for listing all the names of sub-village leaders in each of the selected villages

ACLF2: for listing all the heads of households in each of the selected villages and each household, the number of fields, cattle by type, goats, sheep, pigs, and chicken/ducks were also recorded. This was to facilitate the selection of agricultural households for interview.

ACLF3: for listing the 15 selected heads of households in each of the selected villages. The procedure of selecting the 15 households is given in Appendix 3. The 15 households to be interviewed were selected from the list of heads of agricultural households in ASLF2. The agricultural characteristics of each selected household were transferred to this form from the listing form ACLF2.

### 6.3.2 Questionnaires

The development of the census questionnaires was an important and exacting task. The census questionnaires were prepared sufficiently in advance of commencement of the enumeration to permit adequate pre-testing and pre-enumeration training. Numerous stakeholder/user group meetings were held to ensure most data needs were incorporated into the questionnaire.

Three types of questionnaires were used during the 2003 Agricultural Sample Census. They were:

**ACF1: Small Holder /Small Scale Farmer Questionnaire**

This questionnaire was administered to all selected agricultural households in the villages

**ACF2: Large Scale Farms Questionnaire**

This questionnaire was administered to all Large Scale Farms (commercial) in Tanzania. In all there were 1212 forms.

**ACF3: Village/Community Level Questionnaire**

This questionnaire was used to obtain information on the villager's access to communal resources and gate farm prices of commodities produced by the villages.

### 6.3.3 Instructions Manuals (Training Manual and Enumerator's Manual)

Instructions manuals are essential in securing common understanding of tasks to be performed, and providing a reference guide during enumeration standardizing procedures to enumerators and supervisors. For the 2003 Agricultural Sample Census there were two typed of instructions manuals; the Enumerators' Instructions Manual and the Training Manual.

**Enumerators' Instructions Manual**

This manual contained detailed explanations on procedures for conducting the enumeration, interviewing techniques, guidance on how to handle major and frequently encountered problems and instructions on how to fill-in the questionnaire properly. The manual also contained definitions of most of the variables for which data was collected.

**Training Manual**

The training manual was used as a working document to guide the training exercise at different levels of cascade training. The purpose of the training manual was to ensure that the training given at all levels was exactly the same so as to maintain standards. The training manual contained standard examples that were to be used by the trainers throughout the country in order to maintain standards and quality.

## 6.4 Preparation of Tabulation Plan

The census tabulation plan refers to the table list and other summary indicators that are expected to be published. Since the tabulation plan relates to the published end product, it should clearly indicate the following:

Title of each table

Unit of measurement

Classes adopted for characteristics studied in each table

Aggregate levels such as administrative units or agro-ecological regions, which involve separate tabulations.

For the 2003 Agricultural Sample Census, the initial tabulation plan was prepared concurrently with the final stages of the questionnaire design, however, due to the size of the dataset it was continuously updated throughout the analysis phase.

### 6.5 Formation of National Agriculture Sample Census Technical Committee

The National Agricultural Sample Census Technical Committee was formed in January 2003. The members to the committee were drawn from the sector ministries (Ministries of Agriculture and Food Security, Water and Livestock Development, Cooperatives and Marketing and that of Regional Administration and Local Government), University of Dar es Salaam, Office of Chief Government Statistician, Tanzania Food and Nutrition Centre and President's Office, Planning and Privatization.

### 6.6 User /Producer Workshop

One of the objectives of the Sample Census was to obtain relevant data for planning and policy formulation. To be able to do this it was important to work hand in hand with the respective sectors so as to be able to meet their data needs. One way of doing that is to conduct user/producer workshops whereby data users and the producers of statistics are able to discuss their data needs and how this can be incorporated into a the agriculture census.

### 6.7 Pretests

Pre-testing of the census instruments is one of the most important and essential preparatory activities of any census. The main objectives of the pre-tests were

- To assess the ability of the supervisors to conduct, control and monitor the census
- To assess the ability of the supervisors in administering the sampling procedures
- To test the applicability/understandability of the Swahili phrases/words used in the questionnaire so as to assess the ability of the respondent in providing correct answers to the census questions
- To assess the ability of the enumerators in understanding the questionnaire and eventually in administering it to get the correct information
- To determine the average time required for enumerating one household

For the 2003 Agricultural Sample Census, the pre-testing of the instruments was done three times.

- The first pretest was done in Arusha. The selection of Arusha region for the pre-testing was based these being a diversity of crop types, pastoralist and livestock keeping/rearing for small holder farmers as well as availability of large scale farms involved in diverse farming activities, thus making it suitable for testing the questions in both the small holder and large scale farms' questionnaires.
- The second pretest was done in Tanga, which is a coastal region where farmers practice permanent mixed cropping with the number of crops ranging from two to five or more.
- The third pre-test was done in Dodoma where farmers have relatively low incomes.

### 6.8 Preparation of Information, Education and Communication (IEC) Materials

Information, Education and communication are an important aspect in any census undertaking. This is due to the fact that inadequately informed and hence uncooperative citizens may jeopardize the entire census.
As far as the 2003 Agriculture Sample Census was concerned, the main objective of the IEC program was to sensitize and mobilize Tanzanians to support, cooperate and participate in the census exercise. The main methods used in educating the public during the Census were radio announcements, leaflets, TV programmes banners and newspaper advertisements. In addition to these, all the personnel who worked on the census project were given T-shirts and caps to make it easy for the respondents to identify them.

The publicity campaign was conducted by the Communication Studios (T) Ltd in collaboration with other media bodies.

### 6.9 Pre-implementation Assessment

The pre-implementation assessment was done by a consultant in August 2003, both on the Mainland and Zanzibar. The assessment focused on the plans for the implementation phase of the Census. These included:

- assessment of the views and data needs of the key stakeholders
- reviewing of the pretests undertaken in Arusha, Tanga, Dodoma and Zanzibar so as to determine the requirements for completion of the questionnaire
- reviewing plans for the enumeration process, in particular, the number of supervisors and enumerators that will be needed to ensure that enumeration is done properly and timely
- reviewing plans for the training of trainers and the planned cascade programme for the training of supervisors and enumerators
- assessment and reviewing of the requirements for data processing, analysis and other technical assistance that might be required.

This was done through visits made to several regions whereby the consultant met some of the proposed regional and district supervisors as well as the enumerators. He also met the planning group, the questionnaire design consultants and the main development partners.

As a result of the mission, the following main recommendations were made and adopted:

- Reduce the number of enumerators by doubling the number of households to be enumerated by one enumerates (from 15 to 30 households per enumerator or 2 villages)
- Incorporate selection procedures into the training exercise in order to select the best enumerators (enumerator tests during the training)
- Increase the district supervisor/enumerator ratio.

### 6.10 Census Logistics

The Census required a large number of materials to be transported to the regions. These included questionnaires, instructions manuals for enumerators, training manuals, listing forms, bags for enumerators and supervisors, T-shirts, caps, leaflets and stationery. All these materials had to be transported from Dar es Salaam to all regions and from the regions to the districts where the materials were eventually to be distributed to the enumerators.

To ensure smooth, efficient handling and transportation of the materials a Logistics. Team was formed with the overall objective of ensuring adequate supply, safe transportation and timely delivery of the census materials to the regions and districts.

### 6.10.1 Procurement of Materials and Printing of Agricultural Sample Census Instruments and IEC Materials

The list and the total number of materials to be procured and documents to be printed were submitted to the Logistics Team in August 2003. The procurement and the printing of materials followed the Public Procurement Regulations of 2001. The printing of the census instruments (manuals, questionnaires, listing forms) was done after the training of trainers so as to be able to accommodate any suggestions/opinions from the trainees.

### 6.10.2 Transportation and Distribution of the Sample Census Instruments and Material to Regions

The distribution list of census instruments and materials was given to the Logistics Team to enable them to distribute the instruments and materials adequately to all districts. The transportation of the instruments was contracted to a transport company, which transported them to all regional headquarters. From there they were transported to the training centers using the vehicles that were assigned to each region. At the training centers the materials and instruments were distributed to the enumerators.

## 6.11 Training of Field Staff

Training is one of the most important aspects of undertaking a census. Although training of census staff at all levels is important, the training of supervisors and enumerators is absolutely vital for the success of the census since the adequacy and intensity of the training for the staff determines the quality and utility of the census itself. Organizing training of the supervisors and enumerators is more difficult than organizing the training of the other cadres because of the large numbers involved as well as the short time over which the census has to be conducted.

The objectives for training the supervisors and enumerators was to implant instructions and ideas, instill attitudes towards achieving excellence in performance and develop the skills to translate training into performance. The attainment of these objectives was in fact a test of the skills of the trainers themselves and their ability to develop training materials that transform dry concepts into understandable and assimilable ideas.

In the 2003 Agricultural Sample Census, about 21 headquarters' supervisors, 238 district supervisors and 3,231 enumerators were trained together with 21 Regional Agricultural Supervisors and 21 Regional Statistical Officers. Training such a large number of personnel was both expensive and challenging. Given the limited funds available and the expected quality level of training, two training levels were adopted:

The national level

The district level.

### 6.11.1 The National Level Training (Training of trainers(TOT))

This training was held in Dodoma, which is easily accessible from all over the country. The trainees were recruited from the National Bureau of Statistics (NBS), Ministry of Agriculture and Food Security, Ministry of Water and Livestock Development, Ministry of Cooperatives and Marketing, Ministry of Regional Administration and Local Government and the Tanzania Food and Nutrition Centre. The trainees at this level were the trainers at the district level. The trainers included statisticians from the National Bureau of Statistics as well as statisticians, economists and planners from the above-mentioned government institutions. The trainees at this level were Regional Agricultural Supervisors (21 persons), Regional Statistical Officers (21 persons), Regional Supervisors from the National Bureau of Statistics and agriculture sector ministries (25 persons) adding to a total of 67 persons.

### 6.11.2 The District Level Training

This training was held at three convenient centres in each region. The trainers at this level were those trained at the national level. There were three trainers for each region and they trained first in one centre and then moved on to other centers. This was to ensure that standards and uniformity were maintained throughout the training exercise. During the first three days 3231 enumerators were trained. However, this number was reduced to 1,616 by selecting of the best enumerators. Each enumerator was to enumerate two villages. About 238 district supervisors and 1,616 enumerators were trained at this level.

# CHAPTER 7: AGRICULTURAL SAMPLE CENSUS FIELD WORK

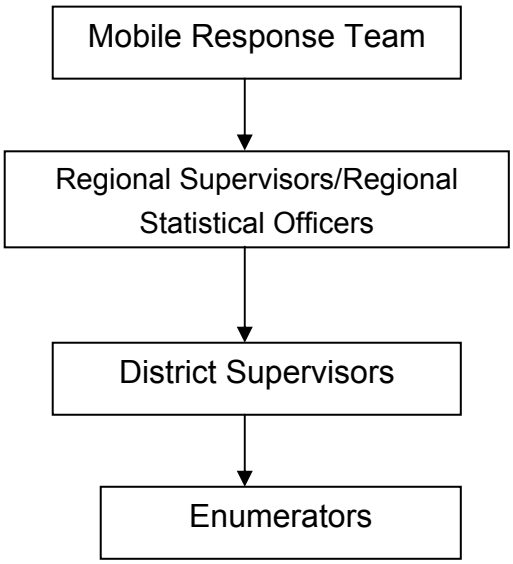
## 7.1 Introduction

The Census fieldwork was done by the Planning Group (staff from the National Bureau of Statistics in collaboration with the sector ministries: Ministry of Agriculture and Food Security; Ministry of Water and Livestock Development; Ministry of Cooperatives and Marketing; and President's Office, Ministry of Regional Administration and Local Government and overseen by the Agriculture Census Consultant). These were the ones responsible for the overall planning of the census as well as supervision of the fieldwork.

## 7.2 Field Organization

To ensure a successful census, careful planning, monitoring and evaluation and supervision of the census activities' including the fieldwork is required. As such proper field organization was vital. Below is the field organization structure:

*Chart 1: Field Organisation Structure*




## 7.3 Listing Exercise

The listing of households started immediately after the training of enumerators and supervisors. The enumerators involved in the listing exercise were, two hundred and thirty one 3,231 and each enumerator was provided with the following items:

notebook
2 pencils
An eraser
a pen
An instructions manual
Three types of listing forms (ACLF1, ACLF2, ACLF3)
a calculator
a plastic bag
1 T-shirt

1 cap

Leaflets for publicity

Each of the 1616 enumerators who were to do the enumeration was provided with:

15 small holder questionnaires each

1 community questionnaire

The listing of households, started in mid- December in all sampled villages and was completed by the third week of December 2003. In some remote districts such as Ngorogoro District, the household listing exercise was completed by first week of March, 2004.

Before starting the listing the enumerators reported to the local authorities to introduce themselves and to inform them of the Agricultural Sample Census exercise which was to be carried out in their villages. They also explained about the procedures to be followed during the exercise.

During the listing, the listing forms ACLF1 and ACLF2 were used in order to get the sample frame of agricultural household from which the fifteen agricultural households were to be selected. The selection was done using the Random number table (Appendix 3).

In addition to the list of heads of households, enumerators also collected information on the number of fields owned/cultivated by the household as well as livestock information. The livestock information collected included number of cattle, goats, sheep, pigs, chicken and other livestock

The regional and district supervisors supervised the listing exercise. Regional supervisors were provided with motor vehicles while district supervisors used motorcycles for the supervision work.

## 7.4 Enumeration Exercise

### 7.4.1 Small Holder Enumeration

Enumeration exercise for the small holders, commenced in the third week of December in most villages and was expected to take about 2 weeks but in most villages the enumeration was not completed as scheduled due to a number of reasons, which were:

- underestimation of the time required for completing the questionnaire at the planning phase of the project.
- delay in funding for enumeration activities
- insufficient district supervision in some districts due to delays in funding that resulted in greater post enumeration checks and re-enumeration.

Some district supervisors were unable to supervise all of their districts during the first three days of enumeration due to delays in funding. Because of this problem the emphasis on supervision shifted from supervision and data correction during the planned data collection period and its supervision.

### 7.4.2 The Post Enumeration Checks

The post enumeration checks exercise was done as an in-field quality control measure. When the supervisor receives the questionnaires from the enumerator he/she inspects them and carries out a set of consistency checks. If an inconsistencies was fiund the questionnaires were returned to the enumerator for re-enumeration. A workshop to provide training in post enumeration checking of the questionnaires was convened in Kibaha. The participants of the workshop were the planning group and the zonal supervisors. The trained zonal supervisor in turn, visited each of the regions in their zones to train the head quarter supervisors, regional supervisors and some district supervisors.

The head quarter supervisors and regional supervisors then trained and supervised the district supervisors who were responsible for checking the enumerators' questionnaires and giving instructions to re-enumerate where necessary.

### 7.4.3 Enumeration of Large Scale Farms

Enumeration exercise for some of the large scale farms was expected to start in mid January 2004, and planned to take about 2 weeks. However, the exercise had to be put on hold due to the lack of funds. The district supervisors did the large scale farm enumeration with some help from the regional supervisors. The exercise was complete in all regions by the end of April 2004.

### 7.4.4 Community Level Enumeration

The filling in of the community level questionnaires was done simultaneously with that the smallholder questionnaire. The questionnaire was administered to all sampled villages.

## 7.5 Collection and reception of the Sample Census Questionnaires from Regions

The collection and reception of the Census questionnaires from the regions was done in April 2004. A contract was given to a transporter to collect all questionnaires. As soon as the questionnaires arrived in Dar es Salaam, they were all indexed and stored at the National Council for Technical Education (NACTE), (where the data processing centre was located) ready for the manual editing and data entry..

# CHAPTER 8: AGRICULTURE SAMPLE CENSUS DATA PROCESSING

## 8.1 Data Processing

After all the completed Questionnaires for the Agriculture Sample Census were received in Dar es Salaam, the next exercise was to commence data processing. In order to successfully achieve this, the planning team had to make sure that all necessary logistics and materials planned were in place. This mandatory preparations include;

Preparation of Special package boxes each for storing questionnaires for one PSU or a Village

Preparation of Manual editing routines

Selection and design of a proper data capture and cleaning mechanism

Design of a Formatting Application

Setting up of a SPSS for handling the data

Preparation of sampling weights

## 8.2 Manual Editing for Filled in Agriculture Sample Census Questionnaires

The Planning team found it necessary to manually edit all the filled in questionnaires of the Agriculture Sample Census. It was an utmost important exercise so as to prepare the questionnaires for the scanning exercise. The main activities during this exercise were;

Make sure that each filled in Questionnaire has correct Identification

Make sure that each filled in questionnaire has all the required number of pages

To remove any distortions and wrinkles, on questionnaires resulted from mishandling of Questionnaires during field work

To remove any obstacles that could be thought as a barrier during either scanning or extraction exercises

## 8.3 Scanning and Data Capture

The Agriculture Sample Census data entry exercise was mainly done by using the ICR/OCR Scanning technology. The decision to use the scanning process was made to ensure that the quality of data for the Agriculture Sample Census was safeguarded at all stages.

A small number of all Questionnaires (1.5%) were entered by using a CSPRO based data entry application (manual data entry). To implement the scanning technology, two main stages were involved.

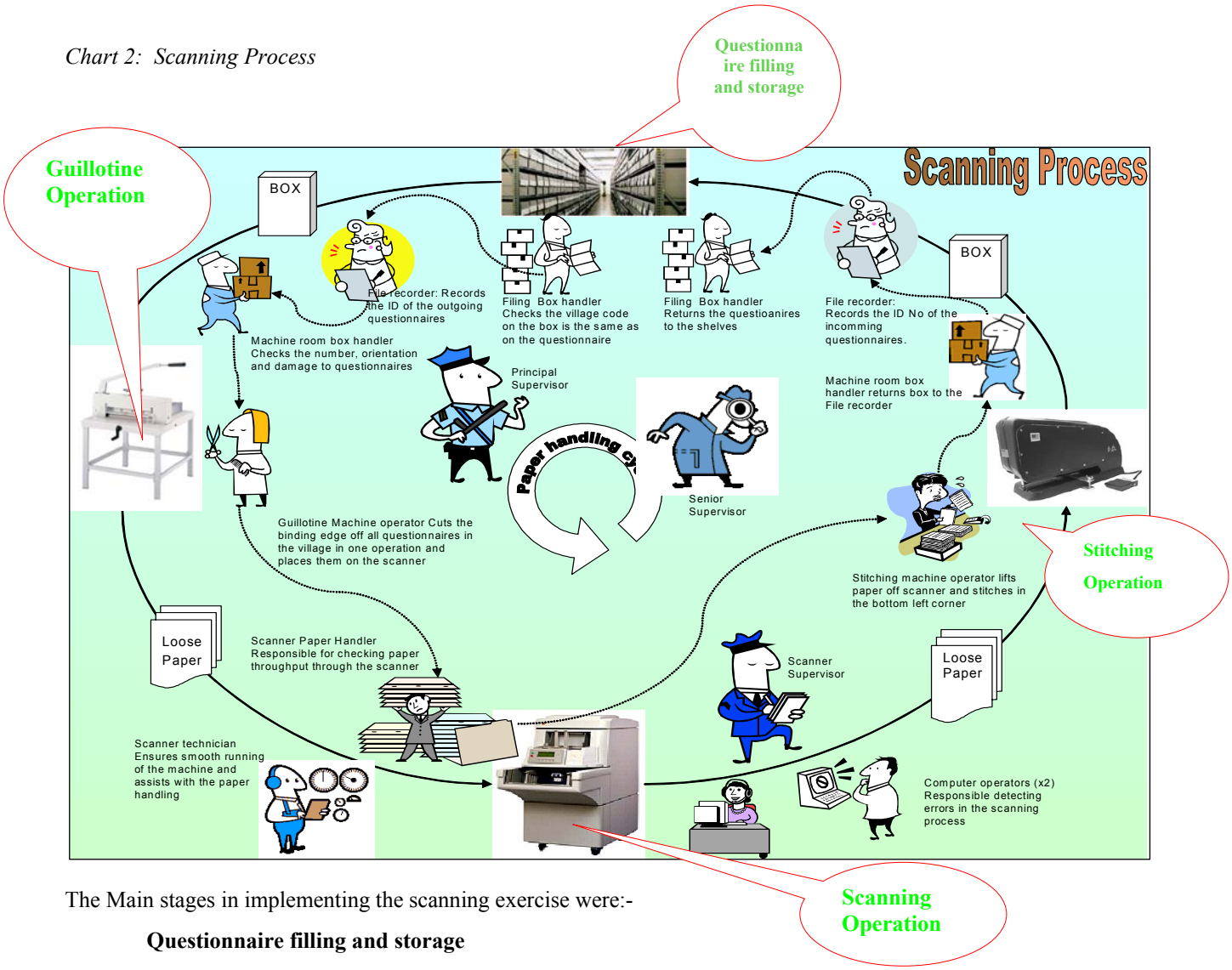
**SCANNING** a process of taking an electronic picture of the form (one page of a questionnaire) and stores it as a graphic Image on computer.

**RECOGNITION** a process of capturing the data from the scanned image and storing it in an ASCII file.

The flow chart below describes the different stages of the scanning operation:

### 8.3.1 Scanning and Paper handling

*Chart 2: Scanning Process*




The Main stages in implementing the scanning exercise were:-

**Questionnaire filling and storage**

Organisation and control of the movement of questionnaires into and out of the filing room.

**Guillotine Operation**

The guillotine operation cuts the bound edge of all questionnaires for a village (15 questionnaires. One batch) in one operation.

**Scanning Operation**

The scanner takes an electronic picture of each of the detached pages of the questionnaire for a village.. A batch of 15 Questionnaires (300 A4 papers) would take 2 minutes to scan. As the sheets are scanned the images are displayed on a computer. The software was programmed to detect that each village has 15 questionnaires and that each questionnaire has 22 pages. As trhe scanning proceeds a counter on the screen displays the number of pages that have been scanned in a questionnaire and the number of scanned questionnaires. This procedure made it virtually impossible to miss a page or a whole questionnaire from a batch.

**Stitching Operation**

Every completed batch was handed to a Stitching Operator who stitched the 300 A4 papers together at one corner and the batch was returned back to the Questionnaire Filling and Storage Section for recording and filing.

## Processes in ICR Data Capture

There are two main operations/processes → Scanning ↓ Recognition

The **SCANNING** process takes an electronic picture of the form and stores it as a graphic file on computer.

### 8.3.2 Intelligent/Optical Character Recognition

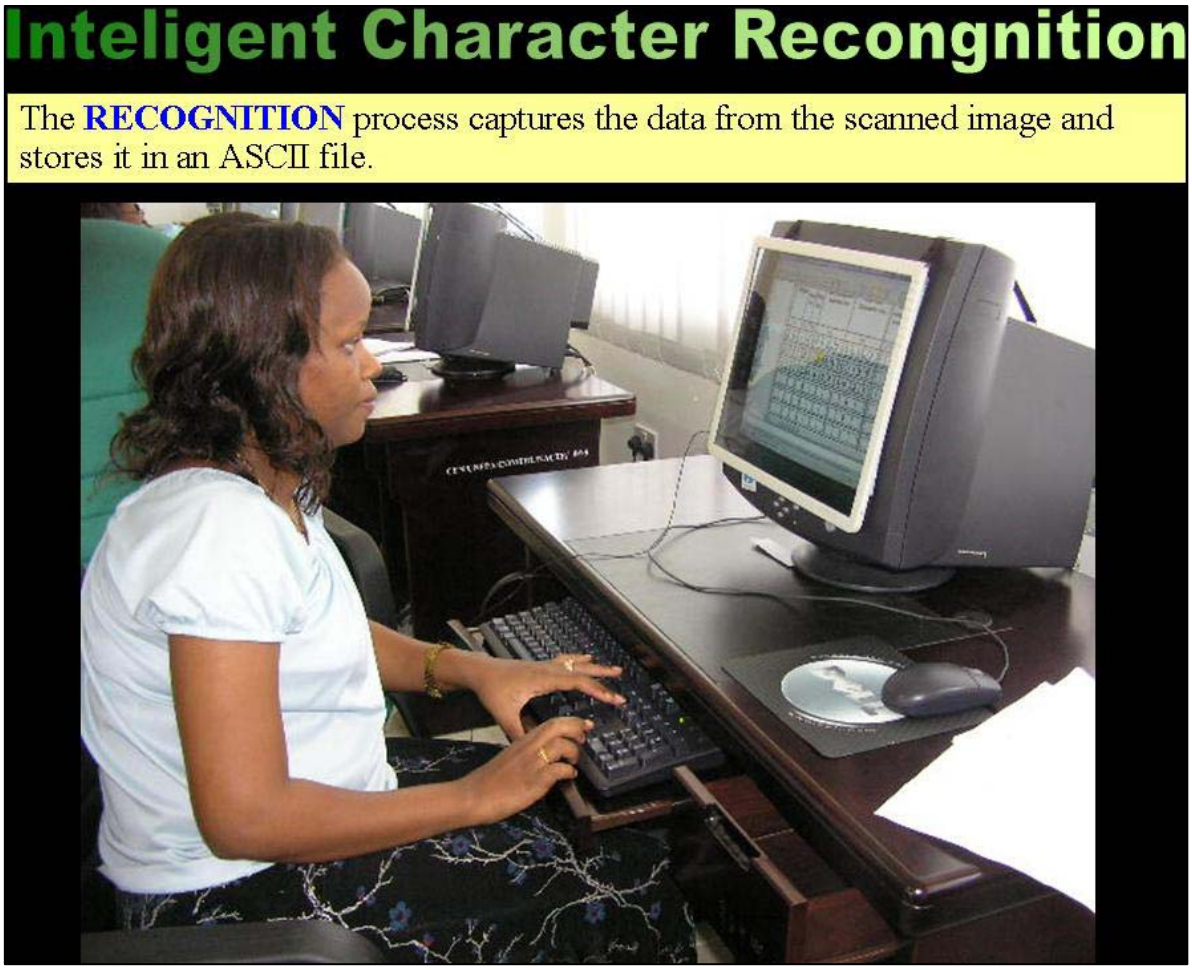
## Scanning and ICR data extraction

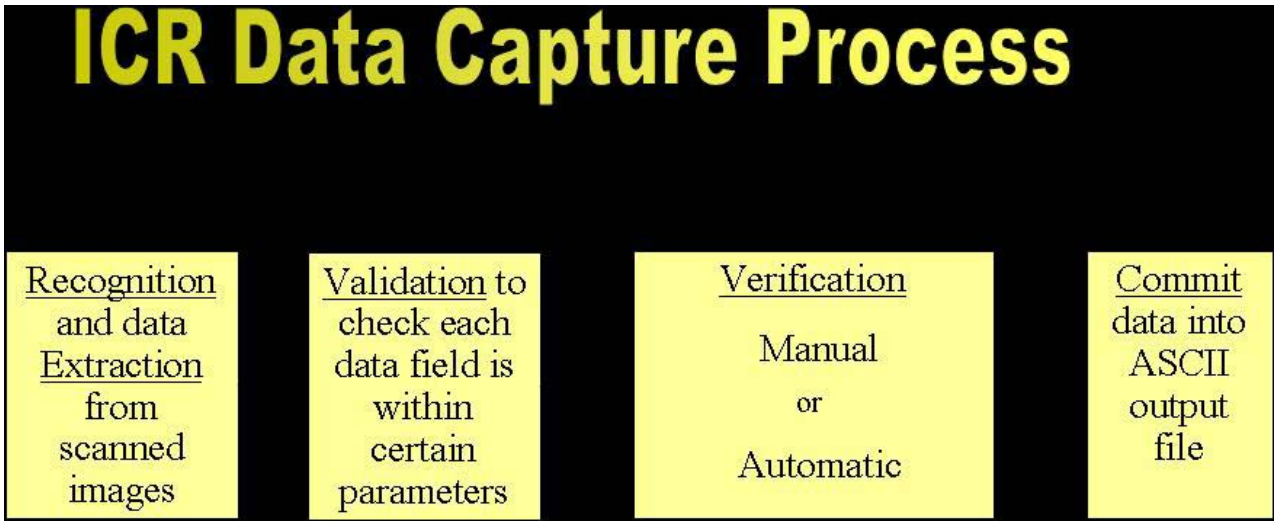
**There are 2 main types of automatic data capture processes:**

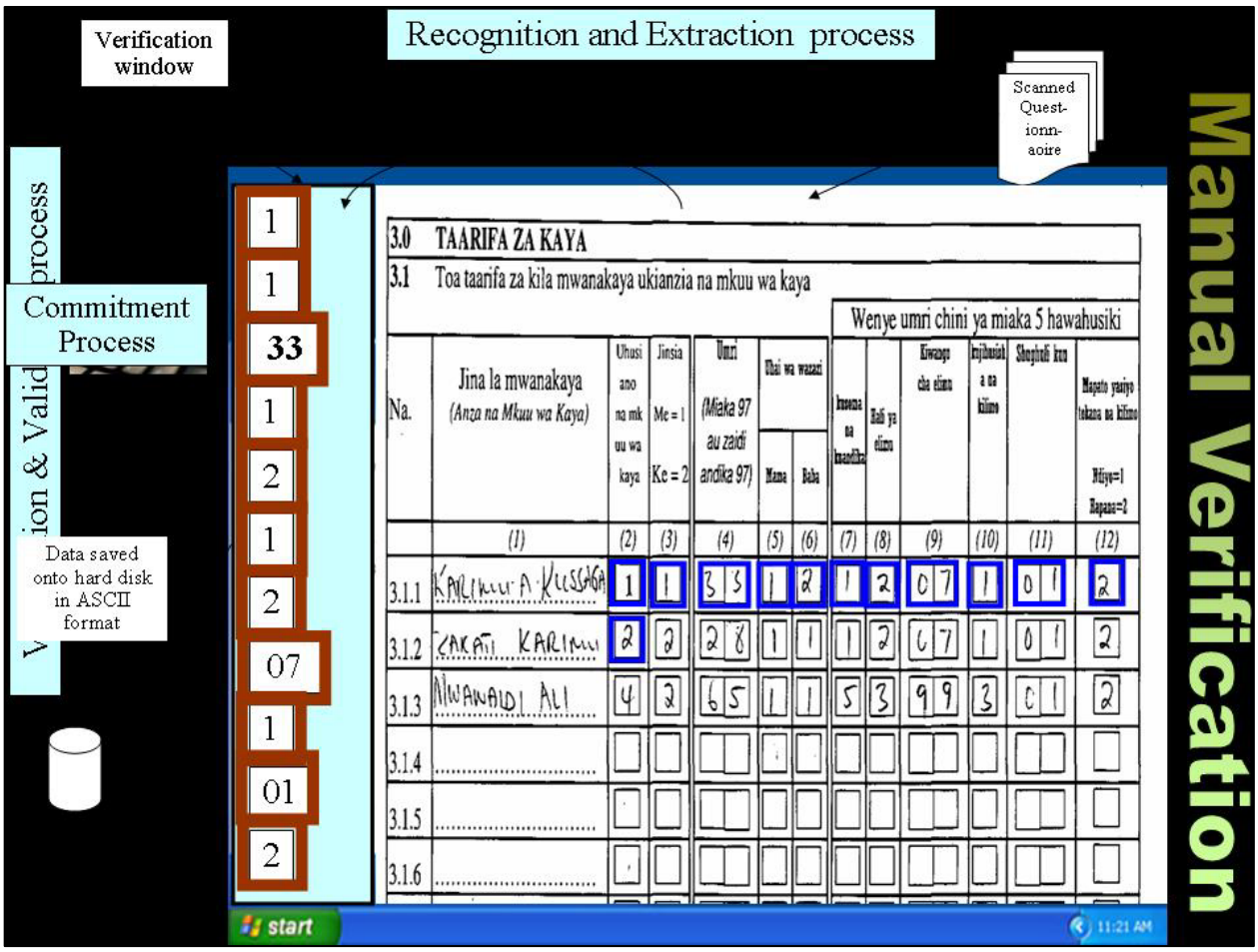
**Mark Recognition** This is the recognition of shaded circles or marks (called blobs) on a form. The positioning of these blobs on the form determine the alphanumeric character it represents.

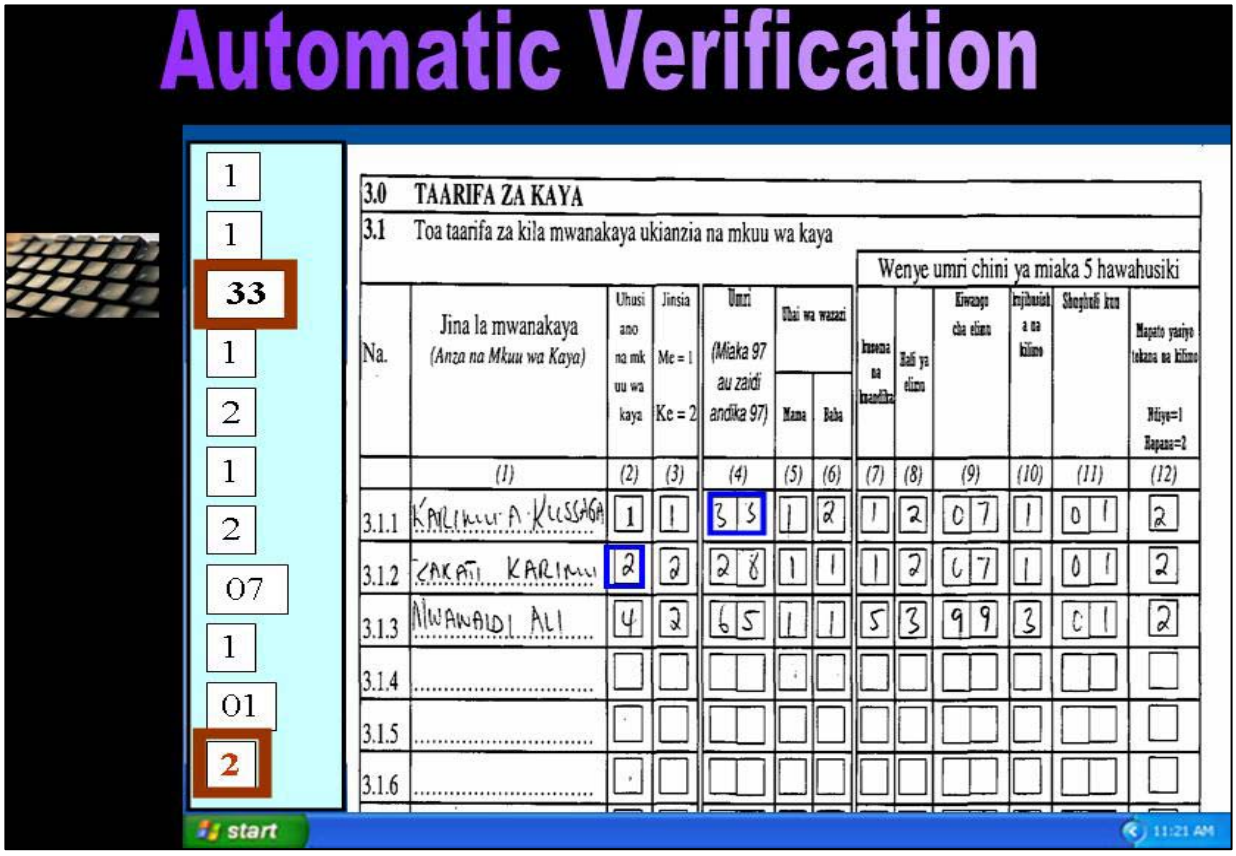
**Character Recognition** This is the recognition of alphanumeric characters on a form and there are two types: Optical Character Recognition (OCR) which is the capture of machine printed text from forms and Intelligent Character Recognition (ICR) which is the capture of hand printed text from forms.

The Agriculture Sample Census in Tanzania only used ICR and on numeric characters only


Inteligent Character Recongnition
The RECOGNITION process captures the data from the scanned image and stores it in an ASCII file.


ICR Data Capture Process
Recognition and data Extraction from scanned images
Validation to check each data field is within certain parameters
Verification
Manual
or
Automatic
Commit data into ASCII output file


Verification window
Recognition and Extraction process
Scanned Quest-ionn-aoire
Manual Verification
Commitment Process
Data saved onto hard disk in ASCII format
1
1
33
1
2
1
2
07
1
01
2
3.0 TAARIFA ZA KAYA
3.1 Toa taarifa za kila mwanakaya ukianzia na mkuu wa kaya
Wenye umri chini ya miaka 5 hawahusiki
Na.
Jina la mwanakaya (Anza na Mkuu wa Kaya)
Uhusiano na mkuu wa kaya
Jinsia Me = 1 Ke = 2
Umri (Miaka 97 au zaidi andika 97)
Uhai wa wazazi
Mama
Baba
Hali ya elimu
Kiwango cha elimu
Shughuli kuu
Mapato yaniye tokana na kilimo Ndiyo=1 Hapana=2
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)
3.1.1 KARIMU A KLESSAGA
3.1.2 ZAKATI KARIMU
3.1.3 NWANALDI ALI
3.1.4
3.1.5
3.1.6
start
11:21 AM


Automatic Verification
1
1
33
1
2
1
2
07
1
01
2
3.0 TAARIFA ZA KAYA
3.1 Toa taarifa za kila mwanakaya ukianzia na mkuu wa kaya
Wenye umri chini ya miaka 5 hawahusiki
Na.
Jina la mwanakaya (Anza na Mkuu wa Kaya)
Uhusiano na mkuu wa kaya
Jinsia Me = 1 Ke = 2
Umri (Miaka 97 au zaidi andika 97)
Uhai wa wazazi
Mama
Baba
Hali ya elimu
Kiwango cha elimu
Shughuli kuu
Mapato yaniye tokana na kilimo Ndiyo=1 Hapana=2
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)
3.1.1 KARIMU A KLESSAGA
3.1.2 ZAKATI KARIMU
3.1.3 NWANALDI ALI
3.1.4
3.1.5
3.1.6
start
11:21 AM

**8.3.3 Lessons Learned from the Scanning/Extraction Processes**

## Aspects of questionnaire design

- Excel is an excellent application for designing questionnaires for scanning due to its tabular structure.
- Ensure all answers in the questionnaire are numeric codes. Do not try to extract textual data
- Spend time emphasizing scanning hand writing. Enumerators must practice this and a test should be given to the enumerators before accepting their appointment.
- Drop outs and colour printing
- Registration points make sure that the questionnaire has many registration points and they should vary in size and shape
- For Null response leave blank NOT zero
- Boxes in the questionnaire should be the same size
- Consider using perforations instead of a guillotine
- Use one printing company and make sure that the quality is good and consistent. Faded questionnaires increases the number of dropouts.
- Print all questionnaires in the same batch and on the same printer and make sure more than what is required is printed. At least an additional 5%

## Aspects of Extraction Template Design

- Programming of validation routines for each variable is essential.
- Complex validation between variables can be also be done, however this can bring the extraction process to a halt
- Thoroughly test the system with a proper pilot
- Start with Manual extraction until a high level of recognition is reached before switching to automatic recognition.
- Ensure supervision is of a high level and that the verifiers have been trained well.
- Take regular samples to manually check the data output file with the questionnaire
- It is the extraction process and NOT Scanning where the bottlenecks occur. It is better to increase the number of extraction stations than buy additional scanners

As it has been pointed out above a small number of questionnaires were manually entered onto computer and were mostly from the rejected batches of questionnaires during the scanning exercise. This exercise to gave us comparative advantages of the two exercises against one another. Additionally 1,212 Large Scale Farms Questionnaires and 3231 Community Interview Questionnaires were all entered onto the computer manually.. The following table shows the ICR extraction against manual data entry statistics.

| Activity | Scanning Technology | Manual data entry |
|---|---|---|
| Number of questionnaires per station per day | 37 | 18 |
| Number of villages per station per day | 2.4 | 1.3 |
| Number of stations | 30 | 30 |
| % of exceptions | 1.53 | NA |
| Name of extraction software | OCR for AnyDoc | |

After the scanning of the questionnaires, the scanned data was extracted and verified using OCR technologies. This is referred to as a recognition process where data from a scanned image is captured and stored into an ASCII file. A number of validation rules were applied to a to the variables in order to restrict the software from the possibility of recognizing and misinterpreting vertical lines as data items and restricting the number options according to the codes for each variable. .

### 8.4 Design of a data structure Formatting Application

This application was designed for the purpose of reformatting the structure of the ICR output to be compatible with the validation application which was designed in CSPro. Three data sets needed restructuring: The scanned data, the manual entry data and the Zanzibar manually entered data. The Formatting Application was designed using Visual Basic for Applications in Excel.

It was very important to create the formatting program because it also linked the ICR output with CSPro for validation and thereafter into SPSS software which was used for analysis and tabulation of the Agriculture Sample Census data set.

### 8.5 Data Validation and Cleaning Exercise

This was a computer aided process for detecting and correcting errors which were not noticed during the manual editing and exercise. This was one of the intensive as well as extensive exercises undertaken during the operation of the Agriculture Sample Census. Because of the Complexity of the data set, a two tier validation process was adopted whereby a team of three supervisors checked the work of the main validation team in order to improve the accuracy and consistency of the data.

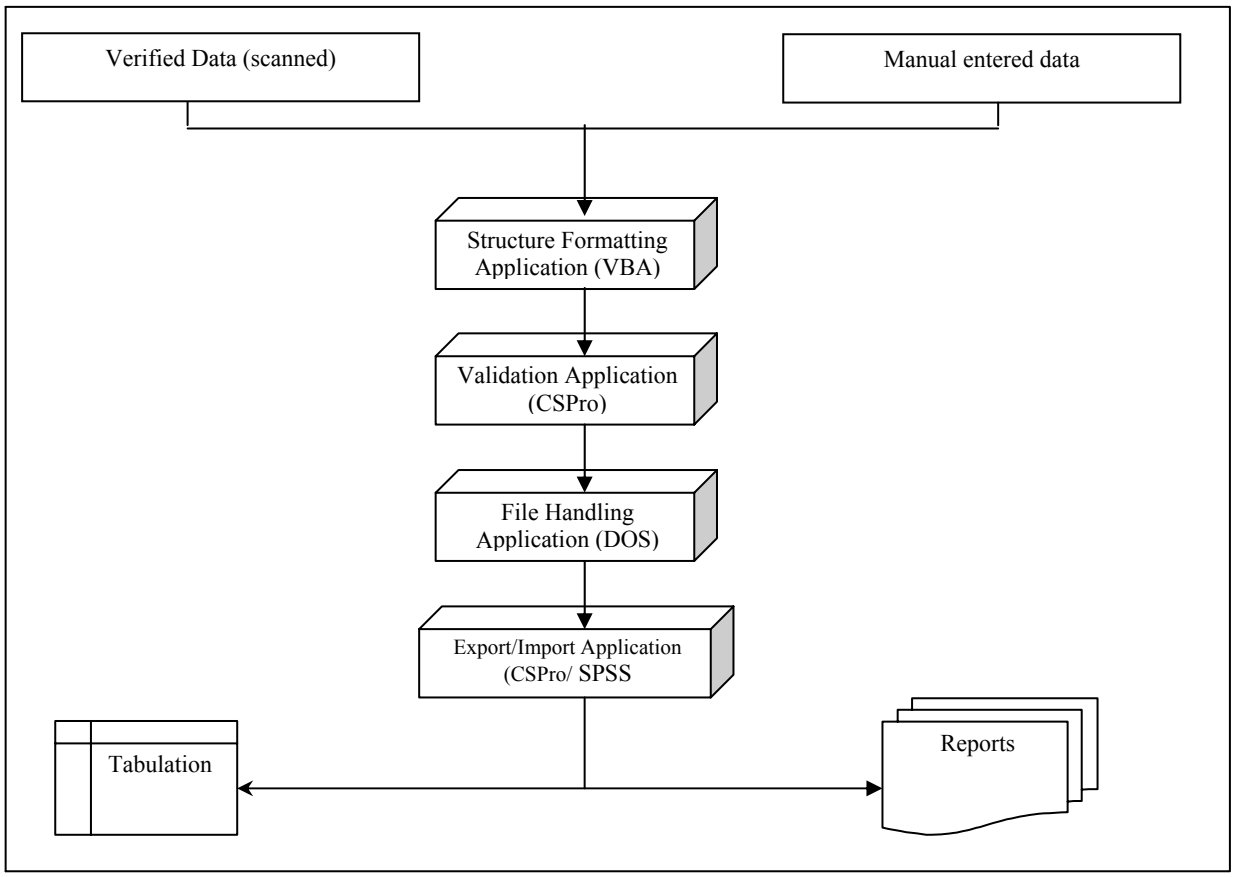
This setup proved to be efficient, time saving and contributed in ensuring that high quality data was obtained through out the duration of the exercise. The Validation program was prepared using CSPro application Software.

### 8.6 Tabulation of the Agriculture Sample Census Data Set

Analytical tables were generated using SPSS software according to a pre-defined tabulation plan which was prepared by the Agriculture Census Planning Group and Consultants. Prior to commencement of this activity the cleaned data set

was exported from CSPro to SPSS in a format comprising of 54 different Record Types, with 558 variables. A master file which contains the weight variable and all geographical information was created. This was used to calculate District, Regional and National estimates. This file was therefore used in producing the different appropriate tables according to the pre set tabulation plan. The process of the data processing is illustrated below..

*Chart 3: Logical Framework of Data Processing*




**8.7 Application of Sampling Weights**

Since the Agriculture Sample Census was done on a sample basis, it was necessary to apply the sampling factors which were developed by a sampling weight design consultant[1] for the purpose of having a true representation of the results at different levels of desegregation (national, regional and district levels). In this respect all calculations for all analytical tables were subjected to a "Sample Weight" according to a Pre defined Sample Weight Calculation formulae[2], refer chapter 4 for further Details on sampling design.

[1] *Design of Pre Analysis Application and Table, Consultancy Report, FAO, February 2005*
[2] *Consultancy Report on Expansion factor/ Weighting and Calculation of Sampling Errors, FAO, February 2005*

# CHAPTER 9: CONCLUSIONS

## 9.1 General Overview

The National Sample Census of Agriculture 2002/03 was conducted in sampled rural villages of the country. One third of total number of rural villages was selected for this purpose. The survey was the largest agriculture census in coverage up to that time and it collected a large amount of data on crop and livestock, production and productivity, input use, agro-processing and storage, farmer's access to social infrastructure, rural demographics, poverty and livelihood. The census being the first of its size to be conducted in the country had a number of achievements as well as problems. This chapter highlights these that were encountered during the execution of the exercise.

## 9.2 Achievements

### 9.2.1 Planning for Agriculture Census

The planning for the Agriculture census was done by the planning group that consisted of members from the agriculture sector ministries and the National Bureau of Statistics. This team started by designing the questionnaire which was finalized and used during the census. The questionnaire was an important instrument for the operation. Two committees were set up: The Census and Surveys Working Group (CSTWG) which had the responsibility of providing support in sourcing financing, approving budget allocations and Technical assistance inputs as well as monitoring the progress of the Census. The second was a Technical Committee which was formed to approve the proposed instruments and procedures developed by the Planning Group and also approve the tabulations and analytical reports prepared from the Census data.

### 9.2.2 Training of Trainers

The training of trainers was conducted in Dodoma and participation was 100 percent. Two participants attended from each region and others came from Zanzibar. The training that took seven days was meant to equip the trainers with the necessary knowledge to be transferred to the enumerators. Both training sessions of TOT and that of enumerators were successful in the sense that the expected knowledge was grasped by the trainees and properly applied during the census.

### 9.2.3 Listing Exercise

The listing exercise was done by enumerators in every selected village. A list of households was established and from this list a systematic sample of 15 households was selected. Having a complete list of heads of households from the villages ensured accurate framework.

### 9.2.4 Enumeration exercise

The 15 households were systematically and randomly selected for enumeration. The head of household was responsible for providing answers for the questionnaire. Having a representative set resulted into obtaining the expected information.

### 9.2.5 Meeting Census Objectives

The Agriculture Census 2002/03 was conducted to achieve specific objectives. The following were the achievements

Structural changes in the size of farm household holdings, crop and livestock production, farm input and implement use have been identified.

Improvement in rural infrastructure and the level of agriculture household living condition in the rural villages have been identified.

The census results have provided benchmark data on productivity, production and agricultural practices in relation to policies and interventions promoted by the Ministry of Agriculture, Food Security and Cooperative and other stake holders.

Baseline data for the measurement of the impact of high level objectives of the Agriculture Sector Development Programs (ASDP), National Strategy for Growth and Reduction of Poverty (NSGRP) and other rural development programs and projects have been established.

Benchmark data have been obtained that will be used to address specific issues on food security, rural poverty, cross cutting issues including gender, aging (i.e. children, youth, elderly) and, agro processing, marketing, service delivery, etc.

**9.3 Timeliness in Data Production**

By June 2005 the preliminary tables were produced and final draft tables were ready by August 2005. This is well within the norms of developed countries in which it normally takes about 1½ after data collection to start rolling out reports

Due to the large dataset more time was spent in cleaning the dataset. The reports also took a longer time than expected to write due to the complex nature of the dataset and the large number/high quality of the reports produced (31 reports).

**9.4 Accuracy of Results**

In general the results of the Agriculture Census 2002/03 were well within the acceptable norms and Standards for Tanzania Mainland. Below is a list of few items and variables selected from previous Agricultural Sample Censuses in comparison with the results from the 2002/03 Agriculture Sample Censuses, Table 7, Table 8 and Table 9. There has been a gradual change in these variables over time and the direction of change is consistent over the years.

*Table 7: Household Characteristics*

| ITEM | ***AGRICULTURE YEAR*** | | |
|---|---|---|---|
| | ***1993/94*** | ***1994/95*** | ***2002/03*** |
| Agricultural Households (numbers) | 3,692,328 | 3,871,277 | 4,805,315 |
| Rural Population | 20,028,996 | 21,015,197 | 24,743,990 |
| Average Household Size | 5.42 | 5.42 | 5.15 |

*Table 8: Livestock*

| VARIABLE | ***AGRICULTURAL YEAR*** | | |
|---|---|---|---|
| | ***1993/94*** | ***1994/95*** | ***2002/03*** |
| Agricultural household with cattle | 1,027,383 | 1,139,172 | 1,239,295 |
| Cattle (numbers) | 13,617,593 | 15,644,154 | 16,837,150 |
| :Average/Household | 13.25 | 13.73 | 14.0 |
| Indigenous Cattle (numbers) | 13,315,632 | 15,340,450 | 16,424,572 |
| Goats (numbers) | 8,641,222 | 10,681,439 | 11,756,527 |
| Sheep (numbers) | 2,692,716 | 3,492,906 | 3,945,566 |
| Indigenous Chickens (numbers) | 20,163,811 | 26,590,593 | 31,614,837 |

*Table 9: Data on Planted Area, Production and Average Yield of Selected Food Crops on Census Years.*

| CROP | AGRICULTURAL YEAR | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1993/94 | | | 1994/95 | | | 2002/03 | | |
| | Planted Area (‘000 ha) | Production (‘000 tonnes) | Average Yield (Kg/ha) | Planted Area (‘000 ha) | Production (‘000 tonnes) | Average Yield (Kg/ha) | Planted Area (‘000 ha) | Production (‘000 tonnes) | Average Yield (Kg/ha) |
| Maize | 1,203 | 1458 | 1,212 | 1,368 | 2,361 | 1,726 | 2,736 | 2,614 | 755 |
| Paddy | 162 | 192 | 1,182 | 274 | 519 | 1,892 | 519 | 595 | 958 |
| Sorghum | 212 | 258 | 1,216 | 390 | 410 | 1,053 | 398 | 216 | 481 |
| Bulrush Millets | 275 | 295 | 1,071 | 208 | 221 | 1,062 | 122 | 39 | 316 |
| Beans | 112 | 39 | 349 | 228 | 143 | 625 | 486 | 333 | 447 |

## 9.5 Problems and Experiences

### 9.5.1 Problems encountered During Household Listing and Enumeration

Listing was allocated 14 days but this was an underestimation as the actual field situation required 30 days to complete the exercise. The main reasons for the delay were mostly associated with;

Geographical location of the villages as some of the villages covered households that were long distances from one another and yet they were having the same village administrators. Some villages had households residing on hill tops that were difficult to reach example Naiyobi Village in Ngorongoro District..

It was not easy to locate heads of livestock keeping households as most of the times they were not found in their homesteads but were some distance grazing their stock.

The delay in the disbursement of field allowances from the National Bureau of Statistics headquarters to the regions seriously affected field operations

The payment made to village chairperson per day for going around with enumerator in the village was insufficient.

The payment made to enumerators per day was insufficient.

There were no funds paid to enumerators for extra days they had to work because of the hard field condition.

Enumeration exercise was allocated 30 days but in practice the exercise took 90 days. The delay was due to:

- Replenishment of the imprest account required an audit to be done half way through the data collection exercise. This meant receipts had to be returned from the field to head quarters organized and entered onto computer and submitted for auditing. This exercise caused at least a delay of one month
- Coincidence of the enumeration exercise with farming activities.
- The distance covered by the enumerator moving from one household to another.
- In certain areas of livestock keepers, it was difficult to locate the household as they were moving from one place to another in search of green pasture.

### 9.5.2 Experiences

To test skills and understanding of the trainees during training sessions was important as it increased concentration on studies.

Supervision at district level by two supervisors increased data quality as the work load for each supervisor was reduced instead of working with 15 household each supervisor concentrated with only seven households.

The use of scanning and ICR data capture technology for the small holder questionnaire increased the speed of data entry and it also increased the accuracy due to the reduction of keystroke errors.

**9.6 Data Limitations**

The census data were collected from agriculture households representing one third of the total rural villages. Urban villages were not included in the sample so the use of data should be used with caution though contribution of urban agricultural production to total national agricultural production especially for food and cash crops is minimal. However in the urban settlements there are considerable activities especially in horticultural crop production, eggs, milk and broilers from exotic breeds which are not reflected in the data.

# APPENDICES


I List of Sampled Villages..... ……..53

II Training of Trainers Training Schedule..... 92

III List of Supervisors ..... 96

IV Survey Instruments ..... 101

V Community Level Questionnaire ..... 148

# Appendix I

## List of Sampled Villages

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | Dodoma | 1 | Kondoa | 011 | Bumbuta | 05 | Itaswi | 519 | 01 | 01 | 011 | 011011 | 01101105 |
| 01 | Dodoma | 1 | Kondoa | 021 | Pahi | 02 | Potea | 382 | 02 | 01 | 011 | 011021 | 01102102 |
| 01 | Dodoma | 1 | Kondoa | 021 | Pahi | 06 | Kinyasi Kati | 597 | 03 | 01 | 011 | 011021 | 01102106 |
| 01 | Dodoma | 1 | Kondoa | 031 | Busi | 03 | Keikei | 526 | 04 | 01 | 011 | 011031 | 01103103 |
| 01 | Dodoma | 1 | Kondoa | 041 | Haubi | 01 | Haubi ( Part I ) | 1141 | 05 | 01 | 011 | 011041 | 01104101 |
| 01 | Dodoma | 1 | Kondoa | 051 | Kalamba | 02 | Kalamba | 834 | 06 | 01 | 011 | 011051 | 01105102 |
| 01 | Dodoma | 1 | Kondoa | 051 | Kalamba | 04 | Loo | 648 | 07 | 01 | 011 | 011051 | 01105104 |
| 01 | Dodoma | 1 | Kondoa | 071 | Mondo | 01 | Mondo | 798 | 08 | 01 | 011 | 011071 | 01107101 |
| 01 | Dodoma | 1 | Kondoa | 081 | Dalai | 02 | Tandala | 1017 | 09 | 01 | 011 | 011081 | 01108102 |
| 01 | Dodoma | 1 | Kondoa | 091 | Jangalo | 02 | Itolwa | 1230 | 10 | 01 | 011 | 011091 | 01109102 |
| 01 | Dodoma | 1 | Kondoa | 091 | Jangalo | 05 | Jinjo | 333 | 11 | 01 | 011 | 011091 | 01109105 |
| 01 | Dodoma | 1 | Kondoa | 101 | Mrijo | 02 | Mrijo Chini | 622 | 12 | 01 | 011 | 011101 | 01110102 |
| 01 | Dodoma | 1 | Kondoa | 111 | Chandama | 01 | Mapango | 410 | 13 | 01 | 011 | 011111 | 01111101 |
| 01 | Dodoma | 1 | Kondoa | 111 | Chandama | 04 | Mwailanje | 1141 | 14 | 01 | 011 | 011111 | 01111104 |
| 01 | Dodoma | 1 | Kondoa | 121 | Goima | 01 | Goima | 491 | 15 | 01 | 011 | 011121 | 01112101 |
| 01 | Dodoma | 1 | Kondoa | 121 | Goima | 05 | Songolo | 813 | 16 | 01 | 011 | 011121 | 01112105 |
| 01 | Dodoma | 1 | Kondoa | 131 | Chemba | 03 | Ombiri | 574 | 17 | 01 | 011 | 011131 | 01113103 |
| 01 | Dodoma | 1 | Kondoa | 141 | Paranga | 02 | Kelema Balai | 808 | 18 | 01 | 011 | 011141 | 01114102 |
| 01 | Dodoma | 1 | Kondoa | 151 | Gwandi | 02 | Rofati | 155 | 19 | 01 | 011 | 011151 | 01115102 |
| 01 | Dodoma | 1 | Kondoa | 161 | Farkwa | 06 | Gonga | 531 | 20 | 01 | 011 | 011161 | 01116106 |
| 01 | Dodoma | 1 | Kondoa | 181 | Sanzawa | 01 | Sanzawa | 688 | 21 | 01 | 011 | 011181 | 01118101 |
| 01 | Dodoma | 1 | Kondoa | 191 | Kwamtoro | 01 | Kwamtoro | 674 | 22 | 01 | 011 | 011191 | 01119101 |
| 01 | Dodoma | 1 | Kondoa | 201 | Lalta | 04 | Handa | 156 | 23 | 01 | 011 | 011201 | 01120104 |
| 01 | Dodoma | 1 | Kondoa | 211 | Suruke | 02 | Tungufu | 208 | 24 | 01 | 011 | 011211 | 01121102 |
| 01 | Dodoma | 1 | Kondoa | 221 | Kingale | 02 | Tampori | 214 | 25 | 01 | 011 | 011221 | 01122102 |
| 01 | Dodoma | 1 | Kondoa | 241 | Kolo | 01 | Kolo | 705 | 26 | 01 | 011 | 011241 | 01124101 |
| 01 | Dodoma | 1 | Kondoa | 251 | Changaa | 02 | Changaa | 435 | 27 | 01 | 011 | 011251 | 01125102 |
| 01 | Dodoma | 1 | Kondoa | 261 | Thawi | 01 | Sakami | 864 | 28 | 01 | 011 | 011261 | 01126101 |
| 01 | Dodoma | 1 | Kondoa | 261 | Thawi | 03 | Thawi Juu | 207 | 29 | 01 | 011 | 011261 | 01126103 |
| 01 | Dodoma | 1 | Kondoa | 271 | Mnenia | 03 | Filimo | 628 | 30 | 01 | 011 | 011271 | 01127103 |
| 01 | Dodoma | 1 | Kondoa | 281 | Soera | 02 | Bukulu | 3175 | 31,32 | 01 | 011 | 011281 | 01128102 |
| 01 | Dodoma | 1 | Kondoa | 291 | Masange | 02 | Kandaga A | 669 | 33 | 01 | 011 | 011291 | 01129102 |
| 01 | Dodoma | 1 | Kondoa | 301 | Kikilo | 02 | Ororimo | 404 | 34 | 01 | 011 | 011301 | 01130102 |
| 01 | Dodoma | 1 | Kondoa | 311 | Bereko | 02 | Bereko | 793 | 35 | 01 | 011 | 011311 | 01131102 |
| 01 | Dodoma | 1 | Kondoa | 321 | Kisese | 02 | Kisese Sauni | 513 | 36 | 01 | 011 | 011321 | 01132102 |
| 01 | Dodoma | 1 | Kondoa | 331 | Kikore | 01 | kikore | 423 | 37 | 01 | 011 | 011331 | 01133101 |
| 01 | Dodoma | 1 | Kondoa | 341 | Makorongo | 01 | Maziwa | 557 | 38 | 01 | 011 | 011341 | 01134101 |
| 01 | Dodoma | 1 | Kondoa | 341 | Makorongo | 05 | Chase | 1005 | 39 | 01 | 011 | 011341 | 01134105 |
| 01 | Dodoma | 1 | Kondoa | 351 | Ovada | 04 | Ovada | 414 | 40 | 01 | 011 | 011351 | 01135104 |
| | | | **Kondoa Count** | | | | | | **39** | | | | |
| 01 | Dodoma | 2 | Mpwapwa | 011 | Mazae | 02 | Gulwe | 624 | 01 | 01 | 012 | 012011 | 01201102 |
| 01 | Dodoma | 2 | Mpwapwa | 011 | Mazae | 05 | Kisokwe | 726 | 02 | 01 | 012 | 012011 | 01201105 |
| 01 | Dodoma | 2 | Mpwapwa | 023 | Vin'ghawe | 03 | Isinghu | 466 | 03 | 01 | 012 | 012023 | 01202303 |
| 01 | Dodoma | 2 | Mpwapwa | 031 | Matomondo | 03 | Mlembule | 496 | 04 | 01 | 012 | 012031 | 01203103 |
| 01 | Dodoma | 2 | Mpwapwa | 041 | Kimagai | 02 | Bumila | 458 | 05 | 01 | 012 | 012041 | 01204102 |
| 01 | Dodoma | 2 | Mpwapwa | 053 | Kibakwe | 01 | Lukole | 742 | 06 | 01 | 012 | 012053 | 01205301 |
| 01 | Dodoma | 2 | Mpwapwa | 053 | Kibakwe | 03 | Iyenge | 955 | 07 | 01 | 012 | 012053 | 01205303 |
| 01 | Dodoma | 2 | Mpwapwa | 061 | Lumuma | 01 | Pwaga | 1550 | 08 | 01 | 012 | 012061 | 01206101 |
| 01 | Dodoma | 2 | Mpwapwa | 061 | Lumuma | 04 | Lufusi | 141 | 09 | 01 | 012 | 012061 | 01206104 |
| 01 | Dodoma | 2 | Mpwapwa | 071 | Luhundwa | 01 | Ikuyu | 1028 | 10 | 01 | 012 | 012071 | 01207101 |
| 01 | Dodoma | 2 | Mpwapwa | 071 | Luhundwa | 04 | Lufu | 509 | 11 | 01 | 012 | 012071 | 01207104 |
| 01 | Dodoma | 2 | Mpwapwa | 081 | Massa | 03 | Chogola | 632 | 12 | 01 | 012 | 012081 | 01208103 |
| 01 | Dodoma | 2 | Mpwapwa | 091 | Ipera | 01 | Kinusa | 758 | 13 | 01 | 012 | 012091 | 01209101 |
| 01 | Dodoma | 2 | Mpwapwa | 091 | Ipera | 06 | Kikuyu | 409 | 14 | 01 | 012 | 012091 | 01209106 |
| 01 | Dodoma | 2 | Mpwapwa | 101 | Rudi | 03 | Mtamba | 520 | 15 | 01 | 012 | 012101 | 01210103 |
| 01 | Dodoma | 2 | Mpwapwa | 101 | Rudi | 05 | Mtera | 784 | 16 | 01 | 012 | 012101 | 01210105 |
| 01 | Dodoma | 2 | Mpwapwa | 111 | Mlunduzi | 02 | Chinya Nghuku | 523 | 17 | 01 | 012 | 012111 | 01211102 |
| 01 | Dodoma | 2 | Mpwapwa | 111 | Mlunduzi | 05 | Seluka | 317 | 18 | 01 | 012 | 012111 | 01211105 |
| 01 | Dodoma | 2 | Mpwapwa | 121 | Wotta | 03 | Lwihomero | 565 | 19 | 01 | 012 | 012121 | 01212103 |
| 01 | Dodoma | 2 | Mpwapwa | 131 | Mima | 01 | Mima | 847 | 20 | 01 | 012 | 012131 | 01213101 |
| 01 | Dodoma | 2 | Mpwapwa | 131 | Mima | 04 | Chamanda | 294 | 21 | 01 | 012 | 012131 | 01213104 |
| 01 | Dodoma | 2 | Mpwapwa | 141 | Berege | 01 | Berege | 965 | 22 | 01 | 012 | 012141 | 01214101 |
| 01 | Dodoma | 2 | Mpwapwa | 141 | Berege | 04 | Kibwegere | 496 | 23 | 01 | 012 | 012141 | 01214104 |
| 01 | Dodoma | 2 | Mpwapwa | 151 | Chunyu | 02 | Nhambi | 1044 | 24 | 01 | 012 | 012151 | 01215102 |
| 01 | Dodoma | 2 | Mpwapwa | 151 | Chunyu | 04 | Msagali | 1145 | 25 | 01 | 012 | 012151 | 01215104 |
| 01 | Dodoma | 2 | Mpwapwa | 161 | Mbuga | 02 | Mbuga | 595 | 26 | 01 | 012 | 012161 | 01216102 |
| 01 | Dodoma | 2 | Mpwapwa | 171 | Godegode | 03 | Mgoma | 287 | 27 | 01 | 012 | 012171 | 01217103 |
| | | | **Mpwapwa Count** | | | | | | **27** | | | | |
| 01 | Dodoma | 3 | Kongwa | 013 | Kongwa | 02 | Chimlata | 102 | 01 | 01 | 013 | 013013 | 01301302 |
| 01 | Dodoma | 3 | Kongwa | 021 | Sejeli | 02 | Sejeli | 303 | 02 | 01 | 013 | 013021 | 01302102 |
| 01 | Dodoma | 3 | Kongwa | 031 | Hogoro | 01 | Songambele A | 622 | 03 | 01 | 013 | 013031 | 01303101 |
| 01 | Dodoma | 3 | Kongwa | 031 | Hogoro | 02 | Songambele B | 836 | 04 | 01 | 013 | 013031 | 01303102 |
| 01 | Dodoma | 3 | Kongwa | 031 | Hogoro | 04 | Chamae | 392 | 05 | 01 | 013 | 013031 | 01303104 |
| 01 | Dodoma | 3 | Kongwa | 031 | Hogoro | 06 | Banyibanyi | 547 | 06 | 01 | 013 | 013031 | 01303106 |
| 01 | Dodoma | 3 | Kongwa | 041 | Zoissa | 03 | Leganga | 255 | 07 | 01 | 013 | 013041 | 01304103 |
| 01 | Dodoma | 3 | Kongwa | 051 | Mkoka | 04 | Makawa | 602 | 08 | 01 | 013 | 013051 | 01305104 |
| 01 | Dodoma | 3 | Kongwa | 051 | Mkoka | 06 | Mkoka | 1135 | 09 | 01 | 013 | 013051 | 01305106 |
| 01 | Dodoma | 3 | Kongwa | 061 | Njoge | 01 | Ngomai | 766 | 10 | 01 | 013 | 013061 | 01306101 |
| 01 | Dodoma | 3 | Kongwa | 061 | Njoge | 03 | Hemba hemba | 452 | 11 | 01 | 013 | 013061 | 01306103 |
| 01 | Dodoma | 3 | Kongwa | 071 | Mtanana | 02 | Ndalibo | 697 | 12 | 01 | 013 | 013071 | 01307102 |
| 01 | Dodoma | 3 | Kongwa | 081 | Pandambili | 01 | Pandambili | 919 | 13 | 01 | 013 | 013081 | 01308101 |
| 01 | Dodoma | 3 | Kongwa | 081 | Pandambili | 03 | Kiteto | 372 | 14 | 01 | 013 | 013081 | 01308103 |
| 01 | Dodoma | 3 | Kongwa | 081 | Pandambili | 05 | Moleti | 702 | 15 | 01 | 013 | 013081 | 01308105 |
| 01 | Dodoma | 3 | Kongwa | 081 | Pandambili | 07 | Vihingo | 441 | 16 | 01 | 013 | 013081 | 01308107 |
| 01 | Dodoma | 3 | Kongwa | 091 | Mlali | 01 | Mlali | 1111 | 17 | 01 | 013 | 013091 | 01309101 |
| 01 | Dodoma | 3 | Kongwa | 091 | Mlali | 03 | Mlali Bondeni | 912 | 18 | 01 | 013 | 013091 | 01309103 |
| 01 | Dodoma | 3 | Kongwa | 091 | Mlali | 05 | Nghumbi | 784 | 19 | 01 | 013 | 013091 | 01309105 |
| 01 | Dodoma | 3 | Kongwa | 101 | Iduo | 02 | Chang'ombe | 336 | 20 | 01 | 013 | 013101 | 01310102 |
| 01 | Dodoma | 3 | Kongwa | 111 | Sagara | 01 | Sagara | 1142 | 21 | 01 | 013 | 013111 | 01311101 |
| 01 | Dodoma | 3 | Kongwa | 111 | Sagara | 03 | Laikala | 610 | 22 | 01 | 013 | 013111 | 01311103 |
| 01 | Dodoma | 3 | Kongwa | 123 | Kibaigwa | 02 | Ndurugumi | 423 | 23 | 01 | 013 | 013123 | 01312302 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | Dodoma | 3 | Kongwa | 133 | Ugogoni | 02 | Machenje | 480 | 24 | 01 | 013 | 013133 | 01313302 |
| 01 | Dodoma | 3 | Kongwa | 133 | Ugogoni | 04 | Ibwaga | 802 | 25 | 01 | 013 | 013133 | 01313304 |
| 01 | Dodoma | 3 | Kongwa | 141 | Chamkoroma | 01 | Chamkoroma | 884 | 26 | 01 | 013 | 013141 | 01314101 |
| 01 | Dodoma | 3 | Kongwa | 141 | Chamkoroma | 04 | Manghweta | 361 | 27 | 01 | 013 | 013141 | 01314104 |
| | | | **Kongwa Count** | | | | | | **27** | | | | |
| 01 | Dodoma | 4 | Dodoma Rural | 021 | Itiso | 01 | Itiso | 899 | 01 | 01 | 014 | 014021 | 01402101 |
| 01 | Dodoma | 4 | Dodoma Rural | 031 | Segala | 04 | Zajilwa | 1010 | 02 | 01 | 014 | 014031 | 01403104 |
| 01 | Dodoma | 4 | Dodoma Rural | 041 | Dabalo | 03 | Chiwondo | 322 | 03 | 01 | 014 | 014041 | 01404103 |
| 01 | Dodoma | 4 | Dodoma Rural | 061 | Msanga | 02 | Kawawa | 799 | 04 | 01 | 014 | 014061 | 01406102 |
| 01 | Dodoma | 4 | Dodoma Rural | 081 | Buigiri | 01 | Chamwino | 1459 | 05 | 01 | 014 | 014081 | 01408101 |
| 01 | Dodoma | 4 | Dodoma Rural | 101 | Manchali | 01 | Manchali | 1057 | 06 | 01 | 014 | 014101 | 01410101 |
| 01 | Dodoma | 4 | Dodoma Rural | 121 | Msamalo | 01 | Mgunga | 954 | 07 | 01 | 014 | 014121 | 01412101 |
| 01 | Dodoma | 4 | Dodoma Rural | 141 | Muungano | 01 | Muungano | 786 | 08 | 01 | 014 | 014141 | 01414101 |
| 01 | Dodoma | 4 | Dodoma Rural | 161 | Handali | 01 | Handali | 1033 | 09 | 01 | 014 | 014161 | 01416101 |
| 01 | Dodoma | 4 | Dodoma Rural | 181 | Makang'wa | 01 | Makangwa | 915 | 10 | 01 | 014 | 014181 | 01418101 |
| 01 | Dodoma | 4 | Dodoma Rural | 201 | Iringa Mvumi | 01 | Iringa Mvumi | 1296 | 11 | 01 | 014 | 014201 | 01420101 |
| 01 | Dodoma | 4 | Dodoma Rural | 211 | Manzase | 02 | Sasajila | 492 | 12 | 01 | 014 | 014211 | 01421102 |
| 01 | Dodoma | 4 | Dodoma Rural | 231 | Mlowa Bwawani | 02 | Wiliko | 235 | 13 | 01 | 014 | 014231 | 01423102 |
| 01 | Dodoma | 4 | Dodoma Rural | 251 | Mpwayungu | 01 | Mpwayungu | 1578 | 14 | 01 | 014 | 014251 | 01425101 |
| 01 | Dodoma | 4 | Dodoma Rural | 261 | Nghambaku | 02 | Ndogowe | 640 | 15 | 01 | 014 | 014261 | 01426102 |
| 01 | Dodoma | 4 | Dodoma Rural | 291 | Huzi | 01 | Huzi | 562 | 16 | 01 | 014 | 014291 | 01429101 |
| 01 | Dodoma | 4 | Dodoma Rural | 311 | Chibelela | 01 | Isangha | 954 | 17 | 01 | 014 | 014311 | 01431101 |
| 01 | Dodoma | 4 | Dodoma Rural | 331 | Ibugule | 01 | Ibugule | 455 | 18 | 01 | 014 | 014331 | 01433101 |
| 01 | Dodoma | 4 | Dodoma Rural | 341 | Nondwa | 03 | Magaga | 356 | 19 | 01 | 014 | 014341 | 01434103 |
| 01 | Dodoma | 4 | Dodoma Rural | 351 | Chali | 04 | Chikopelo | 649 | 20 | 01 | 014 | 014351 | 01435104 |
| 01 | Dodoma | 4 | Dodoma Rural | 371 | Chikola | 01 | Michendeli | 1447 | 21 | 01 | 014 | 014371 | 01437101 |
| 01 | Dodoma | 4 | Dodoma Rural | 371 | Chikola | 03 | Chikola | 650 | 22 | 01 | 014 | 014371 | 01437103 |
| 01 | Dodoma | 4 | Dodoma Rural | 381 | Bahi | 03 | Nagulo Bahi | 984 | 23 | 01 | 014 | 014381 | 01438103 |
| 01 | Dodoma | 4 | Dodoma Rural | 401 | Ibihwa | 01 | Mkola | 854 | 24 | 01 | 014 | 014401 | 01440101 |
| 01 | Dodoma | 4 | Dodoma Rural | 411 | Kigwe | 01 | Kingwe | 1437 | 25 | 01 | 014 | 014411 | 01441101 |
| 01 | Dodoma | 4 | Dodoma Rural | 421 | Ilindi | 01 | Mindola | 497 | 26 | 01 | 014 | 014421 | 01442101 |
| 01 | Dodoma | 4 | Dodoma Rural | 441 | Lamaiti | 01 | Bankolo | 477 | 27 | 01 | 014 | 014441 | 01444101 |
| 01 | Dodoma | 4 | Dodoma Rural | 451 | Mundemu | 02 | Mundemu | 511 | 28 | 01 | 014 | 014451 | 01445102 |
| 01 | Dodoma | 4 | Dodoma Rural | 461 | Msisi | 04 | Tinai | 273 | 29 | 01 | 014 | 014461 | 01446104 |
| 01 | Dodoma | 4 | Dodoma Rural | 481 | Babayu | 02 | Babayu | 669 | 30 | 01 | 014 | 014481 | 01448102 |
| | | | **Dodoma Rural Count** | | | | | | **30** | | | | |
| 01 | Dodoma | 5 | Dodoma Urban | 071 | Msalato | 01 | Msalato A | 631 | 01 | 01 | 015 | 015071 | 01507101 |
| 01 | Dodoma | 5 | Dodoma Urban | 081 | Makutopora | 01 | Veyula | 912 | 02 | 01 | 015 | 015081 | 01508101 |
| 01 | Dodoma | 5 | Dodoma Urban | 081 | Makutopora | 03 | Mchemwa | 370 | 03 | 01 | 015 | 015081 | 01508103 |
| 01 | Dodoma | 5 | Dodoma Urban | 091 | Chihanga | 03 | Nzasa | 1101 | 04 | 01 | 015 | 015091 | 01509103 |
| 01 | Dodoma | 5 | Dodoma Urban | 101 | Hombolo | 01 | Hombolo Makulu | 766 | 05 | 01 | 015 | 015101 | 01510101 |
| 01 | Dodoma | 5 | Dodoma Urban | 101 | Hombolo | 02 | Hombolo Bwawani | 1139 | 06 | 01 | 015 | 015101 | 01510102 |
| 01 | Dodoma | 5 | Dodoma Urban | 101 | Hombolo | 04 | Zesipa | 692 | 07 | 01 | 015 | 015101 | 01510104 |
| 01 | Dodoma | 5 | Dodoma Urban | 111 | Ipala | 01 | Ipala | 1035 | 08 | 01 | 015 | 015111 | 01511101 |
| 01 | Dodoma | 5 | Dodoma Urban | 111 | Ipala | 03 | Mahoma Makulu | 347 | 09 | 01 | 015 | 015111 | 01511103 |
| 01 | Dodoma | 5 | Dodoma Urban | 121 | Nzuguni | 02 | Kitelela | 430 | 10 | 01 | 015 | 015121 | 01512102 |
| 01 | Dodoma | 5 | Dodoma Urban | 131 | Dodoma Makulu | 01 | Dodoma Makulu | 511 | 11 | 01 | 015 | 015131 | 01513101 |
| 01 | Dodoma | 5 | Dodoma Urban | 141 | Mtumba | 01 | Mtumba | 573 | 12 | 01 | 015 | 015141 | 01514101 |
| 01 | Dodoma | 5 | Dodoma Urban | 141 | Mtumba | 03 | Ihumwa | 1359 | 13 | 01 | 015 | 015141 | 01514103 |
| 01 | Dodoma | 5 | Dodoma Urban | 151 | Kikombo | 01 | Kikombo | 1064 | 14 | 01 | 015 | 015151 | 01515101 |
| 01 | Dodoma | 5 | Dodoma Urban | 151 | Kikombo | 02 | Chololo | 684 | 15 | 01 | 015 | 015151 | 01515102 |
| 01 | Dodoma | 5 | Dodoma Urban | 161 | Ng'hong'ona | 01 | Ng'hong'onha | 1094 | 16 | 01 | 015 | 015161 | 01516101 |
| 01 | Dodoma | 5 | Dodoma Urban | 171 | Mpunguzi | 01 | Mpunguzi | 1425 | 17 | 01 | 015 | 015171 | 01517101 |
| 01 | Dodoma | 5 | Dodoma Urban | 171 | Mpunguzi | 02 | Matumbulu | 972 | 18 | 01 | 015 | 015171 | 01517102 |
| 01 | Dodoma | 5 | Dodoma Urban | 171 | Mpunguzi | 03 | Nkulabi | 795 | 19 | 01 | 015 | 015171 | 01517103 |
| 01 | Dodoma | 5 | Dodoma Urban | 221 | Mkonze | 01 | Mkonze | 785 | 20 | 01 | 015 | 015221 | 01522101 |
| 01 | Dodoma | 5 | Dodoma Urban | 221 | Mkonze | 02 | Michese | 721 | 21 | 01 | 015 | 015221 | 01522102 |
| 01 | Dodoma | 5 | Dodoma Urban | 231 | Mbabala | 01 | Mbabala A | 1542 | 22 | 01 | 015 | 015231 | 01523101 |
| 01 | Dodoma | 5 | Dodoma Urban | 241 | Zuzu | 01 | Zuzu | 794 | 23 | 01 | 015 | 015241 | 01524101 |
| 01 | Dodoma | 5 | Dodoma urban | 291 | Nala | 01 | Nala | 1134 | 24 | 01 | 015 | 015291 | 01529101 |
| 01 | Dodoma | 5 | Dodoma urban | 291 | Nala | 02 | Chigongwe | 1095 | 25 | 01 | 015 | 015291 | 01529102 |
| 01 | Dodoma | 5 | Dodoma Urban | 301 | Mbalawala | 01 | Mbalawala | 755 | 26 | 01 | 015 | 015301 | 01530101 |
| 01 | Dodoma | 5 | Dodoma Urban | 301 | Mbalawala | 02 | Lugala | 844 | 27 | 01 | 015 | 015301 | 01530102 |
| | | | Dodoma Urban Count | | | | | | 27 | | | | |
| | **Dodoma Count** | | | | | | | | 150 | | | | |
| 02 | Arusha | 1 | Monduli | 023 | Engutoto | 02 | Alarash | 334 | 01 | 02 | 021 | 021023 | 02102302 |
| 02 | Arusha | 1 | Monduli | 031 | Monduli Juu | 03 | Enguiki | 580 | 02 | 02 | 021 | 021031 | 02103103 |
| 02 | Arusha | 1 | Monduli | 031 | Monduli Juu | 04 | Mfereji | 817 | 03 | 02 | 021 | 021031 | 02103104 |
| 02 | Arusha | 1 | Monduli | 041 | Sepeko | 02 | Repurko | 819 | 04 | 02 | 021 | 021041 | 02104102 |
| 02 | Arusha | 1 | Monduli | 041 | Sepeko | 05 | Lashaine | 788 | 05 | 02 | 021 | 021041 | 02104105 |
| 02 | Arusha | 1 | Monduli | 041 | Sepeko | 06 | Meserani Juu | 811 | 06 | 02 | 021 | 021041 | 02104106 |
| 02 | Arusha | 1 | Monduli | 051 | Lolkisale | 02 | Naalarami | 272 | 07 | 02 | 021 | 021051 | 02105102 |
| 02 | Arusha | 1 | Monduli | 051 | Lolkisale | 04 | Lolkisale Part II | 408 | 08 | 02 | 021 | 021051 | 02105104 |
| 02 | Arusha | 1 | Monduli | 061 | Moita | 03 | Moita Bwawani | 518 | 09 | 02 | 021 | 021061 | 02106103 |
| 02 | Arusha | 1 | Monduli | 071 | Makuyuni | 02 | Mswakini Juu | 283 | 10 | 02 | 021 | 021071 | 02107102 |
| 02 | Arusha | 1 | Monduli | 071 | Makuyuni | 06 | Naiti | 482 | 11 | 02 | 021 | 021071 | 02107106 |
| 02 | Arusha | 1 | Monduli | 081 | Esilalei | 01 | Losirwa | 569 | 12 | 02 | 021 | 021081 | 02108101 |
| 02 | Arusha | 1 | Monduli | 093 | Mto wa Mbu | 01 | Migombani | 807 | 13 | 02 | 021 | 021093 | 02109301 |
| 02 | Arusha | 1 | Monduli | 101 | Selela | 01 | Selela | 691 | 14 | 02 | 021 | 021101 | 02110101 |
| 02 | Arusha | 1 | Monduli | 111 | Engaruka | 01 | Engaruka Juu | 698 | 15 | 02 | 021 | 021111 | 02111101 |
| 02 | Arusha | 1 | Monduli | 121 | Kitumbeine | 01 | Orjuloongishu | 800 | 16 | 02 | 021 | 021121 | 02112101 |
| 02 | Arusha | 1 | Monduli | 121 | Kitumbeine | 03 | Noondoto | 359 | 17 | 02 | 021 | 021121 | 02112103 |
| 02 | Arusha | 1 | Monduli | 121 | Kitumbeine | 06 | Ilorienito | 484 | 18 | 02 | 021 | 021121 | 02112106 |
| 02 | Arusha | 1 | Monduli | 131 | Gelai Meirugoi | 02 | Meirugoi | 1046 | 19 | 02 | 021 | 021131 | 02113102 |
| 02 | Arusha | 1 | Monduli | 141 | Gelai Lumbwa | 01 | Alaililai | 529 | 20 | 02 | 021 | 021141 | 02114101 |
| 02 | Arusha | 1 | Monduli | 151 | Engarenaibor | 03 | Mairowa | 583 | 21 | 02 | 021 | 021151 | 02115103 |
| 02 | Arusha | 1 | Monduli | 161 | Matale | 01 | Matale' B' | 211 | 22 | 02 | 021 | 021161 | 02116101 |
| 02 | Arusha | 1 | Monduli | 173 | Namanga | 01 | Eworendeke | 599 | 23 | 02 | 021 | 021173 | 02117301 |
| 02 | Arusha | 1 | Monduli | 183 | Longido | 01 | Longido | 1197 | 24 | 02 | 021 | 021183 | 02118301 |
| 02 | Arusha | 1 | Monduli | 191 | Tingatinga | 01 | Sinya | 479 | 25 | 02 | 021 | 021191 | 02119101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | Arusha | 1 | Monduli | 201 | Ol -molog | 01 | Elerai | 355 | 26 | 02 | 021 | 021201 | 02120101 |
| 02 | Arusha | 1 | Monduli | 201 | Ol -molog | 05 | Irkaswa | 492 | 27 | 02 | 021 | 021201 | 02120105 |
| | | | **Monduli Count** | | | | | | **27** | | | | |
| 02 | Arusha | 2 | Arumeru | 011 | Oldonyosambu | 01 | Losinoni - Patrumani | 603 | 01 | 02 | 022 | 022011 | 02201101 |
| 02 | Arusha | 2 | Arumeru | 021 | Ngarenanyuki | 02 | Olkung'wado | 1169 | 02 | 02 | 022 | 022021 | 02202102 |
| 02 | Arusha | 2 | Arumeru | 031 | Leguruki | 01 | Miririny | 406 | 03 | 02 | 022 | 022031 | 02203101 |
| 02 | Arusha | 2 | Arumeru | 031 | Leguruki | 05 | Nkoasenga | 681 | 04 | 02 | 022 | 022031 | 02203105 |
| 02 | Arusha | 2 | Arumeru | 043 | King'ori | 04 | Kolila | 392 | 05 | 02 | 022 | 022043 | 02204304 |
| 02 | Arusha | 2 | Arumeru | 053 | Kikatiti | 02 | Kikatiti | 816 | 06 | 02 | 022 | 022053 | 02205302 |
| 02 | Arusha | 2 | Arumeru | 061 | Maroroni | 02 | Maroroni | 778 | 07 | 02 | 022 | 022061 | 02206102 |
| 02 | Arusha | 2 | Arumeru | 073 | Makiba | 03 | Patanumbe | 548 | 08 | 02 | 022 | 022073 | 02207303 |
| 02 | Arusha | 2 | Arumeru | 083 | Mbuguni | 04 | Msitu wa Mbogo | 300 | 09 | 02 | 022 | 022083 | 02208304 |
| 02 | Arusha | 2 | Arumeru | 091 | Bwawani | 04 | Kigongoni | 274 | 10 | 02 | 022 | 022091 | 02209104 |
| 02 | Arusha | 2 | Arumeru | 113 | Maji ya chai | 01 | Ngurdoto | 1051 | 11 | 02 | 022 | 022113 | 02211301 |
| 02 | Arusha | 2 | Arumeru | 123 | USA river | 01 | Lekitatu | 541 | 12 | 02 | 022 | 022123 | 02212301 |
| 02 | Arusha | 2 | Arumeru | 133 | Nkoaranga | 05 | Ngyani | 420 | 13 | 02 | 022 | 022133 | 02213305 |
| 02 | Arusha | 2 | Arumeru | 153 | Poli | 01 | Poli | 424 | 14 | 02 | 022 | 022153 | 02215301 |
| 02 | Arusha | 2 | Arumeru | 161 | Singisi | 02 | Singisi | 1021 | 15 | 02 | 022 | 022161 | 02216102 |
| 02 | Arusha | 2 | Arumeru | 181 | Nkoarisambu | 03 | Kimundo | 504 | 16 | 02 | 022 | 022181 | 02218103 |
| 02 | Arusha | 2 | Arumeru | 191 | Nkanrua | 04 | Amboreni/Moivaro | 978 | 17 | 02 | 022 | 022191 | 02219104 |
| 02 | Arusha | 2 | Arumeru | 211 | Mlangarini | 01 | Kiseriani | 1457 | 18 | 02 | 022 | 022211 | 02221101 |
| 02 | Arusha | 2 | Arumeru | 221 | Nduruma | 01 | Mzimuni | 406 | 19 | 02 | 022 | 022221 | 02222101 |
| 02 | Arusha | 2 | Arumeru | 231 | Oljoro | 02 | Oljoro | 415 | 20 | 02 | 022 | 022231 | 02223102 |
| 02 | Arusha | 2 | Arumeru | 253 | Mateves | 01 | Ngurbob | 279 | 21 | 02 | 022 | 022253 | 02225301 |
| 02 | Arusha | 2 | Arumeru | 273 | Kiranyi | 01 | Saitabau | 509 | 22 | 02 | 022 | 022273 | 02227301 |
| 02 | Arusha | 2 | Arumeru | 283 | Kimnyaki | 01 | Olmotonyi - Maina | 496 | 23 | 02 | 022 | 022283 | 02228301 |
| 02 | Arusha | 2 | Arumeru | 283 | Kimnyaki | 05 | Ngaramtoni | 438 | 24 | 02 | 022 | 022283 | 02228305 |
| 02 | Arusha | 2 | Arumeru | 301 | Oltroto | 04 | Ilkirevi | 741 | 25 | 02 | 022 | 022301 | 02230104 |
| 02 | Arusha | 2 | Arumeru | 313 | Sokoni II | 04 | Sekei | 595 | 26 | 02 | 022 | 022313 | 02231304 |
| 02 | Arusha | 2 | Arumeru | 331 | Musa | 02 | Likamba | 830 | 27 | 02 | 022 | 022331 | 02233102 |
| 02 | Arusha | 2 | Arumeru | 341 | Mwandeti | 03 | Losikito | 649 | 28 | 02 | 022 | 022341 | 02234103 |
| 02 | Arusha | 2 | Arumeru | 351 | Olkokola | 03 | Olkokola | 736 | 29 | 02 | 022 | 022351 | 02235103 |
| 02 | Arusha | 2 | Arumeru | 361 | Ilkiding'a | 05 | Olgeruno | 781 | 30 | 02 | 022 | 022361 | 02236105 |
| | | | **Arumeru Count** | | | | | | **30** | | | | |
| 02 | Arusha | 3 | Arusha | 091 | Terrat | 01 | Nadosoito | 716 | 01 | 02 | 023 | 023091 | 02309101 |
| 02 | Arusha | 3 | Arusha | 091 | Terrat | 02 | Mkonoo | 961 | 02 | 02 | 023 | 023091 | 02309102 |
| 02 | Arusha | 3 | Arusha | 103 | Sokon I | 01 | Sokon I | 355 | 03 | 02 | 023 | 023103 | 02310301 |
| 02 | Arusha | 3 | Arusha | 103 | Sokon I | 02 | Sinon | 630 | 04 | 02 | 023 | 023103 | 02310302 |
| | | | **Arusha Count** | | | | | | **04** | | | | |
| 02 | Arusha | 4 | Karatu | 013 | Karatu | 02 | Gyekrum-Lambo | 723 | 01 | 02 | 024 | 024013 | 02401302 |
| 02 | Arusha | 4 | Karatu | 021 | Endamarariek | 01 | Bassodowish | 717 | 02 | 02 | 024 | 024021 | 02402101 |
| 02 | Arusha | 4 | Karatu | 021 | Endamarariek | 03 | Getamock | 764 | 03 | 02 | 024 | 024021 | 02402103 |
| 02 | Arusha | 4 | Karatu | 021 | Endamarariek | 04 | Endamarariek | 863 | 04 | 02 | 024 | 024021 | 02402104 |
| 02 | Arusha | 4 | Karatu | 031 | Buger | 01 | Endanyawe | 314 | 05 | 02 | 024 | 024031 | 02403101 |
| 02 | Arusha | 4 | Karatu | 041 | Endabash | 01 | Qaru | 776 | 06 | 02 | 024 | 024041 | 02404101 |
| 02 | Arusha | 4 | Karatu | 041 | Endabash | 02 | Endabash | 663 | 07 | 02 | 024 | 024041 | 02404102 |
| 02 | Arusha | 4 | Karatu | 051 | Kansay | 02 | Kansay - Ngaidad | 519 | 08 | 02 | 024 | 024051 | 02405102 |
| 02 | Arusha | 4 | Karatu | 051 | Kansay | 04 | Ngaibara | 347 | 09 | 02 | 024 | 024051 | 02405104 |
| 02 | Arusha | 4 | Karatu | 061 | Baray | 02 | Mbuga Nyekundu | 524 | 10 | 02 | 024 | 024061 | 02406102 |
| 02 | Arusha | 4 | Karatu | 061 | Baray | 04 | Dumbechand | 589 | 11 | 02 | 024 | 024061 | 02406104 |
| 02 | Arusha | 4 | Karatu | 071 | Mang'ola | 01 | Endamaghay | 578 | 12 | 02 | 024 | 024071 | 02407101 |
| 02 | Arusha | 4 | Karatu | 071 | Mang'ola | 02 | Mang'ola Barazani | 1267 | 13 | 02 | 024 | 024071 | 02407102 |
| 02 | Arusha | 4 | Karatu | 071 | Mang'ola | 04 | Malekchand | 570 | 14 | 02 | 024 | 024071 | 02407104 |
| 02 | Arusha | 4 | Karatu | 081 | Daa | 02 | Endashangwet | 403 | 15 | 02 | 024 | 024081 | 02408102 |
| 02 | Arusha | 4 | Karatu | 081 | Daa | 04 | Makhoromba | 233 | 16 | 02 | 024 | 024081 | 02408104 |
| 02 | Arusha | 4 | Karatu | 091 | Oldeani | 01 | Oldeani | 1340 | 17 | 02 | 024 | 024091 | 02409101 |
| 02 | Arusha | 4 | Karatu | 101 | Qurus | 01 | Gongali | 773 | 18 | 02 | 024 | 024101 | 02410101 |
| 02 | Arusha | 4 | Karatu | 101 | Qurus | 03 | Bashay | 1236 | 19 | 02 | 024 | 024101 | 02410103 |
| 02 | Arusha | 4 | Karatu | 111 | Ganako | 01 | Ayalabe | 574 | 20 | 02 | 024 | 024111 | 02411101 |
| 02 | Arusha | 4 | Karatu | 111 | Ganako | 02 | Tloma | 839 | 21 | 02 | 024 | 024111 | 02411102 |
| 02 | Arusha | 4 | Karatu | 121 | Rhotia | 01 | Kilimamoja | 721 | 22 | 02 | 024 | 024121 | 02412101 |
| 02 | Arusha | 4 | Karatu | 121 | Rhotia | 03 | Rhotia Kainam | 490 | 23 | 02 | 024 | 024121 | 02412103 |
| 02 | Arusha | 4 | Karatu | 121 | Rhotia | 04 | Rhotia Kati | 930 | 24 | 02 | 024 | 024121 | 02412104 |
| 02 | Arusha | 4 | Karatu | 131 | Mbulumbulu | 01 | Lositete | 435 | 25 | 02 | 024 | 024131 | 02413101 |
| 02 | Arusha | 4 | Karatu | 131 | Mbulumbulu | 03 | Slahhamo | 926 | 26 | 02 | 024 | 024131 | 02413103 |
| 02 | Arusha | 4 | Karatu | 131 | Mbulumbulu | 05 | Kambi ya Simba | 790 | 27 | 02 | 024 | 024131 | 02413105 |
| | | | **Karatu Count** | | | | | | **27** | | | | |
| 02 | Arusha | 5 | Ngorongoro | 013 | Orgosorok | 01 | Engusero Sambu | 510 | 01 | 02 | 025 | 025013 | 02501301 |
| 02 | Arusha | 5 | Ngorongoro | 013 | Orgosorok | 02 | Olorien Magaiduru | 859 | 02 | 02 | 025 | 025013 | 02501302 |
| 02 | Arusha | 5 | Ngorongoro | 021 | Digodigo | 02 | Kisangiro | 341 | 03 | 02 | 025 | 025021 | 02502102 |
| 02 | Arusha | 5 | Ngorongoro | 021 | Digodigo | 03 | Digodigo | 497 | 04 | 02 | 025 | 025021 | 02502103 |
| 02 | Arusha | 5 | Ngorongoro | 021 | Digodigo | 04 | Yasimdito | 273 | 05 | 02 | 025 | 025021 | 02502104 |
| 02 | Arusha | 5 | Ngorongoro | 021 | Digodigo | 07 | Mugholo | 298 | 06 | 02 | 025 | 025021 | 02502107 |
| 02 | Arusha | 5 | Ngorongoro | 031 | Oldonyo - Sambu | 01 | Oldonyo Sambu | 667 | 07 | 02 | 025 | 025031 | 02503101 |
| 02 | Arusha | 5 | Ngorongoro | 041 | Pinyinyi | 02 | Engaresero | 641 | 08 | 02 | 025 | 025041 | 02504102 |
| 02 | Arusha | 5 | Ngorongoro | 061 | Malambo | 01 | Malambo | 293 | 09 | 02 | 025 | 025061 | 02506101 |
| 02 | Arusha | 5 | Ngorongoro | 071 | Nayobi | 01 | Nayobi | 967 | 10 | 02 | 025 | 025071 | 02507101 |
| 02 | Arusha | 5 | Ngorongoro | 071 | Nayobi | 02 | Nayobi Part II | 084 | 11 | 02 | 025 | 025071 | 02507102 |
| 02 | Arusha | 5 | Ngorongoro | 071 | Nayobi | 03 | Kapenjiro | 685 | 12 | 02 | 025 | 025071 | 02507103 |
| 02 | Arusha | 5 | Ngorongoro | 081 | Nainokanoka | 01 | Alailelai | 765 | 13 | 02 | 025 | 025081 | 02508101 |
| 02 | Arusha | 5 | Ngorongoro | 081 | Nainokanoka | 02 | Bulati | 830 | 14 | 02 | 025 | 025081 | 02508102 |
| 02 | Arusha | 5 | Ngorongoro | 081 | Nainokanoka | 03 | Irkeepus | 698 | 15 | 02 | 025 | 025081 | 02508103 |
| 02 | Arusha | 5 | Ngorongoro | 091 | Olbalbal | 01 | Meshili | 778 | 16 | 02 | 025 | 025091 | 02509101 |
| 02 | Arusha | 5 | Ngorongoro | 091 | Olbalbal | 02 | Ngoile | 677 | 17 | 02 | 025 | 025091 | 02509102 |
| 02 | Arusha | 5 | Ngorongoro | 103 | Ngorongoro | 01 | Misigiyo | 850 | 18 | 02 | 025 | 025103 | 02510301 |
| 02 | Arusha | 5 | Ngorongoro | 103 | Ngorongoro | 02 | Oloirobi | 569 | 19 | 02 | 025 | 025103 | 02510302 |
| 02 | Arusha | 5 | Ngorongoro | 111 | Enduleni | 01 | Enduleni | 1203 | 20 | 02 | 025 | 025111 | 02511101 |
| 02 | Arusha | 5 | Ngorongoro | 111 | Enduleni | 03 | Olpiro | 190 | 21 | 02 | 025 | 025111 | 02511103 |
| 02 | Arusha | 5 | Ngorongoro | 121 | Kakesio | 01 | Osinoni | 492 | 22 | 02 | 025 | 025121 | 02512101 |
| 02 | Arusha | 5 | Ngorongoro | 131 | Arash | 01 | Losoito - Maaloni | 630 | 23 | 02 | 025 | 025131 | 02513101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 02 | Arusha | 5 | Ngorongoro | 131 | Arash | 02 | Arash | 948 | 24 | 02 | 025 | 025131 | 02513102 |
| 02 | Arusha | 5 | Ngorongoro | 141 | Soit Sambu | 01 | Ololosokwan | 605 | 25 | 02 | 025 | 025141 | 02514101 |
| 02 | Arusha | 5 | Ngorongoro | 141 | Soit Sambu | 02 | soitsambu | 1080 | 26 | 02 | 025 | 025141 | 02514102 |
| 02 | Arusha | 5 | Ngorongoro | 141 | Soit Sambu | 03 | Olipiri | 317 | 27 | 02 | 025 | 025141 | 02514103 |
| | | | **Ngorongoro Count** | | | | | | **27** | | | | |
| | **Arusha Count** | | | | | | | | **115** | | | | |
| 03 | Kilimanjaro | 1 | Rombo | 011 | Mamsera | 03 | Mamsera Chini | 1026 | 01 | 03 | 031 | 031011 | 03101103 |
| 03 | Kilimanjaro | 1 | Rombo | 023 | Mahida/Holili | 02 | Nduduni | 692 | 02 | 03 | 031 | 031023 | 03102302 |
| 03 | Kilimanjaro | 1 | Rombo | 031 | Mengwe Manda | 01 | Mengwe Juu | 502 | 03 | 03 | 031 | 031031 | 03103101 |
| 03 | Kilimanjaro | 1 | Rombo | 031 | Mengwe Manda | 04 | Ngareni | 330 | 04 | 03 | 031 | 031031 | 03103104 |
| 03 | Kilimanjaro | 1 | Rombo | 041 | Keni/Mengeni | 01 | Mengeni (Kitasha) | 775 | 05 | 03 | 031 | 031041 | 03104101 |
| 03 | Kilimanjaro | 1 | Rombo | 051 | Keni/Aleni | 01 | Machame/Aleni | 662 | 06 | 03 | 031 | 031051 | 03105101 |
| 03 | Kilimanjaro | 1 | Rombo | 061 | Shimbi | 01 | Shimbi Kati | 1006 | 07 | 03 | 031 | 031061 | 03106101 |
| 03 | Kilimanjaro | 1 | Rombo | 061 | Shimbi | 03 | Shimbimasho | 473 | 08 | 03 | 031 | 031061 | 03106103 |
| 03 | Kilimanjaro | 1 | Rombo | 071 | Makiidi | 02 | Makiidi | 898 | 09 | 03 | 031 | 031071 | 03107102 |
| 03 | Kilimanjaro | 1 | Rombo | 083 | Kelamfua/Mokala | 02 | Mokala | 695 | 10 | 03 | 031 | 031083 | 03108302 |
| 03 | Kilimanjaro | 1 | Rombo | 091 | Ushiri/Ikuini | 02 | Ushiri | 854 | 11 | 03 | 031 | 031091 | 03109102 |
| 03 | Kilimanjaro | 1 | Rombo | 101 | Mrao Keryo | 01 | Mrao | 546 | 12 | 03 | 031 | 031101 | 03110101 |
| 03 | Kilimanjaro | 1 | Rombo | 111 | Kirwa/Keni | 01 | Keni | 494 | 13 | 03 | 031 | 031111 | 03111101 |
| 03 | Kilimanjaro | 1 | Rombo | 121 | Katangara/Mrere | 01 | Mrere | 1063 | 14 | 03 | 031 | 031121 | 03112101 |
| 03 | Kilimanjaro | 1 | Rombo | 121 | Katangara/Mrere | 02 | Karangara | 1003 | 15 | 03 | 031 | 031121 | 03112102 |
| 03 | Kilimanjaro | 1 | Rombo | 131 | Kisale Masangara | 03 | Msaranga | 650 | 16 | 03 | 031 | 031131 | 03113103 |
| 03 | Kilimanjaro | 1 | Rombo | 141 | Olele | 02 | Kitowo | 816 | 17 | 03 | 031 | 031141 | 03114102 |
| 03 | Kilimanjaro | 1 | Rombo | 141 | Olele | 04 | Kiooti | 597 | 18 | 03 | 031 | 031141 | 03114104 |
| 03 | Kilimanjaro | 1 | Rombo | 152 | Kirongo/Samanga | 00 | Kirongo Chini Part I | 1003 | 19 | 03 | 031 | 031152 | 03115200 |
| 03 | Kilimanjaro | 1 | Rombo | 161 | Kitirima/Kingachi | 01 | Msinga | 722 | 20 | 03 | 031 | 031161 | 03116101 |
| 03 | Kilimanjaro | 1 | Rombo | 161 | Kitirima/Kingachi | 04 | Leto | 852 | 21 | 03 | 031 | 031161 | 03116104 |
| 03 | Kilimanjaro | 1 | Rombo | 171 | Ubetu kahe | 01 | Ngaseni | 797 | 22 | 03 | 031 | 031171 | 03117101 |
| 03 | Kilimanjaro | 1 | Rombo | 171 | Ubetu kahe | 03 | Kahe | 153 | 23 | 03 | 031 | 031171 | 03117103 |
| 03 | Kilimanjaro | 1 | Rombo | 181 | Nanjala Reha | 01 | Msangai | 707 | 24 | 03 | 031 | 031181 | 03118101 |
| 03 | Kilimanjaro | 1 | Rombo | 181 | Nanjala Reha | 02 | Urauri | 1150 | 25 | 03 | 031 | 031181 | 03118102 |
| 03 | Kilimanjaro | 1 | Rombo | 181 | Nanjala Reha | 04 | Nayeme | 1027 | 26 | 03 | 031 | 031181 | 03118104 |
| 03 | Kilimanjaro | 1 | Rombo | 193 | Tarakea Motamburu | 01 | Kikelelwa | 1202 | 27 | 03 | 031 | 031193 | 03119301 |
| | | | **Rombo Count** | | | | | | **27** | | | | |
| 03 | Kilimanjaro | 2 | Mwanga | 013 | Kileo | 01 | Kileo | 783 | 01 | 03 | 032 | 032013 | 03201301 |
| 03 | Kilimanjaro | 2 | Mwanga | 013 | Kileo | 02 | Kituri | 503 | 02 | 03 | 032 | 032013 | 03201302 |
| 03 | Kilimanjaro | 2 | Mwanga | 013 | Kileo | 03 | Kivulini | 361 | 03 | 03 | 032 | 032013 | 03201303 |
| 03 | Kilimanjaro | 2 | Mwanga | 031 | Msangeni | 02 | Mamba | 289 | 04 | 03 | 032 | 032031 | 03203102 |
| 03 | Kilimanjaro | 2 | Mwanga | 031 | Msangeni | 04 | Simbomu | 325 | 05 | 03 | 032 | 032031 | 03203104 |
| 03 | Kilimanjaro | 2 | Mwanga | 041 | Kifula | 02 | Masumbeni | 486 | 06 | 03 | 032 | 032041 | 03204102 |
| 03 | Kilimanjaro | 2 | Mwanga | 041 | Kifula | 03 | Raa | 366 | 07 | 03 | 032 | 032041 | 03204103 |
| 03 | Kilimanjaro | 2 | Mwanga | 051 | Kighare | 01 | Kighare | 295 | 08 | 03 | 032 | 032051 | 03205101 |
| 03 | Kilimanjaro | 2 | Mwanga | 051 | Kighare | 03 | Ndanda | 275 | 09 | 03 | 032 | 032051 | 03205103 |
| 03 | Kilimanjaro | 2 | Mwanga | 061 | Kirongwe | 02 | Lomwe | 171 | 10 | 03 | 032 | 032061 | 03206102 |
| 03 | Kilimanjaro | 2 | Mwanga | 061 | Kirongwe | 04 | Mbore | 348 | 11 | 03 | 032 | 032061 | 03206104 |
| 03 | Kilimanjaro | 2 | Mwanga | 073 | Kwakoa | 02 | Kigonogoni | 391 | 12 | 03 | 032 | 032073 | 03207302 |
| 03 | Kilimanjaro | 2 | Mwanga | 073 | Kwakoa | 03 | Ngulu | 288 | 13 | 03 | 032 | 032073 | 03207303 |
| 03 | Kilimanjaro | 2 | Mwanga | 083 | Lembeni | 02 | Kisangara | 594 | 14 | 03 | 032 | 032083 | 03208302 |
| 03 | Kilimanjaro | 2 | Mwanga | 083 | Lembeni | 03 | Mgagao | 405 | 15 | 03 | 032 | 032083 | 03208303 |
| 03 | Kilimanjaro | 2 | Mwanga | 083 | Lembeni | 06 | Kiverenge | 219 | 16 | 03 | 032 | 032083 | 03208306 |
| 03 | Kilimanjaro | 2 | Mwanga | 091 | Jipe | 03 | Butu | 155 | 17 | 03 | 032 | 032091 | 03209103 |
| 03 | Kilimanjaro | 2 | Mwanga | 101 | Mwaniko | 02 | Vuchama | 475 | 18 | 03 | 032 | 032101 | 03210102 |
| 03 | Kilimanjaro | 2 | Mwanga | 101 | Mwaniko | 03 | Mangio | 292 | 19 | 03 | 032 | 032101 | 03210103 |
| 03 | Kilimanjaro | 2 | Mwanga | 111 | Chomvu | 01 | Chomvu | 336 | 20 | 03 | 032 | 032111 | 03211101 |
| 03 | Kilimanjaro | 2 | Mwanga | 111 | Chomvu | 03 | Kimbale | 270 | 21 | 03 | 032 | 032111 | 03211103 |
| 03 | Kilimanjaro | 2 | Mwanga | 111 | Chomvu | 04 | Mshewa | 404 | 22 | 03 | 032 | 032111 | 03211104 |
| 03 | Kilimanjaro | 2 | Mwanga | 121 | Ngujini | 03 | Songoa | 111 | 23 | 03 | 032 | 032121 | 03212103 |
| 03 | Kilimanjaro | 2 | Mwanga | 141 | Kilomeni | 01 | Kilomeni | 470 | 24 | 03 | 032 | 032141 | 03214101 |
| 03 | Kilimanjaro | 2 | Mwanga | 151 | Shighatini | 01 | Shighatini | 419 | 25 | 03 | 032 | 032151 | 03215101 |
| 03 | Kilimanjaro | 2 | Mwanga | 151 | Shighatini | 03 | Vuchamandambwe | 238 | 26 | 03 | 032 | 032151 | 03215103 |
| 03 | Kilimanjaro | 2 | Mwanga | 151 | Shighatini | 05 | Mkuu | 193 | 27 | 03 | 032 | 032151 | 03215105 |
| | | | **Mwanga Count** | | | | | | **27** | | | | |
| 03 | Kilimanjaro | 3 | Same | 021 | Ruvu | 01 | Mferejini Mkanyeni II | 755 | 01 | 03 | 033 | 033021 | 03302101 |
| 03 | Kilimanjaro | 3 | Same | 021 | Ruvu | 03 | Ruvu Mferejini II | 473 | 02 | 03 | 033 | 033021 | 03302103 |
| 03 | Kilimanjaro | 3 | Same | 031 | Njoro | 03 | Kizungo | 481 | 03 | 03 | 033 | 033031 | 03303103 |
| 03 | Kilimanjaro | 3 | Same | 051 | Msindo | 01 | Duma | 314 | 04 | 03 | 033 | 033051 | 03305101 |
| 03 | Kilimanjaro | 3 | Same | 051 | Msindo | 03 | Mbakweni | 444 | 05 | 03 | 033 | 033051 | 03305103 |
| 03 | Kilimanjaro | 3 | Same | 061 | Mshewa | 02 | Marindi | 535 | 06 | 03 | 033 | 033061 | 03306102 |
| 03 | Kilimanjaro | 3 | Same | 071 | Mhezi | 01 | Mtunguja | 669 | 07 | 03 | 033 | 033071 | 03307101 |
| 03 | Kilimanjaro | 3 | Same | 083 | Mwembe | 01 | Chajo | 387 | 08 | 03 | 033 | 033083 | 03308301 |
| 03 | Kilimanjaro | 3 | Same | 091 | Vudee | 01 | Vudee | 351 | 09 | 03 | 033 | 033091 | 03309101 |
| 03 | Kilimanjaro | 3 | Same | 091 | Vudee | 04 | Ndolwa | 211 | 10 | 03 | 033 | 033091 | 03309104 |
| 03 | Kilimanjaro | 3 | Same | 101 | Vuje | 03 | Vuje | 668 | 11 | 03 | 033 | 033101 | 03310103 |
| 03 | Kilimanjaro | 3 | Same | 111 | Bombo | 02 | Mjema | 297 | 12 | 03 | 033 | 033111 | 03311102 |
| 03 | Kilimanjaro | 3 | Same | 121 | Mtii | 03 | Mafiringo | 260 | 13 | 03 | 033 | 033121 | 03312103 |
| 03 | Kilimanjaro | 3 | Same | 121 | Mtii | 06 | Vumba | 283 | 14 | 03 | 033 | 033121 | 03312106 |
| 03 | Kilimanjaro | 3 | Same | 133 | Maore | 01 | Mheza | 746 | 15 | 03 | 033 | 033133 | 03313301 |
| 03 | Kilimanjaro | 3 | Same | 143 | Ndungu | 01 | Msufini | 419 | 16 | 03 | 033 | 033143 | 03314301 |
| 03 | Kilimanjaro | 3 | Same | 161 | Bendera | 01 | Mgandu | 449 | 17 | 03 | 033 | 033161 | 03316101 |
| 03 | Kilimanjaro | 3 | Same | 171 | Myamba | 01 | Kambeni | 407 | 18 | 03 | 033 | 033171 | 03317101 |
| 03 | Kilimanjaro | 3 | Same | 171 | Myamba | 05 | Mang'a | 345 | 19 | 03 | 033 | 033171 | 03317105 |
| 03 | Kilimanjaro | 3 | Same | 181 | Mpinji | 03 | Sambweni | 369 | 20 | 03 | 033 | 033181 | 03318103 |
| 03 | Kilimanjaro | 3 | Same | 191 | Bwambo | 02 | Mweteni | 591 | 21 | 03 | 033 | 033191 | 03319102 |
| 03 | Kilimanjaro | 3 | Same | 201 | Vunta | 01 | Vunta | 389 | 22 | 03 | 033 | 033201 | 03320101 |
| 03 | Kilimanjaro | 3 | Same | 201 | Vunta | 04 | Kidunda | 106 | 23 | 03 | 033 | 033201 | 03320104 |
| 03 | Kilimanjaro | 3 | Same | 211 | Chome | 03 | Gwang'a | 360 | 24 | 03 | 033 | 033211 | 03321103 |
| 03 | Kilimanjaro | 3 | Same | 221 | Suji | 03 | Gonjanza | 361 | 25 | 03 | 033 | 033221 | 03322103 |
| 03 | Kilimanjaro | 3 | Same | 243 | Hedaru | 01 | Gavao | 335 | 26 | 03 | 033 | 033243 | 03324301 |
| 03 | Kilimanjaro | 3 | Same | 251 | Kirangare | 01 | Kirangare | 284 | 27 | 03 | 033 | 033251 | 03325101 |
| | | | **Same Count** | | | | | | **27** | | | | |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03 | Kilimanjaro | 4 | Moshi Rural | 011 | Mwika Kusini | 03 | Kondeni | 517 | 01 | 03 | 034 | 034011 | 03401103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 021 | Mwika kaskazini | 01 | Lole Makera | 1056 | 02 | 03 | 034 | 034021 | 03402101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 021 | Mwika kaskazini | 03 | Mrimbo(Uuwo) | 937 | 03 | 03 | 034 | 034021 | 03402103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 031 | Mamba kaskazini | 01 | Mboni | 563 | 04 | 03 | 034 | 034031 | 03403101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 041 | Mamba kusini | 01 | Lekura | 373 | 05 | 03 | 034 | 034041 | 03404101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 051 | Marangu Mashariki | 01 | Sembeti | 361 | 06 | 03 | 034 | 034051 | 03405101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 051 | Marangu Mashariki | 05 | Samanga | 706 | 07 | 03 | 034 | 034051 | 03405105 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 061 | Marangu Magharibi | 01 | Nduweni | 359 | 08 | 03 | 034 | 034061 | 03406101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 061 | Marangu Magharibi | 04 | Komela | 372 | 09 | 03 | 034 | 034061 | 03406104 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 073 | Makuyuni | 01 | Lotima | 408 | 10 | 03 | 034 | 034073 | 03407301 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 081 | Kilema Kaskazini | 03 | Kyou | 408 | 11 | 03 | 034 | 034081 | 03408103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 091 | Kilema Kusini | 03 | Kilema Pofo | 732 | 12 | 03 | 034 | 034091 | 03409103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 101 | Kirua Vunjo Mashariki | 01 | Mero | 542 | 13 | 03 | 034 | 034101 | 03410101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 111 | Kirua Vunjo Magharibi | 02 | Marua | 382 | 14 | 03 | 034 | 034111 | 03411102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 111 | Kirua Vunjo Magharibi | 07 | Iwa | 512 | 15 | 03 | 034 | 034111 | 03411107 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 121 | Kahe | 03 | Kisangesangeni | 424 | 16 | 03 | 034 | 034121 | 03412103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 131 | Kahe Mashariki | 02 | Kyomu | 445 | 17 | 03 | 034 | 034131 | 03413102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 141 | Old Moshi East | 03 | Kikarara | 478 | 18 | 03 | 034 | 034141 | 03414103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 151 | Old moshi West | 03 | Mandaka Mnono | 424 | 19 | 03 | 034 | 034151 | 03415103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 161 | Mbokomu | 02 | Korini Kusini | 1276 | 20 | 03 | 034 | 034161 | 03416102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 171 | Uru Mashariki | 02 | Mnini | 413 | 21 | 03 | 034 | 034171 | 03417102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 181 | Uru Shimbwe | 01 | Shimbwe Juu | 504 | 22 | 03 | 034 | 034181 | 03418101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 191 | Uru South Mawela | 02 | Kiamanganuni | 464 | 23 | 03 | 034 | 034191 | 03419102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 191 | Uru South Mawela | 06 | Longuo | 402 | 24 | 03 | 034 | 034191 | 03419106 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 201 | Uru Kaskazini | 04 | Njari | 595 | 25 | 03 | 034 | 034201 | 03420104 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 211 | Mabogini | 02 | Chekeleni | 785 | 26 | 03 | 034 | 034211 | 03421102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 221 | Arusha Chini | 01 | Kiyungi | 310 | 27 | 03 | 034 | 034221 | 03422101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 221 | Arusha Chini | 06 | Langasani | 477 | 28 | 03 | 034 | 034221 | 03422106 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 231 | Kibosho Mashariki | 01 | Mweka | 792 | 29 | 03 | 034 | 034231 | 03423101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 241 | Kibosho Kati | 01 | Maua | 420 | 30 | 03 | 034 | 034241 | 03424101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 251 | Kibosho Magharibi | 01 | Manushi Ndoo | 726 | 31 | 03 | 034 | 034251 | 03425101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 251 | Kibosho Magharibi | 03 | Kombo | 331 | 32 | 03 | 034 | 034251 | 03425103 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 251 | Kibosho Magharibi | 07 | Umbwe | 509 | 33 | 03 | 034 | 034251 | 03425107 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 261 | Kindi | 02 | Kindi kati 1 | 1379 | 34 | 03 | 034 | 034261 | 03426102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 271 | Kirua Vunjo Kusini | 01 | Yamu Makaa | 573 | 35 | 03 | 034 | 034271 | 03427101 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 271 | Kirua Vunjo Kusini | 04 | Uchira | 975 | 36 | 03 | 034 | 034271 | 03427104 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 281 | Kirima | 02 | Kirima Kati | 665 | 37 | 03 | 034 | 034281 | 03428102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 291 | Okaoni Kibosho | 05 | Mkomilo | 313 | 38 | 03 | 034 | 034291 | 03429105 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 301 | Kimochi | 02 | Sango | 758 | 39 | 03 | 034 | 034301 | 03430102 |
| 03 | Kilimanjaro | 4 | Moshi Rural | 311 | Kilema Kati | 03 | Mkyashi | 363 | 40 | 03 | 034 | 034311 | 03431103 |
| | | | **Moshi Rural Count** | | | | | | **40** | | | | |
| 03 | Kilimanjaro | 5 | Hai | 011 | Machame Mashariki | 01 | Kilanya | 481 | 01 | 03 | 035 | 035011 | 03501101 |
| 03 | Kilimanjaro | 5 | Hai | 011 | Machame Mashariki | 05 | Tela | 754 | 02 | 03 | 035 | 035011 | 03501105 |
| 03 | Kilimanjaro | 5 | Hai | 011 | Machame Mashariki | 07 | Urori | 503 | 03 | 03 | 035 | 035011 | 03501107 |
| 03 | Kilimanjaro | 5 | Hai | 021 | Machame Kusini | 02 | Longoi | 760 | 04 | 03 | 035 | 035021 | 03502102 |
| 03 | Kilimanjaro | 5 | Hai | 021 | Machame Kusini | 04 | Shiri | 686 | 05 | 03 | 035 | 035021 | 03502104 |
| 03 | Kilimanjaro | 5 | Hai | 021 | Machame Kusini | 07 | Mijongweni | 554 | 06 | 03 | 035 | 035021 | 03502107 |
| 03 | Kilimanjaro | 5 | Hai | 031 | Machame Kaskazini | 02 | Wari | 1028 | 07 | 03 | 035 | 035031 | 03503102 |
| 03 | Kilimanjaro | 5 | Hai | 031 | Machame Kaskazini | 04 | Nshara | 810 | 08 | 03 | 035 | 035031 | 03503104 |
| 03 | Kilimanjaro | 5 | Hai | 041 | Machame Magharibi | 02 | Kyeeri | 624 | 09 | 03 | 035 | 035041 | 03504102 |
| 03 | Kilimanjaro | 5 | Hai | 051 | Machame Uroki | 02 | Mamba | 515 | 10 | 03 | 035 | 035051 | 03505102 |
| 03 | Kilimanjaro | 5 | Hai | 061 | Masama Mashariki | 01 | Roo | 1286 | 11 | 03 | 035 | 035061 | 03506101 |
| 03 | Kilimanjaro | 5 | Hai | 061 | Masama Mashariki | 02 | Mudio | 1066 | 12 | 03 | 035 | 035061 | 03506102 |
| 03 | Kilimanjaro | 5 | Hai | 061 | Masama Mashariki | 04 | Sonu | 1080 | 13 | 03 | 035 | 035061 | 03506104 |
| 03 | Kilimanjaro | 5 | Hai | 071 | Masama Magharibi | 01 | Lukani | 270 | 14 | 03 | 035 | 035071 | 03507101 |
| 03 | Kilimanjaro | 5 | Hai | 071 | Masama Magharibi | 05 | Nkwansira | 535 | 15 | 03 | 035 | 035071 | 03507105 |
| 03 | Kilimanjaro | 5 | Hai | 071 | Masama Magharibi | 09 | Mbosho | 501 | 16 | 03 | 035 | 035071 | 03507109 |
| 03 | Kilimanjaro | 5 | Hai | 083 | Masama Kusini | 30 | Kwasadala | 464 | 17 | 03 | 035 | 035083 | 03508330 |
| 03 | Kilimanjaro | 5 | Hai | 091 | Siha Mashariki | 03 | Mae | 470 | 18 | 03 | 035 | 035091 | 03509103 |
| 03 | Kilimanjaro | 5 | Hai | 091 | Siha Mashariki | 07 | Kishisha | 243 | 19 | 03 | 035 | 035091 | 03509107 |
| 03 | Kilimanjaro | 5 | Hai | 103 | Siha Kati | 04 | Olkolili | 611 | 20 | 03 | 035 | 035103 | 03510304 |
| 03 | Kilimanjaro | 5 | Hai | 103 | Siha Kati | 09 | Naibilie | 627 | 21 | 03 | 035 | 035103 | 03510309 |
| 03 | Kilimanjaro | 5 | Hai | 103 | Siha Kati | 13 | Magadini | 367 | 22 | 03 | 035 | 035103 | 03510313 |
| 03 | Kilimanjaro | 5 | Hai | 113 | Siha Magharibi | 02 | Londrosi | 908 | 23 | 03 | 035 | 035113 | 03511302 |
| 03 | Kilimanjaro | 5 | Hai | 113 | Siha Magharibi | 05 | Londorosi Part II | 043 | 24 | 03 | 035 | 035113 | 03511305 |
| 03 | Kilimanjaro | 5 | Hai | 123 | Masama Rundugai | 04 | Mkalama | 599 | 25 | 03 | 035 | 035123 | 03512304 |
| 03 | Kilimanjaro | 5 | Hai | 123 | Masama Rundugai | 08 | Sanya Station | 499 | 26 | 03 | 035 | 035123 | 03512308 |
| 03 | Kilimanjaro | 5 | Hai | 141 | Siha Kaskazini | 02 | Mowo | 396 | 27 | 03 | 035 | 035141 | 03514102 |
| | | | **Hai Count** | | | | | | **27** | | | | |
| | Kilimanjaro Count | | | | | | | | 148 | | | | |
| 04 | Tanga | 1 | Lushoto | 013 | Lushoto | 02 | Kwembago | 002 | 01 | 04 | 041 | 041013 | 04101302 |
| 04 | Tanga | 1 | Lushoto | 021 | Gare | 02 | Bohelo | 007 | 02 | 04 | 041 | 041021 | 04102102 |
| 04 | Tanga | 1 | Lushoto | 031 | Kwai | 01 | Kwemakame | 010 | 03 | 04 | 041 | 041031 | 04103101 |
| 04 | Tanga | 1 | Lushoto | 041 | Ubiri | 01 | Kwemashai | 014 | 04 | 04 | 041 | 041041 | 04104101 |
| 04 | Tanga | 1 | Lushoto | 041 | Ubiri | 06 | Bombo | 019 | 05 | 04 | 041 | 041041 | 04104106 |
| 04 | Tanga | 1 | Lushoto | 061 | Vuga | 01 | Vuga Bagai | 023 | 06 | 04 | 041 | 041061 | 04106101 |
| 04 | Tanga | 1 | Lushoto | 061 | Vuga | 06 | Kiluwai | 028 | 07 | 04 | 041 | 041061 | 04106106 |
| 04 | Tanga | 1 | Lushoto | 071 | Mponde | 02 | Kwemhafa | 033 | 08 | 04 | 041 | 041071 | 04107102 |
| 04 | Tanga | 1 | Lushoto | 081 | Mamba | 04 | Kwadoe | 038 | 09 | 04 | 041 | 041081 | 04108104 |
| 04 | Tanga | 1 | Lushoto | 101 | Tamota | 03 | Msamaka | 044 | 10 | 04 | 041 | 041101 | 04110103 |
| 04 | Tanga | 1 | Lushoto | 101 | Tamota | 09 | Kwemakonko | 050 | 11 | 04 | 041 | 041101 | 04110109 |
| 04 | Tanga | 1 | Lushoto | 111 | Bumbuli | 03 | Kwanguruwe | 053 | 12 | 04 | 041 | 041111 | 04111103 |
| 04 | Tanga | 1 | Lushoto | 121 | Funta | 02 | Funta | 061 | 13 | 04 | 041 | 041121 | 04112102 |
| 04 | Tanga | 1 | Lushoto | 131 | Mayo | 02 | Kwabosa | 065 | 14 | 04 | 041 | 041131 | 04113102 |
| 04 | Tanga | 1 | Lushoto | 141 | Baga | 01 | Baga | 069 | 15 | 04 | 041 | 041141 | 04114101 |
| 04 | Tanga | 1 | Lushoto | 151 | Milingano | 02 | Bumba | 073 | 16 | 04 | 041 | 041151 | 04115102 |
| 04 | Tanga | 1 | Lushoto | 161 | Mgwashi | 03 | Nkongoi | 077 | 17 | 04 | 041 | 041161 | 04116103 |
| 04 | Tanga | 1 | Lushoto | 161 | Mgwashi | 07 | Sagara | 081 | 18 | 04 | 041 | 041161 | 04116107 |
| 04 | Tanga | 1 | Lushoto | 171 | Mtae | 03 | Panga | 085 | 19 | 04 | 041 | 041171 | 04117103 |
| 04 | Tanga | 1 | Lushoto | 181 | Sunga | 01 | Mambo | 088 | 20 | 04 | 041 | 041181 | 04118101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | Tanga | 1 | Lushoto | 181 | Sunga | 03 | Maseleka | 090 | 21 | 04 | 041 | 041181 | 04118103 |
| 04 | Tanga | 1 | Lushoto | 191 | Rangwi | 01 | Goka | 093 | 22 | 04 | 041 | 041191 | 04119101 |
| 04 | Tanga | 1 | Lushoto | 191 | Rangwi | 05 | Nkelei | 097 | 23 | 04 | 041 | 041191 | 04119105 |
| 04 | Tanga | 1 | Lushoto | 201 | Mnazi | 03 | Kwemkazu | 100 | 24 | 04 | 041 | 041201 | 04120103 |
| 04 | Tanga | 1 | Lushoto | 211 | Lunguza | 03 | Tewe | 103 | 25 | 04 | 041 | 041211 | 04121103 |
| 04 | Tanga | 1 | Lushoto | 221 | Mbaramo | 04 | Nkombo | 107 | 26 | 04 | 041 | 041221 | 04122104 |
| 04 | Tanga | 1 | Lushoto | 243 | Mlalo | 02 | Mhelo | 112 | 27 | 04 | 041 | 041243 | 04124302 |
| 04 | Tanga | 1 | Lushoto | 251 | Mwangoi | 01 | Dule | 117 | 28 | 04 | 041 | 041251 | 04125101 |
| 04 | Tanga | 1 | Lushoto | 251 | Mwangoi | 04 | Mlesa | 120 | 29 | 04 | 041 | 041251 | 04125104 |
| 04 | Tanga | 1 | Lushoto | 261 | Shume | 04 | Manolo | 122 | 30 | 04 | 041 | 041261 | 04126104 |
| 04 | Tanga | 1 | Lushoto | 261 | Shume | 03 | Nywelo | 125 | 31 | 04 | 041 | 041261 | 04126103 |
| 04 | Tanga | 1 | Lushoto | 271 | Malindi | 02 | Mnadani | 129 | 32 | 04 | 041 | 041271 | 04127102 |
| 04 | Tanga | 1 | Lushoto | 271 | Malindi | 04 | Lukozi | 131 | 33 | 04 | 041 | 041271 | 04127104 |
| 04 | Tanga | 1 | Lushoto | 281 | Hemtoye | 01 | Hemtoye | 135 | 34 | 04 | 041 | 041281 | 04128101 |
| 04 | Tanga | 1 | Lushoto | 291 | Malibwi | 01 | Kwekanga | 139 | 35 | 04 | 041 | 041291 | 04129101 |
| 04 | Tanga | 1 | Lushoto | 291 | Malibwi | 03 | Ntambwe | 141 | 36 | 04 | 041 | 041291 | 04129103 |
| 04 | Tanga | 1 | Lushoto | 291 | Malibwi | 06 | Mziragembei | 144 | 37 | 04 | 041 | 041291 | 04129106 |
| 04 | Tanga | 1 | Lushoto | 301 | Mlola | 02 | Lwandai | 146 | 38 | 04 | 041 | 041301 | 04130102 |
| 04 | Tanga | 1 | Lushoto | 301 | Mlola | 05 | Makole | 149 | 39 | 04 | 041 | 041301 | 04130105 |
| 04 | Tanga | 1 | Lushoto | 311 | Makanya | 04 | Mavului | 153 | 40 | 04 | 041 | 041311 | 04131104 |
| | | | **Lushoto Count** | | | | | | **40** | | | | |
| 04 | Tanga | 2 | Korogwe | 011 | Mashewa | 02 | Mtini Bombo | 142 | 01 | 04 | 042 | 042011 | 04201102 |
| 04 | Tanga | 2 | Korogwe | 011 | Mashewa | 06 | Kulasi | 327 | 02 | 04 | 042 | 042011 | 04201106 |
| 04 | Tanga | 2 | Korogwe | 021 | Kizara | 04 | Kilangangua | 155 | 03 | 04 | 042 | 042021 | 04202104 |
| 04 | Tanga | 2 | Korogwe | 031 | Magoma | 01 | Makangara | 685 | 04 | 04 | 042 | 042031 | 04203101 |
| 04 | Tanga | 2 | Korogwe | 031 | Magoma | 05 | Kwemazandu | 351 | 05 | 04 | 042 | 042031 | 04203105 |
| 04 | Tanga | 2 | Korogwe | 041 | Kerenge | 05 | Kerenge Makaburini | 523 | 06 | 04 | 042 | 042041 | 04204105 |
| 04 | Tanga | 2 | Korogwe | 051 | Kwamndolwa | 02 | Kwamndolwa | 322 | 07 | 04 | 042 | 042051 | 04205102 |
| 04 | Tanga | 2 | Korogwe | 061 | Kwagunda | 04 | Kwagonda | 570 | 08 | 04 | 042 | 042061 | 04206104 |
| 04 | Tanga | 2 | Korogwe | 073 | Mnyuzi | 04 | Lusanga (Station) | 220 | 09 | 04 | 042 | 042073 | 04207304 |
| 04 | Tanga | 2 | Korogwe | 083 | Korogwe | 01 | Kwakombo | 793 | 10 | 04 | 042 | 042083 | 04208301 |
| 04 | Tanga | 2 | Korogwe | 091 | Ngombezi | 01 | Kitifu | 163 | 11 | 04 | 042 | 042091 | 04209101 |
| 04 | Tanga | 2 | Korogwe | 101 | Msambiazi | 02 | Mtonga | 260 | 12 | 04 | 042 | 042101 | 04210102 |
| 04 | Tanga | 2 | Korogwe | 111 | Vugiri | 02 | Kwashemshi | 599 | 13 | 04 | 042 | 042111 | 04211102 |
| 04 | Tanga | 2 | Korogwe | 111 | Vugiri | 07 | Old Ambangulu | 220 | 14 | 04 | 042 | 042111 | 04211107 |
| 04 | Tanga | 2 | Korogwe | 121 | Dindira | 02 | Mali | 504 | 15 | 04 | 042 | 042121 | 04212102 |
| 04 | Tanga | 2 | Korogwe | 121 | Dindira | 06 | Mgwashi | 497 | 16 | 04 | 042 | 042121 | 04212106 |
| 04 | Tanga | 2 | Korogwe | 121 | Dindira | 09 | Manka | 357 | 17 | 04 | 042 | 042121 | 04212109 |
| 04 | Tanga | 2 | Korogwe | 131 | Bungu | 02 | Mlungui | 435 | 18 | 04 | 042 | 042131 | 04213102 |
| 04 | Tanga | 2 | Korogwe | 131 | Bungu | 06 | Bungu Msiga | 446 | 19 | 04 | 042 | 042131 | 04213106 |
| 04 | Tanga | 2 | Korogwe | 141 | Lutindi | 05 | Welei | 380 | 20 | 04 | 042 | 042141 | 04214105 |
| 04 | Tanga | 2 | Korogwe | 151 | Makuyuni | 03 | Kwasunga | 278 | 21 | 04 | 042 | 042151 | 04215103 |
| 04 | Tanga | 2 | Korogwe | 151 | Makuyuni | 08 | Rutuba | 168 | 22 | 04 | 042 | 042151 | 04215108 |
| 04 | Tanga | 2 | Korogwe | 151 | Makuyuni | 12 | Mwenga | 321 | 23 | 04 | 042 | 042151 | 04215112 |
| 04 | Tanga | 2 | Korogwe | 161 | Chekelei | 05 | Chepete | 136 | 24 | 04 | 042 | 042161 | 04216105 |
| 04 | Tanga | 2 | Korogwe | 173 | Mombo | 02 | Mwisho wa shamba | 508 | 25 | 04 | 042 | 042173 | 04217302 |
| 04 | Tanga | 2 | Korogwe | 181 | Mkalamo | 02 | Changalikwa | 380 | 26 | 04 | 042 | 042181 | 04218102 |
| 04 | Tanga | 2 | Korogwe | 181 | Mkalamo | 05 | Makole | 213 | 27 | 04 | 042 | 042181 | 04218105 |
| 04 | Tanga | 2 | Korogwe | 193 | Mazinde | 02 | Magila (Skyline) | 835 | 28 | 04 | 042 | 042193 | 04219302 |
| 04 | Tanga | 2 | Korogwe | 193 | Mazinde | 04 | Ngua | 500 | 29 | 04 | 042 | 042193 | 04219304 |
| 04 | Tanga | 2 | Korogwe | 201 | Mkomazi | 02 | Mkomazi | 502 | 30 | 04 | 042 | 042201 | 04220102 |
| | | | **Korogwe Count** | | | | | | **30** | | | | |
| 04 | Tanga | 3 | Muheza | 011 | Kilulu | 04 | Kwasemwaliko (Kilulu) | 339 | 01 | 04 | 043 | 043011 | 04301104 |
| 04 | Tanga | 3 | Muheza | 021 | Mkuzi | 03 | Mafere | 594 | 02 | 04 | 043 | 043021 | 04302103 |
| 04 | Tanga | 3 | Muheza | 031 | Mtindiro | 02 | Maduma A & B (Lewa Es | 408 | 03 | 04 | 043 | 043031 | 04303102 |
| 04 | Tanga | 3 | Muheza | 031 | Mtindiro | 05 | Mtindiro Kati | 333 | 04 | 04 | 043 | 043031 | 04303105 |
| 04 | Tanga | 3 | Muheza | 043 | Lusanga | 06 | Mamboleo | 242 | 05 | 04 | 043 | 043043 | 04304306 |
| 04 | Tanga | 3 | Muheza | 061 | Magila | 01 | Magila | 405 | 06 | 04 | 043 | 043061 | 04306101 |
| 04 | Tanga | 3 | Muheza | 071 | Magoroto | 02 | Kwamsimba,Mabegani,K | 448 | 07 | 04 | 043 | 043071 | 04307102 |
| 04 | Tanga | 3 | Muheza | 081 | Kisiwani | 01 | Mlesa | 742 | 08 | 04 | 043 | 043081 | 04308101 |
| 04 | Tanga | 3 | Muheza | 081 | Kisiwani | 04 | Kisiwani | 330 | 09 | 04 | 043 | 043081 | 04308104 |
| 04 | Tanga | 3 | Muheza | 081 | Kisiwani | 07 | Kwemdimu | 249 | 10 | 04 | 043 | 043081 | 04308107 |
| 04 | Tanga | 3 | Muheza | 091 | Misalai | 03 | Mbomole | 476 | 11 | 04 | 043 | 043091 | 04309103 |
| 04 | Tanga | 3 | Muheza | 091 | Misalai | 07 | Sakale | 400 | 12 | 04 | 043 | 043091 | 04309107 |
| 04 | Tanga | 3 | Muheza | 103 | Maramba | 03 | Mtakuja B,Mapinduzi | 531 | 13 | 04 | 043 | 043103 | 04310303 |
| 04 | Tanga | 3 | Muheza | 103 | Maramba | 06 | Mbambakofi | 285 | 14 | 04 | 043 | 043103 | 04310306 |
| 04 | Tanga | 3 | Muheza | 103 | Maramba | 10 | Bantu | 268 | 15 | 04 | 043 | 043103 | 04310310 |
| 04 | Tanga | 3 | Muheza | 111 | Daluni | 02 | Kibaoni | 783 | 16 | 04 | 043 | 043111 | 04311102 |
| 04 | Tanga | 3 | Muheza | 121 | Kigongoi | 03 | Kwekuyu | 473 | 17 | 04 | 043 | 043121 | 04312103 |
| 04 | Tanga | 3 | Muheza | 131 | Gombero | 03 | Kwangena | 236 | 18 | 04 | 043 | 043131 | 04313103 |
| 04 | Tanga | 3 | Muheza | 131 | Gombero | 08 | machimboni | 286 | 19 | 04 | 043 | 043131 | 04313108 |
| 04 | Tanga | 3 | Muheza | 141 | Ngomeni | 02 | Ngomeni | 719 | 20 | 04 | 043 | 043141 | 04314102 |
| 04 | Tanga | 3 | Muheza | 151 | Kigombe | 02 | Kigombe Mashariki,Tree | 454 | 21 | 04 | 043 | 043151 | 04315102 |
| 04 | Tanga | 3 | Muheza | 161 | Pande | 03 | Mlingano | 663 | 22 | 04 | 043 | 043161 | 04316103 |
| 04 | Tanga | 3 | Muheza | 181 | Nkumba | 01 | Mangubu | 322 | 23 | 04 | 043 | 043181 | 04318101 |
| 04 | Tanga | 3 | Muheza | 181 | Nkumba | 04 | Kwemhose,Kwesimu,Kw | 431 | 24 | 04 | 043 | 043181 | 04318104 |
| 04 | Tanga | 3 | Muheza | 191 | Songa | 01 | Songa Batini | 491 | 25 | 04 | 043 | 043191 | 04319101 |
| 04 | Tanga | 3 | Muheza | 191 | Songa | 04 | Bwitini | 465 | 26 | 04 | 043 | 043191 | 04319104 |
| 04 | Tanga | 3 | Muheza | 201 | Potwe | 02 | Kimbo | 268 | 27 | 04 | 043 | 043201 | 04320102 |
| 04 | Tanga | 3 | Muheza | 211 | Mkinga | 03 | Magaoni | 284 | 28 | 04 | 043 | 043211 | 04321103 |
| 04 | Tanga | 3 | Muheza | 221 | Duga | 02 | Maforoni | 460 | 29 | 04 | 043 | 043221 | 04322102 |
| 04 | Tanga | 3 | Muheza | 221 | Duga | 09 | Kwakikonge | 259 | 30 | 04 | 043 | 043221 | 04322109 |
| 04 | Tanga | 3 | Muheza | 241 | Kwale | 01 | Kilimani | 152 | 31 | 04 | 043 | 043241 | 04324101 |
| 04 | Tanga | 3 | Muheza | 251 | Mtimbwani | 04 | Mtibwani | 268 | 32 | 04 | 043 | 043251 | 04325104 |
| 04 | Tanga | 3 | Muheza | 261 | Moa | 05 | Vuo | 236 | 33 | 04 | 043 | 043261 | 04326105 |
| 04 | Tanga | 3 | Muheza | 301 | Misozwe | 04 | Mwarimba | 156 | 34 | 04 | 043 | 043301 | 04330104 |
| 04 | Tanga | 3 | Muheza | 321 | Mhinduro | 01 | Matemboni/Majengo,Mat | 182 | 35 | 04 | 043 | 043321 | 04332101 |
| 04 | Tanga | 3 | Muheza | 321 | Mhinduro | 05 | Churwa | 470 | 36 | 04 | 043 | 043321 | 04332105 |
| 04 | Tanga | 3 | Muheza | 331 | Zirai | 01 | Zirai | 193 | 37 | 04 | 043 | 043331 | 04333101 |
| 04 | Tanga | 3 | Muheza | 341 | Kwafungo | 01 | makole | 380 | 38 | 04 | 043 | 043341 | 04334101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | Tanga | 3 | Muheza | 341 | Kwafungo | 05 | Mandera | 230 | 39 | 04 | 043 | 043341 | 04334105 |
| 04 | Tanga | 3 | Muheza | 351 | Tingeni | 04 | Mpakani | 195 | 40 | 04 | 043 | 043351 | 04335104 |
| | | | **Muheza Count** | | | | | | **40** | | | | |
| 04 | Tanga | 4 | Tanga | 103 | Mzingani | 03 | Mnyanjani | 118 | 01 | 04 | 044 | 044103 | 04410303 |
| 04 | Tanga | 4 | Tanga | 103 | Mzingani | 05 | Kwanjeka Nyota | 464 | 02 | 04 | 044 | 044103 | 04410305 |
| 04 | Tanga | 4 | Tanga | 103 | Mzingani | 06 | Gezaulole | 386 | 03 | 04 | 044 | 044103 | 04410306 |
| 04 | Tanga | 4 | Tanga | 103 | Mzingani | 08 | Kwanjeka Majengo | 343 | 04 | 04 | 044 | 044103 | 04410308 |
| 04 | Tanga | 4 | Tanga | 133 | Tangasisi | 02 | Mwahako | 390 | 05 | 04 | 044 | 044133 | 04413302 |
| 04 | Tanga | 4 | Tanga | 133 | Tangasisi | 03 | Machui | 368 | 06 | 04 | 044 | 044133 | 04413303 |
| 04 | Tanga | 4 | Tanga | 133 | Tangasisi | 04 | Masiwani | 257 | 07 | 04 | 044 | 044133 | 04413304 |
| 04 | Tanga | 4 | Tanga | 151 | Tongoni | 02 | Tongoni/Migombani/Mwa | 366 | 08 | 04 | 044 | 044151 | 04415102 |
| 04 | Tanga | 4 | Tanga | 151 | Tongoni | 04 | Mgwisha/Kaduka | 171 | 09 | 04 | 044 | 044151 | 04415104 |
| 04 | Tanga | 4 | Tanga | 161 | Marungu | 01 | Mkembe | 456 | 10 | 04 | 044 | 044161 | 04416101 |
| 04 | Tanga | 4 | Tanga | 173 | Pongwe | 01 | Maranzara | 320 | 11 | 04 | 044 | 044173 | 04417301 |
| 04 | Tanga | 4 | Tanga | 173 | Pongwe | 02 | Kisimatui | 361 | 12 | 04 | 044 | 044173 | 04417302 |
| 04 | Tanga | 4 | Tanga | 181 | Maweni | 01 | Kichangani/Buhurii | 1471 | 13, 14, 15 | 04 | 044 | 044181 | 04418101 |
| 04 | Tanga | 4 | Tanga | 193 | Duga | 01 | Magomeni C A | 528 | 16 | 04 | 044 | 044193 | 04419301 |
| 04 | Tanga | 4 | Tanga | 193 | Duga | 02 | Mjimwema | 288 | 17 | 04 | 044 | 044193 | 04419302 |
| 04 | Tanga | 4 | Tanga | 211 | Mabokweni | 01 | Mji Ulaya,Kambini,Kwaw | 581 | 18,19 | 04 | 044 | 044211 | 04421101 |
| 04 | Tanga | 4 | Tanga | 211 | Mabokweni | 02 | Kibafuta/Ukereni,Mwarim | 443 | 20 | 04 | 044 | 044211 | 04421102 |
| 04 | Tanga | 4 | Tanga | 221 | Kirare | 01 | Kirare/Korosini/Mtambuu | 490 | 21 | 04 | 044 | 044221 | 04422101 |
| 04 | Tanga | 4 | Tanga | 221 | Kirare | 02 | Mapojoni & Mkwakwani | 451 | 22 | 04 | 044 | 044221 | 04422102 |
| 04 | Tanga | 4 | Tanga | 231 | Kiomoni | 01 | Kiomoni | 241 | 23 | 04 | 044 | 044231 | 04423101 |
| 04 | Tanga | 4 | Tanga | 231 | Kiomoni | 02 | Pande B | 452 | 24 | 04 | 044 | 044231 | 04423102 |
| 04 | Tanga | 4 | Tanga | 231 | Kiomoni | 03 | Pande A | 577 | 25 | 04 | 044 | 044231 | 04423103 |
| 04 | Tanga | 4 | Tanga | 241 | Chongoleani | 01 | Chongoleani/Bagamoyo | 432 | 26 | 04 | 044 | 044241 | 04424101 |
| 04 | Tanga | 4 | Tanga | 241 | Chongoleani | 03 | Mpirani | 230 | 27 | 04 | 044 | 044241 | 04424103 |
| | | | **Tanga Count** | | | | | | **24** | | | | |
| 04 | Tanga | 5 | Pangani | 031 | Bweni | 01 | Bweni | 346 | 01 | 04 | 045 | 045031 | 04503101 |
| 04 | Tanga | 5 | Pangani | 041 | Madanga | 01 | Mwembeni | 237 | 02 | 04 | 045 | 045041 | 04504101 |
| 04 | Tanga | 5 | Pangani | 041 | Madanga | 02 | Jaira | 181 | 03 | 04 | 045 | 045041 | 04504102 |
| 04 | Tanga | 5 | Pangani | 041 | Madanga | 03 | Madanga | 443 | 04 | 04 | 045 | 045041 | 04504103 |
| 04 | Tanga | 5 | Pangani | 051 | Kimang'a | 01 | Boza | 355 | 05 | 04 | 045 | 045051 | 04505101 |
| 04 | Tanga | 5 | Pangani | 051 | Kimang'a | 02 | Kimanga "B" | 463 | 06 | 04 | 045 | 045051 | 04505102 |
| 04 | Tanga | 5 | Pangani | 061 | Bushiri | 01 | Mivumoni | 192 | 07 | 04 | 045 | 045061 | 04506101 |
| 04 | Tanga | 5 | Pangani | 061 | Bushiri | 02 | Msaraza | 328 | 08 | 04 | 045 | 045061 | 04506102 |
| 04 | Tanga | 5 | Pangani | 061 | Bushiri | 03 | Kigurusimba | 352 | 09 | 04 | 045 | 045061 | 04506103 |
| 04 | Tanga | 5 | Pangani | 061 | Bushiri | 04 | Masaika | 312 | 10 | 04 | 045 | 045061 | 04506104 |
| 04 | Tanga | 5 | Pangani | 071 | Mwera | 01 | Mwera | 652 | 11, 12 | 04 | 045 | 045071 | 04507101 |
| 04 | Tanga | 5 | Pangani | 081 | Tungamaa | 01 | Langoni | 228 | 13 | 04 | 045 | 045081 | 04508101 |
| 04 | Tanga | 5 | Pangani | 081 | Tungamaa | 02 | Tungamaa | 363 | 14 | 04 | 045 | 045081 | 04508102 |
| 04 | Tanga | 5 | Pangani | 091 | Kipumbwi | 01 | Kwakibuyu | 724 | 15,16 | 04 | 045 | 045091 | 04509101 |
| 04 | Tanga | 5 | Pangani | 091 | Kipumbwi | 02 | Kipumbwi | 334 | 17 | 04 | 045 | 045091 | 04509102 |
| 04 | Tanga | 5 | Pangani | 101 | Mikinguni | 01 | Mtango | 200 | 18 | 04 | 045 | 045101 | 04510101 |
| 04 | Tanga | 5 | Pangani | 101 | Mikinguni | 02 | Stahabu | 246 | 19 | 04 | 045 | 045101 | 04510102 |
| 04 | Tanga | 5 | Pangani | 101 | Mikinguni | 04 | Mtonga | 153 | 20 | 04 | 045 | 045101 | 04510104 |
| 04 | Tanga | 5 | Pangani | 111 | Ubangaa | 02 | Mseko | 141 | 21 | 04 | 045 | 045111 | 04511102 |
| 04 | Tanga | 5 | Pangani | 121 | Mkwaja | 01 | Sange | 312 | 22 | 04 | 045 | 045121 | 04512101 |
| 04 | Tanga | 5 | Pangani | 121 | Mkwaja | 02 | Mikocheni | 273 | 23 | 04 | 045 | 045121 | 04512102 |
| 04 | Tanga | 5 | Pangani | 121 | Mkwaja | 03 | Mkwaja | 214 | 24 | 04 | 045 | 045121 | 04512103 |
| 04 | Tanga | 5 | Pangani | 131 | Mkalamo | 01 | Mkalamo | 721 | 25,26 | 04 | 045 | 045131 | 04513101 |
| 04 | Tanga | 5 | Pangani | 131 | Mkalamo | 02 | Mbulizaga | 293 | 27 | 04 | 045 | 045131 | 04513102 |
| | | | **Pangani Count** | | | | | | **24** | | | | |
| 04 | Tanga | 6 | Handeni | 011 | Segera | 03 | Masatu | 352 | 01 | 04 | 046 | 046011 | 04601103 |
| 04 | Tanga | 6 | Handeni | 011 | Segera | 07 | Michungwani | 866 | 02 | 04 | 046 | 046011 | 04601107 |
| 04 | Tanga | 6 | Handeni | 021 | Ndolwa | 02 | Chanika Kofi | 371 | 03 | 04 | 046 | 046021 | 04602102 |
| 04 | Tanga | 6 | Handeni | 021 | Ndolwa | 05 | Komkole | 541 | 04 | 04 | 046 | 046021 | 04602105 |
| 04 | Tanga | 6 | Handeni | 031 | Mazingara | 01 | Suwa | 590 | 05 | 04 | 046 | 046031 | 04603101 |
| 04 | Tanga | 6 | Handeni | 041 | Kwamsisi | 01 | Pozo | 269 | 06 | 04 | 046 | 046041 | 04604101 |
| 04 | Tanga | 6 | Handeni | 041 | Kwamsisi | 03 | Kwedikabu | 555 | 07 | 04 | 046 | 046041 | 04604103 |
| 04 | Tanga | 6 | Handeni | 051 | Kwasunga | 03 | Kwasunga | 492 | 08 | 04 | 046 | 046051 | 04605103 |
| 04 | Tanga | 6 | Handeni | 061 | Kwaluguru | 03 | Kwamagome | 615 | 09 | 04 | 046 | 046061 | 04606103 |
| 04 | Tanga | 6 | Handeni | 071 | Kang'ata | 01 | Kwaluwala | 413 | 10 | 04 | 046 | 046071 | 04607101 |
| 04 | Tanga | 6 | Handeni | 081 | Kwankonje | 01 | Kwamkunga | 161 | 11 | 04 | 046 | 046081 | 04608101 |
| 04 | Tanga | 6 | Handeni | 081 | Kwankonje | 06 | Mparagwe | 123 | 12 | 04 | 046 | 046081 | 04608106 |
| 04 | Tanga | 6 | Handeni | 093 | Vibaoni | 01 | Konje | 306 | 13 | 04 | 046 | 046093 | 04609301 |
| 04 | Tanga | 6 | Handeni | 093 | Vibaoni | 05 | Kideleko | 648 | 14 | 04 | 046 | 046093 | 04609305 |
| 04 | Tanga | 6 | Handeni | 101 | Sindeni | 02 | Kwamkono | 327 | 15 | 04 | 046 | 046101 | 04610102 |
| 04 | Tanga | 6 | Handeni | 101 | Sindeni | 05 | Sindeni | 496 | 16 | 04 | 046 | 046101 | 04610105 |
| 04 | Tanga | 6 | Handeni | 111 | Misima | 04 | Misima | 498 | 17 | 04 | 046 | 046111 | 04611104 |
| 04 | Tanga | 6 | Handeni | 121 | Kiva | 01 | Kweditibile | 713 | 18 | 04 | 046 | 046121 | 04612101 |
| 04 | Tanga | 6 | Handeni | 131 | Kabuku | 03 | Kabuku Kaskazini | 340 | 19 | 04 | 046 | 046131 | 04613103 |
| 04 | Tanga | 6 | Handeni | 141 | Kwamatuku | 01 | Nkale | 180 | 20 | 04 | 046 | 046141 | 04614101 |
| 04 | Tanga | 6 | Handeni | 151 | Kwedizinga | 01 | Kwedizinga | 176 | 21 | 04 | 046 | 046151 | 04615101 |
| 04 | Tanga | 6 | Handeni | 151 | Kwedizinga | 06 | Kwadoya | 452 | 22 | 04 | 046 | 046151 | 04615106 |
| 04 | Tanga | 6 | Handeni | 161 | Mgambo | 02 | Kabuku Ndani | 310 | 23 | 04 | 046 | 046161 | 04616102 |
| 04 | Tanga | 6 | Handeni | 161 | Mgambo | 04 | Komsanga | 833 | 24 | 04 | 046 | 046161 | 04616104 |
| 04 | Tanga | 6 | Handeni | 171 | Komkonga | 03 | Kwamachalima | 273 | 25 | 04 | 046 | 046171 | 04617103 |
| 04 | Tanga | 6 | Handeni | 181 | Mkata | 01 | Kwengahu | 330 | 26 | 04 | 046 | 046181 | 04618101 |
| 04 | Tanga | 6 | Handeni | 181 | Mkata | 04 | Mkata Magharibi | 898 | 27 | 04 | 046 | 046181 | 04618104 |
| 04 | Tanga | 6 | Handeni | 181 | Mkata | 06 | Manga | 574 | 28 | 04 | 046 | 046181 | 04618106 |
| 04 | Tanga | 6 | Handeni | 193 | Chanika | 02 | Kwenjugo Magharibi | 675 | 29 | 04 | 046 | 046193 | 04619302 |
| 04 | Tanga | 6 | Handeni | 193 | Chanika | 05 | Kilimilang'ombe | 327 | 30 | 04 | 046 | 046193 | 04619305 |
| | | | **Handeni Count** | | | | | | **30** | | | | |
| 04 | Tanga | 7 | Kilindi | 011 | Lwande | 01 | Iwande | 603 | 01 | 04 | 047 | 047011 | 04701101 |
| 04 | Tanga | 7 | Kilindi | 011 | Lwande | 03 | Kwekivu | 605 | 02 | 04 | 047 | 047011 | 04701103 |
| 04 | Tanga | 7 | Kilindi | 021 | Kikunde | 02 | Ludewa | 258 | 03 | 04 | 047 | 047021 | 04702102 |
| 04 | Tanga | 7 | Kilindi | 021 | Kikunde | 04 | Tunguli | 563 | 04 | 04 | 047 | 047021 | 04702104 |
| 04 | Tanga | 7 | Kilindi | 031 | Songe | 02 | Kwastemba | 341 | 05 | 04 | 047 | 047031 | 04703102 |
| 04 | Tanga | 7 | Kilindi | 031 | Songe | 04 | Songe | 702 | 06 | 04 | 047 | 047031 | 04703104 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | Tanga | 7 | Kilindi | 041 | Pagwi | 01 | Pagwi | 417 | 07 | 04 | 047 | 047041 | 04704101 |
| 04 | Tanga | 7 | Kilindi | 041 | Pagwi | 04 | Nyamaleni | 333 | 08 | 04 | 047 | 047041 | 04704104 |
| 04 | Tanga | 7 | Kilindi | 051 | Masagalu | 02 | Masagalu | 377 | 09 | 04 | 047 | 047051 | 04705102 |
| 04 | Tanga | 7 | Kilindi | 061 | Kimbe | 01 | Kweisapo | 364 | 10 | 04 | 047 | 047061 | 04706101 |
| 04 | Tanga | 7 | Kilindi | 071 | Kilindi | 01 | Misufini | 243 | 11 | 04 | 047 | 047071 | 04707101 |
| 04 | Tanga | 7 | Kilindi | 071 | Kilindi | 04 | Kilindi | 517 | 12 | 04 | 047 | 047071 | 04707104 |
| 04 | Tanga | 7 | Kilindi | 081 | Negero | 02 | Kwaluguru | 286 | 13 | 04 | 047 | 047081 | 04708102 |
| 04 | Tanga | 7 | Kilindi | 091 | Mkindi | 02 | Mkindi | 660 | 14 | 04 | 047 | 047091 | 04709102 |
| 04 | Tanga | 7 | Kilindi | 101 | Mvungwe | 01 | Kibirashi | 843 | 15 | 04 | 047 | 047101 | 04710101 |
| 04 | Tanga | 7 | Kilindi | 101 | Mvungwe | 02 | Gitu | 342 | 16 | 04 | 047 | 047101 | 04710102 |
| 04 | Tanga | 7 | Kilindi | 101 | Mvungwe | 04 | Gombero | 664 | 17 | 04 | 047 | 047101 | 04710104 |
| 04 | Tanga | 7 | Kilindi | 101 | Mvungwe | 06 | Mafisa Majengo | 871 | 18 | 04 | 047 | 047101 | 04710106 |
| 04 | Tanga | 7 | Kilindi | 101 | Mvungwe | 07 | Kwamwande | 451 | 19 | 04 | 047 | 047101 | 04710107 |
| 04 | Tanga | 7 | Kilindi | 111 | Kwediboma | 02 | Mzinga | 389 | 20 | 04 | 047 | 047111 | 04711102 |
| 04 | Tanga | 7 | Kilindi | 111 | Kwediboma | 04 | Kwediboma | 1141 | 21 | 04 | 047 | 047111 | 04711104 |
| 04 | Tanga | 7 | Kilindi | 111 | Kwediboma | 05 | Mpalahala | 365 | 22 | 04 | 047 | 047111 | 04711105 |
| 04 | Tanga | 7 | Kilindi | 131 | Jaila | 02 | Mafuleta | 364 | 23 | 04 | 047 | 047131 | 04713102 |
| 04 | Tanga | 7 | Kilindi | 131 | Jaila | 04 | Kolang'a | 404 | 24 | 04 | 047 | 047131 | 04713104 |
| 04 | Tanga | 7 | Kilindi | 141 | Msanja | 03 | Mkonde | 264 | 25 | 04 | 047 | 047141 | 04714103 |
| 04 | Tanga | 7 | Kilindi | 141 | Msanja | 05 | Mswaki | 452 | 26 | 04 | 047 | 047141 | 04714105 |
| 04 | Tanga | 7 | Kilindi | 151 | Kisangasa | 02 | Mgera | 407 | 27 | 04 | 047 | 047151 | 04715102 |
| | | | **Kilindi Count** | | | | | | **27** | | | | |
| | Tanga Count | | | | | | | | 215 | | | | |
| 05 | Morogoro | 1 | Kilosa | 011 | Chakwale | 02 | Idibo | 815 | 01 | 05 | 051 | 051011 | 05101102 |
| 05 | Morogoro | 1 | Kilosa | 011 | Chakwale | 04 | Chakwale | 982 | 02 | 05 | 051 | 051011 | 05101104 |
| 05 | Morogoro | 1 | Kilosa | 011 | Chakwale | 06 | Ndogoni | 370 | 03 | 05 | 051 | 051011 | 05101106 |
| 05 | Morogoro | 1 | Kilosa | 021 | Iyogwe | 04 | Italagwe | 547 | 04 | 05 | 051 | 051021 | 05102104 |
| 05 | Morogoro | 1 | Kilosa | 031 | Berega | 01 | Dumbalume | 189 | 05 | 05 | 051 | 051031 | 05103101 |
| 05 | Morogoro | 1 | Kilosa | 031 | Berega | 04 | Kiegea | 559 | 06 | 05 | 051 | 051031 | 05103104 |
| 05 | Morogoro | 1 | Kilosa | 043 | Magubike | 03 | Maguha | 519 | 07 | 05 | 051 | 051043 | 05104303 |
| 05 | Morogoro | 1 | Kilosa | 051 | Mamboya | 01 | Mamboya | 300 | 08 | 05 | 051 | 051051 | 05105101 |
| 05 | Morogoro | 1 | Kilosa | 051 | Mamboya | 05 | Kitange II | 634 | 09 | 05 | 051 | 051051 | 05105105 |
| 05 | Morogoro | 1 | Kilosa | 063 | Dumila | 03 | Kwambe | 111 | 10 | 05 | 051 | 051063 | 05106303 |
| 05 | Morogoro | 1 | Kilosa | 073 | Magole | 01 | Mandela | 458 | 11 | 05 | 051 | 051073 | 05107301 |
| 05 | Morogoro | 1 | Kilosa | 073 | Magole | 03 | Mbigiri | 862 | 12 | 05 | 051 | 051073 | 05107303 |
| 05 | Morogoro | 1 | Kilosa | 083 | Msowero | 05 | Mvumi | 1365 | 13 | 05 | 051 | 051083 | 05108305 |
| 05 | Morogoro | 1 | Kilosa | 091 | Rudewa | 03 | Peapea | 370 | 14 | 05 | 051 | 051091 | 05109103 |
| 05 | Morogoro | 1 | Kilosa | 101 | Chanzuru | 01 | Mkata Station | 236 | 15 | 05 | 051 | 051101 | 05110101 |
| 05 | Morogoro | 1 | Kilosa | 101 | Chanzuru | 05 | Ilonga | 703 | 16 | 05 | 051 | 051101 | 05110105 |
| 05 | Morogoro | 1 | Kilosa | 171 | Mabwerebwere | 02 | Kibaoni | 505 | 17 | 05 | 051 | 051171 | 05117102 |
| 05 | Morogoro | 1 | Kilosa | 171 | Mabwerebwere | 06 | Malangali | 658 | 18 | 05 | 051 | 051171 | 05117106 |
| 05 | Morogoro | 1 | Kilosa | 171 | Mabwerebwere | 08 | Malui | 808 | 19 | 05 | 051 | 051171 | 05117108 |
| 05 | Morogoro | 1 | Kilosa | 193 | Mikumi | 01 | Ihombwe | 134 | 20 | 05 | 051 | 051193 | 05119301 |
| 05 | Morogoro | 1 | Kilosa | 201 | Ruhembe | 02 | Kidogobasi | 422 | 21 | 05 | 051 | 051201 | 05120102 |
| 05 | Morogoro | 1 | Kilosa | 213 | Kidodi | 02 | Msowero | 304 | 22 | 05 | 051 | 051213 | 05121302 |
| 05 | Morogoro | 1 | Kilosa | 213 | Kidodi | 05 | Kifinga | 590 | 23 | 05 | 051 | 051213 | 05121305 |
| 05 | Morogoro | 1 | Kilosa | 221 | Vidunda | 02 | Vidunda | 524 | 24 | 05 | 051 | 051221 | 05122102 |
| 05 | Morogoro | 1 | Kilosa | 231 | Malolo | 03 | Malolo DAR | 575 | 25 | 05 | 051 | 051231 | 05123103 |
| 05 | Morogoro | 1 | Kilosa | 243 | Kisanga | 02 | Msolwa | 734 | 26 | 05 | 051 | 051243 | 05124302 |
| 05 | Morogoro | 1 | Kilosa | 261 | Ulaya | 02 | Ulaya Mbuyuni | 290 | 27 | 05 | 051 | 051261 | 05126102 |
| 05 | Morogoro | 1 | Kilosa | 261 | Ulaya | 05 | Mhenda | 645 | 28 | 05 | 051 | 051261 | 05126105 |
| 05 | Morogoro | 1 | Kilosa | 271 | Zombo | 03 | Madudumizi | 819 | 29 | 05 | 051 | 051271 | 05127103 |
| 05 | Morogoro | 1 | Kilosa | 281 | Lumuma | 04 | Lumuma Idole | 635 | 30 | 05 | 051 | 051281 | 05128104 |
| 05 | Morogoro | 1 | Kilosa | 291 | Masanze | 02 | Changarawe | 677 | 31 | 05 | 051 | 051291 | 05129102 |
| 05 | Morogoro | 1 | Kilosa | 301 | Kidete | 02 | Mzaganza | 371 | 32 | 05 | 051 | 051301 | 05130102 |
| 05 | Morogoro | 1 | Kilosa | 311 | Lubuji | 01 | Lubuji | 443 | 33 | 05 | 051 | 051311 | 05131101 |
| 05 | Morogoro | 1 | Kilosa | 321 | Chanjale | 05 | Lukando | 184 | 34 | 05 | 051 | 051321 | 05132105 |
| 05 | Morogoro | 1 | Kilosa | 331 | Chagongwe | 02 | Chagongwe | 440 | 35 | 05 | 051 | 051331 | 05133102 |
| 05 | Morogoro | 1 | Kilosa | 341 | Mandege | 02 | Njungwa | 530 | 36 | 05 | 051 | 051341 | 05134102 |
| 05 | Morogoro | 1 | Kilosa | 351 | Rubeho | 03 | Kisitwi/Ititu | 601 | 37 | 05 | 051 | 051351 | 05135103 |
| 05 | Morogoro | 1 | Kilosa | 363 | Gairo | 02 | Luhwaji | 398 | 38 | 05 | 051 | 051363 | 05136302 |
| 05 | Morogoro | 1 | Kilosa | 363 | Gairo | 06 | Mkalama | 448 | 39 | 05 | 051 | 051363 | 05136306 |
| 05 | Morogoro | 1 | Kilosa | 371 | Kibedya | 03 | Tabu hotel | 300 | 40 | 05 | 051 | 051371 | 05137103 |
| | | | **Kilosa Count** | | | | | | **40** | | | | |
| 05 | Morogoro | 2 | Morogoro | 011 | Kasanga | 04 | Longwe | 156 | 01 | 05 | 052 | 052011 | 05201104 |
| 05 | Morogoro | 2 | Morogoro | 021 | Kolero | 01 | Lukange | 473 | 02 | 05 | 052 | 052021 | 05202101 |
| 05 | Morogoro | 2 | Morogoro | 021 | Kolero | 06 | Mlangano | 208 | 03 | 05 | 052 | 052021 | 05202106 |
| 05 | Morogoro | 2 | Morogoro | 031 | Mvuha | 05 | Kongwa | 465 | 04 | 05 | 052 | 052031 | 05203105 |
| 05 | Morogoro | 2 | Morogoro | 041 | Selembala | 04 | Bwila Chini | 443 | 05 | 05 | 052 | 052041 | 05204104 |
| 05 | Morogoro | 2 | Morogoro | 051 | Bwakila Chini | 03 | Bonye | 809 | 06 | 05 | 052 | 052051 | 05205103 |
| 05 | Morogoro | 2 | Morogoro | 061 | Bwakila Juu | 01 | Bwakila Juu | 503 | 07 | 05 | 052 | 052061 | 05206101 |
| 05 | Morogoro | 2 | Morogoro | 071 | Kisaki | 02 | Gomero | 722 | 08 | 05 | 052 | 052071 | 05207102 |
| 05 | Morogoro | 2 | Morogoro | 081 | Mngazi | 01 | Sesenga | 270 | 09 | 05 | 052 | 052081 | 05208101 |
| 05 | Morogoro | 2 | Morogoro | 091 | Singisa | 02 | Lumba Chini | 330 | 10 | 05 | 052 | 052091 | 05209102 |
| 05 | Morogoro | 2 | Morogoro | 091 | Singisa | 06 | Singisa | 295 | 11 | 05 | 052 | 052091 | 05209106 |
| 05 | Morogoro | 2 | Morogoro | 101 | Mkambalani | 04 | Gereza la Mtego wa Sim | 823 | 12 | 05 | 052 | 052101 | 05210104 |
| 05 | Morogoro | 2 | Morogoro | 111 | Mikese | 02 | Lubungo | 313 | 13 | 05 | 052 | 052111 | 05211102 |
| 05 | Morogoro | 2 | Morogoro | 111 | Mikese | 05 | Mikese Station | 716 | 14 | 05 | 052 | 052111 | 05211105 |
| 05 | Morogoro | 2 | Morogoro | 121 | Kidugalo | 06 | Seregete 'B' | 168 | 15 | 05 | 052 | 052121 | 05212106 |
| 05 | Morogoro | 2 | Morogoro | 143 | Ngerengere | 01 | Sinyaulime | 391 | 16 | 05 | 052 | 052143 | 05214301 |
| 05 | Morogoro | 2 | Morogoro | 143 | Ngerengere | 07 | Kiwege | 193 | 17 | 05 | 052 | 052143 | 05214307 |
| 05 | Morogoro | 2 | Morogoro | 161 | Kinole | 01 | Tandai | 487 | 18 | 05 | 052 | 052161 | 05216101 |
| 05 | Morogoro | 2 | Morogoro | 171 | Kiroka | 01 | Kiroka | 758 | 19 | 05 | 052 | 052171 | 05217101 |
| 05 | Morogoro | 2 | Morogoro | 171 | Kiroka | 03 | Kikundi | 679 | 20 | 05 | 052 | 052171 | 05217103 |
| 05 | Morogoro | 2 | Morogoro | 181 | Mkuyuni | 01 | Kibuko | 546 | 21 | 05 | 052 | 052181 | 05218101 |
| 05 | Morogoro | 2 | Morogoro | 181 | Mkuyuni | 04 | Mkuyuni | 524 | 22 | 05 | 052 | 052181 | 05218104 |
| 05 | Morogoro | 2 | Morogoro | 181 | Mkuyuni | 07 | Luholole | 431 | 23 | 05 | 052 | 052181 | 05218107 |
| 05 | Morogoro | 2 | Morogoro | 201 | Kibogwa | 01 | Kifulu | 194 | 24 | 05 | 052 | 052201 | 05220101 |
| 05 | Morogoro | 2 | Morogoro | 201 | Kibogwa | 05 | Kirunga | 308 | 25 | 05 | 052 | 052201 | 05220105 |
| 05 | Morogoro | 2 | Morogoro | 223 | Kisemu | 02 | Mlono | 214 | 26 | 05 | 052 | 052223 | 05222302 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | Morogoro | 2 | Morogoro | 223 | Kisemu | 06 | Kibangile | 305 | 27 | 05 | 052 | 052223 | 05222306 |
| 05 | Morogoro | 2 | Morogoro | 231 | Lundi | 03 | Lundi | 506 | 28 | 05 | 052 | 052231 | 05223103 |
| 05 | Morogoro | 2 | Morogoro | 241 | Mtombozi | 04 | Lugeni | 195 | 29 | 05 | 052 | 052241 | 05224104 |
| 05 | Morogoro | 2 | Morogoro | 251 | Tawa | 03 | Logo | 218 | 30 | 05 | 052 | 052251 | 05225103 |
| | | | **Morogoro Count** | | | | | | **30** | | | | |
| 05 | Morogoro | 3 | Kilombero | 013 | Kidatu | 01 | Kidatu | 881 | 01 | 05 | 053 | 053013 | 05301301 |
| 05 | Morogoro | 3 | Kilombero | 013 | Kidatu | 02 | Msolwa Station | 1403 | 02 | 05 | 053 | 053013 | 05301302 |
| 05 | Morogoro | 3 | Kilombero | 021 | Sanje | 02 | Msolwa Ujamaa | 565 | 03 | 05 | 053 | 053021 | 05302102 |
| 05 | Morogoro | 3 | Kilombero | 031 | Mkula | 04 | Katurukila | 509 | 04 | 05 | 053 | 053031 | 05303104 |
| 05 | Morogoro | 3 | Kilombero | 043 | Mang'ula | 02 | Kanyenja | 444 | 05 | 05 | 053 | 053043 | 05304302 |
| 05 | Morogoro | 3 | Kilombero | 043 | Mang'ula | 05 | Mikoleko | 478 | 06 | 05 | 053 | 053043 | 05304305 |
| 05 | Morogoro | 3 | Kilombero | 051 | Kisawasawa | 02 | Kanolo | 208 | 07 | 05 | 053 | 053051 | 05305102 |
| 05 | Morogoro | 3 | Kilombero | 061 | Kiberege | 01 | Mkasu | 525 | 08 | 05 | 053 | 053061 | 05306101 |
| 05 | Morogoro | 3 | Kilombero | 061 | Kiberege | 02 | Kiberege | 1373 | 09 | 05 | 053 | 053061 | 05306102 |
| 05 | Morogoro | 3 | Kilombero | 073 | Kibaoni | 02 | Kilama | 326 | 10 | 05 | 053 | 053073 | 05307302 |
| 05 | Morogoro | 3 | Kilombero | 073 | Kibaoni | 05 | Mbasa | 1007 | 11 | 05 | 053 | 053073 | 05307305 |
| 05 | Morogoro | 3 | Kilombero | 091 | Lumelo | 01 | Lumelo | 929 | 12 | 05 | 053 | 053091 | 05309101 |
| 05 | Morogoro | 3 | Kilombero | 091 | Lumelo | 04 | Michenga | 730 | 13 | 05 | 053 | 053091 | 05309104 |
| 05 | Morogoro | 3 | Kilombero | 101 | Idete | 01 | Idete | 1146 | 14 | 05 | 053 | 053101 | 05310101 |
| 05 | Morogoro | 3 | Kilombero | 101 | Idete | 03 | Namwawala | 564 | 15 | 05 | 053 | 053101 | 05310103 |
| 05 | Morogoro | 3 | Kilombero | 111 | Mbingu | 02 | Mbingu | 712 | 16 | 05 | 053 | 053111 | 05311102 |
| 05 | Morogoro | 3 | Kilombero | 121 | Mofu | 01 | Mofu | 431 | 17 | 05 | 053 | 053121 | 05312101 |
| 05 | Morogoro | 3 | Kilombero | 131 | Mchombe | 02 | Mchombe | 752 | 18 | 05 | 053 | 053131 | 05313102 |
| 05 | Morogoro | 3 | Kilombero | 131 | Mchombe | 04 | Mngeta | 894 | 19 | 05 | 053 | 053131 | 05313104 |
| 05 | Morogoro | 3 | Kilombero | 131 | Mchombe | 06 | Ikule | 413 | 20 | 05 | 053 | 053131 | 05313106 |
| 05 | Morogoro | 3 | Kilombero | 141 | Chita | 03 | Chita | 1706 | 21 | 05 | 053 | 053141 | 05314103 |
| 05 | Morogoro | 3 | Kilombero | 141 | Chita | 04 | Chisano | 370 | 22 | 05 | 053 | 053141 | 05314104 |
| 05 | Morogoro | 3 | Kilombero | 163 | Mlimba | 01 | Katengakelu | 1435 | 23 | 05 | 053 | 053163 | 05316301 |
| 05 | Morogoro | 3 | Kilombero | 163 | Mlimba | 02 | Msolwa | 384 | 24 | 05 | 053 | 053163 | 05316302 |
| 05 | Morogoro | 3 | Kilombero | 163 | Mlimba | 04 | Viwanja Sitini | 1013 | 25 | 05 | 053 | 053163 | 05316304 |
| 05 | Morogoro | 3 | Kilombero | 171 | Utengule | 01 | Mpanga | 485 | 26 | 05 | 053 | 053171 | 05317101 |
| 05 | Morogoro | 3 | Kilombero | 181 | Masagati | 03 | Taweta | 395 | 27 | 05 | 053 | 053181 | 05318103 |
| | | | **Kilombero Count** | | | | | | **27** | | | | |
| 05 | Morogoro | 4 | Ulanga | 011 | Minepa | 02 | Minepa | 278 | 01 | 05 | 054 | 054011 | 05401102 |
| 05 | Morogoro | 4 | Ulanga | 023 | Lupiro | 02 | Igumbiro | 245 | 02 | 05 | 054 | 054023 | 05402302 |
| 05 | Morogoro | 4 | Ulanga | 031 | Kichangani | 01 | Kichangani | 576 | 03 | 05 | 054 | 054031 | 05403101 |
| 05 | Morogoro | 4 | Ulanga | 041 | Msogezi | 01 | Msogezi | 524 | 04 | 05 | 054 | 054041 | 05404101 |
| 05 | Morogoro | 4 | Ulanga | 053 | Vigoi | 02 | Mbagula | 251 | 05 | 05 | 054 | 054053 | 05405302 |
| 05 | Morogoro | 4 | Ulanga | 053 | Vigoi | 05 | Nawenge | 631 | 06 | 05 | 054 | 054053 | 05405305 |
| 05 | Morogoro | 4 | Ulanga | 071 | Isongo | 02 | Isongo | 667 | 07 | 05 | 054 | 054071 | 05407102 |
| 05 | Morogoro | 4 | Ulanga | 081 | Ruaha | 02 | Ruaha | 924 | 08 | 05 | 054 | 054081 | 05408102 |
| 05 | Morogoro | 4 | Ulanga | 081 | Ruaha | 03 | Mgolo | 278 | 09 | 05 | 054 | 054081 | 05408103 |
| 05 | Morogoro | 4 | Ulanga | 091 | Chirombola | 02 | Mzelezi | 418 | 10 | 05 | 054 | 054091 | 05409102 |
| 05 | Morogoro | 4 | Ulanga | 111 | Euga | 01 | Euga | 222 | 11 | 05 | 054 | 054111 | 05411101 |
| 05 | Morogoro | 4 | Ulanga | 123 | Mwaya | 02 | Mwaya | 406 | 12 | 05 | 054 | 054123 | 05412302 |
| 05 | Morogoro | 4 | Ulanga | 141 | Mbuga | 01 | Mbuga | 550 | 13 | 05 | 054 | 054141 | 05414101 |
| 05 | Morogoro | 4 | Ulanga | 151 | Ilonga | 01 | Chigandugandu | 711 | 14 | 05 | 054 | 054151 | 05415101 |
| 05 | Morogoro | 4 | Ulanga | 151 | Ilonga | 02 | Luhombero | 702 | 15 | 05 | 054 | 054151 | 05415102 |
| 05 | Morogoro | 4 | Ulanga | 161 | Kilosa Mpepo | 01 | Ihowanja | 256 | 16 | 05 | 054 | 054161 | 05416101 |
| 05 | Morogoro | 4 | Ulanga | 171 | Ngoheranga | 02 | Ngoheranga | 423 | 17 | 05 | 054 | 054171 | 05417102 |
| 05 | Morogoro | 4 | Ulanga | 193 | Malinyi | 01 | Igawa | 620 | 18 | 05 | 054 | 054193 | 05419301 |
| 05 | Morogoro | 4 | Ulanga | 193 | Malinyi | 02 | Misegese | 662 | 19 | 05 | 054 | 054193 | 05419302 |
| 05 | Morogoro | 4 | Ulanga | 193 | Malinyi | 04 | Kipingo | 985 | 20 | 05 | 054 | 054193 | 05419304 |
| 05 | Morogoro | 4 | Ulanga | 201 | Sofi | 02 | Majiji | 589 | 21 | 05 | 054 | 054201 | 05420102 |
| 05 | Morogoro | 4 | Ulanga | 211 | Usangule | 01 | Usangule | 772 | 22 | 05 | 054 | 054211 | 05421101 |
| 05 | Morogoro | 4 | Ulanga | 211 | Usangule | 02 | Kalangakelo | 859 | 23 | 05 | 054 | 054211 | 05421102 |
| 05 | Morogoro | 4 | Ulanga | 223 | Mtimbira | 01 | Madibira | 525 | 24 | 05 | 054 | 054223 | 05422301 |
| 05 | Morogoro | 4 | Ulanga | 231 | Itete | 01 | Minazini | 692 | 25 | 05 | 054 | 054231 | 05423101 |
| 05 | Morogoro | 4 | Ulanga | 231 | Itete | 02 | Njiwa | 873 | 26 | 05 | 054 | 054231 | 05423102 |
| 05 | Morogoro | 4 | Ulanga | 241 | Iragua | 02 | Iragua | 613 | 27 | 05 | 054 | 054241 | 05424102 |
| | | | **Ulanga Count** | | | | | | **27** | | | | |
| 05 | Morogoro | 5 | Morogoro Urban | 093 | Mazimbu | 01 | Madanganya | 106 | 01 | 05 | 055 | 055093 | 05509301 |
| 05 | Morogoro | 5 | Morogoro Urban | 093 | Mazimbu | 02 | Mindu | 215 | 02 | 05 | 055 | 055093 | 05509302 |
| 05 | Morogoro | 5 | Morogoro Urban | 093 | Mazimbu | 03 | Kasanga | 195 | 03 | 05 | 055 | 055093 | 05509303 |
| 05 | Morogoro | 5 | Morogoro Urban | 093 | Mazimbu | 04 | Lugala | 099 | 04 | 05 | 055 | 055093 | 05509304 |
| 05 | Morogoro | 5 | Morogoro Urban | 143 | Mlimani | 01 | Mng'ongo,Visegese,Kileg | 300 | 05 | 05 | 055 | 055143 | 05514301 |
| 05 | Morogoro | 5 | Morogoro Urban | 143 | Mlimani | 02 | Turo - Ruvuma,Kisosa | 144 | 06 | 05 | 055 | 055143 | 05514302 |
| 05 | Morogoro | 5 | Morogoro Urban | 163 | Kingolwira | 01 | Kung'wa | 057 | 07 | 05 | 055 | 055163 | 05516301 |
| 05 | Morogoro | 5 | Morogoro Urban | 163 | Kingolwira | 02 | Ng'ong'olo | 085 | 08 | 05 | 055 | 055163 | 05516302 |
| 05 | Morogoro | 5 | Morogoro Urban | 173 | Bigwa | 01 | Mungi | 100 | 09 | 05 | 055 | 055173 | 05517301 |
| 05 | Morogoro | 5 | Morogoro Urban | 173 | Bigwa | 02 | Korogoso | 032 | 10 | 05 | 055 | 055173 | 05517302 |
| 05 | Morogoro | 5 | Morogoro Urban | 173 | Bigwa | 03 | Vituli | 118 | 11 | 05 | 055 | 055173 | 05517303 |
| 05 | Morogoro | 5 | Morogoro Urban | 173 | Bigwa | 04 | Bohomera | 090 | 12 | 05 | 055 | 055173 | 05517304 |
| 05 | Morogoro | 5 | Morogoro Urban | 181 | Mzinga | 01 | Mambani | 118 | 13 | 05 | 055 | 055181 | 05518101 |
| 05 | Morogoro | 5 | Morogoro Urban | 181 | Mzinga | 02 | Kilala | 070 | 14 | 05 | 055 | 055181 | 05518102 |
| 05 | Morogoro | 5 | Morogoro Urban | 181 | Mzinga | 03 | Mundu - Luhungo | 085 | 15 | 05 | 055 | 055181 | 05518103 |
| 05 | Morogoro | 5 | Morogoro Urban | 181 | Mzinga | 04 | Kivaza | 111 | 16 | 05 | 055 | 055181 | 05518104 |
| 05 | Morogoro | 5 | Morogoro Urban | 181 | Mzinga | 05 | Tindigo & Mfine | 189 | 17 | 05 | 055 | 055181 | 05518105 |
| 05 | Morogoro | 5 | Morogoro Urban | 181 | Mzinga | 06 | Konga | 254 | 18 | 05 | 055 | 055181 | 05518106 |
| 05 | Morogoro | 5 | Morogoro Urban | 181 | Mzinga | 07 | Kasanga | 246 | 19 | 05 | 055 | 055181 | 05518107 |
| 05 | Morogoro | 5 | Morogoro Urban | 193 | Kihonda | 01 | Kiegea 'B' | 136 | 20 | 05 | 055 | 055193 | 05519301 |
| 05 | Morogoro | 5 | Morogoro Urban | 193 | Kihonda | 02 | Ngerengere | 089 | 21 | 05 | 055 | 055193 | 05519302 |
| 05 | Morogoro | 5 | Morogoro Urban | 193 | Kihonda | 03 | Kipera,Kiegea,CCT fores | 081 | 22 | 05 | 055 | 055193 | 05519303 |
| 05 | Morogoro | 5 | Morogoro Urban | 193 | Kihonda | 04 | Kiegea 'A' | 054 | 23 | 05 | 055 | 055193 | 05519304 |
| 05 | Morogoro | 5 | Morogoro Urban | 193 | Kihonda | 05 | Lukobe Chini | 166 | 24 | 05 | 055 | 055193 | 05519305 |
| 05 | Morogoro | 5 | Morogoro Urban | 193 | Kihonda | 06 | Lukobe Juu | 081 | 25 | 05 | 055 | 055193 | 05519306 |
| | | | **Morogoro Urban Count** | | | | | | **25** | | | | |
| 05 | Morogoro | 6 | Mvomero | 013 | Mvomero | 03 | Dibamba | 284 | 01 | 05 | 056 | 056013 | 05601303 |
| 05 | Morogoro | 6 | Mvomero | 013 | Mvomero | 07 | Makuyu | 634 | 02 | 05 | 056 | 056013 | 05601307 |
| 05 | Morogoro | 6 | Mvomero | 021 | Hembeti | 01 | Hembeti | 756 | 03 | 05 | 056 | 056021 | 05602101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 05 | Morogoro | 6 | Mvomero | 021 | Hembeti | 03 | Dihombo | 446 | 04 | 05 | 056 | 056021 | 05602103 |
| 05 | Morogoro | 6 | Mvomero | 031 | Maskati | 02 | Dibago | 306 | 05 | 05 | 056 | 056031 | 05603102 |
| 05 | Morogoro | 6 | Mvomero | 041 | Kibati | 01 | Diburuma | 292 | 06 | 05 | 056 | 056041 | 05604101 |
| 05 | Morogoro | 6 | Mvomero | 041 | Kibati | 05 | Pemba | 860 | 07 | 05 | 056 | 056041 | 05604105 |
| 05 | Morogoro | 6 | Mvomero | 041 | Kibati | 07 | Salawe | 867 | 08 | 05 | 056 | 056041 | 05604107 |
| 05 | Morogoro | 6 | Mvomero | 051 | Sungaji | 03 | Mbogo | 519 | 09 | 05 | 056 | 056051 | 05605103 |
| 05 | Morogoro | 6 | Mvomero | 063 | Mhonda | 01 | Kweli Kwiji | 501 | 10 | 05 | 056 | 056063 | 05606301 |
| 05 | Morogoro | 6 | Mvomero | 071 | Diongoya | 01 | Lusanga | 1064 | 11 | 05 | 056 | 056071 | 05607101 |
| 05 | Morogoro | 6 | Mvomero | 071 | Diongoya | 03 | Digoma | 444 | 12 | 05 | 056 | 056071 | 05607103 |
| 05 | Morogoro | 6 | Mvomero | 083 | Mtibwa | 03 | Kidudwe | 1178 | 13 | 05 | 056 | 056083 | 05608303 |
| 05 | Morogoro | 6 | Mvomero | 083 | Mtibwa | 06 | Mlumbilo | 644 | 14 | 05 | 056 | 056083 | 05608306 |
| 05 | Morogoro | 6 | Mvomero | 091 | Kanga | 03 | Difinga | 221 | 15 | 05 | 056 | 056091 | 05609103 |
| 05 | Morogoro | 6 | Mvomero | 101 | Bunduki | 01 | Tandari | 326 | 16 | 05 | 056 | 056101 | 05610101 |
| 05 | Morogoro | 6 | Mvomero | 111 | Kikeo | 01 | Kikeo | 402 | 17 | 05 | 056 | 056111 | 05611101 |
| 05 | Morogoro | 6 | Mvomero | 111 | Kikeo | 04 | Masalawe | 309 | 18 | 05 | 056 | 056111 | 05611104 |
| 05 | Morogoro | 6 | Mvomero | 123 | Langali | 02 | Lusungu | 238 | 19 | 05 | 056 | 056123 | 05612302 |
| 05 | Morogoro | 6 | Mvomero | 131 | Tchenzema | 03 | Nyandira | 573 | 20 | 05 | 056 | 056131 | 05613103 |
| 05 | Morogoro | 6 | Mvomero | 141 | Mzumbe | 01 | Sangasanga | 271 | 21 | 05 | 056 | 056141 | 05614101 |
| 05 | Morogoro | 6 | Mvomero | 141 | Mzumbe | 05 | Tangeni | 958 | 22 | 05 | 056 | 056141 | 05614105 |
| 05 | Morogoro | 6 | Mvomero | 151 | Mlali | 02 | Mlali | 701 | 23 | 05 | 056 | 056151 | 05615102 |
| 05 | Morogoro | 6 | Mvomero | 151 | Mlali | 05 | Homboza | 748 | 24 | 05 | 056 | 056151 | 05615105 |
| 05 | Morogoro | 6 | Mvomero | 161 | Doma | 02 | Doma | 658 | 25 | 05 | 056 | 056161 | 05616102 |
| 05 | Morogoro | 6 | Mvomero | 161 | Doma | 05 | Kihondo | 243 | 26 | 05 | 056 | 056161 | 05616105 |
| 05 | Morogoro | 6 | Mvomero | 171 | Melela | 02 | Melela | 1078 | 27 | 05 | 056 | 056171 | 05617102 |
| | | | **Mvomero Count** | | | | | | **27** | | | | |
| | **Morogoro Count** | | | | | | | | **176** | | | | |
| 06 | Pwani | 1 | Bagamoyo | 011 | Kiwangwa | 02 | Kiwangwa | 1023 | 01 | 06 | 061 | 061011 | 06101102 |
| 06 | Pwani | 1 | Bagamoyo | 011 | Kiwangwa | 03 | Fukakosi | 482 | 02 | 06 | 061 | 061011 | 06101103 |
| 06 | Pwani | 1 | Bagamoyo | 021 | Msata | 02 | Msata | 652 | 03 | 06 | 061 | 061021 | 06102102 |
| 06 | Pwani | 1 | Bagamoyo | 031 | Miono | 02 | Kikaro | 910 | 04 | 06 | 061 | 061031 | 06103102 |
| 06 | Pwani | 1 | Bagamoyo | 031 | Miono | 05 | Hondogo | 255 | 05 | 06 | 061 | 061031 | 06103105 |
| 06 | Pwani | 1 | Bagamoyo | 031 | Miono | 07 | Rupungwi | 683 | 06 | 06 | 061 | 061031 | 06103107 |
| 06 | Pwani | 1 | Bagamoyo | 041 | Mkange | 02 | Matipwili | 532 | 07 | 06 | 061 | 061041 | 06104102 |
| 06 | Pwani | 1 | Bagamoyo | 041 | Mkange | 04 | Mkange | 700 | 08 | 06 | 061 | 061041 | 06104104 |
| 06 | Pwani | 1 | Bagamoyo | 071 | Kiromo | 01 | Kiromo | 2279 | 9, 10 | 06 | 061 | 061071 | 06107101 |
| 06 | Pwani | 1 | Bagamoyo | 081 | Zinga | 01 | Kondo | 329 | 11 | 06 | 061 | 061081 | 06108101 |
| 06 | Pwani | 1 | Bagamoyo | 081 | Zinga | 04 | Zinga | 596 | 12 | 06 | 061 | 061081 | 06108104 |
| 06 | Pwani | 1 | Bagamoyo | 081 | Zinga | 07 | Kerenge/ Matumbi | 249 | 13 | 06 | 061 | 061081 | 06108107 |
| 06 | Pwani | 1 | Bagamoyo | 091 | Yombo | 04 | Chasimba | 332 | 14 | 06 | 061 | 061091 | 06109104 |
| 06 | Pwani | 1 | Bagamoyo | 101 | Vigwaza | 03 | Visezi | 501 | 15 | 06 | 061 | 061101 | 06110103 |
| 06 | Pwani | 1 | Bagamoyo | 101 | Vigwaza | 04 | Vigwaza | 956 | 16 | 06 | 061 | 061101 | 06110104 |
| 06 | Pwani | 1 | Bagamoyo | 111 | Talawanda | 02 | Malivundo | 189 | 17 | 06 | 061 | 061111 | 06111102 |
| 06 | Pwani | 1 | Bagamoyo | 123 | Chalinze | 01 | Mbwilingu | 711 | 18 | 06 | 061 | 061123 | 06112301 |
| 06 | Pwani | 1 | Bagamoyo | 123 | Chalinze | 05 | Msolwa | 475 | 19 | 06 | 061 | 061123 | 06112305 |
| 06 | Pwani | 1 | Bagamoyo | 123 | Chalinze | 07 | Pera | 444 | 20 | 06 | 061 | 061123 | 06112307 |
| 06 | Pwani | 1 | Bagamoyo | 133 | Lugoba | 03 | Mboga | 674 | 21 | 06 | 061 | 061133 | 06113303 |
| 06 | Pwani | 1 | Bagamoyo | 133 | Lugoba | 07 | Mindutulieni | 275 | 22 | 06 | 061 | 061133 | 06113307 |
| 06 | Pwani | 1 | Bagamoyo | 141 | Ubenazomozi | 02 | Kaloleni | 644 | 23 | 06 | 061 | 061141 | 06114102 |
| 06 | Pwani | 1 | Bagamoyo | 141 | Ubenazomozi | 05 | Visakazi | 607 | 24 | 06 | 061 | 061141 | 06114105 |
| 06 | Pwani | 1 | Bagamoyo | 151 | Mbwewe | 02 | Mbwewe | 940 | 25 | 06 | 061 | 061151 | 06115102 |
| 06 | Pwani | 1 | Bagamoyo | 151 | Mbwewe | 04 | Pongwe Kiona | 517 | 26 | 06 | 061 | 061151 | 06115104 |
| 06 | Pwani | 1 | Bagamoyo | 151 | Mbwewe | 06 | Kwaruhombo | 367 | 27 | 06 | 061 | 061151 | 06115106 |
| | | | **Bagamoyo Count** | | | | | | **26** | | | | |
| 06 | Pwani | 2 | Kibaha | 013 | Tumbi | 01 | Mwanalugali | 346 | 01 | 06 | 062 | 062013 | 06201301 |
| 06 | Pwani | 2 | Kibaha | 013 | Tumbi | 04 | Sofu | 116 | 02 | 06 | 062 | 062013 | 06201304 |
| 06 | Pwani | 2 | Kibaha | 013 | Tumbi | 06 | Mkuza | 546 | 03 | 06 | 062 | 062013 | 06201306 |
| 06 | Pwani | 2 | Kibaha | 013 | Tumbi | 09 | Kidimu | 353 | 04 | 06 | 062 | 062013 | 06201309 |
| 06 | Pwani | 2 | Kibaha | 023 | Kibaha | 01 | Mikongeni | 140 | 05 | 06 | 062 | 062023 | 06202301 |
| 06 | Pwani | 2 | Kibaha | 023 | Kibaha | 04 | Kongowe | 711 | 06 | 06 | 062 | 062023 | 06202304 |
| 06 | Pwani | 2 | Kibaha | 023 | Kibaha | 05 | Miembe 7 | 331 | 07 | 06 | 062 | 062023 | 06202305 |
| 06 | Pwani | 2 | Kibaha | 023 | Kibaha | 07 | Mwenda Pole | 136 | 08 | 06 | 062 | 062023 | 06202307 |
| 06 | Pwani | 2 | Kibaha | 023 | Kibaha | 09 | Kidenge | 250 | 09 | 06 | 062 | 062023 | 06202309 |
| 06 | Pwani | 2 | Kibaha | 031 | Magindu | 01 | Gwata | 365 | 10 | 06 | 062 | 062031 | 06203101 |
| 06 | Pwani | 2 | Kibaha | 031 | Magindu | 02 | Gumba | 480 | 11 | 06 | 062 | 062031 | 06203102 |
| 06 | Pwani | 2 | Kibaha | 031 | Magindu | 03 | Magindu | 538 | 12 | 06 | 062 | 062031 | 06203103 |
| 06 | Pwani | 2 | Kibaha | 041 | Soga | 01 | Vikuge | 263 | 13 | 06 | 062 | 062041 | 06204101 |
| 06 | Pwani | 2 | Kibaha | 041 | Soga | 03 | Mpiji | 180 | 14 | 06 | 062 | 062041 | 06204103 |
| 06 | Pwani | 2 | Kibaha | 041 | Soga | 04 | Soga | 519 | 15 | 06 | 062 | 062041 | 06204104 |
| 06 | Pwani | 2 | Kibaha | 051 | Visaga | 01 | Miswe | 323 | 16 | 06 | 062 | 062051 | 06205101 |
| 06 | Pwani | 2 | Kibaha | 051 | Visaga | 03 | Visiga | 227 | 17 | 06 | 062 | 062051 | 06205103 |
| 06 | Pwani | 2 | Kibaha | 051 | Visaga | 05 | Zegereni | 130 | 18 | 06 | 062 | 062051 | 06205105 |
| 06 | Pwani | 2 | Kibaha | 051 | Visaga | 08 | Saeni | 208 | 19 | 06 | 062 | 062051 | 06205108 |
| 06 | Pwani | 2 | Kibaha | 061 | Ruvu | 01 | Kitomondo | 123 | 20 | 06 | 062 | 062061 | 06206101 |
| 06 | Pwani | 2 | Kibaha | 061 | Ruvu | 03 | Ruvu/Station | 214 | 21 | 06 | 062 | 062061 | 06206103 |
| 06 | Pwani | 2 | Kibaha | 061 | Ruvu | 05 | Lipunga | 167 | 22 | 06 | 062 | 062061 | 06206105 |
| 06 | Pwani | 2 | Kibaha | 061 | Ruvu | 07 | Ngeta | 360 | 23 | 06 | 062 | 062061 | 06206107 |
| 06 | Pwani | 2 | Kibaha | 073 | Mlandizi | 01 | Vikuruti | 490 | 24 | 06 | 062 | 062073 | 06207301 |
| 06 | Pwani | 2 | Kibaha | 073 | Mlandizi | 02 | Msongola | 720 | 25 | 06 | 062 | 062073 | 06207302 |
| 06 | Pwani | 2 | Kibaha | 073 | Mlandizi | 03 | Madimla | 292 | 26 | 06 | 062 | 062073 | 06207303 |
| 06 | Pwani | 2 | Kibaha | 081 | Kwala | 03 | Mwembe Ngonzi | 083 | 27 | 06 | 062 | 062081 | 06208103 |
| | | | **Kibaha Count** | | | | | | **27** | | | | |
| 06 | Pwani | 3 | Kisarawe | 013 | Kisarawe | 02 | kazimzumbwi | 415 | 01 | 06 | 063 | 063013 | 06301302 |
| 06 | Pwani | 3 | Kisarawe | 013 | Kisarawe | 04 | Visegese | 325 | 02 | 06 | 063 | 063013 | 06301304 |
| 06 | Pwani | 3 | Kisarawe | 021 | Msimbu | 02 | Kitanga | 356 | 03 | 06 | 063 | 063021 | 06302102 |
| 06 | Pwani | 3 | Kisarawe | 021 | Msimbu | 04 | Homboza | 475 | 04 | 06 | 063 | 063021 | 06302104 |
| 06 | Pwani | 3 | Kisarawe | 021 | Msimbu | 05 | Msimbu | 869 | 05 | 06 | 063 | 063021 | 06302105 |
| 06 | Pwani | 3 | Kisarawe | 021 | Msimbu | 06 | Gumba | 367 | 06 | 06 | 063 | 063021 | 06302106 |
| 06 | Pwani | 3 | Kisarawe | 031 | Masaki | 01 | Masaki | 684 | 07 | 06 | 063 | 063031 | 06303101 |
| 06 | Pwani | 3 | Kisarawe | 031 | Masaki | 03 | Kisanga | 429 | 08 | 06 | 063 | 063031 | 06303103 |
| 06 | Pwani | 3 | Kisarawe | 041 | Kibuta | 02 | Mtamba | 187 | 09 | 06 | 063 | 063041 | 06304102 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | Pwani | 3 | Kisarawe | 041 | Kibuta | 05 | Kibuta | 255 | 10 | 06 | 063 | 063041 | 06304105 |
| 06 | Pwani | 3 | Kisarawe | 041 | Kibuta | 07 | Chang'ombe 'B' | 171 | 11 | 06 | 063 | 063041 | 06304107 |
| 06 | Pwani | 3 | Kisarawe | 051 | Marumbo | 03 | Marumbo | 242 | 12 | 06 | 063 | 063051 | 06305103 |
| 06 | Pwani | 3 | Kisarawe | 051 | Marumbo | 06 | Kikwete | 247 | 13 | 06 | 063 | 063051 | 06305106 |
| 06 | Pwani | 3 | Kisarawe | 063 | Maneromango | 03 | Msegamo,Mkuyuni | 187 | 14 | 06 | 063 | 063063 | 06306303 |
| 06 | Pwani | 3 | Kisarawe | 063 | Maneromango | 07 | Boga 'D' | 383 | 15 | 06 | 063 | 063063 | 06306307 |
| 06 | Pwani | 3 | Kisarawe | 073 | Msanga | 02 | Visiga | 230 | 16 | 06 | 063 | 063073 | 06307302 |
| 06 | Pwani | 3 | Kisarawe | 081 | Marui | 01 | Marui Mipera | 229 | 17 | 06 | 063 | 063081 | 06308101 |
| 06 | Pwani | 3 | Kisarawe | 091 | Cholesamvula | 02 | Kwala | 380 | 18 | 06 | 063 | 063091 | 06309102 |
| 06 | Pwani | 3 | Kisarawe | 091 | Cholesamvula | 04 | Yombo Lukinga | 197 | 19 | 06 | 063 | 063091 | 06309104 |
| 06 | Pwani | 3 | Kisarawe | 091 | Cholesamvula | 06 | Mafumbi | 114 | 20 | 06 | 063 | 063091 | 06309106 |
| 06 | Pwani | 3 | Kisarawe | 101 | Vikumbulu | 05 | Vikumbulu | 262 | 21 | 06 | 063 | 063101 | 06310105 |
| 06 | Pwani | 3 | Kisarawe | 111 | Mafinzi | 03 | Gwata | 498 | 22 | 06 | 063 | 063111 | 06311103 |
| 06 | Pwani | 3 | Kisarawe | 121 | Kuruhi | 02 | Mtakayo | 192 | 23 | 06 | 063 | 063121 | 06312102 |
| 06 | Pwani | 3 | Kisarawe | 131 | Mzenga | 01 | Mzenga 'A' | 253 | 24 | 06 | 063 | 063131 | 06313101 |
| 06 | Pwani | 3 | Kisarawe | 131 | Mzenga | 04 | Mitengwe | 531 | 25 | 06 | 063 | 063131 | 06313104 |
| 06 | Pwani | 3 | Kisarawe | 141 | Vihingo | 03 | Kibwemwenda | 207 | 26 | 06 | 063 | 063141 | 06314103 |
| 06 | Pwani | 3 | Kisarawe | 153 | Kiluvya | 01 | Tondoroni | 485 | 27 | 06 | 063 | 063153 | 06315301 |
| | | | **Kisarawe Count** | | | | | | **27** | | | | |
| 06 | Pwani | 4 | Mkuranga | 013 | Mkuranga | 01 | Hoyoyo | 461 | 01 | 06 | 064 | 064013 | 06401301 |
| 06 | Pwani | 4 | Mkuranga | 013 | Mkuranga | 06 | Mkuranga | 435 | 02 | 06 | 064 | 064013 | 06401306 |
| 06 | Pwani | 4 | Mkuranga | 013 | Mkuranga | 08 | Kiparang'anda 'B' | 454 | 03 | 06 | 064 | 064013 | 06401308 |
| 06 | Pwani | 4 | Mkuranga | 013 | Mkuranga | 01 | Magoza | 359 | 04 | 06 | 064 | 064013 | 06401301 |
| 06 | Pwani | 4 | Mkuranga | 021 | Tambani | 02 | Tambani | 294 | 05 | 06 | 064 | 064021 | 06402102 |
| 06 | Pwani | 4 | Mkuranga | 021 | Tambani | 04 | Mlamleni | 696 | 06 | 06 | 064 | 064021 | 06402104 |
| 06 | Pwani | 4 | Mkuranga | 021 | Tambani | 07 | Dondwe | 483 | 07 | 06 | 064 | 064021 | 06402107 |
| 06 | Pwani | 4 | Mkuranga | 033 | Vikindu | 03 | Vikindu | 745 | 08 | 06 | 064 | 064033 | 06403303 |
| 06 | Pwani | 4 | Mkuranga | 033 | Vikindu | 05 | Marogoro | 251 | 09 | 06 | 064 | 064033 | 06403305 |
| 06 | Pwani | 4 | Mkuranga | 033 | Vikindu | 08 | Vianzi | 610 | 10 | 06 | 064 | 064033 | 06403308 |
| 06 | Pwani | 4 | Mkuranga | 041 | Mbezi | 04 | Msufini | 605 | 11 | 06 | 064 | 064041 | 06404104 |
| 06 | Pwani | 4 | Mkuranga | 041 | Mbezi | 07 | Msorwa | 190 | 12 | 06 | 064 | 064041 | 06404107 |
| 06 | Pwani | 4 | Mkuranga | 051 | Shungubweni | 03 | Kuruti | 106 | 13 | 06 | 064 | 064051 | 06405103 |
| 06 | Pwani | 4 | Mkuranga | 061 | Kisiju | 06 | Kalole | 408 | 14 | 06 | 064 | 064061 | 06406106 |
| 06 | Pwani | 4 | Mkuranga | 061 | Kisiju | 08 | kwale Island | 120 | 15 | 06 | 064 | 064061 | 06406108 |
| 06 | Pwani | 4 | Mkuranga | 071 | Magawa | 06 | Mdimni | 235 | 16 | 06 | 064 | 064071 | 06407106 |
| 06 | Pwani | 4 | Mkuranga | 081 | Kitomondo | 01 | Kitomondo | 418 | 17 | 06 | 064 | 064081 | 06408101 |
| 06 | Pwani | 4 | Mkuranga | 081 | Kitomondo | 04 | Miteza | 359 | 18 | 06 | 064 | 064081 | 06408104 |
| 06 | Pwani | 4 | Mkuranga | 081 | Kitomondo | 07 | Mitaranda | 245 | 19 | 06 | 064 | 064081 | 06408107 |
| 06 | Pwani | 4 | Mkuranga | 091 | Lukanga | 04 | Misasa | 385 | 20 | 06 | 064 | 064091 | 06409104 |
| 06 | Pwani | 4 | Mkuranga | 091 | Lukanga | 05 | Njopeka | 996 | 21 | 06 | 064 | 064091 | 06409105 |
| 06 | Pwani | 4 | Mkuranga | 101 | Nyamato | 03 | Mkiu | 583 | 22 | 06 | 064 | 064101 | 06410103 |
| 06 | Pwani | 4 | Mkuranga | 101 | Nyamato | 06 | Mvuleni | 392 | 23 | 06 | 064 | 064101 | 06410106 |
| 06 | Pwani | 4 | Mkuranga | 113 | Kimanzichana | 02 | Kiimbwanindi | 695 | 24 | 06 | 064 | 064113 | 06411302 |
| 06 | Pwani | 4 | Mkuranga | 123 | Mkamba | 01 | Kizomla | 269 | 25 | 06 | 064 | 064123 | 06412301 |
| 06 | Pwani | 4 | Mkuranga | 123 | Mkamba | 04 | Lupondo | 545 | 26 | 06 | 064 | 064123 | 06412304 |
| 06 | Pwani | 4 | Mkuranga | 123 | Mkamba | 08 | Chamgohi | 106 | 27 | 06 | 064 | 064123 | 06412308 |
| 06 | Pwani | 4 | Mkuranga | 131 | Panzuo | 06 | Mbezi | 105 | 28 | 06 | 064 | 064131 | 06413106 |
| 06 | Pwani | 4 | Mkuranga | 141 | Bupu | 04 | Bupu | 263 | 29 | 06 | 064 | 064141 | 06414104 |
| 06 | Pwani | 4 | Mkuranga | 153 | Mwalusembe | 03 | Bigwa | 538 | 30 | 06 | 064 | 064153 | 06415303 |
| | | | **Mkuranga Count** | | | | | | **30** | | | | |
| 06 | Pwani | 5 | Rufiji | 043 | Utete | 03 | Utunge/Nyandumbi | 419 | 01 | 06 | 065 | 065043 | 06504303 |
| 06 | Pwani | 5 | Rufiji | 051 | Mkongo | 02 | Mkongo Kaskazini | 403 | 02 | 06 | 065 | 065051 | 06505102 |
| 06 | Pwani | 5 | Rufiji | 061 | Ngorongo | 01 | Kilimani Mashariki | 345 | 03 | 06 | 065 | 065061 | 06506101 |
| 06 | Pwani | 5 | Rufiji | 061 | Ngorongo | 04 | Ngorongo Magharibi | 316 | 04 | 06 | 065 | 065061 | 06506104 |
| 06 | Pwani | 5 | Rufiji | 061 | Ngorongo | 07 | Kipugila | 270 | 05 | 06 | 065 | 065061 | 06506107 |
| 06 | Pwani | 5 | Rufiji | 071 | Mwaseni | 02 | Mwaseni/Mshambani | 373 | 06 | 06 | 065 | 065071 | 06507102 |
| 06 | Pwani | 5 | Rufiji | 083 | Kibiti | 02 | Kimbuga | 413 | 07 | 06 | 065 | 065083 | 06508302 |
| 06 | Pwani | 5 | Rufiji | 083 | Kibiti | 05 | Mtawanya | 657 | 08 | 06 | 065 | 065083 | 06508305 |
| 06 | Pwani | 5 | Rufiji | 083 | Kibiti | 07 | Bumba/Msoro | 177 | 09 | 06 | 065 | 065083 | 06508307 |
| 06 | Pwani | 5 | Rufiji | 093 | Bungu | 01 | Jaribu Mpakani | 1414 | 10 | 06 | 065 | 065093 | 06509301 |
| 06 | Pwani | 5 | Rufiji | 093 | Bungu | 02 | Mjawa | 296 | 11 | 06 | 065 | 065093 | 06509302 |
| 06 | Pwani | 5 | Rufiji | 093 | Bungu | 03 | Uponda | 653 | 12 | 06 | 065 | 065093 | 06509303 |
| 06 | Pwani | 5 | Rufiji | 093 | Bungu | 05 | Bungu 'A' | 638 | 13 | 06 | 065 | 065093 | 06509305 |
| 06 | Pwani | 5 | Rufiji | 101 | Mahege | 01 | Kivinja 'A' | 467 | 14 | 06 | 065 | 065101 | 06510101 |
| 06 | Pwani | 5 | Rufiji | 101 | Mahege | 05 | Nyakinyo | 130 | 15 | 06 | 065 | 065101 | 06510105 |
| 06 | Pwani | 5 | Rufiji | 111 | Mchukwi | 01 | Mchukwi 'A' Nyamwimbe | 473 | 16 | 06 | 065 | 065111 | 06511101 |
| 06 | Pwani | 5 | Rufiji | 111 | Mchukwi | 03 | Machipi | 195 | 17 | 06 | 065 | 065111 | 06511103 |
| 06 | Pwani | 5 | Rufiji | 123 | Chumbi | 01 | Chumbi 'C'/Kanga | 138 | 18 | 06 | 065 | 065123 | 06512301 |
| 06 | Pwani | 5 | Rufiji | 123 | Chumbi | 04 | Mohoro/Nyakikae | 673 | 19 | 06 | 065 | 065123 | 06512304 |
| 06 | Pwani | 5 | Rufiji | 131 | Mbwara | 02 | Mbwara magharibi | 545 | 20 | 06 | 065 | 065131 | 06513102 |
| 06 | Pwani | 5 | Rufiji | 141 | Mtunda | 02 | Mtunda 'B' | 344 | 21 | 06 | 065 | 065141 | 06514102 |
| 06 | Pwani | 5 | Rufiji | 151 | Ruaruke | 02 | Rungungu | 347 | 22 | 06 | 065 | 065151 | 06515102 |
| 06 | Pwani | 5 | Rufiji | 151 | Ruaruke | 05 | Ruaruke 'A' Mbwawa | 490 | 23 | 06 | 065 | 065151 | 06515105 |
| 06 | Pwani | 5 | Rufiji | 161 | Salale | 02 | Mchinga Mfisini | 818 | 24 | 06 | 065 | 065161 | 06516102 |
| 06 | Pwani | 5 | Rufiji | 171 | Mbuchi | 02 | Mbwera Magh | 531 | 25 | 06 | 065 | 065171 | 06517102 |
| 06 | Pwani | 5 | Rufiji | 181 | Kiongoroni | 02 | Jaja/Kitongani | 263 | 26 | 06 | 065 | 065181 | 06518102 |
| 06 | Pwani | 5 | Rufiji | 191 | Maparoni | 03 | Kiasi/Nunu,Uwandani | 416 | 27 | 06 | 065 | 065191 | 06519103 |
| | | | **Rufiji Count** | | | | | | **27** | | | | |
| 06 | Pwani | 6 | Mafia | 011 | Kanga | 01 | Bweni | 295 | 01 | 06 | 066 | 066011 | 06601101 |
| 06 | Pwani | 6 | Mafia | 011 | Kanga | 02 | Kanga | 519 | 02 | 06 | 066 | 066011 | 06601102 |
| 06 | Pwani | 6 | Mafia | 021 | Kirongwe | 01 | Jojo | 157 | 03 | 06 | 066 | 066021 | 06602101 |
| 06 | Pwani | 6 | Mafia | 021 | Kirongwe | 02 | Banja | 167 | 04 | 06 | 066 | 066021 | 06602102 |
| 06 | Pwani | 6 | Mafia | 021 | Kirongwe | 03 | Jimbo | 378 | 05 | 06 | 066 | 066021 | 06602103 |
| 06 | Pwani | 6 | Mafia | 021 | Kirongwe | 04 | Kirongwe | 506 | 06 | 06 | 066 | 066021 | 06602104 |
| 06 | Pwani | 6 | Mafia | 031 | Baleni | 01 | Baleni | 693 | 07 | 06 | 066 | 066031 | 06603101 |
| 06 | Pwani | 6 | Mafia | 031 | Baleni | 02 | Kungwi | 471 | 08 | 06 | 066 | 066031 | 06603102 |
| 06 | Pwani | 6 | Mafia | 031 | Baleni | 03 | Ndagoni | 507 | 09 | 06 | 066 | 066031 | 06603103 |
| 06 | Pwani | 6 | Mafia | 031 | Baleni | 04 | Chunguruma | 441 | 10 | 06 | 066 | 066031 | 06603104 |
| 06 | Pwani | 6 | Mafia | 043 | Kilindoni | 01 | Dongo | 322 | 11 | 06 | 066 | 066043 | 06604301 |
| 06 | Pwani | 6 | Mafia | 043 | Kilindoni | 02 | KilindoniBwejuu | 118 | 12 | 06 | 066 | 066043 | 06604302 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06 | Pwani | 6 | Mafia | 051 | Mibulani | 01 | Mlongo | 205 | 13 | 06 | 066 | 066051 | 06605101 |
| 06 | Pwani | 6 | Mafia | 051 | Mibulani | 02 | Mibulani | 376 | 14 | 06 | 066 | 066051 | 06605102 |
| 06 | Pwani | 6 | Mafia | 051 | Mibulani | 03 | Chemuchemu | 494 | 15 | 06 | 066 | 066051 | 06605103 |
| 06 | Pwani | 6 | Mafia | 061 | Kiegeani | 01 | Malimbani | 303 | 16 | 06 | 066 | 066061 | 06606101 |
| 06 | Pwani | 6 | Mafia | 061 | Kiegeani | 02 | Kiegeani | 527 | 17 | 06 | 066 | 066061 | 06606102 |
| 06 | Pwani | 6 | Mafia | 071 | Jibondo | 01 | Chole | 187 | 18 | 06 | 066 | 066071 | 06607101 |
| 06 | Pwani | 6 | Mafia | 071 | Jibondo | 02 | Juani | 173 | 19 | 06 | 066 | 066071 | 06607102 |
| 06 | Pwani | 6 | Mafia | 071 | Jibondo | 03 | Jibondo | 301 | 20 | 06 | 066 | 066071 | 06607103 |
| | | | **Mafia Count** | | | | | | **20** | | | | |
| | **Pwani Count** | | | | | | | | **157** | | | | |
| 07 | Dar es Salaam | 1 | Kinondoni | 133 | Kibamba | 01 | Kiluvya - Gogoni | 646 | 01 | 07 | 071 | 071133 | 07113301 |
| 07 | Dar es Salaam | 1 | Kinondoni | 133 | Kibamba | 02 | Msakuzi | 331 | 02 | 07 | 071 | 071133 | 07113302 |
| 07 | Dar es Salaam | 1 | Kinondoni | 133 | Kibamba | 03 | Kisopwa - Kwembe | 844 | 03 | 07 | 071 | 071133 | 07113303 |
| 07 | Dar es Salaam | 1 | Kinondoni | 141 | Goba | 01 | Kunguru | 588 | 04 | 07 | 071 | 071141 | 07114101 |
| 07 | Dar es Salaam | 1 | Kinondoni | 141 | Goba | 02 | Goba - Kibululu | 516 | 05 | 07 | 071 | 071141 | 07114102 |
| 07 | Dar es Salaam | 1 | Kinondoni | 141 | Goba | 03 | Matosa - Kivimbili | 431 | 06 | 07 | 071 | 071141 | 07114103 |
| 07 | Dar es Salaam | 1 | Kinondoni | 141 | Goba | 04 | Kulangula | 338 | 07 | 07 | 071 | 071141 | 07114104 |
| 07 | Dar es Salaam | 1 | Kinondoni | 141 | Goba | 04 | Madala | 693 | 08 | 07 | 071 | 071141 | 07114104 |
| 07 | Dar es Salaam | 1 | Kinondoni | 171 | Mbweni | 01 | Mpiji | 152 | 09 | 07 | 071 | 071171 | 07117101 |
| 07 | Dar es Salaam | 1 | Kinondoni | 171 | Mbweni | 02 | Maputo | 148 | 10 | 07 | 071 | 071171 | 07117102 |
| 07 | Dar es Salaam | 1 | Kinondoni | 171 | Mbweni | 03 | Tetagezaulole | 324 | 11 | 07 | 071 | 071171 | 07117103 |
| 07 | Dar es Salaam | 1 | Kinondoni | 183 | Bunju | 01 | Bunju A | 1078 | 12 | 07 | 071 | 071183 | 07118301 |
| 07 | Dar es Salaam | 1 | Kinondoni | 183 | Bunju | 02 | Bunju B | 641 | 13 | 07 | 071 | 071183 | 07118302 |
| 07 | Dar es Salaam | 1 | Kinondoni | 183 | Bunju | 03 | Mabwepande | 431 | 14 | 07 | 071 | 071183 | 07118303 |
| 07 | Dar es Salaam | 1 | Kinondoni | 183 | Bunju | 04 | Mbopo | 192 | 15 | 07 | 071 | 071183 | 07118304 |
| 07 | Dar es Salaam | 1 | Kinondoni | 263 | Mbezi | 01 | Msigani | 817 | 16 | 07 | 071 | 071263 | 07126301 |
| 07 | Dar es Salaam | 1 | Kinondoni | 263 | Mbezi | 02 | Mbezi Inn | 724 | 17 | 07 | 071 | 071263 | 07126302 |
| 07 | Dar es Salaam | 1 | Kinondoni | 263 | Mbezi | 03 | Msakuzi | 486 | 18 | 07 | 071 | 071263 | 07126303 |
| 07 | Dar es Salaam | 1 | Kinondoni | 263 | Mbezi | 04 | Mpiji Magoe | 481 | 19 | 07 | 071 | 071263 | 07126304 |
| 07 | Dar es Salaam | 1 | Kinondoni | 263 | Mbezi | 05 | Msumi | 325 | 20 | 07 | 071 | 071263 | 07126305 |
| | | | **Kinondoni Count** | | | | | | **20** | | | | |
| 07 | Dar es Salaam | 2 | Ilala | 023 | Pugu | 01 | Bangulo - Pugu station | 281 | 01 | 07 | 072 | 072023 | 07202301 |
| 07 | Dar es Salaam | 2 | Ilala | 031 | Msongola | 01 | Msongola - Kitonga | 738 | 02 | 07 | 072 | 072031 | 07203101 |
| 07 | Dar es Salaam | 2 | Ilala | 031 | Msongola | 02 | Mvuti - Kiboga | 882 | 03 | 07 | 072 | 072031 | 07203102 |
| 07 | Dar es Salaam | 2 | Ilala | 051 | Kinyerezi | 01 | Kinyerezi | 1027 | 04 | 07 | 072 | 072051 | 07205101 |
| 07 | Dar es Salaam | 2 | Ilala | 213 | Kitunda | 01 | Mzinga | 621 | 05 | 07 | 072 | 072213 | 07221301 |
| 07 | Dar es Salaam | 2 | Ilala | 213 | Kitunda | 02 | Kivule | 580 | 06 | 07 | 072 | 072213 | 07221302 |
| 07 | Dar es Salaam | 2 | Ilala | 213 | Kitunda | 03 | Kipunguni 'B' | 684 | 07 | 07 | 072 | 072213 | 07221303 |
| 07 | Dar es Salaam | 2 | Ilala | 223 | Chanika | 01 | Buyuni II - Nyeburu | 1025 | 08 | 07 | 072 | 072223 | 07222301 |
| 07 | Dar es Salaam | 2 | Ilala | 223 | Chanika | 02 | Chanika - Lukooni | 1379 | 09 | 07 | 072 | 072223 | 07222302 |
| 07 | Dar es Salaam | 2 | Ilala | 223 | Chanika | 03 | Nzasa - Chanika II | 1161 | 10 | 07 | 072 | 072223 | 07222303 |
| | | | **Ilala Count** | | | | | | **10** | | | | |
| 07 | Dar es Salaam | 3 | Temeke | 021 | Vijibweni | 01 | Kibene | 206 | 01 | 07 | 073 | 073021 | 07302101 |
| 07 | Dar es Salaam | 3 | Temeke | 021 | Vijibweni | 02 | Vijibweni | 408 | 02 | 07 | 073 | 073021 | 07302102 |
| 07 | Dar es Salaam | 3 | Temeke | 021 | Vijibweni | 03 | Kisiwani | 230 | 03 | 07 | 073 | 073021 | 07302103 |
| 07 | Dar es Salaam | 3 | Temeke | 021 | Vijibweni | 04 | Mkwajuni | 185 | 04 | 07 | 073 | 073021 | 07302104 |
| 07 | Dar es Salaam | 3 | Temeke | 031 | Kibada | 01 | Mizimbini | 306 | 05 | 07 | 073 | 073031 | 07303101 |
| 07 | Dar es Salaam | 3 | Temeke | 031 | Kibada | 02 | Mkize | 365 | 06 | 07 | 073 | 073031 | 07303102 |
| 07 | Dar es Salaam | 3 | Temeke | 041 | Kisarawe II | 01 | Vumilia Ukooni | 635 | 07 | 07 | 073 | 073041 | 07304101 |
| 07 | Dar es Salaam | 3 | Temeke | 041 | Kisarawe II | 02 | Chekeni - Mwasonga | 510 | 08 | 07 | 073 | 073041 | 07304102 |
| 07 | Dar es Salaam | 3 | Temeke | 051 | Somangira | 01 | Mwera -Gezaulole | 779 | 09 | 07 | 073 | 073051 | 07305101 |
| 07 | Dar es Salaam | 3 | Temeke | 051 | Somangira | 02 | Mwongozo | 650 | 10 | 07 | 073 | 073051 | 07305102 |
| 07 | Dar es Salaam | 3 | Temeke | 051 | Somangira | 03 | Amani gomvu | 945 | 11 | 07 | 073 | 073051 | 07305103 |
| 07 | Dar es Salaam | 3 | Temeke | 061 | Kimbiji | 01 | Kizito Huonjwa -B | 797 | 12 | 07 | 073 | 073061 | 07306101 |
| 07 | Dar es Salaam | 3 | Temeke | 083 | Chamazi | 01 | Mbande | 749 | 13 | 07 | 073 | 073083 | 07308301 |
| 07 | Dar es Salaam | 3 | Temeke | 113 | Toangoma | 01 | Yasemwayo | 661 | 14 | 07 | 073 | 073113 | 07311301 |
| 07 | Dar es Salaam | 3 | Temeke | 113 | Toangoma | 02 | Mwanamsekwa | 337 | 15 | 07 | 073 | 073113 | 07311302 |
| 07 | Dar es Salaam | 3 | Temeke | 231 | Pemba Mnazi | 01 | Yaleyale Puna | 379 | 16 | 07 | 073 | 073231 | 07323101 |
| 07 | Dar es Salaam | 3 | Temeke | 231 | Pemba Mnazi | 02 | Buyuni | 213 | 17 | 07 | 073 | 073231 | 07323102 |
| 07 | Dar es Salaam | 3 | Temeke | 231 | Pemba Mnazi | 03 | Pemba Mnazi | 107 | 18 | 07 | 073 | 073231 | 07323103 |
| 07 | Dar es Salaam | 3 | Temeke | 231 | Pemba Mnazi | 04 | Tundwi Songani | 327 | 19 | 07 | 073 | 073231 | 07323104 |
| 07 | Dar es Salaam | 3 | Temeke | 241 | Mji mwema | 01 | Maweni | 459 | 20 | 07 | 073 | 073241 | 07324101 |
| 07 | Dar es Salaam | 3 | Temeke | 241 | Mji mwema | 02 | Mji mwema | 458 | 21 | 07 | 073 | 073241 | 07324102 |
| 07 | Dar es Salaam | 3 | Temeke | 241 | Mji mwema | 03 | Kibugumo | 479 | 22 | 07 | 073 | 073241 | 07324103 |
| 07 | Dar es Salaam | 3 | Temeke | 241 | Mji mwema | 04 | Ugindoni | 202 | 23 | 07 | 073 | 073241 | 07324104 |
| | | | **Temeke Count** | | | | | | **23** | | | | |
| | **Dar es Salaam Count** | | | | | | | | **53** | | | | |
| 08 | Lindi | 1 | Kilwa | 011 | Tingi | 01 | Njianne | 427 | 01 | 08 | 081 | 081011 | 08101101 |
| 08 | Lindi | 1 | Kilwa | 011 | Tingi | 03 | Mtandango | 663 | 02 | 08 | 081 | 081011 | 08101103 |
| 08 | Lindi | 1 | Kilwa | 021 | Miteja | 03 | Mtoni | 523 | 03 | 08 | 081 | 081021 | 08102103 |
| 08 | Lindi | 1 | Kilwa | 031 | Mingumbi | 03 | Mingumbi | 404 | 04 | 08 | 081 | 081031 | 08103103 |
| 08 | Lindi | 1 | Kilwa | 031 | Mingumbi | 06 | Nampunga | 257 | 05 | 08 | 081 | 081031 | 08103106 |
| 08 | Lindi | 1 | Kilwa | 041 | Kinjumbi | 03 | Kinjumbi | 536 | 06 | 08 | 081 | 081041 | 08104103 |
| 08 | Lindi | 1 | Kilwa | 041 | Kinjumbi | 05 | Pungutini | 353 | 07 | 08 | 081 | 081041 | 08104105 |
| 08 | Lindi | 1 | Kilwa | 051 | Chumo | 03 | Ingirito-Mpamino | 319 | 08 | 08 | 081 | 081051 | 08105103 |
| 08 | Lindi | 1 | Kilwa | 051 | Chumo | 04 | Namayuni Mkwajuni | 991 | 09 | 08 | 081 | 081051 | 08105104 |
| 08 | Lindi | 1 | Kilwa | 061 | Kipatimu | 02 | Mtondo Kimwaga | 701 | 10 | 08 | 081 | 081061 | 08106102 |
| 08 | Lindi | 1 | Kilwa | 061 | Kipatimu | 05 | Nandete | 528 | 11 | 08 | 081 | 081061 | 08106105 |
| 08 | Lindi | 1 | Kilwa | 061 | Kipatimu | 08 | Hanga | 364 | 12 | 08 | 081 | 081061 | 08106108 |
| 08 | Lindi | 1 | Kilwa | 061 | Kipatimu | 09 | Kibata | 1082 | 13 | 08 | 081 | 081061 | 08106109 |
| 08 | Lindi | 1 | Kilwa | 071 | Kandawale | 01 | Kandawale | 432 | 14 | 08 | 081 | 081071 | 08107101 |
| 08 | Lindi | 1 | Kilwa | 081 | Njinjo | 03 | Mchemela | 284 | 15 | 08 | 081 | 081081 | 08108103 |
| 08 | Lindi | 1 | Kilwa | 101 | Miguruwe | 02 | Zinga Kibaoni | 431 | 16 | 08 | 081 | 081101 | 08110102 |
| 08 | Lindi | 1 | Kilwa | 121 | Nanjirinji | 01 | Nanjilinji A | 434 | 17 | 08 | 081 | 081121 | 08112101 |
| 08 | Lindi | 1 | Kilwa | 131 | Kiranjeranje | 02 | Mbwemkuru | 340 | 18 | 08 | 081 | 081131 | 08113102 |
| 08 | Lindi | 1 | Kilwa | 131 | Kiranjeranje | 04 | Makangaga | 410 | 19 | 08 | 081 | 081131 | 08113104 |
| 08 | Lindi | 1 | Kilwa | 141 | Mandawa | 02 | Kiwawa | 385 | 20 | 08 | 081 | 081141 | 08114102 |
| 08 | Lindi | 1 | Kilwa | 141 | Mandawa | 05 | Mandawa | 933 | 21 | 08 | 081 | 081141 | 08114105 |
| 08 | Lindi | 1 | Kilwa | 151 | Lihimalyao | 02 | Lihimalyao Kask | 308 | 22 | 08 | 081 | 081151 | 08115102 |
| 08 | Lindi | 1 | Kilwa | 151 | Lihimalyao | 05 | Rushungi | 249 | 23 | 08 | 081 | 081151 | 08115105 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | Lindi | 1 | Kilwa | 161 | Pande | 03 | Namwedo | 286 | 24 | 08 | 081 | 081161 | 08116103 |
| 08 | Lindi | 1 | Kilwa | 161 | Pande | 07 | Malalani | 286 | 25 | 08 | 081 | 081161 | 08116107 |
| 08 | Lindi | 1 | Kilwa | 183 | Kivinje/Singino | 03 | Singino | 962 | 26 | 08 | 081 | 081183 | 08118303 |
| 08 | Lindi | 1 | Kilwa | 183 | Kivinje/Singino | 04 | Matandu | 366 | 27 | 08 | 081 | 081183 | 08118304 |
| | | | **Kilwa Count** | | | | | | **27** | | | | |
| 08 | Lindi | 2 | Lindi Rural | 011 | Mipingo | 03 | Lihimilo | 193 | 01 | 08 | 082 | 082011 | 08201103 |
| 08 | Lindi | 2 | Lindi Rural | 031 | Mchinga | 01 | Mchinga II | 684 | 02 | 08 | 082 | 082031 | 08203101 |
| 08 | Lindi | 2 | Lindi Rural | 031 | Mchinga | 04 | Kilangala | 568 | 03 | 08 | 082 | 082031 | 08203104 |
| 08 | Lindi | 2 | Lindi Rural | 041 | Kilolambwani | 02 | Mvuleni "A" | 370 | 04 | 08 | 082 | 082041 | 08204102 |
| 08 | Lindi | 2 | Lindi Rural | 051 | Mbanja | 02 | Kikwetu | 196 | 05 | 08 | 082 | 082051 | 08205102 |
| 08 | Lindi | 2 | Lindi Rural | 073 | Mingoyo | 01 | Mkwaya | 455 | 06 | 08 | 082 | 082073 | 08207301 |
| 08 | Lindi | 2 | Lindi Rural | 081 | Mnolela | 02 | Zingatia | 579 | 07 | 08 | 082 | 082081 | 08208102 |
| 08 | Lindi | 2 | Lindi Rural | 081 | Mnolela | 05 | Namunda | 359 | 08 | 08 | 082 | 082081 | 08208105 |
| 08 | Lindi | 2 | Lindi Rural | 091 | Sudi | 03 | MadangwaHingawali | 497 | 09 | 08 | 082 | 082091 | 08209103 |
| 08 | Lindi | 2 | Lindi Rural | 101 | Nachunyu | 01 | Mnali | 508 | 10 | 08 | 082 | 082101 | 08210101 |
| 08 | Lindi | 2 | Lindi Rural | 101 | Nachunyu | 04 | Nachunyu | 884 | 11 | 08 | 082 | 082101 | 08210104 |
| 08 | Lindi | 2 | Lindi Rural | 113 | Mtama | 06 | Mbalala | 159 | 12 | 08 | 082 | 082113 | 08211306 |
| 08 | Lindi | 2 | Lindi Rural | 123 | Nyangao | 04 | Namangale | 1071 | 13 | 08 | 082 | 082123 | 08212304 |
| 08 | Lindi | 2 | Lindi Rural | 131 | Namupa | 03 | Mnamba Namupa | 135 | 14 | 08 | 082 | 082131 | 08213103 |
| 08 | Lindi | 2 | Lindi Rural | 151 | Mtua | 04 | Nyengedi | 838 | 15 | 08 | 082 | 082151 | 08215104 |
| 08 | Lindi | 2 | Lindi Rural | 151 | Mtua | 02 | Kilimahewa "A" | 393 | 16 | 08 | 082 | 082151 | 08215102 |
| 08 | Lindi | 2 | Lindi Rural | 161 | Nahukahuka | 04 | Longa | 492 | 17 | 08 | 082 | 082161 | 08216104 |
| 08 | Lindi | 2 | Lindi Rural | 171 | Ngangamara | 04 | Linoha | 212 | 18 | 08 | 082 | 082171 | 08217104 |
| 08 | Lindi | 2 | Lindi Rural | 181 | Mandwanga | 03 | Chiuta | 545 | 19 | 08 | 082 | 082181 | 08218103 |
| 08 | Lindi | 2 | Lindi Rural | 191 | Mnara | 01 | Ntene | 844 | 20 | 08 | 082 | 082191 | 08219101 |
| 08 | Lindi | 2 | Lindi Rural | 201 | Chiponda | 01 | Chiponda | 360 | 21 | 08 | 082 | 082201 | 08220101 |
| 08 | Lindi | 2 | Lindi Rural | 211 | Ng`apa | 01 | Mkupama | 567 | 22 | 08 | 082 | 082211 | 08221101 |
| 08 | Lindi | 2 | Lindi Rural | 211 | Ng`apa | 02 | Mbuyuni | 1227 | 23 | 08 | 082 | 082211 | 08221102 |
| 08 | Lindi | 2 | Lindi Rural | 221 | Tandangongoro | 01 | Mkanga I | 195 | 24 | 08 | 082 | 082221 | 08222101 |
| 08 | Lindi | 2 | Lindi Rural | 231 | Rutamba | 02 | Rutamba ya sasa | 707 | 25 | 08 | 082 | 082231 | 08223102 |
| 08 | Lindi | 2 | Lindi Rural | 231 | Rutamba | 04 | Kinyope | 539 | 26 | 08 | 082 | 082231 | 08223104 |
| 08 | Lindi | 2 | Lindi Rural | 241 | Milola | 02 | Milola Mashariki | 976 | 27 | 08 | 082 | 082241 | 08224102 |
| 08 | Lindi | 2 | Lindi Rural | 251 | Kiwawa | 02 | Kiwawa | 375 | 28 | 08 | 082 | 082251 | 08225102 |
| 08 | Lindi | 2 | Lindi Rural | 261 | Chikonji | 03 | Chikonji | 718 | 29 | 08 | 082 | 082261 | 08226103 |
| 08 | Lindi | 2 | Lindi Rural | 281 | Nangaru | 01 | Makumba | 186 | 30 | 08 | 082 | 082281 | 08228101 |
| | | | **Lindi Rural Count** | | | | | | **30** | | | | |
| 08 | Lindi | 3 | Nachingwea | 031 | Ruponda | 01 | Ruponda | 622 | 01 | 08 | 083 | 083031 | 08303101 |
| 08 | Lindi | 3 | Nachingwea | 031 | Ruponda | 04 | Mandawa | 314 | 02 | 08 | 083 | 083031 | 08303104 |
| 08 | Lindi | 3 | Nachingwea | 041 | Mnero | 03 | Ntila | 450 | 03 | 08 | 083 | 083041 | 08304103 |
| 08 | Lindi | 3 | Nachingwea | 051 | Namapwia | 02 | Likongowele | 448 | 04 | 08 | 083 | 083051 | 08305102 |
| 08 | Lindi | 3 | Nachingwea | 061 | Kipara Mnero | 02 | Nambalapala | 532 | 05 | 08 | 083 | 083061 | 08306102 |
| 08 | Lindi | 3 | Nachingwea | 071 | Lionja | 02 | Lionja 'A' | 746 | 06 | 08 | 083 | 083071 | 08307102 |
| 08 | Lindi | 3 | Nachingwea | 071 | Lionja | 05 | Ngunichile | 678 | 07 | 08 | 083 | 083071 | 08307105 |
| 08 | Lindi | 3 | Nachingwea | 091 | Nditi | 01 | Nditi | 775 | 08 | 08 | 083 | 083091 | 08309101 |
| 08 | Lindi | 3 | Nachingwea | 101 | Kilima Rondo | 02 | Kilima Rondo | 457 | 09 | 08 | 083 | 083101 | 08310102 |
| 08 | Lindi | 3 | Nachingwea | 111 | Mbondo | 02 | Mbondo | 421 | 10 | 08 | 083 | 083111 | 08311102 |
| 08 | Lindi | 3 | Nachingwea | 121 | Kiegei | 01 | Kiegei | 599 | 11 | 08 | 083 | 083121 | 08312101 |
| 08 | Lindi | 3 | Nachingwea | 131 | Mkoka | 04 | Rweje | 408 | 12 | 08 | 083 | 083131 | 08313104 |
| 08 | Lindi | 3 | Nachingwea | 141 | Chiola | 04 | Mtimbo | 313 | 13 | 08 | 083 | 083141 | 08314104 |
| 08 | Lindi | 3 | Nachingwea | 151 | Mpiruka | 02 | Mpiruka | 872 | 14 | 08 | 083 | 083151 | 08315102 |
| 08 | Lindi | 3 | Nachingwea | 161 | Nangowe | 03 | Matankini | 605 | 15 | 08 | 083 | 083161 | 08316103 |
| 08 | Lindi | 3 | Nachingwea | 171 | Mkotokuyana | 01 | Mkotokuyana | 432 | 16 | 08 | 083 | 083171 | 08317101 |
| 08 | Lindi | 3 | Nachingwea | 183 | Naipanga | 01 | Raha Leo | 772 | 17 | 08 | 083 | 083183 | 08318301 |
| 08 | Lindi | 3 | Nachingwea | 191 | Stesheni | 02 | Songambele | 427 | 18 | 08 | 083 | 083191 | 08319102 |
| 08 | Lindi | 3 | Nachingwea | 201 | Naipingo | 01 | Naipingo | 644 | 19 | 08 | 083 | 083201 | 08320101 |
| 08 | Lindi | 3 | Nachingwea | 201 | Naipingo | 03 | Mchonda | 343 | 20 | 08 | 083 | 083201 | 08320103 |
| 08 | Lindi | 3 | Nachingwea | 201 | Naipingo | 06 | Nang'ondo | 431 | 21 | 08 | 083 | 083201 | 08320106 |
| 08 | Lindi | 3 | Nachingwea | 211 | Mtua | 01 | Kipara Mtua | 431 | 22 | 08 | 083 | 083211 | 08321101 |
| 08 | Lindi | 3 | Nachingwea | 221 | Mnero Ngongo | 01 | Kitandi | 376 | 23 | 08 | 083 | 083221 | 08322101 |
| 08 | Lindi | 3 | Nachingwea | 231 | Matekwe | 02 | Matekwe | 562 | 24 | 08 | 083 | 083231 | 08323102 |
| 08 | Lindi | 3 | Nachingwea | 241 | Marambo | 02 | Marambo | 664 | 25 | 08 | 083 | 083241 | 08324102 |
| 08 | Lindi | 3 | Nachingwea | 241 | Marambo | 05 | Ikungu | 548 | 26 | 08 | 083 | 083241 | 08324105 |
| 08 | Lindi | 3 | Nachingwea | 261 | Ndomoni | 02 | Ndomoni | 375 | 27 | 08 | 083 | 083261 | 08326102 |
| | | | **Nachingwea Count** | | | | | | **27** | | | | |
| 08 | Lindi | 4 | Liwale | 013 | Liwale 'M' | 01 | Nangando | 300 | 01 | 08 | 084 | 084013 | 08401301 |
| 08 | Lindi | 4 | Liwale | 013 | Liwale 'M' | 03 | Mungurumo | 195 | 02 | 08 | 084 | 084013 | 08401303 |
| 08 | Lindi | 4 | Liwale | 021 | Mihumo | 01 | Likombora | 232 | 03 | 08 | 084 | 084021 | 08402101 |
| 08 | Lindi | 4 | Liwale | 021 | Mihumo | 02 | Mihumo | 458 | 04 | 08 | 084 | 084021 | 08402102 |
| 08 | Lindi | 4 | Liwale | 031 | Ngongowele | 01 | Ngongowele | 346 | 05 | 08 | 084 | 084031 | 08403101 |
| 08 | Lindi | 4 | Liwale | 031 | Ngongowele | 03 | Likombe | 485 | 06 | 08 | 084 | 084031 | 08403103 |
| 08 | Lindi | 4 | Liwale | 041 | Mlembwe | 01 | Mlembwe | 320 | 07 | 08 | 084 | 084041 | 08404101 |
| 08 | Lindi | 4 | Liwale | 041 | Mlembwe | 02 | Ndapata | 094 | 08 | 08 | 084 | 084041 | 08404102 |
| 08 | Lindi | 4 | Liwale | 051 | Makata | 02 | Mkundi | 269 | 09 | 08 | 084 | 084051 | 08405102 |
| 08 | Lindi | 4 | Liwale | 051 | Makata | 03 | Mpengele | 308 | 10 | 08 | 084 | 084051 | 08405103 |
| 08 | Lindi | 4 | Liwale | 061 | Barikiwa | 01 | Chimbuko | 236 | 11 | 08 | 084 | 084061 | 08406101 |
| 08 | Lindi | 4 | Liwale | 061 | Barikiwa | 03 | Barikiwa | 351 | 12 | 08 | 084 | 084061 | 08406103 |
| 08 | Lindi | 4 | Liwale | 071 | Mkutano | 02 | Kikulyungu | 167 | 13 | 08 | 084 | 084071 | 08407102 |
| 08 | Lindi | 4 | Liwale | 081 | Mbaya | 01 | Kichonda | 408 | 14 | 08 | 084 | 084081 | 08408101 |
| 08 | Lindi | 4 | Liwale | 081 | Mbaya | 02 | Mbaya | 337 | 15 | 08 | 084 | 084081 | 08408102 |
| 08 | Lindi | 4 | Liwale | 081 | Mbaya | 05 | Mtawango | 163 | 16 | 08 | 084 | 084081 | 08408105 |
| 08 | Lindi | 4 | Liwale | 101 | Kiang'ara | 01 | Kiangara | 439 | 17 | 08 | 084 | 084101 | 08410101 |
| 08 | Lindi | 4 | Liwale | 101 | Kiang'ara | 03 | Mtawatawa | 235 | 18 | 08 | 084 | 084101 | 08410103 |
| 08 | Lindi | 4 | Liwale | 111 | Ndumbu | 01 | Ngumbu | 218 | 19 | 08 | 084 | 084111 | 08411101 |
| 08 | Lindi | 4 | Liwale | 121 | Nangano | 01 | Nangano | 145 | 20 | 08 | 084 | 084121 | 08412101 |
| 08 | Lindi | 4 | Liwale | 121 | Nangano | 02 | Nahoro | 307 | 21 | 08 | 084 | 084121 | 08412102 |
| 08 | Lindi | 4 | Liwale | 141 | Mirui | 01 | Mirui | 304 | 22 | 08 | 084 | 084141 | 08414101 |
| 08 | Lindi | 4 | Liwale | 141 | Mirui | 02 | Kiperere | 142 | 23 | 08 | 084 | 084141 | 08414102 |
| 08 | Lindi | 4 | Liwale | 151 | Liwale 'B' | 01 | Mikunya | 295 | 24 | 08 | 084 | 084151 | 08415101 |
| 08 | Lindi | 4 | Liwale | 151 | Liwale 'B' | 02 | Liwale 'B' | 516 | 25 | 08 | 084 | 084151 | 08415102 |
| 08 | Lindi | 4 | Liwale | 161 | Mangirikiti | 01 | Kipule | 337 | 26 | 08 | 084 | 084161 | 08416101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | Lindi | 4 | Liwale | 161 | Mangirikiti | 02 | Mangirikiti | 465 | 27 | 08 | 084 | 084161 | 08416102 |
| | | | **Liwale Count** | | | | | | **27** | | | | |
| 08 | Lindi | 5 | Ruangwa | 013 | Ruangwa | 03 | Lipande | 126 | 01 | 08 | 085 | 085013 | 08501303 |
| 08 | Lindi | 5 | Ruangwa | 023 | Mbekenyera | 05 | Namilema | 398 | 02 | 08 | 085 | 085023 | 08502305 |
| 08 | Lindi | 5 | Ruangwa | 041 | Malolo | 02 | Mtakuja | 434 | 04 | 08 | 085 | 085041 | 08504102 |
| 08 | Lindi | 5 | Ruangwa | 041 | Malolo | 05 | Nangumbu | 759 | 05 | 08 | 085 | 085041 | 08504105 |
| 08 | Lindi | 5 | Ruangwa | 041 | Malolo | 06 | Michenga | 787 | 06 | 08 | 085 | 085041 | 08504106 |
| 08 | Lindi | 5 | Ruangwa | 051 | Luchelegwa | 02 | Chinongwe | 1008 | 07 | 08 | 085 | 085051 | 08505102 |
| 08 | Lindi | 5 | Ruangwa | 051 | Luchelegwa | 03 | Luchelegwa | 398 | 08 | 08 | 085 | 085051 | 08505103 |
| 08 | Lindi | 5 | Ruangwa | 051 | Luchelegwa | 06 | Likwachu | 580 | 09 | 08 | 085 | 085051 | 08505106 |
| 08 | Lindi | 5 | Ruangwa | 061 | Chienjere | 02 | Chienjere | 531 | 10 | 08 | 085 | 085061 | 08506102 |
| 08 | Lindi | 5 | Ruangwa | 061 | Chienjere | 04 | Mibure | 462 | 11 | 08 | 085 | 085061 | 08506104 |
| 08 | Lindi | 5 | Ruangwa | 071 | Namichiga | 02 | Namichiga | 492 | 12 | 08 | 085 | 085071 | 08507102 |
| 08 | Lindi | 5 | Ruangwa | 071 | Namichiga | 04 | Matambarale | 597 | 13 | 08 | 085 | 085071 | 08507104 |
| 08 | Lindi | 5 | Ruangwa | 081 | Narungombe | 01 | Liuguru | 547 | 14 | 08 | 085 | 085081 | 08508101 |
| 08 | Lindi | 5 | Ruangwa | 081 | Narungombe | 04 | Machang'anja | 133 | 15 | 08 | 085 | 085081 | 08508104 |
| 08 | Lindi | 5 | Ruangwa | 091 | Makanjiro | 05 | Chinokole | 154 | 16 | 08 | 085 | 085091 | 08509105 |
| 08 | Lindi | 5 | Ruangwa | 101 | Likunja | 02 | Likunja | 491 | 17 | 08 | 085 | 085101 | 08510102 |
| 08 | Lindi | 5 | Ruangwa | 101 | Likunja | 04 | Mpara | 172 | 18 | 08 | 085 | 085101 | 08510104 |
| 08 | Lindi | 5 | Ruangwa | 111 | Mnacho | 01 | Ng'au | 622 | 19 | 08 | 085 | 085111 | 08511101 |
| 08 | Lindi | 5 | Ruangwa | 111 | Mnacho | 05 | Namahema | 395 | 20 | 08 | 085 | 085111 | 08511105 |
| 08 | Lindi | 5 | Ruangwa | 111 | Mnacho | 06 | Nandagala | 1114 | 21 | 08 | 085 | 085111 | 08511106 |
| 08 | Lindi | 5 | Ruangwa | 121 | Mandawa | 01 | Mchichili | 773 | 22 | 08 | 085 | 085121 | 08512101 |
| 08 | Lindi | 5 | Ruangwa | 121 | Mandawa | 05 | Chibula | 349 | 23 | 08 | 085 | 085121 | 08512105 |
| 08 | Lindi | 5 | Ruangwa | 131 | Nambilanje | 01 | Nanjaru | 248 | 24 | 08 | 085 | 085131 | 08513101 |
| 08 | Lindi | 5 | Ruangwa | 131 | Nambilanje | 04 | Nambilanje | 336 | 25 | 08 | 085 | 085131 | 08513104 |
| 08 | Lindi | 5 | Ruangwa | 141 | Chunyu | 02 | Chunyu | 479 | 26 | 08 | 085 | 085141 | 08514102 |
| 08 | Lindi | 5 | Ruangwa | 151 | Mandarawe | 01 | Nandenje | 397 | 27 | 08 | 085 | 085151 | 08515101 |
| 08 | Lindi | 5 | Ruangwa | 0 33 | Nkowe | 02 | Mpumbe | 287 | 03 | 08 | 085 | 0850 33 | 0850 3302 |
| | | | **Ruangwa Count** | | | | | | **27** | | | | |
| 08 | Lindi | 6 | Lindi Urban | 103 | Rasbura | 01 | Mitwero | 336 | 01 | 08 | 086 | 086103 | 08610301 |
| 08 | Lindi | 6 | Lindi Urban | 113 | Mtanda | 01 | Kineng'ene | 884 | 02 | 08 | 086 | 086113 | 08611301 |
| 08 | Lindi | 6 | Lindi Urban | 123 | Jamhuri | 01 | Mtange | 063 | 03 | 08 | 086 | 086123 | 08612301 |
| 08 | Lindi | 6 | Lindi Urban | 123 | Jamhuri | 02 | Hyato | 089 | 04 | 08 | 086 | 086123 | 08612302 |
| 08 | Lindi | 6 | Lindi Urban | 123 | Jamhuri | 03 | Tulieni | 629 | 05 | 08 | 086 | 086123 | 08612303 |
| 08 | Lindi | 6 | Lindi Urban | 133 | Msinjahili | 01 | Nachingwea | 538 | 06 | 08 | 086 | 086133 | 08613301 |
| | | | **Lindi Urban Count** | | | | | | **06** | | | | |
| | Lindi Count | | | | | | | | 144 | | | | |
| 09 | Mtwara | 1 | Mtwara Rural | 013 | Madimba | 03 | Mitambo | 342 | 01 | 09 | 091 | 091013 | 09101303 |
| 09 | Mtwara | 1 | Mtwara Rural | 021 | Ziwani | 01 | Msanga Mkuu | 603 | 02 | 09 | 091 | 091021 | 09102101 |
| 09 | Mtwara | 1 | Mtwara Rural | 021 | Ziwani | 04 | Nalingu | 529 | 03 | 09 | 091 | 091021 | 09102104 |
| 09 | Mtwara | 1 | Mtwara Rural | 021 | Ziwani | 08 | Minyembe | 350 | 04 | 09 | 091 | 091021 | 09102108 |
| 09 | Mtwara | 1 | Mtwara Rural | 031 | Nanguruwe | 04 | Mbawala | 600 | 05 | 09 | 091 | 091031 | 09103104 |
| 09 | Mtwara | 1 | Mtwara Rural | 041 | Mahurunga | 01 | Kihimika | 310 | 06 | 09 | 091 | 091041 | 09104101 |
| 09 | Mtwara | 1 | Mtwara Rural | 041 | Mahurunga | 03 | Kilambo | 619 | 07 | 09 | 091 | 091041 | 09104103 |
| 09 | Mtwara | 1 | Mtwara Rural | 041 | Mahurunga | 07 | Kirombelo | 235 | 08 | 09 | 091 | 091041 | 09104107 |
| 09 | Mtwara | 1 | Mtwara Rural | 051 | Kitaya | 05 | Kitaya | 729 | 09 | 09 | 091 | 091051 | 09105105 |
| 09 | Mtwara | 1 | Mtwara Rural | 061 | Kiromba | 02 | Kiromba/Juu | 520 | 10 | 09 | 091 | 091061 | 09106102 |
| 09 | Mtwara | 1 | Mtwara Rural | 061 | Kiromba | 04 | Mpanyani | 280 | 11 | 09 | 091 | 091061 | 09106104 |
| 09 | Mtwara | 1 | Mtwara Rural | 071 | Njengwa | 04 | Nang'awanga | 206 | 12 | 09 | 091 | 091071 | 09107104 |
| 09 | Mtwara | 1 | Mtwara Rural | 081 | Nitekela | 02 | Niyumba | 292 | 13 | 09 | 091 | 091081 | 09108102 |
| 09 | Mtwara | 1 | Mtwara Rural | 093 | Nanyamba | 01 | Mibobo | 201 | 14 | 09 | 091 | 091093 | 09109301 |
| 09 | Mtwara | 1 | Mtwara Rural | 093 | Nanyamba | 04 | Mbembaleo | 952 | 15 | 09 | 091 | 091093 | 09109304 |
| 09 | Mtwara | 1 | Mtwara Rural | 101 | Mtiniko | 03 | Mtimbwilimbwi | 471 | 16 | 09 | 091 | 091101 | 09110103 |
| 09 | Mtwara | 1 | Mtwara Rural | 101 | Mtiniko | 09 | Maranje | 512 | 17 | 09 | 091 | 091101 | 09110109 |
| 09 | Mtwara | 1 | Mtwara Rural | 111 | Dihimba | 04 | Dihimba | 348 | 18 | 09 | 091 | 091111 | 09111104 |
| 09 | Mtwara | 1 | Mtwara Rural | 121 | Mnima | 01 | Lipwidi | 312 | 19 | 09 | 091 | 091121 | 09112101 |
| 09 | Mtwara | 1 | Mtwara Rural | 121 | Mnima | 06 | Mnima | 754 | 20 | 09 | 091 | 091121 | 09112106 |
| 09 | Mtwara | 1 | Mtwara Rural | 131 | Kitere | 03 | Nakada | 284 | 21 | 09 | 091 | 091131 | 09113103 |
| 09 | Mtwara | 1 | Mtwara Rural | 131 | Kitere | 07 | Libobe | 789 | 22 | 09 | 091 | 091131 | 09113107 |
| 09 | Mtwara | 1 | Mtwara Rural | 141 | Ndumbwe | 01 | Utende | 471 | 23 | 09 | 091 | 091141 | 09114101 |
| 09 | Mtwara | 1 | Mtwara Rural | 141 | Ndumbwe | 04 | Mbuo | 446 | 24 | 09 | 091 | 091141 | 09114104 |
| 09 | Mtwara | 1 | Mtwara Rural | 151 | Mayanga | 03 | Mkunwa | 371 | 25 | 09 | 091 | 091151 | 09115103 |
| 09 | Mtwara | 1 | Mtwara Rural | 161 | Naumbu | 02 | Mgao | 849 | 26 | 09 | 091 | 091161 | 09116102 |
| 09 | Mtwara | 1 | Mtwara Rural | 161 | Naumbu | 04 | Naumbu | 623 | 27 | 09 | 091 | 091161 | 09116104 |
| 09 | Mtwara | 1 | Mtwara Rural | 181 | Namtumbuka | 01 | Mnyai | 302 | 28 | 09 | 091 | 091181 | 09118101 |
| 09 | Mtwara | 1 | Mtwara Rural | 181 | Namtumbuka | 03 | Mnyawi | 634 | 29 | 09 | 091 | 091181 | 09118103 |
| 09 | Mtwara | 1 | Mtwara Rural | 181 | Namtumbuka | 05 | Mnongodi | 511 | 30 | 09 | 091 | 091181 | 09118105 |
| | | | **Mtwara Rural Count** | | | | | | **30** | | | | |
| 09 | Mtwara | 2 | Newala | 013 | Luchingu | 03 | Tupendane Amkeni | 839 | 01 | 09 | 092 | 092013 | 09201303 |
| 09 | Mtwara | 2 | Newala | 021 | Makote | 01 | Mahumbika Mkwajuni | 411 | 02 | 09 | 092 | 092021 | 09202101 |
| 09 | Mtwara | 2 | Newala | 021 | Makote | 04 | Makondeko Usalama | 543 | 03 | 09 | 092 | 092021 | 09202104 |
| 09 | Mtwara | 2 | Newala | 081 | Chitekete | 03 | Chitekete | 527 | 11 | 09 | 092 | 092081 | 09208103 |
| 09 | Mtwara | 2 | Newala | 091 | Mnyambe | 03 | Mnyambe | 466 | 12 | 09 | 092 | 092091 | 09209103 |
| 09 | Mtwara | 2 | Newala | 091 | Mnyambe | 03 | Chihangu | 677 | 13 | 09 | 092 | 092091 | 09209103 |
| 09 | Mtwara | 2 | Newala | 101 | Chilangala | 01 | Miyuyu | 206 | 14 | 09 | 092 | 092101 | 09210101 |
| 09 | Mtwara | 2 | Newala | 101 | Chilangala | 04 | Mkongi Mihoka&Mkongi | 552 | 15 | 09 | 092 | 092101 | 09210104 |
| 09 | Mtwara | 2 | Newala | 111 | Mkoma II | 05 | Nambali | 642 | 16 | 09 | 092 | 092111 | 09211105 |
| 09 | Mtwara | 2 | Newala | 123 | Kitangari | 08 | Niamoja | 271 | 17 | 09 | 092 | 092123 | 09212308 |
| 09 | Mtwara | 2 | Newala | 131 | Malatu | 05 | Malatu juu Chiuta | 646 | 18 | 09 | 092 | 092131 | 09213105 |
| 09 | Mtwara | 2 | Newala | 141 | Mchemo | 04 | Minjale A,B | 286 | 19 | 09 | 092 | 092141 | 09214104 |
| 09 | Mtwara | 2 | Newala | 141 | Mchemo | 06 | Mpwapwa A | 384 | 20 | 09 | 092 | 092141 | 09214106 |
| 09 | Mtwara | 2 | Newala | 141 | Mchemo | 03 | Lengo Chihwindi | 586 | 21 | 09 | 092 | 092141 | 09214103 |
| 09 | Mtwara | 2 | Newala | 151 | Mtopwa | 07 | Chilondolo Mtapela | 472 | 22 | 09 | 092 | 092151 | 09215107 |
| 09 | Mtwara | 2 | Newala | 161 | Chiwonga | 03 | Muungano Dimene | 401 | 23 | 09 | 092 | 092161 | 09216103 |
| 09 | Mtwara | 2 | Newala | 161 | Chiwonga | 03 | Chikunda Lubido Mchimi | 240 | 24 | 09 | 092 | 092161 | 09216103 |
| 09 | Mtwara | 2 | Newala | 171 | Maputi | 01 | Mtongwele Sijaona | 511 | 25 | 09 | 092 | 092171 | 09217101 |
| 09 | Mtwara | 2 | Newala | 181 | Makukwe | 01 | Ngongo Bondeni | 240 | 26 | 09 | 092 | 092181 | 09218101 |
| 09 | Mtwara | 2 | Newala | 181 | Makukwe | 05 | Makukwe Kiwanjani | 582 | 27 | 09 | 092 | 092181 | 09218105 |
| 09 | Mtwara | 2 | Newala | 181 | Makukwe | 09 | Mtunguru | 955 | 28 | 09 | 092 | 092181 | 09218109 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 09 | Mtwara | 2 | Newala | 191 | Mkwedu | 02 | Tengulengu Mwenge | 597 | 29 | 09 | 092 | 092191 | 09219102 |
| 09 | Mtwara | 2 | Newala | 201 | Mcholi II | 02 | Tawala Mdenga | 468 | 30 | 09 | 092 | 092201 | 09220102 |
| 09 | Mtwara | 2 | Newala | 0 3 1 | Nanguruwe | 05 | Nanguruwe | 304 | 04 | 09 | 092 | 0920 3 1 | 0920 3 105 |
| 09 | Mtwara | 2 | Newala | 0 4 1 | Mkunya | 01 | Mkunya | 258 | 05 | 09 | 092 | 0920 4 1 | 0920 4 101 |
| 09 | Mtwara | 2 | Newala | 0 5 1 | Mcholi I | 01 | Chihwindi | 629 | 06 | 09 | 092 | 0920 5 1 | 0920 5 101 |
| 09 | Mtwara | 2 | Newala | 0 6 1 | Namiyonga | 05 | Magombo | 507 | 07 | 09 | 092 | 0920 6 1 | 0920 6 105 |
| 09 | Mtwara | 2 | Newala | 0 6 1 | Namiyonga | 07 | Namiyonga | 423 | 08 | 09 | 092 | 0920 6 1 | 0920 6 107 |
| 09 | Mtwara | 2 | Newala | 0 7 1 | Mnekachi | 02 | Makonga | 677 | 09 | 09 | 092 | 0920 7 1 | 0920 7 102 |
| 09 | Mtwara | 2 | Newala | 0 7 1 | Mnekachi | 03 | Mkoma I | 506 | 10 | 09 | 092 | 0920 7 1 | 0920 7 103 |
| | | | **Newala Count** | | | | | | **30** | | | | |
| 09 | Mtwara | 3 | Masasi | 021 | Lisekese | 03 | Nangose/Lisekese | 385 | 01 | 09 | 093 | 093021 | 09302103 |
| 09 | Mtwara | 3 | Masasi | 021 | Lisekese | 07 | Matawale/Samora | 366 | 02 | 09 | 093 | 093021 | 09302107 |
| 09 | Mtwara | 3 | Masasi | 021 | Lisekese | 12 | Sululu/Shuleni | 627 | 03 | 09 | 093 | 093021 | 09302112 |
| 09 | Mtwara | 3 | Masasi | 031 | Marika | 02 | Namatunu TO10 Nazare | 505 | 04 | 09 | 093 | 093031 | 09303102 |
| 09 | Mtwara | 3 | Masasi | 041 | Mpindimbi | 01 | Chanikanguo/Kariakoo | 604 | 05 | 09 | 093 | 093041 | 09304101 |
| 09 | Mtwara | 3 | Masasi | 041 | Mpindimbi | 06 | Kanyimbi/Muungano | 373 | 06 | 09 | 093 | 093041 | 09304106 |
| 09 | Mtwara | 3 | Masasi | 053 | Lukuledi | 05 | Mraushi/Masonga | 550 | 07 | 09 | 093 | 093053 | 09305305 |
| 09 | Mtwara | 3 | Masasi | 053 | Lukuledi | 09 | Mpanyani/Mapokezi/ Juh | 183 | 08 | 09 | 093 | 093053 | 09305309 |
| 09 | Mtwara | 3 | Masasi | 061 | Namatutwe | 04 | Namatutwe Chimbo | 673 | 09 | 09 | 093 | 093061 | 09306104 |
| 09 | Mtwara | 3 | Masasi | 071 | Mikangaula | 04 | Mkwajuni Handeni | 476 | 10 | 09 | 093 | 093071 | 09307104 |
| 09 | Mtwara | 3 | Masasi | 071 | Mikangaula | 07 | Namatumbusi/ | 552 | 11 | 09 | 093 | 093071 | 09307107 |
| 09 | Mtwara | 3 | Masasi | 081 | Maratani | 04 | Mnanje chini | 387 | 12 | 09 | 093 | 093081 | 09308104 |
| 09 | Mtwara | 3 | Masasi | 091 | Nandete | 03 | Nandete | 522 | 13 | 09 | 093 | 093091 | 09309103 |
| 09 | Mtwara | 3 | Masasi | 101 | Chiwata | 02 | Chidya Ofisini | 510 | 14 | 09 | 093 | 093101 | 09310102 |
| 09 | Mtwara | 3 | Masasi | 111 | Chigugu | 02 | Chigugu Mwenjema | 1385 | 15 | 09 | 093 | 093111 | 09311102 |
| 09 | Mtwara | 3 | Masasi | 111 | Chigugu | 06 | Chikukwe Mputuma | 692 | 16 | 09 | 093 | 093111 | 09311106 |
| 09 | Mtwara | 3 | Masasi | 123 | Mwena | 02 | Mtunungu Bondeni Rd | 956 | 17 | 09 | 093 | 093123 | 09312302 |
| 09 | Mtwara | 3 | Masasi | 123 | Mwena | 05 | Liputu Mitumbati | 731 | 18 | 09 | 093 | 093123 | 09312305 |
| 09 | Mtwara | 3 | Masasi | 133 | Nanganga | 03 | MumburuMihima | 623 | 19 | 09 | 093 | 093133 | 09313303 |
| 09 | Mtwara | 3 | Masasi | 141 | Napacho | 01 | Nakopi Mchundi | 491 | 20 | 09 | 093 | 093141 | 09314101 |
| 09 | Mtwara | 3 | Masasi | 151 | Lumesule | 02 | Chigweje Mseto | 429 | 21 | 09 | 093 | 093151 | 09315102 |
| 09 | Mtwara | 3 | Masasi | 163 | Likokona | 04 | Msinyasi Tuleane | 323 | 22 | 09 | 093 | 093163 | 09316304 |
| 09 | Mtwara | 3 | Masasi | 181 | Masuguru | 03 | Lukula Msikitini | 439 | 23 | 09 | 093 | 093181 | 09318103 |
| 09 | Mtwara | 3 | Masasi | 191 | Nanyumbu | 06 | Nanderu Ngonji | 395 | 24 | 09 | 093 | 093191 | 09319106 |
| 09 | Mtwara | 3 | Masasi | 203 | Nangomba | 04 | Nangomba Madukani | 1435 | 25 | 09 | 093 | 093203 | 09320304 |
| 09 | Mtwara | 3 | Masasi | 203 | Nangomba | 09 | Ngalinje Kagera | 135 | 26 | 09 | 093 | 093203 | 09320309 |
| 09 | Mtwara | 3 | Masasi | 223 | Chiungutwa | 01 | Mpeta Kilimanihewa | 489 | 27 | 09 | 093 | 093223 | 09322301 |
| 09 | Mtwara | 3 | Masasi | 231 | Nanjota | 02 | Nanjota Baharini | 557 | 28 | 09 | 093 | 093231 | 09323102 |
| 09 | Mtwara | 3 | Masasi | 241 | Mbuyuni | 03 | Mbuyuni Nambalapi | 580 | 29 | 09 | 093 | 093241 | 09324103 |
| 09 | Mtwara | 3 | Masasi | 263 | Namalenga | 01 | Msokosela Mchangani | 226 | 30 | 09 | 093 | 093263 | 09326301 |
| 09 | Mtwara | 3 | Masasi | 263 | Namalenga | 06 | Mvita Kazamoyo | 261 | 31 | 09 | 093 | 093263 | 09326306 |
| 09 | Mtwara | 3 | Masasi | 271 | Mkululu | 04 | Mkululu Mbalichila | 449 | 32 | 09 | 093 | 093271 | 09327104 |
| 09 | Mtwara | 3 | Masasi | 301 | Mchauru | 01 | Mwitika | 257 | 33 | 09 | 093 | 093301 | 09330101 |
| 09 | Mtwara | 3 | Masasi | 311 | Mnavira | 01 | Mnavira | 385 | 34 | 09 | 093 | 093311 | 09331101 |
| 09 | Mtwara | 3 | Masasi | 311 | Mnavira | 07 | Manyuli | 239 | 35 | 09 | 093 | 093311 | 09331107 |
| 09 | Mtwara | 3 | Masasi | 321 | Namajani | 02 | Mlingula Nyerere | 696 | 36 | 09 | 093 | 093321 | 09332102 |
| 09 | Mtwara | 3 | Masasi | 321 | Namajani | 05 | Masiku Tandika | 461 | 37 | 09 | 093 | 093321 | 09332105 |
| 09 | Mtwara | 3 | Masasi | 321 | Namajani | 07 | Chiroro Chimbo | 990 | 38 | 09 | 093 | 093321 | 09332107 |
| 09 | Mtwara | 3 | Masasi | 331 | Chipuputa | 05 | N/Nakatete | 601 | 39 | 09 | 093 | 093331 | 09333105 |
| 09 | Mtwara | 3 | Masasi | 341 | Sengenya | 05 | Sengenya Mnazimmoja | 555 | 40 | 09 | 093 | 093341 | 09334105 |
| | | | **Masasi Count** | | | | | | **40** | | | | |
| 09 | Mtwara | 4 | Tandahimba | 013 | Tandahimba | 02 | Malamba | 637 | 01 | 09 | 094 | 094013 | 09401302 |
| 09 | Mtwara | 4 | Tandahimba | 023 | Kitama | 03 | Ng'ongolo | 640 | 02 | 09 | 094 | 094023 | 09402303 |
| 09 | Mtwara | 4 | Tandahimba | 031 | Michenjele | 02 | Michenjele | 672 | 03 | 09 | 094 | 094031 | 09403102 |
| 09 | Mtwara | 4 | Tandahimba | 041 | Mihambwe | 02 | Kisangani | 371 | 04 | 09 | 094 | 094041 | 09404102 |
| 09 | Mtwara | 4 | Tandahimba | 041 | Mihambwe | 04 | Mihambwe | 781 | 05 | 09 | 094 | 094041 | 09404104 |
| 09 | Mtwara | 4 | Tandahimba | 051 | Mkoreha | 02 | Namunda | 520 | 06 | 09 | 094 | 094051 | 09405102 |
| 09 | Mtwara | 4 | Tandahimba | 061 | Maundo | 01 | Namahonga | 803 | 07 | 09 | 094 | 094061 | 09406101 |
| 09 | Mtwara | 4 | Tandahimba | 061 | Maundo | 03 | Kunandundu | 486 | 08 | 09 | 094 | 094061 | 09406103 |
| 09 | Mtwara | 4 | Tandahimba | 071 | Naputa | 03 | Mwangaza | 650 | 09 | 09 | 094 | 094071 | 09407103 |
| 09 | Mtwara | 4 | Tandahimba | 083 | Namikupa | 02 | Kwanyama | 617 | 10 | 09 | 094 | 094083 | 09408302 |
| 09 | Mtwara | 4 | Tandahimba | 091 | Mnyawa | 01 | Jangwani | 732 | 11 | 09 | 094 | 094091 | 09409101 |
| 09 | Mtwara | 4 | Tandahimba | 091 | Mnyawa | 04 | Mnyawa | 471 | 12 | 09 | 094 | 094091 | 09409104 |
| 09 | Mtwara | 4 | Tandahimba | 091 | Mnyawa | 07 | Pachani | 168 | 13 | 09 | 094 | 094091 | 09409107 |
| 09 | Mtwara | 4 | Tandahimba | 101 | Mkundi | 04 | Chitoholi | 414 | 14 | 09 | 094 | 094101 | 09410104 |
| 09 | Mtwara | 4 | Tandahimba | 111 | Lukokoda | 02 | Ghana juu/chini | 332 | 15 | 09 | 094 | 094111 | 09411102 |
| 09 | Mtwara | 4 | Tandahimba | 123 | Mahuta | 03 | Nakayaka | 282 | 16 | 09 | 094 | 094123 | 09412303 |
| 09 | Mtwara | 4 | Tandahimba | 133 | Nanhyanga | 03 | Dinduma Shuleni | 286 | 17 | 09 | 094 | 094133 | 09413303 |
| 09 | Mtwara | 4 | Tandahimba | 141 | Chingungwe | 01 | Kuchele | 495 | 18 | 09 | 094 | 094141 | 09414101 |
| 09 | Mtwara | 4 | Tandahimba | 141 | Chingungwe | 04 | Mkupete | 399 | 19 | 09 | 094 | 094141 | 09414104 |
| 09 | Mtwara | 4 | Tandahimba | 151 | Mdimba Mnyoma | 03 | Mndumbwe | 412 | 20 | 09 | 094 | 094151 | 09415103 |
| 09 | Mtwara | 4 | Tandahimba | 151 | Mdimba Mnyoma | 06 | Tukuru "B" | 714 | 21 | 09 | 094 | 094151 | 09415106 |
| 09 | Mtwara | 4 | Tandahimba | 161 | Milongodi | 01 | Namkomolela | 298 | 22 | 09 | 094 | 094161 | 09416101 |
| 09 | Mtwara | 4 | Tandahimba | 171 | Lyenje | 02 | Mwembe Mmoja | 430 | 23 | 09 | 094 | 094171 | 09417102 |
| 09 | Mtwara | 4 | Tandahimba | 171 | Lyenje | 05 | Mivanga | 481 | 24 | 09 | 094 | 094171 | 09417105 |
| 09 | Mtwara | 4 | Tandahimba | 181 | Chaume | 05 | Chaume | 756 | 25 | 09 | 094 | 094181 | 09418105 |
| 09 | Mtwara | 4 | Tandahimba | 191 | Mkonojowano | 03 | Chimbuko | 375 | 26 | 09 | 094 | 094191 | 09419103 |
| 09 | Mtwara | 4 | Tandahimba | 201 | Luagala | 04 | Litehu | 418 | 27 | 09 | 094 | 094201 | 09420104 |
| 09 | Mtwara | 4 | Tandahimba | 201 | Luagala | 06 | Mkola chini | 411 | 28 | 09 | 094 | 094201 | 09420106 |
| 09 | Mtwara | 4 | Tandahimba | 211 | Ngunja | 05 | Ngunja | 439 | 29 | 09 | 094 | 094211 | 09421105 |
| 09 | Mtwara | 4 | Tandahimba | 221 | Mkwiti | 02 | Mkwiti chini | 296 | 30 | 09 | 094 | 094221 | 09422102 |
| | | | **Tandahimba Count** | | | | | | **30** | | | | |
| 09 | Mtwara | 5 | Mtwara Urban | 033 | Likombe | 01 | Mtawanya Sokoni | 389 | 01 | 09 | 095 | 095033 | 09503301 |
| 09 | Mtwara | 5 | Mtwara Urban | 033 | Likombe | 02 | Mangamba Juu | 389 | 02 | 09 | 095 | 095033 | 09503302 |
| 09 | Mtwara | 5 | Mtwara Urban | 083 | Jangwani | 01 | Dimbuzi | 498 | 03 | 09 | 095 | 095083 | 09508301 |
| 09 | Mtwara | 5 | Mtwara Urban | 123 | Ufukoni | 01 | Pwani B | 754 | 04 | 09 | 095 | 095123 | 09512301 |
| 09 | Mtwara | 5 | Mtwara Urban | 123 | Ufukoni | 02 | Mkangala Kaskazini | 437 | 05 | 09 | 095 | 095123 | 09512302 |
| 09 | Mtwara | 5 | Mtwara Urban | 123 | Ufukoni | 03 | Mbae Mashariki | 422 | 06 | 09 | 095 | 095123 | 09512303 |
| | | | **Mtwara Urban Count** | | | | | | **06** | | | | |
| | Mtwara Count | | | | | | | | 136 | | | | |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Ruvuma | 1 | Tunduru | 011 | Kalulu | 03 | Kajima | 250 | 01 | 10 | 101 | 101011 | 10101103 |
| 10 | Ruvuma | 1 | Tunduru | 021 | Ligunga | 03 | Ligunga | 724 | 02 | 10 | 101 | 101021 | 10102103 |
| 10 | Ruvuma | 1 | Tunduru | 033 | M/Mashariki | 04 | Sisi kwa sisi | 430 | 03 | 10 | 101 | 101033 | 10103304 |
| 10 | Ruvuma | 1 | Tunduru | 041 | Mindu | 03 | Mtonya | 444 | 04 | 10 | 101 | 101041 | 10104103 |
| 10 | Ruvuma | 1 | Tunduru | 051 | Ngapa | 01 | Ngapa | 353 | 05 | 10 | 101 | 101051 | 10105101 |
| 10 | Ruvuma | 1 | Tunduru | 061 | Nakapanya | 01 | Nakapanya | 569 | 06 | 10 | 101 | 101061 | 10106101 |
| 10 | Ruvuma | 1 | Tunduru | 071 | Muhuwesi | 01 | Majimaji | 618 | 07 | 10 | 101 | 101071 | 10107101 |
| 10 | Ruvuma | 1 | Tunduru | 071 | Muhuwesi | 02 | Muhuwesi | 967 | 08 | 10 | 101 | 101071 | 10107102 |
| 10 | Ruvuma | 1 | Tunduru | 071 | Muhuwesi | 03 | Msagula | 964 | 09 | 10 | 101 | 101071 | 10107103 |
| 10 | Ruvuma | 1 | Tunduru | 081 | Tuwemacho | 04 | Nasya | 280 | 10 | 10 | 101 | 101081 | 10108104 |
| 10 | Ruvuma | 1 | Tunduru | 091 | Ligoma | 05 | Ligoma | 301 | 11 | 10 | 101 | 101091 | 10109105 |
| 10 | Ruvuma | 1 | Tunduru | 101 | Misechela | 04 | Chiungo | 273 | 12 | 10 | 101 | 101101 | 10110104 |
| 10 | Ruvuma | 1 | Tunduru | 111 | Namasakata | 04 | Amani | 647 | 13 | 10 | 101 | 101111 | 10111104 |
| 10 | Ruvuma | 1 | Tunduru | 121 | Mtina | 02 | Semeni | 406 | 14 | 10 | 101 | 101121 | 10112102 |
| 10 | Ruvuma | 1 | Tunduru | 131 | Mchesi | 01 | Mwenge | 284 | 15 | 10 | 101 | 101131 | 10113101 |
| 10 | Ruvuma | 1 | Tunduru | 141 | Lukumbule | 01 | Imani | 096 | 16 | 10 | 101 | 101141 | 10114101 |
| 10 | Ruvuma | 1 | Tunduru | 151 | Nalasi | 02 | Lipepo | 344 | 17 | 10 | 101 | 101151 | 10115102 |
| 10 | Ruvuma | 1 | Tunduru | 151 | Nalasi | 05 | Wenje | 399 | 18 | 10 | 101 | 101151 | 10115105 |
| 10 | Ruvuma | 1 | Tunduru | 161 | Mchoteka | 03 | Mchoteka | 449 | 19 | 10 | 101 | 101161 | 10116103 |
| 10 | Ruvuma | 1 | Tunduru | 161 | Mchoteka | 06 | Njenga | 335 | 20 | 10 | 101 | 101161 | 10116106 |
| 10 | Ruvuma | 1 | Tunduru | 171 | Marumba | 03 | Mbati | 701 | 21 | 10 | 101 | 101171 | 10117103 |
| 10 | Ruvuma | 1 | Tunduru | 171 | Marumba | 06 | Marumba | 400 | 22 | 10 | 101 | 101171 | 10117106 |
| 10 | Ruvuma | 1 | Tunduru | 181 | Mbesa | 04 | Lijombo | 158 | 23 | 10 | 101 | 101181 | 10118104 |
| 10 | Ruvuma | 1 | Tunduru | 193 | Mlingoti Magharibi | 01 | Kitanda | 348 | 24 | 10 | 101 | 101193 | 10119301 |
| 10 | Ruvuma | 1 | Tunduru | 193 | Mlingoti Magharibi | 04 | Kangomba | 1195 | 25 | 10 | 101 | 101193 | 10119304 |
| 10 | Ruvuma | 1 | Tunduru | 201 | Kidodoma | 04 | Kidodoma | 363 | 26 | 10 | 101 | 101201 | 10120104 |
| 10 | Ruvuma | 1 | Tunduru | 211 | Nandembo | 05 | Amka | 324 | 27 | 10 | 101 | 101211 | 10121105 |
| 10 | Ruvuma | 1 | Tunduru | 221 | Nampungu | 03 | Mbatamila | 308 | 28 | 10 | 101 | 101221 | 10122103 |
| 10 | Ruvuma | 1 | Tunduru | 231 | Matemanga | 05 | Milonde | 214 | 29 | 10 | 101 | 101231 | 10123105 |
| 10 | Ruvuma | 1 | Tunduru | 241 | Namwinyu | 04 | Namakungwa | 353 | 30 | 10 | 101 | 101241 | 10124104 |
| | | | **Tunduru Count** | | | | | | **30** | | | | |
| 10 | Ruvuma | 2 | Songea Rural | 011 | Wino | 03 | Lilondo | 647 | 01 | 10 | 102 | 102011 | 10201103 |
| 10 | Ruvuma | 2 | Songea Rural | 011 | Wino | 04 | Matetereka | 381 | 02 | 10 | 102 | 102011 | 10201104 |
| 10 | Ruvuma | 2 | Songea Rural | 021 | Ndongosi | 02 | Ndongosi | 329 | 03 | 10 | 102 | 102021 | 10202102 |
| 10 | Ruvuma | 2 | Songea Rural | 041 | Tanga | 01 | Kituro | 466 | 04 | 10 | 102 | 102041 | 10204101 |
| 10 | Ruvuma | 2 | Songea Rural | 041 | Tanga | 04 | Tanga | 693 | 05 | 10 | 102 | 102041 | 10204104 |
| 10 | Ruvuma | 2 | Songea Rural | 041 | Tanga | 06 | Mlete | 397 | 06 | 10 | 102 | 102041 | 10204106 |
| 10 | Ruvuma | 2 | Songea Rural | 051 | Gumbiro | 03 | Gumbiro | 326 | 07 | 10 | 102 | 102051 | 10205103 |
| 10 | Ruvuma | 2 | Songea Rural | 051 | Gumbiro | 05 | Luhimba | 428 | 08 | 10 | 102 | 102051 | 10205105 |
| 10 | Ruvuma | 2 | Songea Rural | 061 | Mpitimbi | 01 | Mpitimbi 'A' | 651 | 09 | 10 | 102 | 102061 | 10206101 |
| 10 | Ruvuma | 2 | Songea Rural | 061 | Mpitimbi | 03 | Lyangweni | 315 | 10 | 10 | 102 | 102061 | 10206103 |
| 10 | Ruvuma | 2 | Songea Rural | 061 | Mpitimbi | 05 | Lipaya | 470 | 11 | 10 | 102 | 102061 | 10206105 |
| 10 | Ruvuma | 2 | Songea Rural | 071 | Muhukuru | 02 | Muhukuru | 594 | 12 | 10 | 102 | 102071 | 10207102 |
| 10 | Ruvuma | 2 | Songea Rural | 071 | Muhukuru | 04 | Magwamila | 165 | 13 | 10 | 102 | 102071 | 10207104 |
| 10 | Ruvuma | 2 | Songea Rural | 081 | Magagura | 03 | Mbinga Mhalule | 360 | 14 | 10 | 102 | 102081 | 10208103 |
| 10 | Ruvuma | 2 | Songea Rural | 081 | Magagura | 05 | Ngahokora | 494 | 15 | 10 | 102 | 102081 | 10208105 |
| 10 | Ruvuma | 2 | Songea Rural | 081 | Magagura | 08 | Lusonga | 459 | 16 | 10 | 102 | 102081 | 10208108 |
| 10 | Ruvuma | 2 | Songea Rural | 091 | Litisha | 01 | Liganga | 501 | 17 | 10 | 102 | 102091 | 10209101 |
| 10 | Ruvuma | 2 | Songea Rural | 091 | Litisha | 03 | Nakahuga | 475 | 18 | 10 | 102 | 102091 | 10209103 |
| 10 | Ruvuma | 2 | Songea Rural | 091 | Litisha | 05 | Magina | 299 | 19 | 10 | 102 | 102091 | 10209105 |
| 10 | Ruvuma | 2 | Songea Rural | 101 | Kilagano | 03 | Mgazini | 631 | 20 | 10 | 102 | 102101 | 10210103 |
| 10 | Ruvuma | 2 | Songea Rural | 101 | Kilagano | 05 | Lugagara | 279 | 21 | 10 | 102 | 102101 | 10210105 |
| 10 | Ruvuma | 2 | Songea Rural | 113 | Maposeni | 04 | Mdunduwalo | 357 | 22 | 10 | 102 | 102113 | 10211304 |
| 10 | Ruvuma | 2 | Songea Rural | 121 | Lilambo | 01 | Sinai | 460 | 23 | 10 | 102 | 102121 | 10212101 |
| 10 | Ruvuma | 2 | Songea Rural | 121 | Lilambo | 02 | Likuyufusi | 519 | 24 | 10 | 102 | 102121 | 10212102 |
| 10 | Ruvuma | 2 | Songea Rural | 121 | Lilambo | 04 | Mwanamonga | 272 | 25 | 10 | 102 | 102121 | 10212104 |
| 10 | Ruvuma | 2 | Songea Rural | 133 | Mahanje | 02 | Madaba | 802 | 26 | 10 | 102 | 102133 | 10213302 |
| 10 | Ruvuma | 2 | Songea Rural | 133 | Mahanje | 03 | Mkongotema | 619 | 27 | 10 | 102 | 102133 | 10213303 |
| | | | **Songea Rural Count** | | | | | | **27** | | | | |
| 10 | Ruvuma | 3 | Mbinga | 011 | Ruanda | 03 | Paradiso | 167 | 01 | 10 | 103 | 103011 | 10301103 |
| 10 | Ruvuma | 3 | Mbinga | 033 | Kigonsera | 02 | Litorongi | 343 | 02 | 10 | 103 | 103033 | 10303302 |
| 10 | Ruvuma | 3 | Mbinga | 033 | Kigonsera | 06 | Amani Makoro | 299 | 03 | 10 | 103 | 103033 | 10303306 |
| 10 | Ruvuma | 3 | Mbinga | 041 | Kihangi Mahuka | 04 | Lipumba | 515 | 04 | 10 | 103 | 103041 | 10304104 |
| 10 | Ruvuma | 3 | Mbinga | 051 | Utiri | 04 | Kitanda | 526 | 05 | 10 | 103 | 103051 | 10305104 |
| 10 | Ruvuma | 3 | Mbinga | 063 | Mbinga Urban | 02 | Ruhuwiko | 683 | 06 | 10 | 103 | 103063 | 10306302 |
| 10 | Ruvuma | 3 | Mbinga | 071 | Kilimani | 03 | Kilimani | 547 | 07 | 10 | 103 | 103071 | 10307103 |
| 10 | Ruvuma | 3 | Mbinga | 081 | Mbangamao | 03 | Maganagana | 216 | 08 | 10 | 103 | 103081 | 10308103 |
| 10 | Ruvuma | 3 | Mbinga | 081 | Mbangamao | 08 | Njoomlole | 158 | 09 | 10 | 103 | 103081 | 10308108 |
| 10 | Ruvuma | 3 | Mbinga | 091 | Liparamba | 04 | Mitomoni | 266 | 10 | 10 | 103 | 103091 | 10309104 |
| 10 | Ruvuma | 3 | Mbinga | 103 | Tingi | 06 | Mpepo | 662 | 11 | 10 | 103 | 103103 | 10310306 |
| 10 | Ruvuma | 3 | Mbinga | 111 | Chiwanda | 04 | Mtupale | 298 | 12 | 10 | 103 | 103111 | 10311104 |
| 10 | Ruvuma | 3 | Mbinga | 133 | Mbamba bay | 01 | Mbamba bay | 184 | 13 | 10 | 103 | 103133 | 10313301 |
| 10 | Ruvuma | 3 | Mbinga | 141 | Kingerikiti | 02 | Luhangarasi | 535 | 14 | 10 | 103 | 103141 | 10314102 |
| 10 | Ruvuma | 3 | Mbinga | 141 | Kingerikiti | 06 | Lumecha | 321 | 15 | 10 | 103 | 103141 | 10314106 |
| 10 | Ruvuma | 3 | Mbinga | 151 | Nyoni | 02 | Likwela | 294 | 16 | 10 | 103 | 103151 | 10315102 |
| 10 | Ruvuma | 3 | Mbinga | 161 | Lipingo | 03 | Lipingo | 485 | 17 | 10 | 103 | 103161 | 10316103 |
| 10 | Ruvuma | 3 | Mbinga | 173 | Maguu | 04 | Maguu | 651 | 18 | 10 | 103 | 103173 | 10317304 |
| 10 | Ruvuma | 3 | Mbinga | 173 | Maguu | 07 | Mapera | 660 | 19 | 10 | 103 | 103173 | 10317307 |
| 10 | Ruvuma | 3 | Mbinga | 183 | Liuli | 03 | Liuli | 251 | 20 | 10 | 103 | 103183 | 10318303 |
| 10 | Ruvuma | 3 | Mbinga | 191 | Kihagara | 03 | Mango | 407 | 21 | 10 | 103 | 103191 | 10319103 |
| 10 | Ruvuma | 3 | Mbinga | 201 | Mikalanga | 03 | Ugano | 470 | 22 | 10 | 103 | 103201 | 10320103 |
| 10 | Ruvuma | 3 | Mbinga | 211 | Langiro | 02 | Kipapa | 582 | 23 | 10 | 103 | 103211 | 10321102 |
| 10 | Ruvuma | 3 | Mbinga | 211 | Langiro | 06 | Langiro Asili | 327 | 24 | 10 | 103 | 103211 | 10321106 |
| 10 | Ruvuma | 3 | Mbinga | 221 | Mbuji | 02 | Kilanga Juu | 449 | 25 | 10 | 103 | 103221 | 10322102 |
| 10 | Ruvuma | 3 | Mbinga | 231 | Litembo | 04 | Mahenge | 392 | 26 | 10 | 103 | 103231 | 10323104 |
| 10 | Ruvuma | 3 | Mbinga | 241 | Ngima | 02 | Unango | 525 | 27 | 10 | 103 | 103241 | 10324102 |
| 10 | Ruvuma | 3 | Mbinga | 251 | Myangayanga | 03 | Myangayanga | 285 | 28 | 10 | 103 | 103251 | 10325103 |
| 10 | Ruvuma | 3 | Mbinga | 251 | Myangayanga | 07 | Tukuzi | 415 | 29 | 10 | 103 | 103251 | 10325107 |
| 10 | Ruvuma | 3 | Mbinga | 261 | Mkumbi | 04 | Longa | 626 | 30 | 10 | 103 | 103261 | 10326104 |
| 10 | Ruvuma | 3 | Mbinga | 271 | Linda | 05 | Ndembo | 391 | 31 | 10 | 103 | 103271 | 10327105 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Ruvuma | 3 | Mbinga | 283 | Matiri | 03 | Kiyaha | 372 | 32 | 10 | 103 | 103283 | 10328303 |
| 10 | Ruvuma | 3 | Mbinga | 291 | Ukata | 01 | Litoho | 478 | 33 | 10 | 103 | 103291 | 10329101 |
| 10 | Ruvuma | 3 | Mbinga | 301 | Ngumbo | 01 | Ndonga | 227 | 34 | 10 | 103 | 103301 | 10330101 |
| 10 | Ruvuma | 3 | Mbinga | 311 | Mbaha | 02 | Mbaha | 418 | 35 | 10 | 103 | 103311 | 10331102 |
| 10 | Ruvuma | 3 | Mbinga | 321 | Ndongosi | 03 | Ndongosi | 178 | 36 | 10 | 103 | 103321 | 10332103 |
| 10 | Ruvuma | 3 | Mbinga | 331 | Mpepai | 05 | Lipembe | 230 | 37 | 10 | 103 | 103331 | 10333105 |
| 10 | Ruvuma | 3 | Mbinga | 341 | Kilosa | 04 | Ruhekei | 251 | 38 | 10 | 103 | 103341 | 10334104 |
| 10 | Ruvuma | 3 | Mbinga | 351 | Mpapa | 05 | mitanga | 117 | 39 | 10 | 103 | 103351 | 10335105 |
| 10 | Ruvuma | 3 | Mbinga | 371 | Lituhi | 01 | Lituhi | 746 | 40 | 10 | 103 | 103371 | 10337101 |
| | | | **Mbinga Count** | | | | | | **40** | | | | |
| 10 | Ruvuma | 4 | Songea Urban | 053 | Lizaboni | 01 | London "A & B" | 203 | 01 | 10 | 104 | 104053 | 10405301 |
| 10 | Ruvuma | 4 | Songea Urban | 083 | Matogoro | 01 | Mahilo | 157 | 02 | 10 | 104 | 104083 | 10408301 |
| 10 | Ruvuma | 4 | Songea Urban | 083 | Matogoro | 02 | Ndilimalitembo | 274 | 03 | 10 | 104 | 104083 | 10408302 |
| 10 | Ruvuma | 4 | Songea Urban | 093 | Ruvuma | 01 | Ruvuma juu | 233 | 04 | 10 | 104 | 104093 | 10409301 |
| 10 | Ruvuma | 4 | Songea Urban | 101 | Subira | 01 | Rupapila | 409 | 05 | 10 | 104 | 104101 | 10410101 |
| 10 | Ruvuma | 4 | Songea Urban | 101 | Subira | 02 | Matetera | 400 | 06 | 10 | 104 | 104101 | 10410102 |
| 10 | Ruvuma | 4 | Songea Urban | 101 | Subira | 03 | Kisiwani | 496 | 07 | 10 | 104 | 104101 | 10410103 |
| 10 | Ruvuma | 4 | Songea Urban | 111 | Ruhuwiko | 01 | Ruhuwiko | 338 | 08 | 10 | 104 | 104111 | 10411101 |
| 10 | Ruvuma | 4 | Songea Urban | 111 | Ruhuwiko | 02 | Namanditi "B" | 255 | 09 | 10 | 104 | 104111 | 10411102 |
| 10 | Ruvuma | 4 | Songea Urban | 111 | Ruhuwiko | 03 | Mwengemshindo | 377 | 10 | 10 | 104 | 104111 | 10411103 |
| 10 | Ruvuma | 4 | Songea Urban | 111 | Ruhuwiko | 04 | Kiyogowale | 206 | 11 | 10 | 104 | 104111 | 10411104 |
| 10 | Ruvuma | 4 | Songea Urban | 123 | Mshangano | 01 | Chandalua | 393 | 12 | 10 | 104 | 104123 | 10412301 |
| 10 | Ruvuma | 4 | Songea Urban | 123 | Mshangano | 02 | Mshangano | 416 | 13 | 10 | 104 | 104123 | 10412302 |
| 10 | Ruvuma | 4 | Songea Urban | 123 | Mshangano | 03 | Msamala | 233 | 14 | 10 | 104 | 104123 | 10412303 |
| 10 | Ruvuma | 4 | Songea Urban | 131 | Mletele | 01 | Mletele | 621 | 15 | 10 | 104 | 104131 | 10413101 |
| 10 | Ruvuma | 4 | Songea Urban | 131 | Mletele | 02 | Luhira seko | 470 | 16 | 10 | 104 | 104131 | 10413102 |
| 10 | Ruvuma | 4 | Songea Urban | 131 | Mletele | 03 | Unangwa | 227 | 17 | 10 | 104 | 104131 | 10413103 |
| | | | **Songea Urban Count** | | | | | | **17** | | | | |
| 10 | Ruvuma | 5 | Namtumbo | 011 | Matimira | 02 | Mpangula | 148 | 01 | 10 | 105 | 105011 | 10501102 |
| 10 | Ruvuma | 5 | Namtumbo | 011 | Matimira | 04 | Kikunja | 190 | 02 | 10 | 105 | 105011 | 10501104 |
| 10 | Ruvuma | 5 | Namtumbo | 021 | Mkongo | 03 | Mwangaza | 338 | 03 | 10 | 105 | 105021 | 10502103 |
| 10 | Ruvuma | 5 | Namtumbo | 021 | Mkongo | 05 | Njalamata | 408 | 04 | 10 | 105 | 105021 | 10502105 |
| 10 | Ruvuma | 5 | Namtumbo | 031 | Ligera | 03 | Ligera | 502 | 05 | 10 | 105 | 105031 | 10503103 |
| 10 | Ruvuma | 5 | Namtumbo | 031 | Ligera | 06 | Mtelawamwahi | 232 | 06 | 10 | 105 | 105031 | 10503106 |
| 10 | Ruvuma | 5 | Namtumbo | 041 | Lusewa | 02 | Lusewa | 903 | 07 | 10 | 105 | 105041 | 10504102 |
| 10 | Ruvuma | 5 | Namtumbo | 041 | Lusewa | 04 | Matepwende | 245 | 08 | 10 | 105 | 105041 | 10504104 |
| 10 | Ruvuma | 5 | Namtumbo | 051 | Magazini | 02 | Likusanguse | 336 | 09 | 10 | 105 | 105051 | 10505102 |
| 10 | Ruvuma | 5 | Namtumbo | 061 | Msindo | 01 | Mageuzi | 486 | 10 | 10 | 105 | 105061 | 10506101 |
| 10 | Ruvuma | 5 | Namtumbo | 061 | Msindo | 04 | Hanga | 739 | 11 | 10 | 105 | 105061 | 10506104 |
| 10 | Ruvuma | 5 | Namtumbo | 061 | Msindo | 05 | Msindo | 421 | 12 | 10 | 105 | 105061 | 10506105 |
| 10 | Ruvuma | 5 | Namtumbo | 071 | Luchili | 02 | Mkongo Gulioni | 571 | 13 | 10 | 105 | 105071 | 10507102 |
| 10 | Ruvuma | 5 | Namtumbo | 071 | Luchili | 04 | Namanguli | 543 | 14 | 10 | 105 | 105071 | 10507104 |
| 10 | Ruvuma | 5 | Namtumbo | 081 | Namabengo | 01 | Mdwema | 252 | 15 | 10 | 105 | 105081 | 10508101 |
| 10 | Ruvuma | 5 | Namtumbo | 081 | Namabengo | 03 | Namabengo | 842 | 16 | 10 | 105 | 105081 | 10508103 |
| 10 | Ruvuma | 5 | Namtumbo | 091 | Kitanda | 01 | Kitanda | 604 | 17 | 10 | 105 | 105091 | 10509101 |
| 10 | Ruvuma | 5 | Namtumbo | 091 | Kitanda | 03 | Naikesi | 654 | 18 | 10 | 105 | 105091 | 10509103 |
| 10 | Ruvuma | 5 | Namtumbo | 101 | Luegu | 01 | Nahoro | 415 | 19 | 10 | 105 | 105101 | 10510101 |
| 10 | Ruvuma | 5 | Namtumbo | 101 | Luegu | 02 | Luegu | 684 | 20 | 10 | 105 | 105101 | 10510102 |
| 10 | Ruvuma | 5 | Namtumbo | 101 | Luegu | 05 | Litola | 460 | 21 | 10 | 105 | 105101 | 10510105 |
| 10 | Ruvuma | 5 | Namtumbo | 101 | Luegu | 07 | Kumbara | 398 | 22 | 10 | 105 | 105101 | 10510107 |
| 10 | Ruvuma | 5 | Namtumbo | 113 | Namtumbo | 02 | Suluti | 939 | 23 | 10 | 105 | 105113 | 10511302 |
| 10 | Ruvuma | 5 | Namtumbo | 113 | Namtumbo | 05 | Songambele | 148 | 24 | 10 | 105 | 105113 | 10511305 |
| 10 | Ruvuma | 5 | Namtumbo | 121 | Mgombasi | 01 | Nambecha | 395 | 25 | 10 | 105 | 105121 | 10512101 |
| 10 | Ruvuma | 5 | Namtumbo | 121 | Mgombasi | 03 | Mtonya | 380 | 26 | 10 | 105 | 105121 | 10512103 |
| 10 | Ruvuma | 5 | Namtumbo | 133 | Rwinga | 01 | Minazini | 092 | 27 | 10 | 105 | 105133 | 10513301 |
| | | | **Namtumbo Count** | | | | | | **27** | | | | |
| | **Ruvuma Count** | | | | | | | | 141 | | | | |
| 11 | Iringa | 1 | Iringa Rural | 011 | Kalenga | 01 | Mkoga | 245 | 01 | 11 | 111 | 111011 | 11101101 |
| 11 | Iringa | 1 | Iringa Rural | 021 | Kiwere | 02 | Mfyome | 520 | 02 | 11 | 111 | 111021 | 11102102 |
| 11 | Iringa | 1 | Iringa Rural | 021 | Kiwere | 05 | Mgongo | 720 | 03 | 11 | 111 | 111021 | 11102105 |
| 11 | Iringa | 1 | Iringa Rural | 031 | Nzihi | 03 | Nzihi | 782 | 04 | 11 | 111 | 111031 | 11103103 |
| 11 | Iringa | 1 | Iringa Rural | 031 | Nzihi | 05 | Ilalasimba | 293 | 05 | 11 | 111 | 111031 | 11103105 |
| 11 | Iringa | 1 | Iringa Rural | 041 | Ulanda | 02 | Ibangamoyo | 461 | 06 | 11 | 111 | 111041 | 11104102 |
| 11 | Iringa | 1 | Iringa Rural | 053 | Mseke | 01 | Kaning'ombe | 858 | 07 | 11 | 111 | 111053 | 11105301 |
| 11 | Iringa | 1 | Iringa Rural | 053 | Mseke | 04 | Ugwachanya | 765 | 08 | 11 | 111 | 111053 | 11105304 |
| 11 | Iringa | 1 | Iringa Rural | 061 | Magulilwa | 02 | Ng'enza - Lutengelo | 616 | 09 | 11 | 111 | 111061 | 11106102 |
| 11 | Iringa | 1 | Iringa Rural | 061 | Magulilwa | 05 | Tagamenda - Lufita | 752 | 10 | 11 | 111 | 111061 | 11106105 |
| 11 | Iringa | 1 | Iringa Rural | 061 | Magulilwa | 08 | Ndiwili - Matema | 333 | 11 | 11 | 111 | 111061 | 11106108 |
| 11 | Iringa | 1 | Iringa Rural | 071 | Mgama | 03 | Ilandutwa | 551 | 12 | 11 | 111 | 111071 | 11107103 |
| 11 | Iringa | 1 | Iringa Rural | 071 | Mgama | 06 | Ihemi | 416 | 13 | 11 | 111 | 111071 | 11107106 |
| 11 | Iringa | 1 | Iringa Rural | 081 | Ifunda | 01 | Ifunda | 906 | 14 | 11 | 111 | 111081 | 11108101 |
| 11 | Iringa | 1 | Iringa Rural | 081 | Ifunda | 04 | Kibena | 381 | 15 | 11 | 111 | 111081 | 11108104 |
| 11 | Iringa | 1 | Iringa Rural | 091 | Lumuli | 03 | Lumuli | 520 | 16 | 11 | 111 | 111091 | 11109103 |
| 11 | Iringa | 1 | Iringa Rural | 101 | Maboga | 02 | Igangidung'u - Mang'ula | 304 | 17 | 11 | 111 | 111101 | 11110102 |
| 11 | Iringa | 1 | Iringa Rural | 101 | Maboga | 06 | Makombe - Shuleni,Ihan | 211 | 18 | 11 | 111 | 111101 | 11110106 |
| 11 | Iringa | 1 | Iringa Rural | 111 | Wasa | 04 | Ikungwe - Tambalang'on | 358 | 19 | 11 | 111 | 111111 | 11111104 |
| 11 | Iringa | 1 | Iringa Rural | 121 | Mahuninga | 02 | Mahuninga | 696 | 20 | 11 | 111 | 111121 | 11112102 |
| 11 | Iringa | 1 | Iringa Rural | 131 | Idodi | 02 | Mapogoro | 566 | 21 | 11 | 111 | 111131 | 11113102 |
| 11 | Iringa | 1 | Iringa Rural | 141 | Mlowa | 02 | Malinzanga - Mlowa | 1133 | 22 | 11 | 111 | 111141 | 11114102 |
| 11 | Iringa | 1 | Iringa Rural | 151 | Itunundu | 01 | Mbuyuni | 235 | 23 | 11 | 111 | 111151 | 11115101 |
| 11 | Iringa | 1 | Iringa Rural | 151 | Itunundu | 05 | Itunundu | 545 | 24 | 11 | 111 | 111151 | 11115105 |
| 11 | Iringa | 1 | Iringa Rural | 161 | Ilolompya | 04 | Luganga | 344 | 25 | 11 | 111 | 111161 | 11116104 |
| 11 | Iringa | 1 | Iringa Rural | 171 | Nduli | 05 | Kigonzile | 388 | 26 | 11 | 111 | 111171 | 11117105 |
| 11 | Iringa | 1 | Iringa Rural | 171 | Nduli | 08 | Kisunga | 299 | 27 | 11 | 111 | 111171 | 11117108 |
| 11 | Iringa | 1 | Iringa Rural | 181 | Kihorogota | 03 | Mangawe | 522 | 28 | 11 | 111 | 111181 | 11118103 |
| 11 | Iringa | 1 | Iringa Rural | 181 | Kihorogota | 09 | Ndolela | 331 | 29 | 11 | 111 | 111181 | 11118109 |
| 11 | Iringa | 1 | Iringa Rural | 193 | Izazi | 03 | Makotopora | 364 | 30 | 11 | 111 | 111193 | 11119303 |
| | | | Iringa Rural Count | | | | | | 30 | | | | |
| 11 | Iringa | 2 | Mufindi | 011 | Kiyowela | 04 | Idete | 329 | 01 | 11 | 112 | 112011 | 11201104 |
| 11 | Iringa | 2 | Mufindi | 031 | Mninga | 03 | Mninga | 1390 | 02 | 11 | 112 | 112031 | 11203103 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Iringa | 2 | Mufindi | 031 | Mninga | 04 | Mkalala | 397 | 03 | 11 | 112 | 112031 | 11203104 |
| 11 | Iringa | 2 | Mufindi | 041 | Kasanga | 02 | Ihomasa | 489 | 04 | 11 | 112 | 112041 | 11204102 |
| 11 | Iringa | 2 | Mufindi | 053 | Igowole | 02 | Ibatu | 228 | 05 | 11 | 112 | 112053 | 11205302 |
| 11 | Iringa | 2 | Mufindi | 061 | Mtambula | 03 | Ipilimo | 433 | 06 | 11 | 112 | 112061 | 11206103 |
| 11 | Iringa | 2 | Mufindi | 071 | Itandula | 03 | Nyigo | 358 | 07 | 11 | 112 | 112071 | 11207103 |
| 11 | Iringa | 2 | Mufindi | 081 | Mbalamaziwa | 02 | Kitelewasi | 258 | 08 | 11 | 112 | 112081 | 11208102 |
| 11 | Iringa | 2 | Mufindi | 091 | Idunda | 01 | Idumilavanu | 409 | 09 | 11 | 112 | 112091 | 11209101 |
| 11 | Iringa | 2 | Mufindi | 103 | Malangali | 04 | Tambalang'ombe | 383 | 10 | 11 | 112 | 112103 | 11210304 |
| 11 | Iringa | 2 | Mufindi | 121 | Ihowanza | 01 | Kwatwanga | 238 | 11 | 11 | 112 | 112121 | 11212101 |
| 11 | Iringa | 2 | Mufindi | 131 | Ikweha | 01 | Ikweha | 462 | 12 | 11 | 112 | 112131 | 11213101 |
| 11 | Iringa | 2 | Mufindi | 141 | Sadani | 01 | Ihatuzwa | 209 | 13 | 11 | 112 | 112141 | 11214101 |
| 11 | Iringa | 2 | Mufindi | 151 | Igombavanu | 01 | Mapogoro | 427 | 14 | 11 | 112 | 112151 | 11215101 |
| 11 | Iringa | 2 | Mufindi | 161 | Bumilanga | 02 | Bumilayinga | 292 | 15 | 11 | 112 | 112161 | 11216102 |
| 11 | Iringa | 2 | Mufindi | 173 | Mafinga | 03 | Ndolezi | 167 | 16 | 11 | 112 | 112173 | 11217303 |
| 11 | Iringa | 2 | Mufindi | 173 | Mafinga | 05 | Luganga | 798 | 17 | 11 | 112 | 112173 | 11217305 |
| 11 | Iringa | 2 | Mufindi | 181 | Isalavanu | 03 | Kikombo | 536 | 18 | 11 | 112 | 112181 | 11218103 |
| 11 | Iringa | 2 | Mufindi | 191 | Rungemba | 03 | Itimbo | 407 | 19 | 11 | 112 | 112191 | 11219103 |
| 11 | Iringa | 2 | Mufindi | 201 | Ifwagi | 04 | Ifwagi | 479 | 20 | 11 | 112 | 112201 | 11220104 |
| 11 | Iringa | 2 | Mufindi | 201 | Ifwagi | 06 | Itona Estate | 705 | 21 | 11 | 112 | 112201 | 11220106 |
| 11 | Iringa | 2 | Mufindi | 211 | Mdabulo | 03 | Ikanga | 305 | 22 | 11 | 112 | 112211 | 11221103 |
| 11 | Iringa | 2 | Mufindi | 221 | Ihalimba | 03 | Wami | 307 | 23 | 11 | 112 | 112221 | 11222103 |
| 11 | Iringa | 2 | Mufindi | 231 | Kibengu | 02 | Usokami | 418 | 24 | 11 | 112 | 112231 | 11223102 |
| 11 | Iringa | 2 | Mufindi | 231 | Kibengu | 06 | Kipanga | 450 | 25 | 11 | 112 | 112231 | 11223106 |
| 11 | Iringa | 2 | Mufindi | 241 | Mapanda | 04 | Ukami | 469 | 26 | 11 | 112 | 112241 | 11224104 |
| 11 | Iringa | 2 | Mufindi | 261 | Ihanu | 05 | Ibwanzi | 310 | 27 | 11 | 112 | 112261 | 11226105 |
| 11 | Iringa | 2 | Mufindi | 271 | Luhunga | 04 | Lupeme Tea Estate | 565 | 28 | 11 | 112 | 112271 | 11227104 |
| 11 | Iringa | 2 | Mufindi | 283 | Mtwango | 02 | Sawala | 735 | 29 | 11 | 112 | 112283 | 11228302 |
| 11 | Iringa | 2 | Mufindi | 283 | Mtwango | 05 | Mtwango | 1667 | 30 | 11 | 112 | 112283 | 11228305 |
| | | | **Mufindi Count** | | | | | | **30** | | | | |
| 11 | Iringa | 3 | Njombe | 013 | Njombe Mjini | 01 | Itulike | 672 | 01 | 11 | 113 | 113013 | 11301301 |
| 11 | Iringa | 3 | Njombe | 021 | Imalinyi | 01 | Igagala | 702 | 02 | 11 | 113 | 113021 | 11302101 |
| 11 | Iringa | 3 | Njombe | 021 | Imalinyi | 04 | Imalinyi | 875 | 03 | 11 | 113 | 113021 | 11302104 |
| 11 | Iringa | 3 | Njombe | 021 | Imalinyi | 07 | Kidugala | 663 | 04 | 11 | 113 | 113021 | 11302107 |
| 11 | Iringa | 3 | Njombe | 031 | Igosi | 03 | Utelewe | 782 | 05 | 11 | 113 | 113031 | 11303103 |
| 11 | Iringa | 3 | Njombe | 031 | Igosi | 08 | Moronga | 478 | 06 | 11 | 113 | 113031 | 11303108 |
| 11 | Iringa | 3 | Njombe | 031 | Igosi | 12 | Makoga | 390 | 07 | 11 | 113 | 113031 | 11303112 |
| 11 | Iringa | 3 | Njombe | 051 | Wanging'ombe | 02 | Mng'elenge | 378 | 08 | 11 | 113 | 113051 | 11305102 |
| 11 | Iringa | 3 | Njombe | 051 | Wanging'ombe | 07 | Lyadembwe | 354 | 09 | 11 | 113 | 113051 | 11305107 |
| 11 | Iringa | 3 | Njombe | 061 | Saja | 01 | Isimike | 330 | 10 | 11 | 113 | 113061 | 11306101 |
| 11 | Iringa | 3 | Njombe | 061 | Saja | 06 | Saja | 630 | 11 | 11 | 113 | 113061 | 11306106 |
| 11 | Iringa | 3 | Njombe | 073 | Ilembula | 07 | Igelango | 199 | 12 | 11 | 113 | 113073 | 11307307 |
| 11 | Iringa | 3 | Njombe | 073 | Ilembula | 14 | Iponda | 160 | 13 | 11 | 113 | 113073 | 11307314 |
| 11 | Iringa | 3 | Njombe | 081 | Luduga | 02 | Hanjawamu | 840 | 14 | 11 | 113 | 113081 | 11308102 |
| 11 | Iringa | 3 | Njombe | 093 | Makambako | 02 | Idofi/Kihanga | 446 | 15 | 11 | 113 | 113093 | 11309302 |
| 11 | Iringa | 3 | Njombe | 093 | Makambako | 07 | Ikwete/Mafwiwi | 711 | 16 | 11 | 113 | 113093 | 11309307 |
| 11 | Iringa | 3 | Njombe | 101 | Mahongole | 02 | Ibatu | 180 | 17 | 11 | 113 | 113101 | 11310102 |
| 11 | Iringa | 3 | Njombe | 101 | Mahongole | 06 | Mtulingala | 290 | 18 | 11 | 113 | 113101 | 11310106 |
| 11 | Iringa | 3 | Njombe | 111 | Igongolo | 03 | Tagamenda | 247 | 19 | 11 | 113 | 113111 | 11311103 |
| 11 | Iringa | 3 | Njombe | 111 | Igongolo | 08 | Upami/IlalaA | 623 | 20 | 11 | 113 | 113111 | 11311108 |
| 11 | Iringa | 3 | Njombe | 121 | Mtwango | 03 | Lunguya | 630 | 21 | 11 | 113 | 113121 | 11312103 |
| 11 | Iringa | 3 | Njombe | 121 | Mtwango | 07 | Utengule | 300 | 22 | 11 | 113 | 113121 | 11312107 |
| 11 | Iringa | 3 | Njombe | 131 | Ikuka | 03 | Ikuna | 340 | 23 | 11 | 113 | 113131 | 11313103 |
| 11 | Iringa | 3 | Njombe | 131 | Ikuka | 07 | Isutu (Mhani) | 321 | 24 | 11 | 113 | 113131 | 11313107 |
| 11 | Iringa | 3 | Njombe | 141 | Mdandu | 03 | Mlevela/Maganga | 472 | 25 | 11 | 113 | 113141 | 11314103 |
| 11 | Iringa | 3 | Njombe | 141 | Mdandu | 08 | Ihanja/Malangali | 279 | 26 | 11 | 113 | 113141 | 11314108 |
| 11 | Iringa | 3 | Njombe | 141 | Mdandu | 13 | Lusisi/Zahanati | 328 | 27 | 11 | 113 | 113141 | 11314113 |
| 11 | Iringa | 3 | Njombe | 151 | Usuka | 05 | Igwachanya | 717 | 28 | 11 | 113 | 113151 | 11315105 |
| 11 | Iringa | 3 | Njombe | 151 | Usuka | 08 | Palangawanu | 602 | 29 | 11 | 113 | 113151 | 11315108 |
| 11 | Iringa | 3 | Njombe | 163 | Lupembe | 04 | Isoliwaya/Mgude | 486 | 30 | 11 | 113 | 113163 | 11316304 |
| 11 | Iringa | 3 | Njombe | 171 | Kidegembye | 02 | Kidegembye | 829 | 31 | 11 | 113 | 113171 | 11317102 |
| 11 | Iringa | 3 | Njombe | 181 | Ikondo | 03 | Ikondo | 510 | 32 | 11 | 113 | 113181 | 11318103 |
| 11 | Iringa | 3 | Njombe | 201 | Uwemba | 01 | Ihalula | 485 | 33 | 11 | 113 | 113201 | 11320101 |
| 11 | Iringa | 3 | Njombe | 201 | Uwemba | 04 | Uwemba | 772 | 34 | 11 | 113 | 113201 | 11320104 |
| 11 | Iringa | 3 | Njombe | 211 | Iwungilo | 04 | Uliwa | 391 | 35 | 11 | 113 | 113211 | 11321104 |
| 11 | Iringa | 3 | Njombe | 223 | Luponde | 04 | Lugenge/Madobole | 479 | 36 | 11 | 113 | 113223 | 11322304 |
| 11 | Iringa | 3 | Njombe | 231 | Matola | 02 | Kitulila/Kona | 433 | 37 | 11 | 113 | 113231 | 11323102 |
| 11 | Iringa | 3 | Njombe | 231 | Matola | 07 | Idihani | 330 | 38 | 11 | 113 | 113231 | 11323107 |
| 11 | Iringa | 3 | Njombe | 241 | Kifanya | 03 | Lwangu | 300 | 39 | 11 | 113 | 113241 | 11324103 |
| 11 | Iringa | 3 | Njombe | 251 | Yakobi | 04 | Nundu | 330 | 40 | 11 | 113 | 113251 | 11325104 |
| | | | **Njombe Count** | | | | | | **40** | | | | |
| 11 | Iringa | 5 | Makete | 011 | Lupalilo | 02 | Mago | 300 | 01 | 11 | 115 | 115011 | 11501102 |
| 11 | Iringa | 5 | Makete | 011 | Lupalilo | 05 | Tandala | 345 | 02 | 11 | 115 | 115011 | 11501105 |
| 11 | Iringa | 5 | Makete | 011 | Lupalilo | 09 | Kisinga | 198 | 03 | 11 | 115 | 115011 | 11501109 |
| 11 | Iringa | 5 | Makete | 023 | Iwawa | 03 | Ludihani | 121 | 04 | 11 | 115 | 115023 | 11502303 |
| 11 | Iringa | 5 | Makete | 023 | Iwawa | 05 | Isapulano | 453 | 05 | 11 | 115 | 115023 | 11502305 |
| 11 | Iringa | 5 | Makete | 031 | Mang'oto | 02 | Mang'ota | 208 | 06 | 11 | 115 | 115031 | 11503102 |
| 11 | Iringa | 5 | Makete | 041 | Lupila | 01 | Kijyombe | 282 | 07 | 11 | 115 | 115041 | 11504101 |
| 11 | Iringa | 5 | Makete | 041 | Lupila | 05 | Ukange | 210 | 08 | 11 | 115 | 115041 | 11504105 |
| 11 | Iringa | 5 | Makete | 051 | Ukwama | 03 | Ukwama | 391 | 09 | 11 | 115 | 115051 | 11505103 |
| 11 | Iringa | 5 | Makete | 061 | Bulongwa | 02 | Ilolo | 174 | 10 | 11 | 115 | 115061 | 11506102 |
| 11 | Iringa | 5 | Makete | 061 | Bulongwa | 07 | Uganga | 279 | 11 | 11 | 115 | 115061 | 11506107 |
| 11 | Iringa | 5 | Makete | 071 | Kipagalo | 01 | Iyoka | 332 | 12 | 11 | 115 | 115071 | 11507101 |
| 11 | Iringa | 5 | Makete | 071 | Kipagalo | 06 | Kilanji | 168 | 13 | 11 | 115 | 115071 | 11507106 |
| 11 | Iringa | 5 | Makete | 081 | Iniho | 03 | Iniho | 203 | 14 | 11 | 115 | 115081 | 11508103 |
| 11 | Iringa | 5 | Makete | 091 | Ipelele | 02 | Ipelele(Usalama na Ilong | 374 | 15 | 11 | 115 | 115091 | 11509102 |
| 11 | Iringa | 5 | Makete | 091 | Ipelele | 06 | Makwaranga | 273 | 16 | 11 | 115 | 115091 | 11509106 |
| 11 | Iringa | 5 | Makete | 113 | Matamba | 02 | Kinyika | 491 | 17 | 11 | 115 | 115113 | 11511302 |
| 11 | Iringa | 5 | Makete | 113 | Matamba | 04 | Nhungu | 322 | 18 | 11 | 115 | 115113 | 11511304 |
| 11 | Iringa | 5 | Makete | 121 | Mlondwe | 02 | Mlondwe | 333 | 19 | 11 | 115 | 115121 | 11512102 |
| 11 | Iringa | 5 | Makete | 121 | Mlondwe | 06 | Magoye | 312 | 20 | 11 | 115 | 115121 | 11512106 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | Iringa | 5 | Makete | 131 | Kitulo | 01 | Kikondo | 481 | 21 | 11 | 115 | 115131 | 11513101 |
| 11 | Iringa | 5 | Makete | 131 | Kitulo | 04 | Nkenja | 257 | 22 | 11 | 115 | 115131 | 11513104 |
| 11 | Iringa | 5 | Makete | 141 | Ikuwo | 03 | Kigala | 341 | 23 | 11 | 115 | 115141 | 11514103 |
| 11 | Iringa | 5 | Makete | 151 | Mfumbi | 01 | Mfumbi | 643 | 24 | 11 | 115 | 115151 | 11515101 |
| 11 | Iringa | 5 | Makete | 151 | Mfumbi | 04 | Usalimwani | 133 | 25 | 11 | 115 | 115151 | 11515104 |
| 11 | Iringa | 5 | Makete | 161 | Ipepo | 04 | Maliwa | 297 | 26 | 11 | 115 | 115161 | 11516104 |
| 11 | Iringa | 5 | Makete | 171 | Mbalatse | 02 | Kisasatu | 224 | 27 | 11 | 115 | 115171 | 11517102 |
| | | | **Makete Count** | | | | | | **27** | | | | |
| 11 | Iringa | 4 | Ludewa | 031 | Mawengi | 01 | Kiwe | 202 | 01 | 11 | 114 | 114031 | 11403101 |
| 11 | Iringa | 4 | Ludewa | 031 | Mawengi | 03 | Mawengi | 655 | 02 | 11 | 114 | 114031 | 11403103 |
| 11 | Iringa | 4 | Ludewa | 031 | Mawengi | 05 | Madunda | 354 | 03 | 11 | 114 | 114031 | 11403105 |
| 11 | Iringa | 4 | Ludewa | 041 | Lupanga | 02 | Utilili | 277 | 04 | 11 | 114 | 114041 | 11404102 |
| 11 | Iringa | 4 | Ludewa | 053 | Mlangali | 01 | Masimbwe | 371 | 05 | 11 | 114 | 114053 | 11405301 |
| 11 | Iringa | 4 | Ludewa | 053 | Mlangali | 02 | Kiyombo | 722 | 06 | 11 | 114 | 114053 | 11405302 |
| 11 | Iringa | 4 | Ludewa | 053 | Mlangali | 04 | Lufumbu | 383 | 07 | 11 | 114 | 114053 | 11405304 |
| 11 | Iringa | 4 | Ludewa | 061 | Milo | 01 | Mapogoro | 753 | 08 | 11 | 114 | 114061 | 11406101 |
| 11 | Iringa | 4 | Ludewa | 061 | Milo | 02 | Mavala | 484 | 09 | 11 | 114 | 114061 | 11406102 |
| 11 | Iringa | 4 | Ludewa | 073 | Lugarawa | 01 | Mdilidili | 344 | 10 | 11 | 114 | 114073 | 11407301 |
| 11 | Iringa | 4 | Ludewa | 073 | Lugarawa | 03 | Mkongobaki | 357 | 11 | 11 | 114 | 114073 | 11407303 |
| 11 | Iringa | 4 | Ludewa | 081 | Madope | 01 | Luvuyo | 311 | 12 | 11 | 114 | 114081 | 11408101 |
| 11 | Iringa | 4 | Ludewa | 091 | Madilu | 01 | Manga | 450 | 13 | 11 | 114 | 114091 | 11409101 |
| 11 | Iringa | 4 | Ludewa | 091 | Madilu | 03 | Madilu | 576 | 14 | 11 | 114 | 114091 | 11409103 |
| 11 | Iringa | 4 | Ludewa | 091 | Madilu | 05 | Ilininda | 410 | 15 | 11 | 114 | 114091 | 11409105 |
| 11 | Iringa | 4 | Ludewa | 101 | Mundindi | 02 | Mundindi | 431 | 16 | 11 | 114 | 114101 | 11410102 |
| 11 | Iringa | 4 | Ludewa | 111 | Mavanga | 01 | Mavanga | 652 | 17 | 11 | 114 | 114111 | 11411101 |
| 11 | Iringa | 4 | Ludewa | 111 | Mavanga | 02 | Mbugani | 324 | 18 | 11 | 114 | 114111 | 11411102 |
| 11 | Iringa | 4 | Ludewa | 131 | Nkomang'ombe | 02 | Nkomang'ombe | 423 | 19 | 11 | 114 | 114131 | 11413102 |
| 11 | Iringa | 4 | Ludewa | 141 | Luilo | 03 | Lifua | 342 | 20 | 11 | 114 | 114141 | 11414103 |
| 11 | Iringa | 4 | Ludewa | 163 | Manda | 01 | Mbongo | 292 | 21 | 11 | 114 | 114163 | 11416301 |
| 11 | Iringa | 4 | Ludewa | 163 | Manda | 05 | Kipingu | 222 | 22 | 11 | 114 | 114163 | 11416305 |
| 11 | Iringa | 4 | Ludewa | 181 | Lupingu | 02 | Mtumbati | 215 | 23 | 11 | 114 | 114181 | 11418102 |
| 11 | Iringa | 4 | Ludewa | 193 | Ludewa | 01 | Ludewa Kijijini | 433 | 24 | 11 | 114 | 114193 | 11419301 |
| 11 | Iringa | 4 | Ludewa | 201 | Ludende | 02 | Madindo | 266 | 25 | 11 | 114 | 114201 | 11420102 |
| 11 | Iringa | 4 | Ludewa | 211 | Luana | 02 | Luana | 446 | 26 | 11 | 114 | 114211 | 11421102 |
| 11 | Iringa | 4 | Ludewa | 221 | Makonde | 01 | Makonde | 379 | 27 | 11 | 114 | 114221 | 11422101 |
| | | | **Ludewa Count** | | | | | | **27** | | | | |
| 11 | Iringa | 6 | Iringa Urban | 023 | Mtwivila | 01 | Ugele Manyigi | 078 | 01 | 11 | 116 | 116023 | 11602301 |
| 11 | Iringa | 6 | Iringa Urban | 053 | Ruaha | 01 | Igumbiro/Kigungawe | 277 | 02 | 11 | 116 | 116053 | 11605301 |
| 11 | Iringa | 6 | Iringa Urban | 093 | Mwangata | 01 | Mawelewele | 120 | 03 | 11 | 116 | 116093 | 11609301 |
| 11 | Iringa | 6 | Iringa Urban | 093 | Mwangata | 02 | Kitasengwa | 045 | 04 | 11 | 116 | 116093 | 11609302 |
| 11 | Iringa | 6 | Iringa Urban | 093 | Mwangata | 03 | Isakalilo | 089 | 05 | 11 | 116 | 116093 | 11609303 |
| 11 | Iringa | 6 | Iringa Urban | 133 | Mkwawa | 01 | Itamba | 208 | 06 | 11 | 116 | 116133 | 11613301 |
| | | | **Iringa Urban Count** | | | | | | **06** | | | | |
| 11 | Iringa | 7 | Kilolo | 011 | Image | 04 | Kilondo | 446 | 01 | 11 | 117 | 117011 | 11701104 |
| 11 | Iringa | 7 | Kilolo | 011 | Image | 06 | Image | 660 | 02 | 11 | 117 | 117011 | 11701106 |
| 11 | Iringa | 7 | Kilolo | 021 | Irole | 01 | Lundamatwe | 1036 | 03 | 11 | 117 | 117021 | 11702101 |
| 11 | Iringa | 7 | Kilolo | 021 | Irole | 05 | Mbigili | 613 | 04 | 11 | 117 | 117021 | 11702105 |
| 11 | Iringa | 7 | Kilolo | 021 | Irole | 07 | Imalutwa | 852 | 05 | 11 | 117 | 117021 | 11702107 |
| 11 | Iringa | 7 | Kilolo | 021 | Irole | 09 | Kitelewasi | 570 | 06 | 11 | 117 | 117021 | 11702109 |
| 11 | Iringa | 7 | Kilolo | 033 | Ilula | 03 | Mlafu | 367 | 07 | 11 | 117 | 117033 | 11703303 |
| 11 | Iringa | 7 | Kilolo | 041 | Uhambingeto | 01 | Uhambingeto | 594 | 08 | 11 | 117 | 117041 | 11704101 |
| 11 | Iringa | 7 | Kilolo | 041 | Uhambingeto | 03 | Kipaduka | 543 | 09 | 11 | 117 | 117041 | 11704103 |
| 11 | Iringa | 7 | Kilolo | 061 | Mahenge | 01 | Mahenge | 443 | 10 | 11 | 117 | 117061 | 11706101 |
| 11 | Iringa | 7 | Kilolo | 061 | Mahenge | 04 | Nyanzwa | 406 | 11 | 11 | 117 | 117061 | 11706104 |
| 11 | Iringa | 7 | Kilolo | 061 | Mahenge | 09 | Mtandika | 601 | 12 | 11 | 117 | 117061 | 11706109 |
| 11 | Iringa | 7 | Kilolo | 071 | Mtitu | 02 | Utengule | 525 | 13 | 11 | 117 | 117071 | 11707102 |
| 11 | Iringa | 7 | Kilolo | 071 | Mtitu | 04 | Itimbo | 511 | 14 | 11 | 117 | 117071 | 11707104 |
| 11 | Iringa | 7 | Kilolo | 071 | Mtitu | 06 | Kilolo | 662 | 15 | 11 | 117 | 117071 | 11707106 |
| 11 | Iringa | 7 | Kilolo | 081 | Dabaga | 03 | Magome - Mjule,Magome | 366 | 16 | 11 | 117 | 117081 | 11708103 |
| 11 | Iringa | 7 | Kilolo | 081 | Dabaga | 05 | Ng'ang'ange - Mifugo | 902 | 17 | 11 | 117 | 117081 | 11708105 |
| 11 | Iringa | 7 | Kilolo | 091 | Ukumbi | 02 | Mawambala | 721 | 18 | 11 | 117 | 117091 | 11709102 |
| 11 | Iringa | 7 | Kilolo | 091 | Ukumbi | 04 | Kitowo | 512 | 19 | 11 | 117 | 117091 | 11709104 |
| 11 | Iringa | 7 | Kilolo | 091 | Ukumbi | 06 | Ng'uruhe | 596 | 20 | 11 | 117 | 117091 | 11709106 |
| 11 | Iringa | 7 | Kilolo | 101 | Ukwega | 02 | Kisinga - Muhemi,Madas | 394 | 21 | 11 | 117 | 117101 | 11710102 |
| 11 | Iringa | 7 | Kilolo | 101 | Ukwega | 06 | Ukwega - Isesebu, Ukwe | 286 | 22 | 11 | 117 | 117101 | 11710106 |
| 11 | Iringa | 7 | Kilolo | 111 | Boma la Ng'ombe | 02 | Boma la Ng'ombe | 1000 | 23 | 11 | 117 | 117111 | 11711102 |
| 11 | Iringa | 7 | Kilolo | 111 | Boma la Ng'ombe | 04 | Idegenda | 704 | 24 | 11 | 117 | 117111 | 11711104 |
| 11 | Iringa | 7 | Kilolo | 111 | Boma la Ng'ombe | 06 | Mbawi | 491 | 25 | 11 | 117 | 117111 | 11711106 |
| 11 | Iringa | 7 | Kilolo | 121 | Idete | 05 | Itonya - Tupendane,Itony | 302 | 26 | 11 | 117 | 117121 | 11712105 |
| 11 | Iringa | 7 | Kilolo | 121 | Idete | 09 | Kiwalamo - Kidugala | 305 | 27 | 11 | 117 | 117121 | 11712109 |
| | | | **Kilolo Count** | | | | | | **27** | | | | |
| | **Iringa Count** | | | | | | | | **187** | | | | |
| 12 | Mbeya | 1 | Chunya | 011 | Kambikatoto | 01 | Kambikatoto | 441 | 01 | 12 | 121 | 121011 | 12101101 |
| 12 | Mbeya | 1 | Chunya | 031 | Matwiga | 02 | Matwiga | 297 | 02 | 12 | 121 | 121031 | 12103102 |
| 12 | Mbeya | 1 | Chunya | 041 | Mtanila | 03 | Kalangali | 185 | 03 | 12 | 121 | 121041 | 12104103 |
| 12 | Mbeya | 1 | Chunya | 051 | L/ tingatinga | 03 | L/Mjini | 984 | 04 | 12 | 121 | 121051 | 12105103 |
| 12 | Mbeya | 1 | Chunya | 073 | Makongorosi | 01 | Mkola | 484 | 05 | 12 | 121 | 121073 | 12107301 |
| 12 | Mbeya | 1 | Chunya | 073 | Makongorosi | 02 | Matundasi | 1039 | 06 | 12 | 121 | 121073 | 12107302 |
| 12 | Mbeya | 1 | Chunya | 073 | Makongorosi | 04 | Machinjioni | 921 | 07 | 12 | 121 | 121073 | 12107304 |
| 12 | Mbeya | 1 | Chunya | 083 | Itewe | 04 | Sinjilili | 183 | 08 | 12 | 121 | 121083 | 12108304 |
| 12 | Mbeya | 1 | Chunya | 093 | Chokaa | 02 | Igodima | 513 | 09 | 12 | 121 | 121093 | 12109302 |
| 12 | Mbeya | 1 | Chunya | 101 | Mbugani | 02 | Mlimanjiwa | 268 | 10 | 12 | 121 | 121101 | 12110102 |
| 12 | Mbeya | 1 | Chunya | 111 | Chalangwa | 01 | Chalangwa | 1221 | 11 | 12 | 121 | 121111 | 12111101 |
| 12 | Mbeya | 1 | Chunya | 111 | Chalangwa | 02 | Sangambi | 589 | 12 | 12 | 121 | 121111 | 12111102 |
| 12 | Mbeya | 1 | Chunya | 121 | Ifumbo | 01 | Ifumbo | 1044 | 13 | 12 | 121 | 121121 | 12112101 |
| 12 | Mbeya | 1 | Chunya | 131 | Kanga | 01 | Kanga | 999 | 14 | 12 | 121 | 121131 | 12113101 |
| 12 | Mbeya | 1 | Chunya | 131 | Kanga | 02 | Tete | 607 | 15 | 12 | 121 | 121131 | 12113102 |
| 12 | Mbeya | 1 | Chunya | 141 | Galula | 01 | Galula | 639 | 16 | 12 | 121 | 121141 | 12114101 |
| 12 | Mbeya | 1 | Chunya | 141 | Galula | 03 | Magamba | 669 | 17 | 12 | 121 | 121141 | 12114103 |
| 12 | Mbeya | 1 | Chunya | 151 | Mbuyuni | 01 | Mbuyuni | 1063 | 18 | 12 | 121 | 121151 | 12115101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Mbeya | 1 | Chunya | 151 | Mbuyuni | 03 | Ifuko | 580 | 19 | 12 | 121 | 121151 | 12115103 |
| 12 | Mbeya | 1 | Chunya | 161 | Totowe | 02 | Iyovyo | 254 | 20 | 12 | 121 | 121161 | 12116102 |
| 12 | Mbeya | 1 | Chunya | 171 | Namkukwe | 02 | Mheza | 240 | 21 | 12 | 121 | 121171 | 12117102 |
| 12 | Mbeya | 1 | Chunya | 183 | Mkwajuni | 02 | Iseche | 261 | 22 | 12 | 121 | 121183 | 12118302 |
| 12 | Mbeya | 1 | Chunya | 183 | Mkwajuni | 04 | Mkwajuni | 487 | 23 | 12 | 121 | 121183 | 12118304 |
| 12 | Mbeya | 1 | Chunya | 183 | Mkwajuni | 07 | Kaloleni | 284 | 24 | 12 | 121 | 121183 | 12118307 |
| 12 | Mbeya | 1 | Chunya | 201 | Kapalala | 02 | Udinde | 448 | 25 | 12 | 121 | 121201 | 12120102 |
| 12 | Mbeya | 1 | Chunya | 211 | Gua | 02 | Some | 114 | 26 | 12 | 121 | 121211 | 12121102 |
| 12 | Mbeya | 1 | Chunya | 231 | Mamba | 01 | Mamba | 1241 | 27 | 12 | 121 | 121231 | 12123101 |
| | | | **Chunya Count** | | | | | | **27** | | | | |
| 12 | Mbeya | 2 | Mbeya (R) | 011 | Ihango | 02 | Haporoto | 438 | 01 | 12 | 122 | 122011 | 12201102 |
| 12 | Mbeya | 2 | Mbeya (R) | 023 | Ulenje | 02 | Mbonile | 382 | 02 | 12 | 122 | 122023 | 12202302 |
| 12 | Mbeya | 2 | Mbeya (R) | 033 | Tembela | 01 | Galijembe | 549 | 03 | 12 | 122 | 122033 | 12203301 |
| 12 | Mbeya | 2 | Mbeya (R) | 033 | Tembela | 06 | Itamballila | 154 | 04 | 12 | 122 | 122033 | 12203306 |
| 12 | Mbeya | 2 | Mbeya (R) | 033 | Tembela | 30 | Ngoha | 199 | 05 | 12 | 122 | 122033 | 12203330 |
| 12 | Mbeya | 2 | Mbeya (R) | 041 | Ijombe | 07 | Mwashoma | 170 | 06 | 12 | 122 | 122041 | 12204107 |
| 12 | Mbeya | 2 | Mbeya (R) | 051 | Santilya | 03 | Sanje | 688 | 07 | 12 | 122 | 122051 | 12205103 |
| 12 | Mbeya | 2 | Mbeya (R) | 051 | Santilya | 07 | Jojo | 671 | 08 | 12 | 122 | 122051 | 12205107 |
| 12 | Mbeya | 2 | Mbeya (R) | 061 | Ilembo | 03 | Shilanga | 268 | 09 | 12 | 122 | 122061 | 12206103 |
| 12 | Mbeya | 2 | Mbeya (R) | 061 | Ilembo | 08 | Masoko | 671 | 10 | 12 | 122 | 122061 | 12206108 |
| 12 | Mbeya | 2 | Mbeya (R) | 061 | Ilembo | 12 | Mbagala | 265 | 11 | 12 | 122 | 122061 | 12206112 |
| 12 | Mbeya | 2 | Mbeya (R) | 071 | Iwiji | 03 | Izyira | 873 | 12 | 12 | 122 | 122071 | 12207103 |
| 12 | Mbeya | 2 | Mbeya (R) | 081 | Isuto | 01 | Pashungu | 654 | 13 | 12 | 122 | 122081 | 12208101 |
| 12 | Mbeya | 2 | Mbeya (R) | 081 | Isuto | 04 | Mlowo | 510 | 14 | 12 | 122 | 122081 | 12208104 |
| 12 | Mbeya | 2 | Mbeya (R) | 081 | Isuto | 08 | Shisonta | 501 | 15 | 12 | 122 | 122081 | 12208108 |
| 12 | Mbeya | 2 | Mbeya (R) | 091 | Igale | 01 | Itaga | 301 | 16 | 12 | 122 | 122091 | 12209101 |
| 12 | Mbeya | 2 | Mbeya (R) | 091 | Igale | 04 | Horongo | 433 | 17 | 12 | 122 | 122091 | 12209104 |
| 12 | Mbeya | 2 | Mbeya (R) | 091 | Igale | 08 | Swaya | 677 | 18 | 12 | 122 | 122091 | 12209108 |
| 12 | Mbeya | 2 | Mbeya (R) | 101 | Iwindi | 01 | Iwindi | 1155 | 19 | 12 | 122 | 122101 | 12210101 |
| 12 | Mbeya | 2 | Mbeya (R) | 101 | Iwindi | 04 | Mwampalala | 454 | 20 | 12 | 122 | 122101 | 12210104 |
| 12 | Mbeya | 2 | Mbeya (R) | 101 | Iwindi | 08 | Mwashiwawala | 362 | 21 | 12 | 122 | 122101 | 12210108 |
| 12 | Mbeya | 2 | Mbeya (R) | 113 | UT/Usongwe | 04 | Itimba | 364 | 22 | 12 | 122 | 122113 | 12211304 |
| 12 | Mbeya | 2 | Mbeya (R) | 121 | Mshewe | 03 | Mlele | 331 | 23 | 12 | 122 | 122121 | 12212103 |
| 12 | Mbeya | 2 | Mbeya (R) | 121 | Mshewe | 07 | Mshewe | 359 | 24 | 12 | 122 | 122121 | 12212107 |
| 12 | Mbeya | 2 | Mbeya (R) | 131 | Ikukwa | 02 | Simboya | 560 | 25 | 12 | 122 | 122131 | 12213102 |
| 12 | Mbeya | 2 | Mbeya (R) | 153 | Bonde la Usongwe | 02 | Ikumbi | 396 | 26 | 12 | 122 | 122153 | 12215302 |
| 12 | Mbeya | 2 | Mbeya (R) | 153 | Bonde la Usongwe | 05 | Mlowe | 584 | 27 | 12 | 122 | 122153 | 12215305 |
| 12 | Mbeya | 2 | Mbeya (R) | 161 | Inyala | 03 | Iyawaya | 184 | 28 | 12 | 122 | 122161 | 12216103 |
| 12 | Mbeya | 2 | Mbeya (R) | 171 | Ilungu | 01 | Nyalwela | 641 | 29 | 12 | 122 | 122171 | 12217101 |
| 12 | Mbeya | 2 | Mbeya (R) | 171 | Ilungu | 05 | Mwela | 404 | 30 | 12 | 122 | 122171 | 12217105 |
| | | | **Mbeya (R) Count** | | | | | | **30** | | | | |
| 12 | Mbeya | 3 | Kyela | 011 | Lusungo | 05 | Lusungo | 424 | 01 | 12 | 123 | 123011 | 12301105 |
| 12 | Mbeya | 3 | Kyela | 021 | Makwale | 03 | Sebe | 300 | 02 | 12 | 123 | 123021 | 12302103 |
| 12 | Mbeya | 3 | Kyela | 021 | Makwale | 07 | Mpunguti | 373 | 03 | 12 | 123 | 123021 | 12302107 |
| 12 | Mbeya | 3 | Kyela | 031 | Matema | 01 | Mababu | 1021 | 04 | 12 | 123 | 123031 | 12303101 |
| 12 | Mbeya | 3 | Kyela | 031 | Matema | 02 | Matema | 686 | 05 | 12 | 123 | 123031 | 12303102 |
| 12 | Mbeya | 3 | Kyela | 041 | Mwaya | 03 | Masebe | 254 | 06 | 12 | 123 | 123041 | 12304103 |
| 12 | Mbeya | 3 | Kyela | 041 | Mwaya | 06 | Lugombo | 727 | 07 | 12 | 123 | 123041 | 12304106 |
| 12 | Mbeya | 3 | Kyela | 053 | Kyela Mjini | 02 | Nkuyu | 418 | 08 | 12 | 123 | 123053 | 12305302 |
| 12 | Mbeya | 3 | Kyela | 061 | Kajunjumele | 01 | Kilwa | 523 | 09 | 12 | 123 | 123061 | 12306101 |
| 12 | Mbeya | 3 | Kyela | 061 | Kajunjumele | 03 | Kiingira | 294 | 10 | 12 | 123 | 123061 | 12306103 |
| 12 | Mbeya | 3 | Kyela | 071 | Bujonde | 02 | Lubaga,Bagamoyo | 475 | 11 | 12 | 123 | 123071 | 12307102 |
| 12 | Mbeya | 3 | Kyela | 081 | Ikolo | 01 | Kilasilo | 801 | 12 | 12 | 123 | 123081 | 12308101 |
| 12 | Mbeya | 3 | Kyela | 081 | Ikolo | 05 | Ikolo | 589 | 13 | 12 | 123 | 123081 | 12308105 |
| 12 | Mbeya | 3 | Kyela | 091 | Katumba Songwe | 02 | Isaki | 202 | 14 | 12 | 123 | 123091 | 12309102 |
| 12 | Mbeya | 3 | Kyela | 091 | Katumba Songwe | 06 | Katumba - Songwe | 606 | 15 | 12 | 123 | 123091 | 12309106 |
| 12 | Mbeya | 3 | Kyela | 101 | Ngana | 03 | Ushirika | 264 | 16 | 12 | 123 | 123101 | 12310103 |
| 12 | Mbeya | 3 | Kyela | 111 | Busole | 01 | Lema | 925 | 17 | 12 | 123 | 123111 | 12311101 |
| 12 | Mbeya | 3 | Kyela | 111 | Busole | 04 | Busale | 811 | 18 | 12 | 123 | 123111 | 12311104 |
| 12 | Mbeya | 3 | Kyela | 111 | Busole | 05 | Ibanda | 734 | 19 | 12 | 123 | 123111 | 12311105 |
| 12 | Mbeya | 3 | Kyela | 121 | Ipande | 01 | Mbula | 378 | 20 | 12 | 123 | 123121 | 12312101 |
| 12 | Mbeya | 3 | Kyela | 121 | Ipande | 05 | Sinyanga | 590 | 21 | 12 | 123 | 123121 | 12312105 |
| 12 | Mbeya | 3 | Kyela | 131 | Ikama | 03 | Mpuguti | 243 | 22 | 12 | 123 | 123131 | 12313103 |
| 12 | Mbeya | 3 | Kyela | 143 | Ipinda | 01 | Mabunga | 419 | 23 | 12 | 123 | 123143 | 12314301 |
| 12 | Mbeya | 3 | Kyela | 143 | Ipinda | 05 | Ipinda | 764 | 24 | 12 | 123 | 123143 | 12314305 |
| 12 | Mbeya | 3 | Kyela | 143 | Ipinda | 07 | Ikulu | 367 | 25 | 12 | 123 | 123143 | 12314307 |
| 12 | Mbeya | 3 | Kyela | 151 | Ngonga | 02 | Itete | 388 | 26 | 12 | 123 | 123151 | 12315102 |
| 12 | Mbeya | 3 | Kyela | 151 | Ngonga | 05 | Lugombo | 488 | 27 | 12 | 123 | 123151 | 12315105 |
| | | | **Kyela Count** | | | | | | **27** | | | | |
| 12 | Mbeya | 4 | Rungwe | 021 | Katumba | 01 | Ilinga | 365 | 01 | 12 | 124 | 124021 | 12402101 |
| 12 | Mbeya | 4 | Rungwe | 021 | Katumba | 03 | Ikama | 377 | 02 | 12 | 124 | 124021 | 12402103 |
| 12 | Mbeya | 4 | Rungwe | 031 | Suma | 03 | Ibumba | 275 | 03 | 12 | 124 | 124031 | 12403103 |
| 12 | Mbeya | 4 | Rungwe | 031 | Suma | 08 | Busona | 287 | 04 | 12 | 124 | 124031 | 12403108 |
| 12 | Mbeya | 4 | Rungwe | 043 | Kandete | 04 | Ipelo | 221 | 05 | 12 | 124 | 124043 | 12404304 |
| 12 | Mbeya | 4 | Rungwe | 051 | Luteba | 03 | Ikubo | 423 | 06 | 12 | 124 | 124051 | 12405103 |
| 12 | Mbeya | 4 | Rungwe | 061 | Mpombo | 01 | Lulasi | 262 | 07 | 12 | 124 | 124061 | 12406101 |
| 12 | Mbeya | 4 | Rungwe | 071 | Isange | 01 | Mbigili | 417 | 08 | 12 | 124 | 124071 | 12407101 |
| 12 | Mbeya | 4 | Rungwe | 071 | Isange | 04 | Matamba | 308 | 09 | 12 | 124 | 124071 | 12407104 |
| 12 | Mbeya | 4 | Rungwe | 081 | Kabula | 03 | Kitema | 302 | 10 | 12 | 124 | 124081 | 12408103 |
| 12 | Mbeya | 4 | Rungwe | 091 | Lwangwa | 01 | Ikama Mbande | 586 | 11 | 12 | 124 | 124091 | 12409101 |
| 12 | Mbeya | 4 | Rungwe | 101 | Rufiryo | 03 | Kikuba | 269 | 12 | 12 | 124 | 124101 | 12410103 |
| 12 | Mbeya | 4 | Rungwe | 111 | Itete | 02 | Kilugu | 188 | 13 | 12 | 124 | 124111 | 12411102 |
| 12 | Mbeya | 4 | Rungwe | 121 | Kisegese | 02 | Kisegese | 351 | 14 | 12 | 124 | 124121 | 12412102 |
| 12 | Mbeya | 4 | Rungwe | 131 | Lupata | 03 | Nsoso | 308 | 15 | 12 | 124 | 124131 | 12413103 |
| 12 | Mbeya | 4 | Rungwe | 141 | Kambasegela | 02 | Ilamba | 319 | 16 | 12 | 124 | 124141 | 12414102 |
| 12 | Mbeya | 4 | Rungwe | 141 | Kambasegela | 06 | Kambasegela | 480 | 17 | 12 | 124 | 124141 | 12414106 |
| 12 | Mbeya | 4 | Rungwe | 151 | Masukulu | 05 | Matwebe | 375 | 18 | 12 | 124 | 124151 | 12415105 |
| 12 | Mbeya | 4 | Rungwe | 161 | Kisiba | 01 | Mbaka | 268 | 19 | 12 | 124 | 124161 | 12416101 |
| 12 | Mbeya | 4 | Rungwe | 171 | Masoko | 02 | Bujesi | 200 | 20 | 12 | 124 | 124171 | 12417102 |
| 12 | Mbeya | 4 | Rungwe | 181 | Bujela | 01 | Segela | 223 | 21 | 12 | 124 | 124181 | 12418101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Mbeya | 4 | Rungwe | 191 | Ilima | 01 | Ngujubwaje | 310 | 22 | 12 | 124 | 124191 | 12419101 |
| 12 | Mbeya | 4 | Rungwe | 191 | Ilima | 05 | Itula - Itula AETE | 435 | 23 | 12 | 124 | 124191 | 12419105 |
| 12 | Mbeya | 4 | Rungwe | 201 | Kisondela | 03 | Bugoba - Masebe | 455 | 24 | 12 | 124 | 124201 | 12420103 |
| 12 | Mbeya | 4 | Rungwe | 211 | Ikuti | 01 | Kyobo | 415 | 25 | 12 | 124 | 124211 | 12421101 |
| 12 | Mbeya | 4 | Rungwe | 211 | Ikuti | 04 | Ibungu | 223 | 26 | 12 | 124 | 124211 | 12421104 |
| 12 | Mbeya | 4 | Rungwe | 223 | Malindo | 03 | Ibungila | 547 | 27 | 12 | 124 | 124223 | 12422303 |
| 12 | Mbeya | 4 | Rungwe | 231 | Mpuguso | 03 | Mpuguso - Ushirika | 742 | 28 | 12 | 124 | 124231 | 12423103 |
| 12 | Mbeya | 4 | Rungwe | 251 | Lufingo | 01 | Lugombo | 474 | 29 | 12 | 124 | 124251 | 12425101 |
| 12 | Mbeya | 4 | Rungwe | 251 | Lufingo | 04 | Simike | 763 | 30 | 12 | 124 | 124251 | 12425104 |
| 12 | Mbeya | 4 | Rungwe | 251 | Lufingo | 07 | Kagwina | 467 | 31 | 12 | 124 | 124251 | 12425107 |
| 12 | Mbeya | 4 | Rungwe | 261 | Nkunga | 03 | Isaka | 470 | 32 | 12 | 124 | 124261 | 12426103 |
| 12 | Mbeya | 4 | Rungwe | 261 | Nkunga | 07 | Mpombo | 164 | 33 | 12 | 124 | 124261 | 12426107 |
| 12 | Mbeya | 4 | Rungwe | 271 | Kyimo | 03 | Katabe | 380 | 34 | 12 | 124 | 124271 | 12427103 |
| 12 | Mbeya | 4 | Rungwe | 281 | Kinyala | 02 | Igembe | 399 | 35 | 12 | 124 | 124281 | 12428102 |
| 12 | Mbeya | 4 | Rungwe | 281 | Kinyala | 05 | Lukata | 621 | 36 | 12 | 124 | 124281 | 12428105 |
| 12 | Mbeya | 4 | Rungwe | 281 | Kinyala | 08 | Malangali | 327 | 37 | 12 | 124 | 124281 | 12428108 |
| 12 | Mbeya | 4 | Rungwe | 293 | Kiwira | 02 | Ilundo - Lusungo | 757 | 38 | 12 | 124 | 124293 | 12429302 |
| 12 | Mbeya | 4 | Rungwe | 293 | Kiwira | 05 | Mpandapanda | 310 | 39 | 12 | 124 | 124293 | 12429305 |
| 12 | Mbeya | 4 | Rungwe | 301 | Isongole | 04 | Idweli | 243 | 40 | 12 | 124 | 124301 | 12430104 |
| | | | **Rungwe Count** | | | | | | **40** | | | | |
| 12 | Mbeya | 5 | Ileje | 013 | Itumba | 01 | Yenzebwe | 205 | 01 | 12 | 125 | 125013 | 12501301 |
| 12 | Mbeya | 5 | Ileje | 013 | Itumba | 02 | Itumba | 923 | 02 | 12 | 125 | 125013 | 12501302 |
| 12 | Mbeya | 5 | Ileje | 013 | Itumba | 03 | Mlale - Mshala | 645 | 03 | 12 | 125 | 125013 | 12501303 |
| 12 | Mbeya | 5 | Ileje | 021 | Itale | 02 | Itale - Ijembe | 491 | 04 | 12 | 125 | 125021 | 12502102 |
| 12 | Mbeya | 5 | Ileje | 031 | Ibaba | 01 | Sheyo | 249 | 05 | 12 | 125 | 125031 | 12503101 |
| 12 | Mbeya | 5 | Ileje | 031 | Ibaba | 04 | Ibaba | 226 | 06 | 12 | 125 | 125031 | 12503104 |
| 12 | Mbeya | 5 | Ileje | 041 | Ndola | 03 | Igumila | 282 | 07 | 12 | 125 | 125041 | 12504103 |
| 12 | Mbeya | 5 | Ileje | 051 | Luswisi | 02 | Luswisi | 364 | 08 | 12 | 125 | 125051 | 12505102 |
| 12 | Mbeya | 5 | Ileje | 061 | Ngulilo | 01 | Ndapwa | 181 | 09 | 12 | 125 | 125061 | 12506101 |
| 12 | Mbeya | 5 | Ileje | 071 | Lubanda | 01 | Mbembati | 220 | 10 | 12 | 125 | 125071 | 12507101 |
| 12 | Mbeya | 5 | Ileje | 071 | Lubanda | 03 | Mtula | 454 | 11 | 12 | 125 | 125071 | 12507103 |
| 12 | Mbeya | 5 | Ileje | 081 | Ngulugulu | 01 | Bufula | 121 | 12 | 12 | 125 | 125081 | 12508101 |
| 12 | Mbeya | 5 | Ileje | 081 | Ngulugulu | 04 | Chikumbulu | 299 | 13 | 12 | 125 | 125081 | 12508104 |
| 12 | Mbeya | 5 | Ileje | 091 | Sange | 02 | Sange | 327 | 14 | 12 | 125 | 125091 | 12509102 |
| 12 | Mbeya | 5 | Ileje | 101 | Ikinga | 01 | Kikota | 582 | 15 | 12 | 125 | 125101 | 12510101 |
| 12 | Mbeya | 5 | Ileje | 101 | Ikinga | 04 | Kapeta | 255 | 16 | 12 | 125 | 125101 | 12510104 |
| 12 | Mbeya | 5 | Ileje | 111 | Kafule | 01 | Isoko | 345 | 17 | 12 | 125 | 125111 | 12511101 |
| 12 | Mbeya | 5 | Ileje | 111 | Kafule | 04 | Kapelekesi | 530 | 18 | 12 | 125 | 125111 | 12511104 |
| 12 | Mbeya | 5 | Ileje | 121 | Malangali | 02 | Chembe | 308 | 19 | 12 | 125 | 125121 | 12512102 |
| 12 | Mbeya | 5 | Ileje | 121 | Malangali | 04 | Ilondo | 392 | 20 | 12 | 125 | 125121 | 12512104 |
| 12 | Mbeya | 5 | Ileje | 121 | Malangali | 06 | Kabale | 330 | 21 | 12 | 125 | 125121 | 12512106 |
| 12 | Mbeya | 5 | Ileje | 131 | Bupigu | 03 | Bupigu | 377 | 22 | 12 | 125 | 125131 | 12513103 |
| 12 | Mbeya | 5 | Ileje | 143 | Isongole | 01 | Izuba | 466 | 23 | 12 | 125 | 125143 | 12514301 |
| 12 | Mbeya | 5 | Ileje | 143 | Isongole | 03 | Ilulu | 292 | 24 | 12 | 125 | 125143 | 12514303 |
| 12 | Mbeya | 5 | Ileje | 151 | Chitete | 02 | Ikumbilo | 520 | 25 | 12 | 125 | 125151 | 12515102 |
| 12 | Mbeya | 5 | Ileje | 151 | Chitete | 03 | Msia - Iyunga | 413 | 26 | 12 | 125 | 125151 | 12515103 |
| 12 | Mbeya | 5 | Ileje | 161 | Mbebe | 02 | Mapogolo | 250 | 27 | 12 | 125 | 125161 | 12516102 |
| | | | **Ileje Count** | | | | | | **27** | | | | |
| 12 | Mbeya | 6 | Mbozi | 011 | Chilulumo | 05 | Kaonga | 455 | 01 | 12 | 126 | 126011 | 12601105 |
| 12 | Mbeya | 6 | Mbozi | 021 | Kamsamba | 04 | Mpapa | 378 | 02 | 12 | 126 | 126021 | 12602104 |
| 12 | Mbeya | 6 | Mbozi | 031 | Ivuna | 02 | Lwatwe | 737 | 03 | 12 | 126 | 126031 | 12603102 |
| 12 | Mbeya | 6 | Mbozi | 031 | Ivuna | 05 | Ntungwa | 552 | 04 | 12 | 126 | 126031 | 12603105 |
| 12 | Mbeya | 6 | Mbozi | 041 | Nambinzo | 03 | Shitunguru | 550 | 05 | 12 | 126 | 126041 | 12604103 |
| 12 | Mbeya | 6 | Mbozi | 051 | Itaka | 01 | Ikonya | 852 | 06 | 12 | 126 | 126051 | 12605101 |
| 12 | Mbeya | 6 | Mbozi | 051 | Itaka | 04 | Ipoloto | 799 | 07 | 12 | 126 | 126051 | 12605104 |
| 12 | Mbeya | 6 | Mbozi | 051 | Itaka | 07 | Insani | 976 | 08 | 12 | 126 | 126051 | 12605107 |
| 12 | Mbeya | 6 | Mbozi | 061 | Isansa | 01 | Magamba | 1462 | 09 | 12 | 126 | 126061 | 12606101 |
| 12 | Mbeya | 6 | Mbozi | 061 | Isansa | 04 | Itumpi | 683 | 10 | 12 | 126 | 126061 | 12606104 |
| 12 | Mbeya | 6 | Mbozi | 061 | Isansa | 07 | Isansa | 1648 | 11 | 12 | 126 | 126061 | 12606107 |
| 12 | Mbeya | 6 | Mbozi | 061 | Isansa | 09 | Iwalanje | 1033 | 12 | 12 | 126 | 126061 | 12606109 |
| 12 | Mbeya | 6 | Mbozi | 071 | Ruanda | 05 | Namlonga | 279 | 13 | 12 | 126 | 126071 | 12607105 |
| 12 | Mbeya | 6 | Mbozi | 081 | Iyula | 01 | Igale | 870 | 14 | 12 | 126 | 126081 | 12608101 |
| 12 | Mbeya | 6 | Mbozi | 081 | Iyula | 04 | Ilomba | 1014 | 15 | 12 | 126 | 126081 | 12608104 |
| 12 | Mbeya | 6 | Mbozi | 091 | Nyimbili | 01 | Masangula | 519 | 16 | 12 | 126 | 126091 | 12609101 |
| 12 | Mbeya | 6 | Mbozi | 091 | Nyimbili | 04 | Hezya | 611 | 17 | 12 | 126 | 126091 | 12609104 |
| 12 | Mbeya | 6 | Mbozi | 101 | Mlangali | 02 | Mbewe | 617 | 18 | 12 | 126 | 126101 | 12610102 |
| 12 | Mbeya | 6 | Mbozi | 101 | Mlangali | 06 | Shaji | 667 | 19 | 12 | 126 | 126101 | 12610106 |
| 12 | Mbeya | 6 | Mbozi | 111 | Myovizi | 03 | Maenje | 1105 | 20 | 12 | 126 | 126111 | 12611103 |
| 12 | Mbeya | 6 | Mbozi | 121 | Igamba | 01 | Msanyila | 1143 | 21 | 12 | 126 | 126121 | 12612101 |
| 12 | Mbeya | 6 | Mbozi | 121 | Igamba | 05 | Mbozi | 963 | 22 | 12 | 126 | 126121 | 12612105 |
| 12 | Mbeya | 6 | Mbozi | 131 | Halungu | 01 | Lwati | 573 | 23 | 12 | 126 | 126131 | 12613101 |
| 12 | Mbeya | 6 | Mbozi | 131 | Halungu | 04 | Halungu | 1197 | 24 | 12 | 126 | 126131 | 12613104 |
| 12 | Mbeya | 6 | Mbozi | 141 | Msia | 01 | Isalalo | 956 | 25 | 12 | 126 | 126141 | 12614101 |
| 12 | Mbeya | 6 | Mbozi | 141 | Msia | 04 | Ibembwa | 609 | 26 | 12 | 126 | 126141 | 12614104 |
| 12 | Mbeya | 6 | Mbozi | 153 | Mlowo | 01 | Mlowo | 1060 | 27 | 12 | 126 | 126153 | 12615301 |
| 12 | Mbeya | 6 | Mbozi | 163 | Vwawa | 01 | Old Vwawa | 371 | 28 | 12 | 126 | 126163 | 12616301 |
| 12 | Mbeya | 6 | Mbozi | 163 | Vwawa | 05 | Ilembo - Mwantengu 'B' | 676 | 29 | 12 | 126 | 126163 | 12616305 |
| 12 | Mbeya | 6 | Mbozi | 171 | Isandula | 04 | Chizumbi | 282 | 30 | 12 | 126 | 126171 | 12617104 |
| 12 | Mbeya | 6 | Mbozi | 181 | Ihanda | 02 | Ipanzya | 318 | 31 | 12 | 126 | 126181 | 12618102 |
| 12 | Mbeya | 6 | Mbozi | 181 | Ihanda | 07 | Shilanga | 408 | 32 | 12 | 126 | 126181 | 12618107 |
| 12 | Mbeya | 6 | Mbozi | 181 | Ihanda | 10 | Sakamwela | 685 | 33 | 12 | 126 | 126181 | 12618110 |
| 12 | Mbeya | 6 | Mbozi | 201 | Chiwezi | 03 | Namole | 436 | 34 | 12 | 126 | 126201 | 12620103 |
| 12 | Mbeya | 6 | Mbozi | 211 | Msangano | 02 | Msangano | 819 | 35 | 12 | 126 | 126211 | 12621102 |
| 12 | Mbeya | 6 | Mbozi | 221 | Chitete | 02 | Chitete | 800 | 36 | 12 | 126 | 126221 | 12622102 |
| 12 | Mbeya | 6 | Mbozi | 231 | Ndalambo | 03 | Nakawale | 423 | 37 | 12 | 126 | 126231 | 12623103 |
| 12 | Mbeya | 6 | Mbozi | 241 | Kapele | 05 | Kapele | 302 | 38 | 12 | 126 | 126241 | 12624105 |
| 12 | Mbeya | 6 | Mbozi | 261 | Nkangamo | 01 | Isanga | 431 | 39 | 12 | 126 | 126261 | 12626101 |
| 12 | Mbeya | 6 | Mbozi | 261 | Nkangamo | 02 | Chiwanda | 513 | 40 | 12 | 126 | 126261 | 12626102 |
| | | | **Mbozi Count** | | | | | | **40** | | | | |
| 12 | Mbeya | 7 | Mbarali | 021 | Madibira | 02 | Nyamakuyu | 349 | 01 | 12 | 127 | 127021 | 12702102 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Mbeya | 7 | Mbarali | 021 | Madibira | 03 | Mkunywa Mlonga | 1170 | 02 | 12 | 127 | 127021 | 12702103 |
| 12 | Mbeya | 7 | Mbarali | 021 | Madibira | 04 | Mahango | 1119 | 03 | 12 | 127 | 127021 | 12702104 |
| 12 | Mbeya | 7 | Mbarali | 021 | Madibira | 08 | Mapogoro | 747 | 04 | 12 | 127 | 127021 | 12702108 |
| 12 | Mbeya | 7 | Mbarali | 031 | Mawindi | 01 | Igunda | 538 | 05 | 12 | 127 | 127031 | 12703101 |
| 12 | Mbeya | 7 | Mbarali | 031 | Mawindi | 06 | Kangaga | 504 | 06 | 12 | 127 | 127031 | 12703106 |
| 12 | Mbeya | 7 | Mbarali | 031 | Mawindi | 09 | Isunura | 854 | 07 | 12 | 127 | 127031 | 12703109 |
| 12 | Mbeya | 7 | Mbarali | 043 | Rujewa | 01 | Nyeregete | 759 | 08 | 12 | 127 | 127043 | 12704301 |
| 12 | Mbeya | 7 | Mbarali | 043 | Rujewa | 04 | Uhamila | 435 | 09 | 12 | 127 | 127043 | 12704304 |
| 12 | Mbeya | 7 | Mbarali | 043 | Rujewa | 08 | Kanioga | 213 | 10 | 12 | 127 | 127043 | 12704308 |
| 12 | Mbeya | 7 | Mbarali | 051 | Mapogoro | 04 | Madabaga | 504 | 11 | 12 | 127 | 127051 | 12705104 |
| 12 | Mbeya | 7 | Mbarali | 051 | Mapogoro | 06 | Uturo | 549 | 12 | 12 | 127 | 127051 | 12705106 |
| 12 | Mbeya | 7 | Mbarali | 063 | Chimala | 04 | Kapunga | 493 | 13 | 12 | 127 | 127063 | 12706304 |
| 12 | Mbeya | 7 | Mbarali | 063 | Chimala | 07 | Muwale | 383 | 14 | 12 | 127 | 127063 | 12706307 |
| 12 | Mbeya | 7 | Mbarali | 071 | Utengule/Usangu | 01 | Madundasi | 455 | 15 | 12 | 127 | 127071 | 12707101 |
| 12 | Mbeya | 7 | Mbarali | 071 | Utengule/Usangu | 06 | Mpolo | 566 | 16 | 12 | 127 | 127071 | 12707106 |
| 12 | Mbeya | 7 | Mbarali | 071 | Utengule/Usangu | 08 | Mahango | 332 | 17 | 12 | 127 | 127071 | 12707108 |
| 12 | Mbeya | 7 | Mbarali | 081 | Ruiwa | 01 | Wimba Mahango | 640 | 18 | 12 | 127 | 127081 | 12708101 |
| 12 | Mbeya | 7 | Mbarali | 081 | Ruiwa | 05 | Ijumbi | 571 | 19 | 12 | 127 | 127081 | 12708105 |
| 12 | Mbeya | 7 | Mbarali | 091 | Mahongole | 03 | Ilongo | 627 | 20 | 12 | 127 | 127091 | 12709103 |
| 12 | Mbeya | 7 | Mbarali | 091 | Mahongole | 05 | Mhwela | 467 | 21 | 12 | 127 | 127091 | 12709105 |
| 12 | Mbeya | 7 | Mbarali | 103 | Ubaruku | 01 | Mwanavala | 444 | 22 | 12 | 127 | 127103 | 12710301 |
| 12 | Mbeya | 7 | Mbarali | 103 | Ubaruku | 03 | Urunda | 597 | 23 | 12 | 127 | 127103 | 12710303 |
| 12 | Mbeya | 7 | Mbarali | 103 | Ubaruku | 06 | Ibohora | 197 | 24 | 12 | 127 | 127103 | 12710306 |
| 12 | Mbeya | 7 | Mbarali | 113 | Igurusi | 02 | Kongolo Mswiswi | 736 | 25 | 12 | 127 | 127113 | 12711302 |
| 12 | Mbeya | 7 | Mbarali | 113 | Igurusi | 05 | Igurusi | 680 | 26 | 12 | 127 | 127113 | 12711305 |
| 12 | Mbeya | 7 | Mbarali | 113 | Igurusi | 07 | Mambi | 233 | 27 | 12 | 127 | 127113 | 12711307 |
| | | | **Mbarali Count** | | | | | | **27** | | | | |
| 12 | Mbeya | 8 | Mbeya Urban | 033 | Iganzo | 01 | Igodima | 148 | 01 | 12 | 128 | 128033 | 12803301 |
| 12 | Mbeya | 8 | Mbeya Urban | 041 | Mwansenkwa | 01 | Mwazumbo & Ikwala | 327 | 02 | 12 | 128 | 128041 | 12804101 |
| 12 | Mbeya | 8 | Mbeya Urban | 051 | Itagano | 01 | Lushuve & Itagano | 299 | 03 | 12 | 128 | 128051 | 12805101 |
| 12 | Mbeya | 8 | Mbeya Urban | 063 | Itezi | 01 | Gombe Kaskazini | 419 | 04 | 12 | 128 | 128063 | 12806301 |
| 12 | Mbeya | 8 | Mbeya Urban | 073 | Nsalaga | 01 | Ntundu | 226 | 05 | 12 | 128 | 128073 | 12807301 |
| 12 | Mbeya | 8 | Mbeya Urban | 083 | Igawilo | 01 | Mponja | 158 | 06 | 12 | 128 | 128083 | 12808301 |
| 12 | Mbeya | 8 | Mbeya Urban | 093 | Iganjo | 01 | Ikhanga | 330 | 07 | 12 | 128 | 128093 | 12809301 |
| 12 | Mbeya | 8 | Mbeya Urban | 103 | Uyole | 01 | Utukuyu | 342 | 08 | 12 | 128 | 128103 | 12810301 |
| 12 | Mbeya | 8 | Mbeya Urban | 113 | Iduda | 01 | Iduda Juu | 398 | 09 | 12 | 128 | 128113 | 12811301 |
| 12 | Mbeya | 8 | Mbeya Urban | 121 | Mwasanga | 01 | Mwasanga & Isoso | 127 | 10 | 12 | 128 | 128121 | 12812101 |
| 12 | Mbeya | 8 | Mbeya Urban | 131 | Tembela | 01 | Tembela & Reli | 228 | 11 | 12 | 128 | 128131 | 12813101 |
| 12 | Mbeya | 8 | Mbeya Urban | 143 | Ilomba | 01 | Tonya | 490 | 12 | 12 | 128 | 128143 | 12814301 |
| 12 | Mbeya | 8 | Mbeya Urban | 153 | Mwakibete | 01 | Shewa | 589 | 13 | 12 | 128 | 128153 | 12815301 |
| 12 | Mbeya | 8 | Mbeya Urban | 163 | Ilemi | 01 | Ilindi | 108 | 14 | 12 | 128 | 128163 | 12816301 |
| 12 | Mbeya | 8 | Mbeya Urban | 173 | Isyesye | 01 | Vingunguti | 366 | 15 | 12 | 128 | 128173 | 12817301 |
| 12 | Mbeya | 8 | Mbeya Urban | 193 | Iyela | 01 | Ilembo | 263 | 16 | 12 | 128 | 128193 | 12819301 |
| 12 | Mbeya | 8 | Mbeya Urban | 263 | Kalobe | 01 | Kalobe | 267 | 17 | 12 | 128 | 128263 | 12826301 |
| 12 | Mbeya | 8 | Mbeya Urban | 273 | Iyunga | 01 | Inyala | 229 | 18 | 12 | 128 | 128273 | 12827301 |
| 12 | Mbeya | 8 | Mbeya Urban | 273 | Iyunga | 02 | Sisitila | 197 | 19 | 12 | 128 | 128273 | 12827302 |
| 12 | Mbeya | 8 | Mbeya Urban | 273 | Iyunga | 03 | Igale | 047 | 20 | 12 | 128 | 128273 | 12827303 |
| 12 | Mbeya | 8 | Mbeya Urban | 283 | Iwambi | 01 | Mayombo | 110 | 21 | 12 | 128 | 128283 | 12828301 |
| 12 | Mbeya | 8 | Mbeya Urban | 291 | Itende | 01 | Isonta | 567 | 22 | 12 | 128 | 128291 | 12829101 |
| 12 | Mbeya | 8 | Mbeya Urban | 301 | Iziwa | 01 | Iduda,Isumbi | 698 | 23 | 12 | 128 | 128301 | 12830101 |
| 12 | Mbeya | 8 | Mbeya Urban | 313 | Nsoho | 01 | Nsoho | 252 | 24 | 12 | 128 | 128313 | 12831301 |
| | | | **Mbeya Urban Count** | | | | | | **24** | | | | |
| | Mbeya Count | | | | | | | | 242 | | | | |
| 13 | Singida | 1 | Iramba | 013 | Kiomboi | 05 | Mampanta | 360 | 01 | 13 | 131 | 131013 | 13101305 |
| 13 | Singida | 1 | Iramba | 021 | Kisiriri | 03 | Kinalilya | 267 | 02 | 13 | 131 | 131021 | 13102103 |
| 13 | Singida | 1 | Iramba | 031 | Tulya | 03 | Doromoni | 252 | 03 | 13 | 131 | 131031 | 13103103 |
| 13 | Singida | 1 | Iramba | 051 | Mpambala | 01 | Nyahaa | 292 | 04 | 13 | 131 | 131051 | 13105101 |
| 13 | Singida | 1 | Iramba | 063 | Ibaga | 02 | Mkalama | 452 | 05 | 13 | 131 | 131063 | 13106302 |
| 13 | Singida | 1 | Iramba | 071 | Mwangeza | 05 | Mwangeza | 348 | 06 | 13 | 131 | 131071 | 13107105 |
| 13 | Singida | 1 | Iramba | 081 | Nkinto | 04 | Kinyambuli | 349 | 07 | 13 | 131 | 131081 | 13108104 |
| 13 | Singida | 1 | Iramba | 091 | Mwanga | 02 | Kidarafa | 533 | 08 | 13 | 131 | 131091 | 13109102 |
| 13 | Singida | 1 | Iramba | 091 | Mwanga | 05 | Nkalankala | 580 | 09 | 13 | 131 | 131091 | 13109105 |
| 13 | Singida | 1 | Iramba | 101 | Ilunda | 02 | Singa | 651 | 10 | 13 | 131 | 131101 | 13110102 |
| 13 | Singida | 1 | Iramba | 101 | Ilunda | 05 | Iambi | 473 | 11 | 13 | 131 | 131101 | 13110105 |
| 13 | Singida | 1 | Iramba | 111 | Nduguti | 04 | Mwando | 521 | 12 | 13 | 131 | 131111 | 13111104 |
| 13 | Singida | 1 | Iramba | 121 | Gumanga | 01 | Kisuluiga | 382 | 13 | 13 | 131 | 131121 | 13112101 |
| 13 | Singida | 1 | Iramba | 131 | Msingi | 01 | Msingi | 367 | 14 | 13 | 131 | 131131 | 13113101 |
| 13 | Singida | 1 | Iramba | 141 | Kinyangili | 02 | Yulansoni | 385 | 15 | 13 | 131 | 131141 | 13114102 |
| 13 | Singida | 1 | Iramba | 141 | Kinyangili | 05 | Kikhonda | 514 | 16 | 13 | 131 | 131141 | 13114105 |
| 13 | Singida | 1 | Iramba | 153 | Iguguno | 04 | Senene | 430 | 17 | 13 | 131 | 131153 | 13115304 |
| 13 | Singida | 1 | Iramba | 161 | Kinampanda | 03 | Uwanza | 460 | 18 | 13 | 131 | 131161 | 13116103 |
| 13 | Singida | 1 | Iramba | 171 | Kyengege | 01 | Kyengege | 476 | 19 | 13 | 131 | 131171 | 13117101 |
| 13 | Singida | 1 | Iramba | 181 | Kaselya | 03 | Nsonga | 337 | 20 | 13 | 131 | 131181 | 13118103 |
| 13 | Singida | 1 | Iramba | 191 | Mbelekese | 01 | Misuna | 404 | 21 | 13 | 131 | 131191 | 13119101 |
| 13 | Singida | 1 | Iramba | 203 | Ndago | 02 | Songambele | 789 | 22 | 13 | 131 | 131203 | 13120302 |
| 13 | Singida | 1 | Iramba | 211 | Urughu | 02 | Masimba | 263 | 23 | 13 | 131 | 131211 | 13121102 |
| 13 | Singida | 1 | Iramba | 221 | Mtekente | 03 | Msansao | 656 | 24 | 13 | 131 | 131221 | 13122103 |
| 13 | Singida | 1 | Iramba | 231 | Ulemo | 02 | Ulemo | 467 | 25 | 13 | 131 | 131231 | 13123102 |
| 13 | Singida | 1 | Iramba | 241 | Mtoa | 01 | Masagi | 782 | 26 | 13 | 131 | 131241 | 13124101 |
| 13 | Singida | 1 | Iramba | 241 | Mtoa | 04 | Mtoa | 446 | 27 | 13 | 131 | 131241 | 13124104 |
| 13 | Singida | 1 | Iramba | 253 | Shelui | 03 | Mseko | 233 | 28 | 13 | 131 | 131253 | 13125303 |
| 13 | Singida | 1 | Iramba | 261 | Ntwike | 02 | Shelui II | 355 | 29 | 13 | 131 | 131261 | 13126102 |
| 13 | Singida | 1 | Iramba | 261 | Ntwike | 05 | Nsunsu | 591 | 30 | 13 | 131 | 131261 | 13126105 |
| | | | **Iramba Count** | | | | | | **30** | | | | |
| 13 | Singida | 2 | Singida Rural | 011 | Ughandi | 01 | Senene Mfuru | 357 | 01 | 13 | 132 | 132011 | 13201101 |
| 13 | Singida | 2 | Singida Rural | 011 | Ughandi | 04 | Ughandi "B" | 578 | 02 | 13 | 132 | 132011 | 13201104 |
| 13 | Singida | 2 | Singida Rural | 023 | Mtinko | 01 | Mpambaa | 366 | 03 | 13 | 132 | 132023 | 13202301 |
| 13 | Singida | 2 | Singida Rural | 023 | Mtinko | 05 | Ikiwu | 532 | 04 | 13 | 132 | 132023 | 13202305 |
| 13 | Singida | 2 | Singida Rural | 031 | Makuro | 02 | Ghalunyangu | 392 | 05 | 13 | 132 | 132031 | 13203102 |
| 13 | Singida | 2 | Singida Rural | 031 | Makuro | 05 | Ng'ong'oampoku | 458 | 06 | 13 | 132 | 132031 | 13203105 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | Singida | 2 | Singida Rural | 043 | Ilongero | 03 | Itamka | 434 | 07 | 13 | 132 | 132043 | 13204303 |
| 13 | Singida | 2 | Singida Rural | 051 | Ikhanoda | 01 | Mjughuda | 501 | 08 | 13 | 132 | 132051 | 13205101 |
| 13 | Singida | 2 | Singida Rural | 051 | Ikhanoda | 05 | Msimihi | 446 | 09 | 13 | 132 | 132051 | 13205105 |
| 13 | Singida | 2 | Singida Rural | 061 | Maghojoa | 02 | Sefunga | 513 | 10 | 13 | 132 | 132061 | 13206102 |
| 13 | Singida | 2 | Singida Rural | 061 | Maghojoa | 05 | Ghata | 699 | 11 | 13 | 132 | 132061 | 13206105 |
| 13 | Singida | 2 | Singida Rural | 071 | Merya | 03 | Kinyagigi | 254 | 12 | 13 | 132 | 132071 | 13207103 |
| 13 | Singida | 2 | Singida Rural | 081 | Kinyeto | 03 | Mkimbi | 384 | 13 | 13 | 132 | 132081 | 13208103 |
| 13 | Singida | 2 | Singida Rural | 081 | Kinyeto | 07 | Ntunduu Mkoa,Mtwara | 227 | 14 | 13 | 132 | 132081 | 13208107 |
| 13 | Singida | 2 | Singida Rural | 091 | Ngimu | 03 | Mwiganji | 405 | 15 | 13 | 132 | 132091 | 13209103 |
| 13 | Singida | 2 | Singida Rural | 101 | Mgori | 01 | Ndughamughanga | 261 | 16 | 13 | 132 | 132101 | 13210101 |
| 13 | Singida | 2 | Singida Rural | 111 | Siuyu | 01 | Mkungua Kihendo | 391 | 17 | 13 | 132 | 132111 | 13211101 |
| 13 | Singida | 2 | Singida Rural | 111 | Siuyu | 04 | Makotea | 275 | 18 | 13 | 132 | 132111 | 13211104 |
| 13 | Singida | 2 | Singida Rural | 133 | Mungaa | 01 | Kinku | 356 | 19 | 13 | 132 | 132133 | 13213301 |
| 13 | Singida | 2 | Singida Rural | 141 | Ntuntu | 01 | Mwisi | 389 | 20 | 13 | 132 | 132141 | 13214101 |
| 13 | Singida | 2 | Singida Rural | 141 | Ntuntu | 04 | Ntewa | 553 | 21 | 13 | 132 | 132141 | 13214104 |
| 13 | Singida | 2 | Singida Rural | 151 | Mangonyi | 03 | Sambaru | 277 | 22 | 13 | 132 | 132151 | 13215103 |
| 13 | Singida | 2 | Singida Rural | 161 | Issuna | 04 | Mkiwa | 310 | 23 | 13 | 132 | 132161 | 13216104 |
| 13 | Singida | 2 | Singida Rural | 173 | Ikungu | 04 | Matare | 592 | 24 | 13 | 132 | 132173 | 13217304 |
| 13 | Singida | 2 | Singida Rural | 173 | Ikungu | 30 | Ikungi | 583 | 25 | 13 | 132 | 132173 | 13217330 |
| 13 | Singida | 2 | Singida Rural | 181 | Dungunyi | 04 | Dungunyi | 341 | 26 | 13 | 132 | 132181 | 13218104 |
| 13 | Singida | 2 | Singida Rural | 193 | Puma | 04 | Nkuninkana | 374 | 27 | 13 | 132 | 132193 | 13219304 |
| 13 | Singida | 2 | Singida Rural | 201 | Ihanja | 01 | Unyangwe | 521 | 28 | 13 | 132 | 132201 | 13220101 |
| 13 | Singida | 2 | Singida Rural | 201 | Ihanja | 06 | Nduru | 366 | 29 | 13 | 132 | 132201 | 13220106 |
| 13 | Singida | 2 | Singida Rural | 211 | Minyughe | 03 | Minyughe | 659 | 30 | 13 | 132 | 132211 | 13221103 |
| 13 | Singida | 2 | Singida Rural | 221 | Muhintiri | 02 | Muhintiri | 628 | 31 | 13 | 132 | 132221 | 13222102 |
| 13 | Singida | 2 | Singida Rural | 221 | Muhintiri | 05 | Iglansoni | 1015 | 32 | 13 | 132 | 132221 | 13222105 |
| 13 | Singida | 2 | Singida Rural | 231 | Mgungira | 02 | Mgungira | 495 | 33 | 13 | 132 | 132231 | 13223102 |
| 13 | Singida | 2 | Singida Rural | 241 | Mwaru | 02 | Mpunguzi | 429 | 34 | 13 | 132 | 132241 | 13224102 |
| 13 | Singida | 2 | Singida Rural | 241 | Mwaru | 05 | Msosa | 322 | 35 | 13 | 132 | 132241 | 13224105 |
| 13 | Singida | 2 | Singida Rural | 251 | Sepuka | 03 | Kintandaa | 550 | 36 | 13 | 132 | 132251 | 13225103 |
| 13 | Singida | 2 | Singida Rural | 251 | Sepuka | 05 | Msimi | 875 | 37 | 13 | 132 | 132251 | 13225105 |
| 13 | Singida | 2 | Singida Rural | 261 | Irisya | 01 | Irisya | 489 | 38 | 13 | 132 | 132261 | 13226101 |
| 13 | Singida | 2 | Singida Rural | 271 | Msisi | 03 | Msisi | 418 | 39 | 13 | 132 | 132271 | 13227103 |
| 13 | Singida | 2 | Singida Rural | 281 | Mudida | 03 | Migugu | 556 | 40 | 13 | 132 | 132281 | 13228103 |
| | | | **Singida Rural Count** | | | | | | **40** | | | | |
| 13 | Singida | 3 | Manyoni | 013 | Manyoni | 01 | Mkwese | 539 | 01 | 13 | 133 | 133013 | 13301301 |
| 13 | Singida | 3 | Manyoni | 013 | Manyoni | 05 | Muhalala | 305 | 02 | 13 | 133 | 133013 | 13301305 |
| 13 | Singida | 3 | Manyoni | 023 | Kilimatinde | 02 | Solya | 286 | 03 | 13 | 133 | 133023 | 13302302 |
| 13 | Singida | 3 | Manyoni | 031 | Makuru | 02 | Makuru | 455 | 04 | 13 | 133 | 133031 | 13303102 |
| 13 | Singida | 3 | Manyoni | 031 | Makuru | 04 | Saranda | 824 | 05 | 13 | 133 | 133031 | 13303104 |
| 13 | Singida | 3 | Manyoni | 041 | Chikuyu | 02 | Makutopora | 717 | 06 | 13 | 133 | 133041 | 13304102 |
| 13 | Singida | 3 | Manyoni | 051 | Makanda | 01 | Magasai | 353 | 07 | 13 | 133 | 133051 | 13305101 |
| 13 | Singida | 3 | Manyoni | 051 | Makanda | 03 | Kitalalo | 427 | 08 | 13 | 133 | 133051 | 13305103 |
| 13 | Singida | 3 | Manyoni | 063 | Kintinku | 02 | Lusilile | 759 | 09 | 13 | 133 | 133063 | 13306302 |
| 13 | Singida | 3 | Manyoni | 071 | Maweni | 03 | Ngaiti | 560 | 10 | 13 | 133 | 133071 | 13307103 |
| 13 | Singida | 3 | Manyoni | 081 | Majiri | 03 | Majiri | 314 | 11 | 13 | 133 | 133081 | 13308103 |
| 13 | Singida | 3 | Manyoni | 091 | Sasajira | 01 | Chibumagwa | 758 | 12 | 13 | 133 | 133091 | 13309101 |
| 13 | Singida | 3 | Manyoni | 101 | Idodyandole | 02 | Idodyandole | 502 | 13 | 13 | 133 | 133101 | 13310102 |
| 13 | Singida | 3 | Manyoni | 111 | Chikola | 01 | Chikola | 734 | 14 | 13 | 133 | 133111 | 13311101 |
| 13 | Singida | 3 | Manyoni | 121 | Heka | 01 | Heka Azimio | 786 | 15 | 13 | 133 | 133121 | 13312101 |
| 13 | Singida | 3 | Manyoni | 121 | Heka | 03 | Sasilo | 1027 | 16 | 13 | 133 | 133121 | 13312103 |
| 13 | Singida | 3 | Manyoni | 131 | Nkonko | 01 | Mpola | 406 | 17 | 13 | 133 | 133131 | 13313101 |
| 13 | Singida | 3 | Manyoni | 131 | Nkonko | 03 | Nkonko | 445 | 18 | 13 | 133 | 133131 | 13313103 |
| 13 | Singida | 3 | Manyoni | 141 | Sanza | 03 | Sanza | 616 | 19 | 13 | 133 | 133141 | 13314103 |
| 13 | Singida | 3 | Manyoni | 151 | Isseke | 02 | Igwamadete | 431 | 20 | 13 | 133 | 133151 | 13315102 |
| 13 | Singida | 3 | Manyoni | 161 | Rungwa | 01 | Mwamagembe | 301 | 21 | 13 | 133 | 133161 | 13316101 |
| 13 | Singida | 3 | Manyoni | 173 | Mgandu | 02 | Mitundu | 786 | 22 | 13 | 133 | 133173 | 13317302 |
| 13 | Singida | 3 | Manyoni | 173 | Mgandu | 03 | Makale | 577 | 23 | 13 | 133 | 133173 | 13317303 |
| 13 | Singida | 3 | Manyoni | 173 | Mgandu | 04 | Kayui | 734 | 24 | 13 | 133 | 133173 | 13317304 |
| 13 | Singida | 3 | Manyoni | 183 | Itigi | 02 | Dorotto | 160 | 25 | 13 | 133 | 133183 | 13318302 |
| 13 | Singida | 3 | Manyoni | 191 | Ipande | 03 | Damwelu/Mgamboo | 265 | 26 | 13 | 133 | 133191 | 13319103 |
| 13 | Singida | 3 | Manyoni | 211 | Aghondi | 01 | Kamenyanga | 255 | 27 | 13 | 133 | 133211 | 13321101 |
| | | | **Manyoni Count** | | | | | | **27** | | | | |
| 13 | Singida | 4 | Singida Urban | 011 | Mtipa | 01 | Manga - Mafingwa | 582 | 01 | 13 | 134 | 134011 | 13401101 |
| 13 | Singida | 4 | Singida Urban | 011 | Mtipa | 02 | Mtipa - Madukani,Mwem | 484 | 02 | 13 | 134 | 134011 | 13401102 |
| 13 | Singida | 4 | Singida Urban | 051 | Unyambwa | 01 | Kisasida - Nambaro | 628 | 03 | 13 | 134 | 134051 | 13405101 |
| 13 | Singida | 4 | Singida Urban | 051 | Unyambwa | 02 | Unyambwa - Mangua | 620 | 04 | 13 | 134 | 134051 | 13405102 |
| 13 | Singida | 4 | Singida Urban | 071 | Unyamikumbi | 01 | Unyaminkumbi-"A" | 844 | 05 | 13 | 134 | 134071 | 13407101 |
| 13 | Singida | 4 | Singida Urban | 071 | Unyamikumbi | 02 | Ughaugha "A" | 412 | 06 | 13 | 134 | 134071 | 13407102 |
| 13 | Singida | 4 | Singida Urban | 071 | Unyamikumbi | 03 | Ughangha"B" | 210 | 07 | 13 | 134 | 134071 | 13407103 |
| 13 | Singida | 4 | Singida Urban | 071 | Unyamikumbi | 04 | Unyamikumbi-"B" | 438 | 08 | 13 | 134 | 134071 | 13407104 |
| 13 | Singida | 4 | Singida Urban | 071 | Unyamikumbi | 05 | Kisaki - Ng'aida | 575 | 09 | 13 | 134 | 134071 | 13407105 |
| 13 | Singida | 4 | Singida Urban | 081 | Mtamaa | 01 | Mtamaa 'B' - Kibata | 514 | 10 | 13 | 134 | 134081 | 13408101 |
| 13 | Singida | 4 | Singida Urban | 081 | Mtamaa | 02 | Mtamaa 'A' - Mutisi | 418 | 11 | 13 | 134 | 134081 | 13408102 |
| 13 | Singida | 4 | Singida Urban | 121 | Mwankoko | 01 | Mwankoko 'A' - Mughum | 500 | 12 | 13 | 134 | 134121 | 13412101 |
| 13 | Singida | 4 | Singida Urban | 121 | Mwankoko | 02 | Mwankoko 'B' - Mfumbu | 387 | 13 | 13 | 134 | 134121 | 13412102 |
| 13 | Singida | 4 | Singida Urban | 121 | Mwankoko | 03 | Unyianga - Isenge | 625 | 14 | 13 | 134 | 134121 | 13412103 |
| 13 | Singida | 4 | Singida Urban | 131 | Mandewa | 01 | Ititi - Misembe,Ititi | 176 | 15 | 13 | 134 | 134131 | 13413101 |
| 13 | Singida | 4 | Singida Urban | 131 | Mandewa | 02 | Uhakama - Misuna | 386 | 16 | 13 | 134 | 134131 | 13413102 |
| 13 | Singida | 4 | Singida Urban | 131 | Mandewa | 03 | Manguanjuki - Njuki,FFU | 215 | 17 | 13 | 134 | 134131 | 13413103 |
| 13 | Singida | 4 | Singida Urban | 131 | Mandewa | 04 | Mandewa - Unyanga | 934 | 18 | 13 | 134 | 134131 | 13413104 |
| | | | **Singida Urban Count** | | | | | | **18** | | | | |
| | Singida Count | | | | | | | | 115 | | | | |
| 14 | Tabora | 1 | Nzega | 011 | Puge | 01 | Busondo | 627 | 01 | 14 | 141 | 141011 | 14101101 |
| 14 | Tabora | 1 | Nzega | 021 | Nkiniziwa | 02 | Nkiniziwa | 533 | 02 | 14 | 141 | 141021 | 14102102 |
| 14 | Tabora | 1 | Nzega | 031 | Budushi | 01 | Budushi | 344 | 03 | 14 | 141 | 141031 | 14103101 |
| 14 | Tabora | 1 | Nzega | 041 | Mwakanshahala | 03 | Kigandu | 457 | 04 | 14 | 141 | 141041 | 14104103 |
| 14 | Tabora | 1 | Nzega | 051 | Tongi | 05 | Ndekeli | 750 | 05 | 14 | 141 | 141051 | 14105105 |
| 14 | Tabora | 1 | Nzega | 061 | Mizibaziba | 03 | Ibushi | 344 | 06 | 14 | 141 | 141061 | 14106103 |
| 14 | Tabora | 1 | Nzega | 081 | Magengati | 03 | Usagari | 284 | 07 | 14 | 141 | 141081 | 14108103 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Tabora | 1 | Nzega | 091 | Ndala | 03 | Uhemeli | 745 | 08 | 14 | 141 | 141091 | 14109103 |
| 14 | Tabora | 1 | Nzega | 121 | Mbogwe | 02 | Mbogwe | 292 | 09 | 14 | 141 | 141121 | 14112102 |
| 14 | Tabora | 1 | Nzega | 131 | Miguwa | 06 | Kitangili | 450 | 10 | 14 | 141 | 141131 | 14113106 |
| 14 | Tabora | 1 | Nzega | 141 | Itilo | 03 | Iyombo | 457 | 11 | 14 | 141 | 141141 | 14114103 |
| 14 | Tabora | 1 | Nzega | 151 | Muhugi | 03 | Nhumbili | 510 | 12 | 14 | 141 | 141151 | 14115103 |
| 14 | Tabora | 1 | Nzega | 161 | Utwigu | 05 | Ishiki | 472 | 13 | 14 | 141 | 141161 | 14116105 |
| 14 | Tabora | 1 | Nzega | 181 | Nzega Ndogo | 01 | Zogolo | 592 | 14 | 14 | 141 | 141181 | 14118101 |
| 14 | Tabora | 1 | Nzega | 191 | Lusu | 04 | Mwaluzwilo | 475 | 15 | 14 | 141 | 141191 | 14119104 |
| 14 | Tabora | 1 | Nzega | 201 | Nata | 03 | Nata | 530 | 16 | 14 | 141 | 141201 | 14120103 |
| 14 | Tabora | 1 | Nzega | 211 | Isanzu | 02 | Isanzu | 509 | 17 | 14 | 141 | 141211 | 14121102 |
| 14 | Tabora | 1 | Nzega | 221 | Itobo | 02 | Itobo | 358 | 18 | 14 | 141 | 141221 | 14122102 |
| 14 | Tabora | 1 | Nzega | 231 | Mwangoye | 03 | Sagida | 424 | 19 | 14 | 141 | 141231 | 14123103 |
| 14 | Tabora | 1 | Nzega | 241 | Sigili | 02 | Sigili | 568 | 20 | 14 | 141 | 141241 | 14124102 |
| 14 | Tabora | 1 | Nzega | 251 | Mwamala | 04 | Chaming'hwa | 191 | 21 | 14 | 141 | 141251 | 14125104 |
| 14 | Tabora | 1 | Nzega | 261 | Igusule | 02 | Ilalo | 491 | 22 | 14 | 141 | 141261 | 14126102 |
| 14 | Tabora | 1 | Nzega | 281 | Kasela | 01 | Nindo | 222 | 23 | 14 | 141 | 141281 | 14128101 |
| 14 | Tabora | 1 | Nzega | 291 | Karitu | 02 | Itunda | 637 | 24 | 14 | 141 | 141291 | 14129102 |
| 14 | Tabora | 1 | Nzega | 311 | Mogwa | 02 | Mogwa | 732 | 25 | 14 | 141 | 141311 | 14131102 |
| 14 | Tabora | 1 | Nzega | 321 | Mambali | 02 | Nkindu | 768 | 26 | 14 | 141 | 141321 | 14132102 |
| 14 | Tabora | 1 | Nzega | 321 | Mambali | 04 | Kikonoka | 352 | 27 | 14 | 141 | 141321 | 14132104 |
| 14 | Tabora | 1 | Nzega | 331 | Kahamanhalanga | 04 | Nhabala | 499 | 28 | 14 | 141 | 141331 | 14133104 |
| 14 | Tabora | 1 | Nzega | 351 | Semembela | 02 | Kasanga | 312 | 29 | 14 | 141 | 141351 | 14135102 |
| 14 | Tabora | 1 | Nzega | 371 | Ikindwa | 01 | Malolo | 422 | 30 | 14 | 141 | 141371 | 14137101 |
| | | | **Nzega Count** | | | | | | **30** | | | | |
| 14 | Tabora | 2 | Igunga | 013 | Igunga | 01 | Isugilo | 556 | 01 | 14 | 142 | 142013 | 14201301 |
| 14 | Tabora | 2 | Igunga | 013 | Igunga | 04 | Mwanzugi | 911 | 02 | 14 | 142 | 142013 | 14201304 |
| 14 | Tabora | 2 | Igunga | 021 | Itumba | 02 | Lugubu | 354 | 03 | 14 | 142 | 142021 | 14202102 |
| 14 | Tabora | 2 | Igunga | 031 | Bukoko | 03 | Ipumbulya | 295 | 04 | 14 | 142 | 142031 | 14203103 |
| 14 | Tabora | 2 | Igunga | 041 | Isakamaliwa | 03 | Hindishi | 178 | 05 | 14 | 142 | 142041 | 14204103 |
| 14 | Tabora | 2 | Igunga | 061 | Nanga | 01 | Nanga | 614 | 06 | 14 | 142 | 142061 | 14206101 |
| 14 | Tabora | 2 | Igunga | 061 | Nanga | 03 | Igogo | 542 | 07 | 14 | 142 | 142061 | 14206103 |
| 14 | Tabora | 2 | Igunga | 071 | Nguvumoja | 02 | Mwalala | 507 | 08 | 14 | 142 | 142071 | 14207102 |
| 14 | Tabora | 2 | Igunga | 081 | Mbutu | 02 | Bukama | 316 | 09 | 14 | 142 | 142081 | 14208102 |
| 14 | Tabora | 2 | Igunga | 091 | Kining'inila | 02 | Mwanyagula | 322 | 10 | 14 | 142 | 142091 | 14209102 |
| 14 | Tabora | 2 | Igunga | 111 | Mwamashimba | 01 | Mwamashimba | 537 | 11 | 14 | 142 | 142111 | 14211101 |
| 14 | Tabora | 2 | Igunga | 111 | Mwamashimba | 04 | Mwamakona | 378 | 12 | 14 | 142 | 142111 | 14211104 |
| 14 | Tabora | 2 | Igunga | 121 | Kinungu | 04 | Mwajilunga | 182 | 13 | 14 | 142 | 142121 | 14212104 |
| 14 | Tabora | 2 | Igunga | 141 | Itunduru | 01 | Itunduru | 446 | 14 | 14 | 142 | 142141 | 14214101 |
| 14 | Tabora | 2 | Igunga | 151 | Mwamashiga | 03 | Migongwa | 310 | 15 | 14 | 142 | 142151 | 14215103 |
| 14 | Tabora | 2 | Igunga | 163 | Choma | 03 | Bulangamilwa | 526 | 16 | 14 | 142 | 142163 | 14216303 |
| 14 | Tabora | 2 | Igunga | 171 | Mwashiku | 04 | Buchenjegele | 485 | 17 | 14 | 142 | 142171 | 14217104 |
| 14 | Tabora | 2 | Igunga | 181 | Ziba | 02 | Iborogero | 703 | 18 | 14 | 142 | 142181 | 14218102 |
| 14 | Tabora | 2 | Igunga | 191 | Ndembezi | 01 | Ndembezi | 698 | 19 | 14 | 142 | 142191 | 14219101 |
| 14 | Tabora | 2 | Igunga | 201 | Nkinga | 01 | Ulaya | 469 | 20 | 14 | 142 | 142201 | 14220101 |
| 14 | Tabora | 2 | Igunga | 201 | Nkinga | 04 | Nkinga | 1029 | 21 | 14 | 142 | 142201 | 14220104 |
| 14 | Tabora | 2 | Igunga | 211 | Ngulu | 01 | Ngulu | 111 | 22 | 14 | 142 | 142211 | 14221101 |
| 14 | Tabora | 2 | Igunga | 221 | Simbo | 02 | Tambalale | 313 | 23 | 14 | 142 | 142221 | 14222102 |
| 14 | Tabora | 2 | Igunga | 231 | Igoweko | 02 | Igoweko | 494 | 24 | 14 | 142 | 142231 | 14223102 |
| 14 | Tabora | 2 | Igunga | 241 | Mwisi | 01 | Isenegeja | 424 | 25 | 14 | 142 | 142241 | 14224101 |
| 14 | Tabora | 2 | Igunga | 251 | Chabutwa | 01 | Majengo | 303 | 26 | 14 | 142 | 142251 | 14225101 |
| 14 | Tabora | 2 | Igunga | 261 | Sungwizi | 02 | Mwamala | 415 | 27 | 14 | 142 | 142261 | 14226102 |
| | | | **Igunga Count** | | | | | | **27** | | | | |
| 14 | Tabora | 3 | Uyui | 011 | Lutende | 01 | Lutende | 558 | 01 | 14 | 143 | 143011 | 14301101 |
| 14 | Tabora | 3 | Uyui | 011 | Lutende | 04 | Mwisole | 721 | 02 | 14 | 143 | 143011 | 14301104 |
| 14 | Tabora | 3 | Uyui | 021 | Kizengi | 01 | Kizengi | 627 | 03 | 14 | 143 | 143021 | 14302101 |
| 14 | Tabora | 3 | Uyui | 021 | Kizengi | 05 | Karangasi | 215 | 04 | 14 | 143 | 143021 | 14302105 |
| 14 | Tabora | 3 | Uyui | 031 | Goweko | 02 | Goweko | 800 | 05 | 14 | 143 | 143031 | 14303102 |
| 14 | Tabora | 3 | Uyui | 031 | Goweko | 04 | Nsotolo | 779 | 06 | 14 | 143 | 143031 | 14303104 |
| 14 | Tabora | 3 | Uyui | 041 | Igalula | 01 | Kigwa 'B' | 888 | 07 | 14 | 143 | 143041 | 14304101 |
| 14 | Tabora | 3 | Uyui | 041 | Igalula | 05 | Igalula | 382 | 08 | 14 | 143 | 143041 | 14304105 |
| 14 | Tabora | 3 | Uyui | 053 | Ilolangulu | 03 | Isila | 308 | 09 | 14 | 143 | 143053 | 14305303 |
| 14 | Tabora | 3 | Uyui | 063 | Mabama | 01 | Kalola | 298 | 10 | 14 | 143 | 143063 | 14306301 |
| 14 | Tabora | 3 | Uyui | 063 | Mabama | 05 | Ideka | 178 | 11 | 14 | 143 | 143063 | 14306305 |
| 14 | Tabora | 3 | Uyui | 071 | Ndono | 03 | Ndono | 397 | 12 | 14 | 143 | 143071 | 14307103 |
| 14 | Tabora | 3 | Uyui | 081 | Ufuluma | 03 | Makazi | 309 | 13 | 14 | 143 | 143081 | 14308103 |
| 14 | Tabora | 3 | Uyui | 081 | Ufuluma | 05 | Chessa | 383 | 14 | 14 | 143 | 143081 | 14308105 |
| 14 | Tabora | 3 | Uyui | 091 | Usagali | 03 | Azimio | 302 | 15 | 14 | 143 | 143091 | 14309103 |
| 14 | Tabora | 3 | Uyui | 101 | Ibiri | 04 | Isumu | 108 | 16 | 14 | 143 | 143101 | 14310104 |
| 14 | Tabora | 3 | Uyui | 111 | Bukumbi | 01 | Nyangahe | 557 | 17 | 14 | 143 | 143111 | 14311101 |
| 14 | Tabora | 3 | Uyui | 111 | Bukumbi | 03 | Igilimba | 484 | 18 | 14 | 143 | 143111 | 14311103 |
| 14 | Tabora | 3 | Uyui | 111 | Bukumbi | 04 | Ishihimulwa | 1007 | 19 | 14 | 143 | 143111 | 14311104 |
| 14 | Tabora | 3 | Uyui | 121 | Ikongolo | 04 | Kanyenye | 263 | 20 | 14 | 143 | 143121 | 14312104 |
| 14 | Tabora | 3 | Uyui | 131 | Upuge | 04 | Kasenga | 152 | 21 | 14 | 143 | 143131 | 14313104 |
| 14 | Tabora | 3 | Uyui | 141 | Magiri | 02 | Imalampaka | 611 | 22 | 14 | 143 | 143141 | 14314102 |
| 14 | Tabora | 3 | Uyui | 141 | Magiri | 05 | Nsimbo | 503 | 23 | 14 | 143 | 143141 | 14314105 |
| 14 | Tabora | 3 | Uyui | 151 | Isikizya | 01 | Ilalwansimba | 352 | 24 | 14 | 143 | 143151 | 14315101 |
| 14 | Tabora | 3 | Uyui | 151 | Isikizya | 04 | Igoko | 417 | 25 | 14 | 143 | 143151 | 14315104 |
| 14 | Tabora | 3 | Uyui | 161 | Shitage | 02 | Shitage | 378 | 26 | 14 | 143 | 143161 | 14316102 |
| 14 | Tabora | 3 | Uyui | 171 | Loya | 02 | Loya | 414 | 27 | 14 | 143 | 143171 | 14317102 |
| | | | **Uyui Count** | | | | | | **27** | | | | |
| 14 | Tabora | 4 | Urambo | 013 | Urambo | 01 | Urambo Magh. | 497 | 01 | 14 | 144 | 144013 | 14401301 |
| 14 | Tabora | 4 | Urambo | 021 | Imalamakoye | 03 | Itebulanda | 652 | 02 | 14 | 144 | 144021 | 14402103 |
| 14 | Tabora | 4 | Urambo | 031 | Muungano | 02 | Muungano | 708 | 03 | 14 | 144 | 144031 | 14403102 |
| 14 | Tabora | 4 | Urambo | 041 | Itundu | 02 | Mpigwa | 436 | 04 | 14 | 144 | 144041 | 14404102 |
| 14 | Tabora | 4 | Urambo | 041 | Itundu | 05 | Wema | 489 | 05 | 14 | 144 | 144041 | 14404105 |
| 14 | Tabora | 4 | Urambo | 051 | Songambele | 02 | Songambele | 537 | 06 | 14 | 144 | 144051 | 14405102 |
| 14 | Tabora | 4 | Urambo | 051 | Songambele | 04 | Igunguli | 770 | 07 | 14 | 144 | 144051 | 14405104 |
| 14 | Tabora | 4 | Urambo | 061 | Ukondamoyo | 04 | Kamalendi | 284 | 08 | 14 | 144 | 144061 | 14406104 |
| 14 | Tabora | 4 | Urambo | 081 | Kapilula | 01 | Kapilula | 191 | 09 | 14 | 144 | 144081 | 14408101 |
| 14 | Tabora | 4 | Urambo | 101 | Uyumbu | 02 | Izimbili | 233 | 10 | 14 | 144 | 144101 | 14410102 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | Tabora | 4 | Urambo | 111 | Kiloleni | 03 | Kinhwa | 176 | 11 | 14 | 144 | 144111 | 14411103 |
| 14 | Tabora | 4 | Urambo | 121 | Usisya | 04 | Sipungu | 299 | 12 | 14 | 144 | 144121 | 14412104 |
| 14 | Tabora | 4 | Urambo | 141 | Kashishi | 01 | Kashishi | 808 | 13 | 14 | 144 | 144141 | 14414101 |
| 14 | Tabora | 4 | Urambo | 141 | Kashishi | 02 | Seleli | 764 | 14 | 14 | 144 | 144141 | 14414102 |
| 14 | Tabora | 4 | Urambo | 141 | Kashishi | 05 | King'wamgoko | 311 | 15 | 14 | 144 | 144141 | 14414105 |
| 14 | Tabora | 4 | Urambo | 141 | Kashishi | 07 | Nyasa | 762 | 16 | 14 | 144 | 144141 | 14414107 |
| 14 | Tabora | 4 | Urambo | 161 | Mwongozo | 01 | Mwongozo | 491 | 17 | 14 | 144 | 144161 | 14416101 |
| 14 | Tabora | 4 | Urambo | 171 | Kanindo | 01 | Kanindo | 879 | 18 | 14 | 144 | 144171 | 14417101 |
| 14 | Tabora | 4 | Urambo | 171 | Kanindo | 03 | Mbeta | 580 | 19 | 14 | 144 | 144171 | 14417103 |
| 14 | Tabora | 4 | Urambo | 181 | Milambo | 01 | Ikonongo | 751 | 20 | 14 | 144 | 144181 | 14418101 |
| 14 | Tabora | 4 | Urambo | 181 | Milambo | 03 | Mkindo | 722 | 21 | 14 | 144 | 144181 | 14418103 |
| 14 | Tabora | 4 | Urambo | 191 | Igombe Mkulu | 03 | Keza | 212 | 22 | 14 | 144 | 144191 | 14419103 |
| 14 | Tabora | 4 | Urambo | 211 | Ushokola | 03 | Pozamoyo | 161 | 23 | 14 | 144 | 144211 | 14421103 |
| 14 | Tabora | 4 | Urambo | 221 | Kazaroho | 02 | Igwisi | 562 | 24 | 14 | 144 | 144221 | 14422102 |
| 14 | Tabora | 4 | Urambo | 221 | Kazaroho | 05 | Nsimbo | 309 | 25 | 14 | 144 | 144221 | 14422105 |
| 14 | Tabora | 4 | Urambo | 231 | Igagala | 02 | Kazana upate | 281 | 26 | 14 | 144 | 144231 | 14423102 |
| 14 | Tabora | 4 | Urambo | 231 | Igagala | 05 | Kamsekwa | 517 | 27 | 14 | 144 | 144231 | 14423105 |
| 14 | Tabora | 4 | Urambo | 241 | Usinge | 01 | Usinge | 886 | 28 | 14 | 144 | 144241 | 14424101 |
| 14 | Tabora | 4 | Urambo | 251 | Ukumbisiganga | 01 | Ukumbisiganga | 563 | 29 | 14 | 144 | 144251 | 14425101 |
| 14 | Tabora | 4 | Urambo | 251 | Ukumbisiganga | 05 | Zugimlole | 454 | 30 | 14 | 144 | 144251 | 14425105 |
| | | | **Urambo Count** | | | | | | **30** | | | | |
| 14 | Tabora | 5 | Sikonge | 011 | Tutuo | 01 | Tutuo | 1024 | 01 | 14 | 145 | 145011 | 14501101 |
| 14 | Tabora | 5 | Sikonge | 011 | Tutuo | 02 | Mitowo | 425 | 02 | 14 | 145 | 145011 | 14501102 |
| 14 | Tabora | 5 | Sikonge | 011 | Tutuo | 03 | Mole | 687 | 03 | 14 | 145 | 145011 | 14501103 |
| 14 | Tabora | 5 | Sikonge | 011 | Tutuo | 04 | Usanganya | 704 | 04 | 14 | 145 | 145011 | 14501104 |
| 14 | Tabora | 5 | Sikonge | 021 | Chabutwa | 01 | Chabutwa | 261 | 05 | 14 | 145 | 145021 | 14502101 |
| 14 | Tabora | 5 | Sikonge | 021 | Chabutwa | 02 | Kikungu | 284 | 06 | 14 | 145 | 145021 | 14502102 |
| 14 | Tabora | 5 | Sikonge | 021 | Chabutwa | 05 | Mitwigu | 238 | 07 | 14 | 145 | 145021 | 14502105 |
| 14 | Tabora | 5 | Sikonge | 031 | Kiloleli | 02 | Kiloleli | 583 | 08 | 14 | 145 | 145031 | 14503102 |
| 14 | Tabora | 5 | Sikonge | 041 | Kipanga | 02 | Isanjandugu | 121 | 09 | 14 | 145 | 145041 | 14504102 |
| 14 | Tabora | 5 | Sikonge | 041 | Kipanga | 04 | Imalampaka | 241 | 10 | 14 | 145 | 145041 | 14504104 |
| 14 | Tabora | 5 | Sikonge | 041 | Kipanga | 06 | Ukondamoyo | 233 | 11 | 14 | 145 | 145041 | 14504106 |
| 14 | Tabora | 5 | Sikonge | 053 | Sikonge | 02 | Mkolye | 419 | 12 | 14 | 145 | 145053 | 14505302 |
| 14 | Tabora | 5 | Sikonge | 053 | Sikonge | 04 | Mwamayunga | 600 | 13 | 14 | 145 | 145053 | 14505304 |
| 14 | Tabora | 5 | Sikonge | 053 | Sikonge | 06 | Mlogolo | 201 | 14 | 14 | 145 | 145053 | 14505306 |
| 14 | Tabora | 5 | Sikonge | 061 | Igigwa | 01 | Igigwa | 679 | 15 | 14 | 145 | 145061 | 14506101 |
| 14 | Tabora | 5 | Sikonge | 061 | Igigwa | 04 | Lufisi | 271 | 16 | 14 | 145 | 145061 | 14506104 |
| 14 | Tabora | 5 | Sikonge | 061 | Igigwa | 05 | Nyahua | 909 | 17 | 14 | 145 | 145061 | 14506105 |
| 14 | Tabora | 5 | Sikonge | 071 | Kitunda | 01 | Mgambo | 483 | 18 | 14 | 145 | 145071 | 14507101 |
| 14 | Tabora | 5 | Sikonge | 071 | Kitunda | 02 | Mwenge | 713 | 19 | 14 | 145 | 145071 | 14507102 |
| 14 | Tabora | 5 | Sikonge | 081 | Kiloli | 01 | Mwitiko | 255 | 20 | 14 | 145 | 145081 | 14508101 |
| 14 | Tabora | 5 | Sikonge | 091 | Kipili | 01 | Zugimlole | 920 | 21 | 14 | 145 | 145091 | 14509101 |
| 14 | Tabora | 5 | Sikonge | 091 | Kipili | 02 | Zugimlole II | 321 | 22 | 14 | 145 | 145091 | 14509102 |
| 14 | Tabora | 5 | Sikonge | 091 | Kipili | 03 | Kikumbi | 440 | 23 | 14 | 145 | 145091 | 14509103 |
| 14 | Tabora | 5 | Sikonge | 101 | Pangale | 02 | Majengo | 248 | 24 | 14 | 145 | 145101 | 14510102 |
| 14 | Tabora | 5 | Sikonge | 101 | Pangale | 05 | Mpombwe | 260 | 25 | 14 | 145 | 145101 | 14510105 |
| 14 | Tabora | 5 | Sikonge | 111 | Ipole | 02 | Ipole | 470 | 26 | 14 | 145 | 145111 | 14511102 |
| 14 | Tabora | 5 | Sikonge | 111 | Ipole | 04 | Idekamiso | 134 | 27 | 14 | 145 | 145111 | 14511104 |
| | | | **Sikonge Count** | | | | | | **27** | | | | |
| 14 | Tabora | 6 | Tabora Urban | 033 | Mbugani | 01 | usule | 057 | 01 | 14 | 146 | 146033 | 14603301 |
| 14 | Tabora | 6 | Tabora Urban | 123 | Ng'ambo | 01 | Mbirani | 293 | 02 | 14 | 146 | 146123 | 14612301 |
| 14 | Tabora | 6 | Tabora Urban | 133 | Malolo | 01 | Mtakuja/Chang'ombe | 139 | 03 | 14 | 146 | 146133 | 14613301 |
| 14 | Tabora | 6 | Tabora Urban | 141 | Kakola | 01 | Kakola | 316 | 04 | 14 | 146 | 146141 | 14614101 |
| 14 | Tabora | 6 | Tabora Urban | 141 | Kakola | 02 | Magoweko | 286 | 05 | 14 | 146 | 146141 | 14614102 |
| 14 | Tabora | 6 | Tabora Urban | 141 | Kakola | 03 | Igombe | 591 | 06 | 14 | 146 | 146141 | 14614103 |
| 14 | Tabora | 6 | Tabora Urban | 151 | Uyui | 01 | Kalumwa | 176 | 07 | 14 | 146 | 146151 | 14615101 |
| 14 | Tabora | 6 | Tabora Urban | 151 | Uyui | 02 | Imalamihayo | 287 | 08 | 14 | 146 | 146151 | 14615102 |
| 14 | Tabora | 6 | Tabora Urban | 151 | Uyui | 03 | Uyui | 473 | 09 | 14 | 146 | 146151 | 14615103 |
| 14 | Tabora | 6 | Tabora Urban | 161 | Itonjanda | 01 | Kazima | 196 | 10 | 14 | 146 | 146161 | 14616101 |
| 14 | Tabora | 6 | Tabora Urban | 161 | Itonjanda | 02 | Itonjanda | 383 | 11 | 14 | 146 | 146161 | 14616102 |
| 14 | Tabora | 6 | Tabora Urban | 161 | Itonjanda | 03 | Ifucha | 288 | 12 | 14 | 146 | 146161 | 14616103 |
| 14 | Tabora | 6 | Tabora Urban | 171 | Ndevelwa | 01 | Inara | 515 | 13 | 14 | 146 | 146171 | 14617101 |
| 14 | Tabora | 6 | Tabora Urban | 171 | Ndevelwa | 02 | Ndevelwa | 548 | 14 | 14 | 146 | 146171 | 14617102 |
| 14 | Tabora | 6 | Tabora Urban | 171 | Ndevelwa | 03 | Itulu | 349 | 15 | 14 | 146 | 146171 | 14617103 |
| 14 | Tabora | 6 | Tabora Urban | 181 | Itetemia | 01 | Itetemia | 775 | 16 | 14 | 146 | 146181 | 14618101 |
| 14 | Tabora | 6 | Tabora Urban | 181 | Itetemia | 02 | Lusangi | 253 | 17 | 14 | 146 | 146181 | 14618102 |
| 14 | Tabora | 6 | Tabora Urban | 181 | Itetemia | 03 | Ntalikwa | 302 | 18 | 14 | 146 | 146181 | 14618103 |
| 14 | Tabora | 6 | Tabora Urban | 193 | Tumbi | 01 | Tumbi | 615 | 19 | 14 | 146 | 146193 | 14619301 |
| 14 | Tabora | 6 | Tabora Urban | 201 | Kalunde | 01 | Kalunde | 646 | 20 | 14 | 146 | 146201 | 14620101 |
| 14 | Tabora | 6 | Tabora Urban | 201 | Kalunde | 02 | Izimbili | 136 | 21 | 14 | 146 | 146201 | 14620102 |
| 14 | Tabora | 6 | Tabora Urban | 201 | Kalunde | 03 | Ulamba | 147 | 22 | 14 | 146 | 146201 | 14620103 |
| 14 | Tabora | 6 | Tabora Urban | 211 | Misha | 01 | Kabila | 398 | 23 | 14 | 146 | 146211 | 14621101 |
| 14 | Tabora | 6 | Tabora Urban | 211 | Misha | 02 | Misha | 185 | 24 | 14 | 146 | 146211 | 14621102 |
| 14 | Tabora | 6 | Tabora Urban | 211 | Misha | 03 | Masagala | 385 | 25 | 14 | 146 | 146211 | 14621103 |
| 14 | Tabora | 6 | Tabora Urban | 211 | Misha | 04 | Itaga | 366 | 26 | 14 | 146 | 146211 | 14621104 |
| 14 | Tabora | 6 | Tabora Urban | 211 | Misha | 05 | Igambiro | 486 | 27 | 14 | 146 | 146211 | 14621105 |
| | | | **Tabora Urban Count** | | | | | | **27** | | | | |
| | **Tabora Count** | | | | | | | | **168** | | | | |
| 15 | Rukwa | 1 | Mpanda | 011 | Kasokola | 03 | Kasokola | 444 | 01 | 15 | 151 | 151011 | 15101103 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 03 | Kabuga | 591 | 02 | 15 | 151 | 151033 | 15103303 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 06 | Lukama | 395 | 03 | 15 | 151 | 151033 | 15103306 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 09 | Kambuzi B | 564 | 04 | 15 | 151 | 151033 | 15103309 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 12 | Nduwi | 564 | 05 | 15 | 151 | 151033 | 15103312 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 17 | Mtambo | 496 | 06 | 15 | 151 | 151033 | 15103317 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 19 | Katumba | 601 | 07 | 15 | 151 | 151033 | 15103319 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 23 | Kenswa | 343 | 08 | 15 | 151 | 151033 | 15103323 |
| 15 | Rukwa | 1 | Mpanda | 033 | Katumba | 29 | Ikolongo B | 351 | 09 | 15 | 151 | 151033 | 15103329 |
| 15 | Rukwa | 1 | Mpanda | 053 | Inyonga | 02 | Nsenkwa | 281 | 10 | 15 | 151 | 151053 | 15105302 |
| 15 | Rukwa | 1 | Mpanda | 071 | Ilela | 03 | Mapili | 426 | 11 | 15 | 151 | 151071 | 15107103 |
| 15 | Rukwa | 1 | Mpanda | 091 | Mamba | 02 | kilida | 605 | 12 | 15 | 151 | 151091 | 15109102 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | Rukwa | 1 | Mpanda | 091 | Mamba | 04 | Mamba I | 725 | 13 | 15 | 151 | 151091 | 15109104 |
| 15 | Rukwa | 1 | Mpanda | 101 | Mbede | 02 | mwamapuli II | 721 | 14 | 15 | 151 | 151101 | 15110102 |
| 15 | Rukwa | 1 | Mpanda | 111 | Urwira | 01 | Urwira | 374 | 15 | 15 | 151 | 151111 | 15111101 |
| 15 | Rukwa | 1 | Mpanda | 121 | Nsimbo | 05 | Mtakuja | 269 | 16 | 15 | 151 | 151121 | 15112105 |
| 15 | Rukwa | 1 | Mpanda | 141 | Sitalike | 02 | Matandalani | 332 | 17 | 15 | 151 | 151141 | 15114102 |
| 15 | Rukwa | 1 | Mpanda | 153 | Usevya | 02 | Ikuba | 633 | 18 | 15 | 151 | 151153 | 15115302 |
| 15 | Rukwa | 1 | Mpanda | 171 | Machimboni | 01 | Ibindi | 829 | 19 | 15 | 151 | 151171 | 15117101 |
| 15 | Rukwa | 1 | Mpanda | 171 | Machimboni | 04 | Kapanda | 400 | 20 | 15 | 151 | 151171 | 15117104 |
| 15 | Rukwa | 1 | Mpanda | 183 | karema | 03 | Kapalamsenga | 617 | 21 | 15 | 151 | 151183 | 15118303 |
| 15 | Rukwa | 1 | Mpanda | 191 | Ikola | 04 | Ikola I | 962 | 22 | 15 | 151 | 151191 | 15119104 |
| 15 | Rukwa | 1 | Mpanda | 201 | Kabungu | 04 | Kabungu | 938 | 23 | 15 | 151 | 151201 | 15120104 |
| 15 | Rukwa | 1 | Mpanda | 201 | Kabungu | 06 | Msungani I | 953 | 24 | 15 | 151 | 151201 | 15120106 |
| 15 | Rukwa | 1 | Mpanda | 223 | Mishamo | 02 | Ipwaga | 647 | 25 | 15 | 151 | 151223 | 15122302 |
| 15 | Rukwa | 1 | Mpanda | 223 | Mishamo | 05 | Isubangala | 523 | 26 | 15 | 151 | 151223 | 15122305 |
| 15 | Rukwa | 1 | Mpanda | 223 | Mishamo | 09 | Kapemba | 346 | 27 | 15 | 151 | 151223 | 15122309 |
| 15 | Rukwa | 1 | Mpanda | 223 | Mishamo | 13 | Kamtela | 500 | 28 | 15 | 151 | 151223 | 15122313 |
| 15 | Rukwa | 1 | Mpanda | 231 | Katuma | 01 | Sibwesa | 447 | 29 | 15 | 151 | 151231 | 15123101 |
| 15 | Rukwa | 1 | Mpanda | 241 | Mpanda Ndogo | 03 | Igagala | 230 | 30 | 15 | 151 | 151241 | 15124103 |
| | | | **Mpanda Count** | | | | | | **30** | | | | |
| 15 | Rukwa | 2 | Sumbawanga Rura | 011 | Kasanga | 01 | Samazi | 382 | 01 | 15 | 152 | 152011 | 15201101 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 011 | Kasanga | 04 | Kisumba | 919 | 02 | 15 | 152 | 152011 | 15201104 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 011 | Kasanga | 07 | Kapozwa | 561 | 03 | 15 | 152 | 152011 | 15201107 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 011 | Kasanga | 11 | Kasanga | 502 | 04 | 15 | 152 | 152011 | 15201111 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 021 | Mkowe | 03 | Mbuza | 304 | 05 | 15 | 152 | 152021 | 15202103 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 031 | Msanzi | 05 | Msanzi | 612 | 06 | 15 | 152 | 152031 | 15203105 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 043 | Matai | 04 | Kalalasi | 246 | 07 | 15 | 152 | 152043 | 15204304 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 051 | Sopa | 02 | Mtuntumbe | 354 | 08 | 15 | 152 | 152051 | 15205102 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 051 | Sopa | 06 | Kamawe | 177 | 09 | 15 | 152 | 152051 | 15205106 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 061 | Mwazye | 01 | Kilesha | 210 | 10 | 15 | 152 | 152061 | 15206101 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 061 | Mwazye | 04 | Mwazye | 614 | 11 | 15 | 152 | 152061 | 15206104 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 071 | Katazi | 02 | Kanyezi | 360 | 12 | 15 | 152 | 152071 | 15207102 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 071 | Katazi | 06 | Ninga | 1005 | 13 | 15 | 152 | 152071 | 15207106 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 081 | Mwimbi | 04 | Kalepula | 805 | 14 | 15 | 152 | 152081 | 15208104 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 081 | Mwimbi | 07 | Ulumi | 574 | 15 | 15 | 152 | 152081 | 15208107 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 081 | Mwimbi | 12 | Mwimbi | 719 | 16 | 15 | 152 | 152081 | 15208112 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 091 | Mambwekenya | 04 | Madibila | 428 | 17 | 15 | 152 | 152091 | 15209104 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 101 | Mambwenkoswe | 03 | Ilonga | 180 | 18 | 15 | 152 | 152101 | 15210103 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 121 | Miangalula | 02 | Miangalula | 386 | 19 | 15 | 152 | 152121 | 15212102 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 133 | Laela | 01 | Kititi | 321 | 20 | 15 | 152 | 152133 | 15213301 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 141 | Lusaka | 01 | Lusaka | 521 | 21 | 15 | 152 | 152141 | 15214101 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 141 | Lusaka | 05 | Lowe | 321 | 22 | 15 | 152 | 152141 | 15214105 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 151 | Kalambazite | 04 | Kilembo | 661 | 23 | 15 | 152 | 152151 | 15215104 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 151 | Kalambazite | 05 | Ikozi | 1848 | 24 | 15 | 152 | 152151 | 15215105 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 161 | Mpui | 03 | Mkua | 248 | 25 | 15 | 152 | 152161 | 15216103 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 171 | Kaengesa | 01 | Lula | 503 | 26 | 15 | 152 | 152171 | 15217101 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 171 | Kaengesa | 03 | Mkunda | 602 | 27 | 15 | 152 | 152171 | 15217103 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 171 | Kaengesa | 07 | Kyanda | 432 | 28 | 15 | 152 | 152171 | 15217107 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 181 | Sandulula | 02 | Msanda Muungano | 548 | 29 | 15 | 152 | 152181 | 15218102 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 181 | Sandulula | 06 | Malolwa | 369 | 30 | 15 | 152 | 152181 | 15218106 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 191 | Muze | 01 | Uzia | 613 | 31 | 15 | 152 | 152191 | 15219101 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 191 | Muze | 03 | Muze | 933 | 32 | 15 | 152 | 152191 | 15219103 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 191 | Muze | 09 | Mpete | 207 | 33 | 15 | 152 | 152191 | 15219109 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 203 | Mtowisa | 02 | Lwanji | 357 | 34 | 15 | 152 | 152203 | 15220302 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 203 | Mtowisa | 06 | Kifinga | 192 | 35 | 15 | 152 | 152203 | 15220306 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 211 | Milepa | 03 | Ilemba | 498 | 36 | 15 | 152 | 152211 | 15221103 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 211 | Milepa | 07 | Kisa | 373 | 37 | 15 | 152 | 152211 | 15221107 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 221 | Kaoze | 03 | Kyanda igonda | 478 | 38 | 15 | 152 | 152221 | 15222103 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 221 | Kaoze | 06 | Kapenta | 533 | 39 | 15 | 152 | 152221 | 15222106 |
| 15 | Rukwa | 2 | Sumbawanga Rura | 231 | Kipeta | 04 | Kilyamatundu | 522 | 40 | 15 | 152 | 152231 | 15223104 |
| | | | **Sumbawanga Rural Count** | | | | | | **40** | | | | |
| 15 | Rukwa | 3 | Nkasi | 013 | Namanyere | 01 | Mkole | 270 | 01 | 15 | 153 | 153013 | 15301301 |
| 15 | Rukwa | 3 | Nkasi | 013 | Namanyere | 04 | Kanazi | 270 | 02 | 15 | 153 | 153013 | 15301304 |
| 15 | Rukwa | 3 | Nkasi | 013 | Namanyere | 10 | Nkomolo | 056 | 03 | 15 | 153 | 153013 | 15301310 |
| 15 | Rukwa | 3 | Nkasi | 021 | Mtenga | 03 | Mwai | 284 | 04 | 15 | 153 | 153021 | 15302103 |
| 15 | Rukwa | 3 | Nkasi | 021 | Mtenga | 05 | Mashete | 525 | 05 | 15 | 153 | 153021 | 15302105 |
| 15 | Rukwa | 3 | Nkasi | 031 | Mkwamba | 02 | Tambaruka | 231 | 06 | 15 | 153 | 153031 | 15303102 |
| 15 | Rukwa | 3 | Nkasi | 043 | Chala | 01 | Kasu | 600 | 07 | 15 | 153 | 153043 | 15304301 |
| 15 | Rukwa | 3 | Nkasi | 043 | Chala | 04 | Katani | 379 | 08 | 15 | 153 | 153043 | 15304304 |
| 15 | Rukwa | 3 | Nkasi | 051 | Kipande | 01 | Kantawa | 480 | 09 | 15 | 153 | 153051 | 15305101 |
| 15 | Rukwa | 3 | Nkasi | 051 | Kipande | 04 | Nkundi | 699 | 10 | 15 | 153 | 153051 | 15305104 |
| 15 | Rukwa | 3 | Nkasi | 061 | Isale | 01 | Mtapenda | 129 | 11 | 15 | 153 | 153061 | 15306101 |
| 15 | Rukwa | 3 | Nkasi | 061 | Isale | 04 | Msilihofu | 268 | 12 | 15 | 153 | 153061 | 15306104 |
| 15 | Rukwa | 3 | Nkasi | 071 | Kate | 01 | China | 330 | 13 | 15 | 153 | 153071 | 15307101 |
| 15 | Rukwa | 3 | Nkasi | 071 | Kate | 04 | Chalatila | 198 | 14 | 15 | 153 | 153071 | 15307104 |
| 15 | Rukwa | 3 | Nkasi | 071 | Kate | 07 | Kate | 495 | 15 | 15 | 153 | 153071 | 15307107 |
| 15 | Rukwa | 3 | Nkasi | 081 | Sintali | 02 | Nkana | 590 | 16 | 15 | 153 | 153081 | 15308102 |
| 15 | Rukwa | 3 | Nkasi | 091 | Kala | 02 | Kilambo | 220 | 17 | 15 | 153 | 153091 | 15309102 |
| 15 | Rukwa | 3 | Nkasi | 091 | Kala | 05 | Tundu | 171 | 18 | 15 | 153 | 153091 | 15309105 |
| 15 | Rukwa | 3 | Nkasi | 101 | Wampelembe | 03 | Ng'undwe | 161 | 19 | 15 | 153 | 153101 | 15310103 |
| 15 | Rukwa | 3 | Nkasi | 101 | Wampelembe | 06 | Lyapinda | 208 | 20 | 15 | 153 | 153101 | 15310106 |
| 15 | Rukwa | 3 | Nkasi | 111 | Ninde | 03 | Namansi | 277 | 21 | 15 | 153 | 153111 | 15311103 |
| 15 | Rukwa | 3 | Nkasi | 123 | Kirando | 03 | Itete | 299 | 22 | 15 | 153 | 153123 | 15312303 |
| 15 | Rukwa | 3 | Nkasi | 123 | Kirando | 06 | Katongolo | 297 | 23 | 15 | 153 | 153123 | 15312306 |
| 15 | Rukwa | 3 | Nkasi | 123 | Kirando | 09 | Mkinga | 664 | 24 | 15 | 153 | 153123 | 15312309 |
| 15 | Rukwa | 3 | Nkasi | 133 | Kabwe | 03 | Kanchui | 163 | 25 | 15 | 153 | 153133 | 15313303 |
| 15 | Rukwa | 3 | Nkasi | 133 | Kabwe | 06 | Korongwe no.12 | 745 | 26 | 15 | 153 | 153133 | 15313306 |
| 15 | Rukwa | 3 | Nkasi | 133 | Kabwe | 08 | Kazovu | 934 | 27 | 15 | 153 | 153133 | 15313308 |
| | | | **Nkasi Count** | | | | | | **27** | | | | |
| 15 | Rukwa | 4 | Sumbawanga Urba | 013 | Malangali | 01 | Makazi mapya | 190 | 01 | 15 | 154 | 154013 | 15401301 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 053 | Old Sumbawanga | 01 | Tambazi | 190 | 02 | 15 | 154 | 154053 | 15405301 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | Rukwa | 4 | Sumbawanga Urba | 071 | Ntendo | 01 | fyengereza | 292 | 03 | 15 | 154 | 154071 | 15407101 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 071 | Ntendo | 03 | Ntendo | 412 | 04 | 15 | 154 | 154071 | 15407103 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 071 | Ntendo | 04 | Kanondo | 258 | 05 | 15 | 154 | 154071 | 15407104 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 081 | Senga | 01 | Senga | 222 | 06 | 15 | 154 | 154081 | 15408101 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 081 | Senga | 02 | Kankwale | 375 | 07 | 15 | 154 | 154081 | 15408102 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 081 | Senga | 03 | Wipanga | 252 | 08 | 15 | 154 | 154081 | 15408103 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 081 | Senga | 04 | Lusanzi | 165 | 09 | 15 | 154 | 154081 | 15408104 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 081 | Senga | 05 | Mponda | 257 | 10 | 15 | 154 | 154081 | 15408105 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 091 | Mollo | 01 | Malonje | 284 | 11 | 15 | 154 | 154091 | 15409101 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 091 | Mollo | 02 | Isesa | 419 | 12 | 15 | 154 | 154091 | 15409102 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 091 | Mollo | 03 | Ilinji | 308 | 13 | 15 | 154 | 154091 | 15409103 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 091 | Mollo | 04 | Mawenzusi | 536 | 14 | 15 | 154 | 154091 | 15409104 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 101 | Pito | 01 | Malagano | 586 | 15 | 15 | 154 | 154101 | 15410101 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 101 | Pito | 02 | Pito | 307 | 16 | 15 | 154 | 154101 | 15410102 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 101 | Pito | 03 | Katumba | 602 | 17 | 15 | 154 | 154101 | 15410103 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 101 | Pito | 04 | Tamasenga | 722 | 18 | 15 | 154 | 154101 | 15410104 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 111 | Milanzi | 01 | Milanzi | 393 | 19 | 15 | 154 | 154111 | 15411101 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 111 | Milanzi | 02 | Mlanda | 732 | 20 | 15 | 154 | 154111 | 15411102 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 111 | Milanzi | 03 | Nambogo | 255 | 21 | 15 | 154 | 154111 | 15411103 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 121 | Matanga | 01 | matanga | 335 | 22 | 15 | 154 | 154121 | 15412101 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 121 | Matanga | 02 | Kisumba | 340 | 23 | 15 | 154 | 154121 | 15412102 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 121 | Matanga | 03 | Chelenganya | 235 | 24 | 15 | 154 | 154121 | 15412103 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 131 | Kasense | 01 | kasense | 295 | 25 | 15 | 154 | 154131 | 15413101 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 131 | Kasense | 02 | Chipu | 417 | 26 | 15 | 154 | 154131 | 15413102 |
| 15 | Rukwa | 4 | Sumbawanga Urba | 131 | Kasense | 03 | Mtimbwa | 475 | 27 | 15 | 154 | 154131 | 15413103 |
| | | | **Sumbawanga Urban Count** | | | | | | **27** | | | | |
| | **Rukwa Count** | | | | | | | | **124** | | | | |
| 16 | Kigoma | 1 | Kibondo | 013 | Kibondo Mjini | 01 | Nengo | 533 | 01 | 16 | 161 | 161013 | 16101301 |
| 16 | Kigoma | 1 | Kibondo | 013 | Kibondo Mjini | 03 | Kumwambu | 896 | 02 | 16 | 161 | 161013 | 16101303 |
| 16 | Kigoma | 1 | Kibondo | 021 | Misezero | 04 | Kumuhama 'B' - Nyangu | 598 | 03 | 16 | 161 | 161021 | 16102104 |
| 16 | Kigoma | 1 | Kibondo | 031 | Bunyambo | 02 | Minyinya | 602 | 04 | 16 | 161 | 161031 | 16103102 |
| 16 | Kigoma | 1 | Kibondo | 041 | Kitahana | 02 | Kiahana | 798 | 05 | 16 | 161 | 161041 | 16104102 |
| 16 | Kigoma | 1 | Kibondo | 051 | Busagara | 01 | Kigendeka | 732 | 06 | 16 | 161 | 161051 | 16105101 |
| 16 | Kigoma | 1 | Kibondo | 051 | Busagara | 03 | Nyaruyoba | 764 | 07 | 16 | 161 | 161051 | 16105103 |
| 16 | Kigoma | 1 | Kibondo | 061 | Rugongwe | 01 | Kigaga | 001 | 08 | 16 | 161 | 161061 | 16106101 |
| 16 | Kigoma | 1 | Kibondo | 061 | Rugongwe | 04 | Busunzu | 737 | 09 | 16 | 161 | 161061 | 16106104 |
| 16 | Kigoma | 1 | Kibondo | 071 | Murungu | 01 | Kumuhasha | 495 | 10 | 16 | 161 | 161071 | 16107101 |
| 16 | Kigoma | 1 | Kibondo | 083 | Kakonko | 03 | Mbizi | 547 | 11 | 16 | 161 | 161083 | 16108303 |
| 16 | Kigoma | 1 | Kibondo | 083 | Kakonko | 06 | Kabingo | 942 | 12 | 16 | 161 | 161083 | 16108306 |
| 16 | Kigoma | 1 | Kibondo | 091 | Rugenge | 01 | kasongati | 001 | 13 | 16 | 161 | 161091 | 16109101 |
| 16 | Kigoma | 1 | Kibondo | 101 | Kasuga | 02 | Kasuga | 561 | 14 | 16 | 161 | 161101 | 16110102 |
| 16 | Kigoma | 1 | Kibondo | 111 | Muhange | 01 | Gwarama | 882 | 15 | 16 | 161 | 161111 | 16111101 |
| 16 | Kigoma | 1 | Kibondo | 111 | Muhange | 03 | Muhange | 957 | 16 | 16 | 161 | 161111 | 16111103 |
| 16 | Kigoma | 1 | Kibondo | 131 | Nyamtukuza | 01 | Nyamtukuza | 436 | 17 | 16 | 161 | 161131 | 16113101 |
| 16 | Kigoma | 1 | Kibondo | 141 | Kasanda | 01 | Kazilamihunda | 757 | 18 | 16 | 161 | 161141 | 16114101 |
| 16 | Kigoma | 1 | Kibondo | 141 | Kasanda | 03 | Kasanda II | 388 | 19 | 16 | 161 | 161141 | 16114103 |
| 16 | Kigoma | 1 | Kibondo | 151 | Gwanumpu | 03 | Ilabiro | 621 | 20 | 16 | 161 | 161151 | 16115103 |
| 16 | Kigoma | 1 | Kibondo | 151 | Gwanumpu | 04 | Bukirilo | 001 | 21 | 16 | 161 | 161151 | 16115104 |
| 16 | Kigoma | 1 | Kibondo | 161 | Mugunzu | 03 | Nyagwijima | 943 | 22 | 16 | 161 | 161161 | 16116103 |
| 16 | Kigoma | 1 | Kibondo | 173 | Mabamba | 03 | Nyange | 497 | 23 | 16 | 161 | 161173 | 16117303 |
| 16 | Kigoma | 1 | Kibondo | 181 | Kizazi | 01 | Nyabitaka | 746 | 24 | 16 | 161 | 161181 | 16118101 |
| 16 | Kigoma | 1 | Kibondo | 191 | Kumsenga | 01 | Kumsenga | 712 | 25 | 16 | 161 | 161191 | 16119101 |
| 16 | Kigoma | 1 | Kibondo | 191 | Kumsenga | 03 | Kibuye | 815 | 26 | 16 | 161 | 161191 | 16119103 |
| 16 | Kigoma | 1 | Kibondo | 201 | Itaba | 02 | Mukabuye | 001 | 27 | 16 | 161 | 161201 | 16120102 |
| | | | **Kibondo Count** | | | | | | **27** | | | | |
| 16 | Kigoma | 2 | Kasulu | 011 | Kitanga | 01 | Kitanga | 1190 | 01 | 16 | 162 | 162011 | 16201101 |
| 16 | Kigoma | 2 | Kasulu | 021 | Heru Shingo | 03 | Kigadye | 352 | 02 | 16 | 162 | 162021 | 16202103 |
| 16 | Kigoma | 2 | Kasulu | 041 | Nyamidaho | 01 | Mvugwe | 726 | 03 | 16 | 162 | 162041 | 16204101 |
| 16 | Kigoma | 2 | Kasulu | 061 | Kitagata | 01 | Kitagata | 512 | 04 | 16 | 162 | 162061 | 16206101 |
| 16 | Kigoma | 2 | Kasulu | 071 | Nyakitonto | 02 | Nyakitonto | 718 | 05 | 16 | 162 | 162071 | 16207102 |
| 16 | Kigoma | 2 | Kasulu | 081 | Nyamnyusi | 03 | Kanazi | 702 | 06 | 16 | 162 | 162081 | 16208103 |
| 16 | Kigoma | 2 | Kasulu | 101 | Ruhita | 03 | Migunga | 632 | 07 | 16 | 162 | 162101 | 16210103 |
| 16 | Kigoma | 2 | Kasulu | 111 | Titye | 01 | Lalambe | 365 | 08 | 16 | 162 | 162111 | 16211101 |
| 16 | Kigoma | 2 | Kasulu | 121 | Kigondo | 02 | Kidyama | 638 | 09 | 16 | 162 | 162121 | 16212102 |
| 16 | Kigoma | 2 | Kasulu | 141 | Rungwe Mpya | 02 | Nyumbigwa | 1127 | 10 | 16 | 162 | 162141 | 16214102 |
| 16 | Kigoma | 2 | Kasulu | 141 | Rungwe Mpya | 01 | Rungwe Mpya | 906 | 11 | 16 | 162 | 162141 | 16214101 |
| 16 | Kigoma | 2 | Kasulu | 151 | Muzye | 03 | Muzye | 930 | 12 | 16 | 162 | 162151 | 16215103 |
| 16 | Kigoma | 2 | Kasulu | 151 | Muzye | 06 | Kasangezi | 1016 | 13 | 16 | 162 | 162151 | 16215106 |
| 16 | Kigoma | 2 | Kasulu | 161 | Rusesa | 02 | Zeze | 482 | 14 | 16 | 162 | 162161 | 16216102 |
| 16 | Kigoma | 2 | Kasulu | 181 | Munzeze | 01 | Munzeze | 1154 | 15 | 16 | 162 | 162181 | 16218101 |
| 16 | Kigoma | 2 | Kasulu | 191 | Muhunga | 02 | Heru Juu | 682 | 16 | 16 | 162 | 162191 | 16219102 |
| 16 | Kigoma | 2 | Kasulu | 201 | Janda | 01 | Bukuba | 791 | 17 | 16 | 162 | 162201 | 16220101 |
| 16 | Kigoma | 2 | Kasulu | 211 | Rusaba | 01 | Kinazi | 743 | 18 | 16 | 162 | 162211 | 16221101 |
| 16 | Kigoma | 2 | Kasulu | 221 | Muhinda | 01 | Mwayaya | 1580 | 19 | 16 | 162 | 162221 | 16222101 |
| 16 | Kigoma | 2 | Kasulu | 221 | Muhinda | 02 | Muhinda | 731 | 20 | 16 | 162 | 162221 | 16222102 |
| 16 | Kigoma | 2 | Kasulu | 231 | Munanila | 02 | Kibwigwa | 929 | 21 | 16 | 162 | 162231 | 16223102 |
| 16 | Kigoma | 2 | Kasulu | 231 | Munanila | 04 | Nyakimue | 858 | 22 | 16 | 162 | 162231 | 16223104 |
| 16 | Kigoma | 2 | Kasulu | 241 | Buhigwe | 02 | Mulera | 418 | 23 | 16 | 162 | 162241 | 16224102 |
| 16 | Kigoma | 2 | Kasulu | 251 | Nyamugali | 02 | Bulimanyi | 372 | 24 | 16 | 162 | 162251 | 16225102 |
| 16 | Kigoma | 2 | Kasulu | 261 | Munyegera | 02 | Mwanga | 708 | 25 | 16 | 162 | 162261 | 16226102 |
| 16 | Kigoma | 2 | Kasulu | 271 | Kajana | 02 | Kajana | 576 | 26 | 16 | 162 | 162271 | 16227102 |
| 16 | Kigoma | 2 | Kasulu | 291 | Kilelema | 01 | Kilelema | 546 | 27 | 16 | 162 | 162291 | 16229101 |
| | | | **Kasulu Count** | | | | | | **27** | | | | |
| 16 | Kigoma | 3 | Kigoma Rural | 011 | Mkigo | 02 | Nyarubanda | 819 | 01 | 16 | 163 | 163011 | 16301102 |
| 16 | Kigoma | 3 | Kigoma Rural | 021 | Kalinzi | 02 | Matyazo | 613 | 02 | 16 | 163 | 163021 | 16302102 |
| 16 | Kigoma | 3 | Kigoma Rural | 031 | Bitale | 02 | Nyamhoza | 613 | 03 | 16 | 163 | 163031 | 16303102 |
| 16 | Kigoma | 3 | Kigoma Rural | 031 | Bitale | 04 | Bitale | 1088 | 04 | 16 | 163 | 163031 | 16303104 |
| 16 | Kigoma | 3 | Kigoma Rural | 041 | Mahembe | 01 | Nkugwe | 1039 | 05 | 16 | 163 | 163041 | 16304101 |
| 16 | Kigoma | 3 | Kigoma Rural | 041 | Mahembe | 03 | Chankabwimba | 594 | 06 | 16 | 163 | 163041 | 16304103 |
| 16 | Kigoma | 3 | Kigoma Rural | 051 | Matendo | 02 | Pamila | 573 | 07 | 16 | 163 | 163051 | 16305102 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | Kigoma | 3 | Kigoma Rural | 063 | Uvinza | 01 | Basanza | 871 | 08 | 16 | 163 | 163063 | 16306301 |
| 16 | Kigoma | 3 | Kigoma Rural | 071 | Mtego wa Noti | 01 | Mtego wa Noti | 776 | 09 | 16 | 163 | 163071 | 16307101 |
| 16 | Kigoma | 3 | Kigoma Rural | 083 | Nguruka | 02 | Nyangabo | 649 | 10 | 16 | 163 | 163083 | 16308302 |
| 16 | Kigoma | 3 | Kigoma Rural | 083 | Nguruka | 04 | Itebula | 689 | 11 | 16 | 163 | 163083 | 16308304 |
| 16 | Kigoma | 3 | Kigoma Rural | 091 | Mganza | 03 | Malagarasi | 942 | 12 | 16 | 163 | 163091 | 16309103 |
| 16 | Kigoma | 3 | Kigoma Rural | 111 | Buhingu | 01 | Kalilani | 347 | 13 | 16 | 163 | 163111 | 16311101 |
| 16 | Kigoma | 3 | Kigoma Rural | 121 | Igalula | 02 | Igalula | 736 | 14 | 16 | 163 | 163121 | 16312102 |
| 16 | Kigoma | 3 | Kigoma Rural | 131 | Sigunga | 01 | Kaparamsenga | 609 | 15 | 16 | 163 | 163131 | 16313101 |
| 16 | Kigoma | 3 | Kigoma Rural | 141 | Sunuka | 02 | Kirando | 456 | 16 | 16 | 163 | 163141 | 16314102 |
| 16 | Kigoma | 3 | Kigoma Rural | 141 | Sunuka | 05 | Songambele | 471 | 17 | 16 | 163 | 163141 | 16314105 |
| 16 | Kigoma | 3 | Kigoma Rural | 151 | Ilagala | 02 | Mwakizega | 1198 | 18 | 16 | 163 | 163151 | 16315102 |
| 16 | Kigoma | 3 | Kigoma Rural | 161 | Kandaga | 01 | Nyanganga | 550 | 19 | 16 | 163 | 163161 | 16316101 |
| 16 | Kigoma | 3 | Kigoma Rural | 161 | Kandaga | 03 | Kalenge | 937 | 20 | 16 | 163 | 163161 | 16316103 |
| 16 | Kigoma | 3 | Kigoma Rural | 161 | Kandaga | 06 | Kazuramimba | 900 | 21 | 16 | 163 | 163161 | 16316106 |
| 16 | Kigoma | 3 | Kigoma Rural | 171 | Simbo | 01 | Kaseke | 866 | 22 | 16 | 163 | 163171 | 16317101 |
| 16 | Kigoma | 3 | Kigoma Rural | 181 | Mngonya | 01 | Kamara | 549 | 23 | 16 | 163 | 163181 | 16318101 |
| 16 | Kigoma | 3 | Kigoma Rural | 193 | Mwandiga | 02 | Kibingo | 500 | 24 | 16 | 163 | 163193 | 16319302 |
| 16 | Kigoma | 3 | Kigoma Rural | 201 | Kagongo | 02 | Kagongo | 459 | 25 | 16 | 163 | 163201 | 16320102 |
| 16 | Kigoma | 3 | Kigoma Rural | 211 | Mwamgongo | 01 | Kiziba | 892 | 26 | 16 | 163 | 163211 | 16321101 |
| 16 | Kigoma | 3 | Kigoma Rural | 221 | Kagunga | 01 | Kagunga | 994 | 27 | 16 | 163 | 163221 | 16322101 |
| | | | **Kigoma Rural Count** | | | | | | **27** | | | | |
| 16 | Kigoma | 4 | Kigoma Urban | 013 | Gungu | 01 | Bushabani | 056 | 01 | 16 | 164 | 164013 | 16401301 |
| 16 | Kigoma | 4 | Kigoma Urban | 023 | Buhanda Businde | 01 | Mwasenga | 331 | 02 | 16 | 164 | 164023 | 16402301 |
| 16 | Kigoma | 4 | Kigoma Urban | 023 | Buhanda Businde | 02 | Businde | 284 | 03 | 16 | 164 | 164023 | 16402302 |
| 16 | Kigoma | 4 | Kigoma Urban | 033 | Kagera | 01 | Kagera | 023 | 04 | 16 | 164 | 164033 | 16403301 |
| 16 | Kigoma | 4 | Kigoma Urban | 123 | Kigoma Bangwe | 01 | Kigoma - Bangwe | 1026 | 05 | 16 | 164 | 164123 | 16412301 |
| | | | **Kigoma Urban Count** | | | | | | **05** | | | | |
| | **Kigoma Count** | | | | | | | | **86** | | | | |
| 17 | Shinyanga | 1 | Bariadi | 011 | Sapiwi | 02 | Masewa | 582 | 01 | 17 | 171 | 171011 | 17101102 |
| 17 | Shinyanga | 1 | Bariadi | 011 | Sapiwi | 06 | Sapiwi | 733 | 02 | 17 | 171 | 171011 | 17101106 |
| 17 | Shinyanga | 1 | Bariadi | 023 | Dutwa | 05 | Igaganulwa | 554 | 03 | 17 | 171 | 171023 | 17102305 |
| 17 | Shinyanga | 1 | Bariadi | 031 | Mwaubingi | 03 | Gasuma | 674 | 04 | 17 | 171 | 171031 | 17103103 |
| 17 | Shinyanga | 1 | Bariadi | 041 | Mwadobana | 02 | Banemhi | 705 | 05 | 17 | 171 | 171041 | 17104102 |
| 17 | Shinyanga | 1 | Bariadi | 053 | Nyakabindi | 03 | Old Maswa | 534 | 06 | 17 | 171 | 171053 | 17105303 |
| 17 | Shinyanga | 1 | Bariadi | 063 | Somanda | 04 | Matale | 421 | 07 | 17 | 171 | 171063 | 17106304 |
| 17 | Shinyanga | 1 | Bariadi | 073 | Nkololo | 03 | Mwasinasi | 774 | 08 | 17 | 171 | 171073 | 17107303 |
| 17 | Shinyanga | 1 | Bariadi | 073 | Nkololo | 08 | Nkololo | 676 | 09 | 17 | 171 | 171073 | 17107308 |
| 17 | Shinyanga | 1 | Bariadi | 081 | Bumera | 04 | Mwabuki | 350 | 10 | 17 | 171 | 171081 | 17108104 |
| 17 | Shinyanga | 1 | Bariadi | 091 | Sagata | 03 | Laini | 610 | 11 | 17 | 171 | 171091 | 17109103 |
| 17 | Shinyanga | 1 | Bariadi | 101 | Mwaswale | 03 | Nkuyu | 769 | 12 | 17 | 171 | 171101 | 17110103 |
| 17 | Shinyanga | 1 | Bariadi | 111 | Chinamili | 03 | Nanga | 826 | 13 | 17 | 171 | 171111 | 17111103 |
| 17 | Shinyanga | 1 | Bariadi | 121 | Mhunze | 02 | Shishani | 750 | 14 | 17 | 171 | 171121 | 17112102 |
| 17 | Shinyanga | 1 | Bariadi | 131 | Lagangabilili | 01 | Mitobo | 452 | 15 | 17 | 171 | 171131 | 17113101 |
| 17 | Shinyanga | 1 | Bariadi | 131 | Lagangabilili | 05 | Budalabujiga | 684 | 16 | 17 | 171 | 171131 | 17113105 |
| 17 | Shinyanga | 1 | Bariadi | 141 | Bunamhala | 03 | Bunamhala | 927 | 17 | 17 | 171 | 171141 | 17114103 |
| 17 | Shinyanga | 1 | Bariadi | 151 | Nkoma | 02 | Dasina | 888 | 18 | 17 | 171 | 171151 | 17115102 |
| 17 | Shinyanga | 1 | Bariadi | 151 | Nkoma | 04 | Nkoma | 1013 | 19 | 17 | 171 | 171151 | 17115104 |
| 17 | Shinyanga | 1 | Bariadi | 163 | Mwamapalala | 02 | Bunamala Mbugani | 430 | 20 | 17 | 171 | 171163 | 17116302 |
| 17 | Shinyanga | 1 | Bariadi | 163 | Mwamapalala | 07 | Ngeme | 706 | 21 | 17 | 171 | 171163 | 17116307 |
| 17 | Shinyanga | 1 | Bariadi | 171 | Zagayu | 04 | Kabale | 286 | 22 | 17 | 171 | 171171 | 17117104 |
| 17 | Shinyanga | 1 | Bariadi | 191 | Mbita | 02 | Sunzula | 694 | 23 | 17 | 171 | 171191 | 17119102 |
| 17 | Shinyanga | 1 | Bariadi | 203 | Lugulu | 01 | Ikungulipu | 808 | 24 | 17 | 171 | 171203 | 17120301 |
| 17 | Shinyanga | 1 | Bariadi | 203 | Lugulu | 06 | Nhobola | 806 | 25 | 17 | 171 | 171203 | 17120306 |
| 17 | Shinyanga | 1 | Bariadi | 213 | Bariadi | 05 | Bariadi | 583 | 26 | 17 | 171 | 171213 | 17121305 |
| 17 | Shinyanga | 1 | Bariadi | 221 | Sakwe | 03 | Itumbukilo | 1061 | 27 | 17 | 171 | 171221 | 17122103 |
| 17 | Shinyanga | 1 | Bariadi | 233 | Mhango | 03 | Ngulyati | 710 | 28 | 17 | 171 | 171233 | 17123303 |
| 17 | Shinyanga | 1 | Bariadi | 241 | Kasoli | 03 | Mwamlapa | 568 | 29 | 17 | 171 | 171241 | 17124103 |
| 17 | Shinyanga | 1 | Bariadi | 251 | Gamboshi | 04 | Miswaki | 226 | 30 | 17 | 171 | 171251 | 17125104 |
| | | | **Bariadi Count** | | | | | | **30** | | | | |
| 17 | Shinyanga | 2 | Maswa | 011 | Buchambi | 01 | Dodoma | 527 | 01 | 17 | 172 | 172011 | 17201101 |
| 17 | Shinyanga | 2 | Maswa | 011 | Buchambi | 05 | Sayusayu | 540 | 02 | 17 | 172 | 172011 | 17201105 |
| 17 | Shinyanga | 2 | Maswa | 021 | Isanga | 01 | Kidema | 487 | 03 | 17 | 172 | 172021 | 17202101 |
| 17 | Shinyanga | 2 | Maswa | 021 | Isanga | 05 | Njiapanda | 361 | 04 | 17 | 172 | 172021 | 17202105 |
| 17 | Shinyanga | 2 | Maswa | 031 | Masela | 01 | Seng'wa | 1577 | 05 | 17 | 172 | 172031 | 17203101 |
| 17 | Shinyanga | 2 | Maswa | 031 | Masela | 04 | Mwasayi | 984 | 06 | 17 | 172 | 172031 | 17203104 |
| 17 | Shinyanga | 2 | Maswa | 031 | Masela | 05 | Masela | 1099 | 07 | 17 | 172 | 172031 | 17203105 |
| 17 | Shinyanga | 2 | Maswa | 043 | Nyalikungu | 03 | Iyogelo | 419 | 08 | 17 | 172 | 172043 | 17204303 |
| 17 | Shinyanga | 2 | Maswa | 053 | Lalago | 04 | Lalago | 499 | 09 | 17 | 172 | 172053 | 17205304 |
| 17 | Shinyanga | 2 | Maswa | 063 | Dakama | 01 | Sangamwalugesha | 448 | 10 | 17 | 172 | 172063 | 17206301 |
| 17 | Shinyanga | 2 | Maswa | 071 | Sukuma | 01 | Mwabayanda | 484 | 11 | 17 | 172 | 172071 | 17207101 |
| 17 | Shinyanga | 2 | Maswa | 071 | Sukuma | 04 | Isagenghe | 506 | 12 | 17 | 172 | 172071 | 17207104 |
| 17 | Shinyanga | 2 | Maswa | 081 | Mpindo | 01 | Senani | 835 | 13 | 17 | 172 | 172081 | 17208101 |
| 17 | Shinyanga | 2 | Maswa | 081 | Mpindo | 04 | Zebeya | 574 | 14 | 17 | 172 | 172081 | 17208104 |
| 17 | Shinyanga | 2 | Maswa | 091 | Budekwa | 02 | Mwabalatulu | 674 | 15 | 17 | 172 | 172091 | 17209102 |
| 17 | Shinyanga | 2 | Maswa | 091 | Budekwa | 04 | Kiloleli | 655 | 16 | 17 | 172 | 172091 | 17209104 |
| 17 | Shinyanga | 2 | Maswa | 101 | Ipililo | 02 | Ikungulyankoma | 464 | 17 | 17 | 172 | 172101 | 17210102 |
| 17 | Shinyanga | 2 | Maswa | 113 | Malampaka | 01 | Nyabubinza | 356 | 18 | 17 | 172 | 172113 | 17211301 |
| 17 | Shinyanga | 2 | Maswa | 113 | Malampaka | 04 | Bukigi | 493 | 19 | 17 | 172 | 172113 | 17211304 |
| 17 | Shinyanga | 2 | Maswa | 121 | Badi | 02 | Muhida | 897 | 20 | 17 | 172 | 172121 | 17212102 |
| 17 | Shinyanga | 2 | Maswa | 131 | kulimi | 02 | Ilamata | 362 | 21 | 17 | 172 | 172131 | 17213102 |
| 17 | Shinyanga | 2 | Maswa | 141 | Nyabubinza | 02 | Mwabuumbu | 522 | 22 | 17 | 172 | 172141 | 17214102 |
| 17 | Shinyanga | 2 | Maswa | 151 | Shishiyu | 01 | Jija | 747 | 23 | 17 | 172 | 172151 | 17215101 |
| 17 | Shinyanga | 2 | Maswa | 151 | Shishiyu | 02 | Shishiyu | 1055 | 24 | 17 | 172 | 172151 | 17215102 |
| 17 | Shinyanga | 2 | Maswa | 161 | Busilili | 02 | Masanwa | 540 | 25 | 17 | 172 | 172161 | 17216102 |
| 17 | Shinyanga | 2 | Maswa | 171 | Kadoto | 01 | Kadoto | 740 | 26 | 17 | 172 | 172171 | 17217101 |
| 17 | Shinyanga | 2 | Maswa | 181 | Nguliguli | 01 | Nguliguli | 995 | 27 | 17 | 172 | 172181 | 17218101 |
| | | | **Maswa Count** | | | | | | **27** | | | | |
| 17 | Shinyanga | 3 | Shinyanga Rural | 011 | Imesela | 01 | Mwamanyuda | 572 | 01 | 17 | 173 | 173011 | 17301101 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 021 | Usule | 01 | Sumbigu | 457 | 02 | 17 | 173 | 173021 | 17302101 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 021 | Usule | 07 | Bukene | 331 | 03 | 17 | 173 | 173021 | 17302107 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Shinyanga | 3 | Shinyanga Rural | 031 | Ilola | 02 | Ihalo | 660 | 04 | 17 | 173 | 173031 | 17303102 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 041 | Didia | 05 | Nyambishi | 456 | 05 | 17 | 173 | 173041 | 17304105 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 051 | Itwangi | 01 | Zobogo | 404 | 06 | 17 | 173 | 173051 | 17305101 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 051 | Itwangi | 05 | Igembya | 108 | 07 | 17 | 173 | 173051 | 17305105 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 063 | Tinde | 02 | Jomu | 725 | 08 | 17 | 173 | 173063 | 17306302 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 063 | Tinde | 05 | Welezo | 173 | 09 | 17 | 173 | 173063 | 17306305 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 063 | Tinde | 08 | Nnumbiji | 392 | 10 | 17 | 173 | 173063 | 17306308 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 071 | Mwakitolyo | 05 | Nyang'ombe | 186 | 11 | 17 | 173 | 173071 | 17307105 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 083 | Salawe | 03 | Songambele | 1034 | 12 | 17 | 173 | 173083 | 17308303 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 083 | Salawe | 05 | Azimio | 557 | 13 | 17 | 173 | 173083 | 17308305 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 091 | Solwa | 01 | Mwakatola | 184 | 14 | 17 | 173 | 173091 | 17309101 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 091 | Solwa | 05 | Solwa | 407 | 15 | 17 | 173 | 173091 | 17309105 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 101 | Iselemagazi | 02 | Mwashilugula | 320 | 16 | 17 | 173 | 173101 | 17310102 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 101 | Iselemagazi | 06 | Mwamakaranga | 466 | 17 | 17 | 173 | 173101 | 17310106 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 101 | Iselemagazi | 09 | Ng'homango | 473 | 18 | 17 | 173 | 173101 | 17310109 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 111 | Lyabukande | 02 | Ihugi | 643 | 19 | 17 | 173 | 173111 | 17311102 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 111 | Lyabukande | 04 | Kizungu | 661 | 20 | 17 | 173 | 173111 | 17311104 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 111 | Lyabukande | 05 | Lyabukande | 1223 | 21 | 17 | 173 | 173111 | 17311105 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 121 | Mwantini | 01 | Ng'wang'osha | 461 | 22 | 17 | 173 | 173121 | 17312101 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 121 | Mwantini | 04 | Kilimawe | 337 | 23 | 17 | 173 | 173121 | 17312104 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 121 | Mwantini | 06 | Zumwe | 540 | 24 | 17 | 173 | 173121 | 17312106 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 131 | Pandagichiza | 03 | Sayu | 401 | 25 | 17 | 173 | 173131 | 17313103 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 131 | Pandagichiza | 06 | Ng'walukwa | 609 | 26 | 17 | 173 | 173131 | 17313106 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 141 | Mwamala | 04 | Bunonga | 614 | 27 | 17 | 173 | 173141 | 17314104 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 151 | Samuye | 04 | Mwang'hatanga | 390 | 28 | 17 | 173 | 173151 | 17315104 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 151 | Samuye | 08 | Isela | 288 | 29 | 17 | 173 | 173151 | 17315108 |
| 17 | Shinyanga | 3 | Shinyanga Rural | 161 | Usanda | 02 | Manyada | 559 | 30 | 17 | 173 | 173161 | 17316102 |
| | | | **Shinyanga Rural Count** | | | | | | **30** | | | | |
| 17 | Shinyanga | 4 | Kahama | 013 | Bugarama | 01 | Kakola | 598 | 01 | 17 | 174 | 174013 | 17401301 |
| 17 | Shinyanga | 4 | Kahama | 013 | Bugarama | 07 | Bugarama | 691 | 02 | 17 | 174 | 174013 | 17401307 |
| 17 | Shinyanga | 4 | Kahama | 021 | Runguya | 07 | Lunguya | 503 | 03 | 17 | 174 | 174021 | 17402107 |
| 17 | Shinyanga | 4 | Kahama | 033 | Segese | 01 | Ndala | 076 | 04 | 17 | 174 | 174033 | 17403301 |
| 17 | Shinyanga | 4 | Kahama | 033 | Segese | 10 | Shilela | 351 | 05 | 17 | 174 | 174033 | 17403310 |
| 17 | Shinyanga | 4 | Kahama | 051 | Bulige | 01 | Kashishi | 188 | 06 | 17 | 174 | 174051 | 17405101 |
| 17 | Shinyanga | 4 | Kahama | 061 | Ngaya | 06 | Igombe | 252 | 07 | 17 | 174 | 174061 | 17406106 |
| 17 | Shinyanga | 4 | Kahama | 081 | Jana | 01 | Jana | 383 | 08 | 17 | 174 | 174081 | 17408101 |
| 17 | Shinyanga | 4 | Kahama | 093 | Isaka | 01 | Itogwang'holo/Isaka Stat | 1230 | 09 | 17 | 174 | 174093 | 17409301 |
| 17 | Shinyanga | 4 | Kahama | 093 | Isaka | 03 | Mwakata | 556 | 10 | 17 | 174 | 174093 | 17409303 |
| 17 | Shinyanga | 4 | Kahama | 101 | Mwalugulu | 05 | Mwankima | 462 | 11 | 17 | 174 | 174101 | 17410105 |
| 17 | Shinyanga | 4 | Kahama | 113 | Isagehe | 06 | Mondo | 420 | 12 | 17 | 174 | 174113 | 17411306 |
| 17 | Shinyanga | 4 | Kahama | 113 | Isagehe | 10 | Kagongwa | 617 | 13 | 17 | 174 | 174113 | 17411310 |
| 17 | Shinyanga | 4 | Kahama | 131 | Kilago | 01 | Nyanhembe | 081 | 14 | 17 | 174 | 174131 | 17413101 |
| 17 | Shinyanga | 4 | Kahama | 131 | Kilago | 10 | Wame | 171 | 15 | 17 | 174 | 174131 | 17413110 |
| 17 | Shinyanga | 4 | Kahama | 141 | Chona | 05 | Nsalaba | 128 | 16 | 17 | 174 | 174141 | 17414105 |
| 17 | Shinyanga | 4 | Kahama | 151 | Chambo | 02 | Selya | 215 | 17 | 17 | 174 | 174151 | 17415102 |
| 17 | Shinyanga | 4 | Kahama | 161 | Kisuke | 02 | Mapamba | 295 | 18 | 17 | 174 | 174161 | 17416102 |
| 17 | Shinyanga | 4 | Kahama | 161 | Kisuke | 07 | Ngokolo | 338 | 19 | 17 | 174 | 174161 | 17416107 |
| 17 | Shinyanga | 4 | Kahama | 171 | Ukune | 05 | Utalike | 214 | 20 | 17 | 174 | 174171 | 17417105 |
| 17 | Shinyanga | 4 | Kahama | 171 | Ukune | 09 | Igunda | 564 | 21 | 17 | 174 | 174171 | 17417109 |
| 17 | Shinyanga | 4 | Kahama | 181 | Uyogo | 04 | Buyogo | 911 | 22 | 17 | 174 | 174181 | 17418104 |
| 17 | Shinyanga | 4 | Kahama | 191 | Ushetu | 06 | Ibambala | 178 | 23 | 17 | 174 | 174191 | 17419106 |
| 17 | Shinyanga | 4 | Kahama | 201 | Ulowa | 02 | Kangeme | 435 | 24 | 17 | 174 | 174201 | 17420102 |
| 17 | Shinyanga | 4 | Kahama | 211 | Bulungwa | 02 | Shaka A | 509 | 25 | 17 | 174 | 174211 | 17421102 |
| 17 | Shinyanga | 4 | Kahama | 211 | Bulungwa | 01 | Nyamkondo/Kinamihwa | 574 | 26 | 17 | 174 | 174211 | 17421101 |
| 17 | Shinyanga | 4 | Kahama | 211 | Bulungwa | 06 | Nyamkende/Nyalwelwe I | 839 | 27 | 17 | 174 | 174211 | 17421106 |
| 17 | Shinyanga | 4 | Kahama | 221 | Idahina | 05 | Mwabomba | 628 | 28 | 17 | 174 | 174221 | 17422105 |
| 17 | Shinyanga | 4 | Kahama | 231 | Igwamanoni | 01 | Mwamanyili | 400 | 29 | 17 | 174 | 174231 | 17423101 |
| 17 | Shinyanga | 4 | Kahama | 231 | Igwamanoni | 05 | Kipangu | 400 | 30 | 17 | 174 | 174231 | 17423105 |
| 17 | Shinyanga | 4 | Kahama | 241 | Mpunze | 02 | Mpunze | 940 | 31 | 17 | 174 | 174241 | 17424102 |
| 17 | Shinyanga | 4 | Kahama | 241 | Mpunze | 05 | Sabasabini | 685 | 32 | 17 | 174 | 174241 | 17424105 |
| 17 | Shinyanga | 4 | Kahama | 251 | Kinamapula | 03 | Hongwa | 590 | 33 | 17 | 174 | 174251 | 17425103 |
| 17 | Shinyanga | 4 | Kahama | 251 | Kinamapula | 07 | Ilemve | 656 | 34 | 17 | 174 | 174251 | 17425107 |
| 17 | Shinyanga | 4 | Kahama | 261 | Nyandekwa | 02 | Bujika | 316 | 35 | 17 | 174 | 174261 | 17426102 |
| 17 | Shinyanga | 4 | Kahama | 271 | Ngongwa | 07 | Wendele | 598 | 36 | 17 | 174 | 174271 | 17427107 |
| 17 | Shinyanga | 4 | Kahama | 281 | Ntobo | 02 | Ntobo ' A' | 355 | 37 | 17 | 174 | 174281 | 17428102 |
| 17 | Shinyanga | 4 | Kahama | 291 | Busangi | 03 | Nyamigege | 309 | 38 | 17 | 174 | 174291 | 17429103 |
| 17 | Shinyanga | 4 | Kahama | 313 | Mhongolo | 01 | Nyashimbi | 441 | 39 | 17 | 174 | 174313 | 17431301 |
| 17 | Shinyanga | 4 | Kahama | 333 | Nyihogo | 02 | Mhungula/Bukondamoyo | 372 | 40 | 17 | 174 | 174333 | 17433302 |
| | | | **Kahama Count** | | | | | | **40** | | | | |
| 17 | Shinyanga | 5 | Bukombe | 011 | Bukandwe | 01 | Nyanhwiga | 464 | 01 | 17 | 175 | 175011 | 17501101 |
| 17 | Shinyanga | 5 | Bukombe | 011 | Bukandwe | 05 | Bukandwe | 597 | 02 | 17 | 175 | 175011 | 17501105 |
| 17 | Shinyanga | 5 | Bukombe | 023 | Masumbwe | 01 | Nyakafulu | 402 | 03 | 17 | 175 | 175023 | 17502301 |
| 17 | Shinyanga | 5 | Bukombe | 023 | Masumbwe | 05 | Shenda | 364 | 04 | 17 | 175 | 175023 | 17502305 |
| 17 | Shinyanga | 5 | Bukombe | 031 | Iyogelo | 02 | Bufanka | 277 | 05 | 17 | 175 | 175031 | 17503102 |
| 17 | Shinyanga | 5 | Bukombe | 031 | Iyogelo | 07 | Nyamakunkwa | 247 | 06 | 17 | 175 | 175031 | 17503107 |
| 17 | Shinyanga | 5 | Bukombe | 041 | Iponya | 04 | Nsango | 482 | 07 | 17 | 175 | 175041 | 17504104 |
| 17 | Shinyanga | 5 | Bukombe | 051 | Bukombe | 02 | Bukombe | 776 | 08 | 17 | 175 | 175051 | 17505102 |
| 17 | Shinyanga | 5 | Bukombe | 051 | Bukombe | 07 | Lyambamgongo | 480 | 09 | 17 | 175 | 175051 | 17505107 |
| 17 | Shinyanga | 5 | Bukombe | 063 | Ushirombo | 03 | Katome | 775 | 10 | 17 | 175 | 175063 | 17506303 |
| 17 | Shinyanga | 5 | Bukombe | 063 | Ushirombo | 06 | Mwalo | 227 | 11 | 17 | 175 | 175063 | 17506306 |
| 17 | Shinyanga | 5 | Bukombe | 063 | Ushirombo | 11 | Buntubili | 577 | 12 | 17 | 175 | 175063 | 17506311 |
| 17 | Shinyanga | 5 | Bukombe | 063 | Ushirombo | 14 | Ng'anzo | 703 | 13 | 17 | 175 | 175063 | 17506314 |
| 17 | Shinyanga | 5 | Bukombe | 063 | Ushirombo | 17 | Kakoyoyo | 720 | 14 | 17 | 175 | 175063 | 17506317 |
| 17 | Shinyanga | 5 | Bukombe | 063 | Ushirombo | 19 | Butinzya II | 527 | 15 | 17 | 175 | 175063 | 17506319 |
| 17 | Shinyanga | 5 | Bukombe | 071 | Runzewe | 02 | Ludeba | 508 | 16 | 17 | 175 | 175071 | 17507102 |
| 17 | Shinyanga | 5 | Bukombe | 071 | Runzewe | 04 | Ikuzi | 653 | 17 | 17 | 175 | 175071 | 17507104 |
| 17 | Shinyanga | 5 | Bukombe | 071 | Runzewe | 08 | Msonga II | 125 | 18 | 17 | 175 | 175071 | 17507108 |
| 17 | Shinyanga | 5 | Bukombe | 081 | Ikunguigazi | 04 | Kashalo | 417 | 19 | 17 | 175 | 175081 | 17508104 |
| 17 | Shinyanga | 5 | Bukombe | 091 | Ilolangulu | 01 | Isebya | 334 | 20 | 17 | 175 | 175091 | 17509101 |
| 17 | Shinyanga | 5 | Bukombe | 091 | Ilolangulu | 06 | Mubamba | 514 | 21 | 17 | 175 | 175091 | 17509106 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Shinyanga | 5 | Bukombe | 091 | Ilolangulu | 10 | Bugalagala | 652 | 22 | 17 | 175 | 175091 | 17509110 |
| 17 | Shinyanga | 5 | Bukombe | 101 | Mbongwe | 03 | Bwelwa | 390 | 23 | 17 | 175 | 175101 | 17510103 |
| 17 | Shinyanga | 5 | Bukombe | 111 | Ushirika | 01 | Ivumwa | 256 | 24 | 17 | 175 | 175111 | 17511101 |
| 17 | Shinyanga | 5 | Bukombe | 111 | Ushirika | 08 | Ushirika | 295 | 25 | 17 | 175 | 175111 | 17511108 |
| 17 | Shinyanga | 5 | Bukombe | 121 | Nyasato | 03 | Bulugala | 353 | 26 | 17 | 175 | 175121 | 17512103 |
| 17 | Shinyanga | 5 | Bukombe | 133 | Uyovu | 03 | Busonzo | 351 | 27 | 17 | 175 | 175133 | 17513303 |
| 17 | Shinyanga | 5 | Bukombe | 133 | Uyovu | 07 | Namonge | 437 | 28 | 17 | 175 | 175133 | 17513307 |
| 17 | Shinyanga | 5 | Bukombe | 133 | Uyovu | 13 | Kanembwa | 660 | 29 | 17 | 175 | 175133 | 17513313 |
| 17 | Shinyanga | 5 | Bukombe | 143 | Lugunga | 03 | Mpakali | 281 | 30 | 17 | 175 | 175143 | 17514303 |
| | | | **Bukombe Count** | | | | | | **30** | | | | |
| 17 | Shinyanga | 6 | Meatu | 013 | Mwanhuzi | 02 | Mwambegwa | 814 | 01 | 17 | 176 | 176013 | 17601302 |
| 17 | Shinyanga | 6 | Meatu | 013 | Mwanhuzi | 03 | Mwanyahina | 528 | 02 | 17 | 176 | 176013 | 17601303 |
| 17 | Shinyanga | 6 | Meatu | 013 | Mwanhuzi | 06 | Bomani | 411 | 03 | 17 | 176 | 176013 | 17601306 |
| 17 | Shinyanga | 6 | Meatu | 031 | Kimali | 01 | Sapa | 273 | 04 | 17 | 176 | 176031 | 17603101 |
| 17 | Shinyanga | 6 | Meatu | 031 | Kimali | 04 | Mwangudo | 437 | 05 | 17 | 176 | 176031 | 17603104 |
| 17 | Shinyanga | 6 | Meatu | 041 | Mwamishali | 03 | Bulyashi | 513 | 06 | 17 | 176 | 176041 | 17604103 |
| 17 | Shinyanga | 6 | Meatu | 051 | Itinje | 02 | Itinje | 396 | 07 | 17 | 176 | 176051 | 17605102 |
| 17 | Shinyanga | 6 | Meatu | 051 | Itinje | 04 | Isengwa | 611 | 08 | 17 | 176 | 176051 | 17605104 |
| 17 | Shinyanga | 6 | Meatu | 061 | Kisesa | 03 | Kisesa | 849 | 09 | 17 | 176 | 176061 | 17606103 |
| 17 | Shinyanga | 6 | Meatu | 071 | Mwandoya | 01 | Mwakisandu | 553 | 10 | 17 | 176 | 176071 | 17607101 |
| 17 | Shinyanga | 6 | Meatu | 071 | Mwandoya | 04 | Mwandoya | 846 | 11 | 17 | 176 | 176071 | 17607104 |
| 17 | Shinyanga | 6 | Meatu | 071 | Mwandoya | 05 | Mwakaluba | 622 | 12 | 17 | 176 | 176071 | 17607105 |
| 17 | Shinyanga | 6 | Meatu | 081 | Lingeka | 03 | Mwaburutago | 397 | 13 | 17 | 176 | 176081 | 17608103 |
| 17 | Shinyanga | 6 | Meatu | 081 | Lingeka | 05 | Mwamhongo | 810 | 14 | 17 | 176 | 176081 | 17608105 |
| 17 | Shinyanga | 6 | Meatu | 091 | Sakasaka | 02 | Sakasaka | 746 | 15 | 17 | 176 | 176091 | 17609102 |
| 17 | Shinyanga | 6 | Meatu | 091 | Sakasaka | 03 | Ming'ongwa | 909 | 16 | 17 | 176 | 176091 | 17609103 |
| 17 | Shinyanga | 6 | Meatu | 101 | Imalaseko | 01 | Nata | 313 | 17 | 17 | 176 | 176101 | 17610101 |
| 17 | Shinyanga | 6 | Meatu | 111 | Mwabuzo | 01 | Mwabuzo / Mwanzugi | 736 | 18 | 17 | 176 | 176111 | 17611101 |
| 17 | Shinyanga | 6 | Meatu | 121 | Mwamalole | 02 | Mwamanimba | 312 | 19 | 17 | 176 | 176121 | 17612102 |
| 17 | Shinyanga | 6 | Meatu | 131 | Mwanjoro | 01 | Mbushi | 348 | 20 | 17 | 176 | 176131 | 17613101 |
| 17 | Shinyanga | 6 | Meatu | 141 | Mwabuma | 01 | Mwabuma | 796 | 21 | 17 | 176 | 176141 | 17614101 |
| 17 | Shinyanga | 6 | Meatu | 141 | Mwabuma | 03 | Mwakasumbi | 703 | 22 | 17 | 176 | 176141 | 17614103 |
| 17 | Shinyanga | 6 | Meatu | 151 | Mwabusalu | 02 | Mwabusalu | 1118 | 23 | 17 | 176 | 176151 | 17615102 |
| 17 | Shinyanga | 6 | Meatu | 161 | Lubiga | 02 | Lubiga | 652 | 24 | 17 | 176 | 176161 | 17616102 |
| 17 | Shinyanga | 6 | Meatu | 171 | Mwamanongu | 01 | Igushilu / Mwamagembe | 423 | 25 | 17 | 176 | 176171 | 17617101 |
| 17 | Shinyanga | 6 | Meatu | 181 | Ng'hoboko | 02 | Ng'hoboko | 491 | 26 | 17 | 176 | 176181 | 17618102 |
| 17 | Shinyanga | 6 | Meatu | 191 | Bukundi | 01 | Bukundi / Witamhiya | 712 | 27 | 17 | 176 | 176191 | 17619101 |
| | | | **Meatu Count** | | | | | | **27** | | | | |
| 17 | Shinyanga | 7 | Shinyanga Urban | 011 | Mwamalili | 01 | Bushora | 221 | 01 | 17 | 177 | 177011 | 17701101 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 011 | Mwamalili | 02 | Mwamalili | 550 | 02 | 17 | 177 | 177011 | 17701102 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 011 | Mwamalili | 03 | Seseko | 313 | 03 | 17 | 177 | 177011 | 17701103 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 021 | Kolandoto | 01 | Kolandoto | 851 | 04 | 17 | 177 | 177021 | 17702101 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 021 | Kolandoto | 02 | Mwamagunguli | 358 | 05 | 17 | 177 | 177021 | 17702102 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 021 | Kolandoto | 03 | Galamba | 420 | 06 | 17 | 177 | 177021 | 17702103 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 033 | Ngokolo | 01 | Ndembezi Shuleni | 241 | 07 | 17 | 177 | 177033 | 17703301 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 041 | Ibadakuli | 01 | Uzogole | 662 | 08 | 17 | 177 | 177041 | 17704101 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 041 | Ibadakuli | 02 | Ibadakuli | 712 | 09 | 17 | 177 | 177041 | 17704102 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 041 | Ibadakuli | 03 | Mwagala | 403 | 10 | 17 | 177 | 177041 | 17704103 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 083 | Kitangili | 01 | Imalilo | 128 | 11 | 17 | 177 | 177083 | 17708301 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 091 | Kizumbi | 01 | Bugayambelele | 571 | 12 | 17 | 177 | 177091 | 17709101 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 091 | Kizumbi | 02 | Mwamashele | 268 | 13 | 17 | 177 | 177091 | 17709102 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 091 | Kizumbi | 03 | Nhelegani | 710 | 14 | 17 | 177 | 177091 | 17709103 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 101 | Mwawaza | 01 | Negezi | 309 | 15 | 17 | 177 | 177101 | 17710101 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 101 | Mwawaza | 02 | Mwawaza | 315 | 16 | 17 | 177 | 177101 | 17710102 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 101 | Mwawaza | 03 | Bugimbagu | 203 | 17 | 17 | 177 | 177101 | 17710103 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 113 | Ndala | 01 | Mlepa | 254 | 18 | 17 | 177 | 177113 | 17711301 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 123 | Kambarage | 01 | Mwasele A | 180 | 19 | 17 | 177 | 177123 | 17712301 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 123 | Kambarage | 02 | Lubaga Farm | 572 | 20 | 17 | 177 | 177123 | 17712302 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 133 | Chibe | 01 | Ihapa | 455 | 21 | 17 | 177 | 177133 | 17713301 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 133 | Chibe | 02 | Mwagagaja - Mwamagul | 335 | 22 | 17 | 177 | 177133 | 17713302 |
| 17 | Shinyanga | 7 | Shinyanga Urban | 133 | Chibe | 03 | Chibe | 809 | 23 | 17 | 177 | 177133 | 17713303 |
| | | | **Shinyanga Urban Count** | | | | | | **23** | | | | |
| 17 | Shinyanga | 8 | Kishapu | 011 | Bunambiyu | 02 | Bunambiyu | 486 | 01 | 17 | 178 | 178011 | 17801102 |
| 17 | Shinyanga | 8 | Kishapu | 021 | Bubiki | 01 | Mwajiningu | 274 | 02 | 17 | 178 | 178021 | 17802101 |
| 17 | Shinyanga | 8 | Kishapu | 021 | Bubiki | 04 | Bubiki | 560 | 03 | 17 | 178 | 178021 | 17802104 |
| 17 | Shinyanga | 8 | Kishapu | 021 | Bubiki | 06 | Nyasamba | 467 | 04 | 17 | 178 | 178021 | 17802106 |
| 17 | Shinyanga | 8 | Kishapu | 033 | Songwa | 04 | Msagala | 343 | 05 | 17 | 178 | 178033 | 17803304 |
| 17 | Shinyanga | 8 | Kishapu | 041 | Seke/Bukoro | 02 | Seke - Ididi | 498 | 06 | 17 | 178 | 178041 | 17804102 |
| 17 | Shinyanga | 8 | Kishapu | 041 | Seke/Bukoro | 04 | Mipa | 665 | 07 | 17 | 178 | 178041 | 17804104 |
| 17 | Shinyanga | 8 | Kishapu | 051 | Mondo | 01 | Wishiteleja | 476 | 08 | 17 | 178 | 178051 | 17805101 |
| 17 | Shinyanga | 8 | Kishapu | 051 | Mondo | 04 | Mwigumbi | 544 | 09 | 17 | 178 | 178051 | 17805104 |
| 17 | Shinyanga | 8 | Kishapu | 063 | Mwadui Lohumbo | 02 | Idukilo | 1012 | 10 | 17 | 178 | 178063 | 17806302 |
| 17 | Shinyanga | 8 | Kishapu | 063 | Mwadui Lohumbo | 03 | Nyenze | 508 | 11 | 17 | 178 | 178063 | 17806303 |
| 17 | Shinyanga | 8 | Kishapu | 071 | Uchunga | 01 | Bupigi | 475 | 12 | 17 | 178 | 178071 | 17807101 |
| 17 | Shinyanga | 8 | Kishapu | 071 | Uchunga | 05 | Igaga 'A' | 171 | 13 | 17 | 178 | 178071 | 17807105 |
| 17 | Shinyanga | 8 | Kishapu | 083 | Kishapu | 01 | Migunga | 321 | 14 | 17 | 178 | 178083 | 17808301 |
| 17 | Shinyanga | 8 | Kishapu | 083 | Kishapu | 06 | Isoso | 204 | 15 | 17 | 178 | 178083 | 17808306 |
| 17 | Shinyanga | 8 | Kishapu | 091 | Mwakipoya | 02 | Mwakipoya | 416 | 16 | 17 | 178 | 178091 | 17809102 |
| 17 | Shinyanga | 8 | Kishapu | 101 | Shagihilu | 02 | Shagihilu | 347 | 17 | 17 | 178 | 178101 | 17810102 |
| 17 | Shinyanga | 8 | Kishapu | 101 | Shagihilu | 06 | Sanjo | 332 | 18 | 17 | 178 | 178101 | 17810106 |
| 17 | Shinyanga | 8 | Kishapu | 111 | Somagedi | 03 | Kisesa | 335 | 19 | 17 | 178 | 178111 | 17811103 |
| 17 | Shinyanga | 8 | Kishapu | 121 | Mwamalasa | 03 | Kinampanda | 424 | 20 | 17 | 178 | 178121 | 17812103 |
| 17 | Shinyanga | 8 | Kishapu | 131 | Masanga | 02 | Mwang'halanga | 275 | 21 | 17 | 178 | 178131 | 17813102 |
| 17 | Shinyanga | 8 | Kishapu | 131 | Masanga | 05 | Mwakidalala | 255 | 22 | 17 | 178 | 178131 | 17813105 |
| 17 | Shinyanga | 8 | Kishapu | 141 | Lagana | 04 | Beledi | 159 | 23 | 17 | 178 | 178141 | 17814104 |
| 17 | Shinyanga | 8 | Kishapu | 161 | Ngofila | 01 | Inolelo | 126 | 24 | 17 | 178 | 178161 | 17816101 |
| 17 | Shinyanga | 8 | Kishapu | 171 | Kiloleli | 01 | Kiloleli | 365 | 25 | 17 | 178 | 178171 | 17817101 |
| 17 | Shinyanga | 8 | Kishapu | 181 | Ukenyenge | 01 | Mayanji | 630 | 26 | 17 | 178 | 178181 | 17818101 |
| 17 | Shinyanga | 8 | Kishapu | 181 | Ukenyenge | 04 | Ukenyenge | 461 | 27 | 17 | 178 | 178181 | 17818104 |
| 17 | Shinyanga | 8 | Kishapu | 191 | Talaga | 01 | Kijongo | 373 | 28 | 17 | 178 | 178191 | 17819101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | Shinyanga | 8 | Kishapu | 201 | Itilima | 01 | Ipeja | 224 | 29 | 17 | 178 | 178201 | 17820101 |
| 17 | Shinyanga | 8 | Kishapu | 201 | Itilima | 05 | Ikoma | 371 | 30 | 17 | 178 | 178201 | 17820105 |
| | | | **Kishapu Count** | | | | | | **30** | | | | |
| | **Shinyanga Count** | | | | | | | | **237** | | | | |
| 18 | Kagera | 1 | Karagwe | 011 | Kamuli | 06 | Kasoni | 484 | 01 | 18 | 181 | 181011 | 18101106 |
| 18 | Kagera | 1 | Karagwe | 021 | Mabira | 02 | Bugara | 767 | 02 | 18 | 181 | 181021 | 18102102 |
| 18 | Kagera | 1 | Karagwe | 021 | Mabira | 06 | Nyakashenyi | 331 | 03 | 18 | 181 | 181021 | 18102106 |
| 18 | Kagera | 1 | Karagwe | 031 | Igurwa | 06 | Kanoni | 688 | 04 | 18 | 181 | 181031 | 18103106 |
| 18 | Kagera | 1 | Karagwe | 051 | Kituntu | 01 | Kituntu | 585 | 05 | 18 | 181 | 181051 | 18105101 |
| 18 | Kagera | 1 | Karagwe | 051 | Kituntu | 05 | Kahundwe | 417 | 06 | 18 | 181 | 181051 | 18105105 |
| 18 | Kagera | 1 | Karagwe | 061 | Rwabwere | 02 | Iteela | 752 | 07 | 18 | 181 | 181061 | 18106102 |
| 18 | Kagera | 1 | Karagwe | 071 | Nkwenda | 02 | Muhurile | 422 | 08 | 18 | 181 | 181071 | 18107102 |
| 18 | Kagera | 1 | Karagwe | 071 | Nkwenda | 05 | Songambele | 688 | 09 | 18 | 181 | 181071 | 18107105 |
| 18 | Kagera | 1 | Karagwe | 071 | Nkwenda | 08 | Kitwechenkula I | 1166 | 10 | 18 | 181 | 181071 | 18107108 |
| 18 | Kagera | 1 | Karagwe | 081 | Kimuli | 02 | Kikukuru | 535 | 11 | 18 | 181 | 181081 | 18108102 |
| 18 | Kagera | 1 | Karagwe | 091 | Ndama | 01 | Kagutu | 339 | 12 | 18 | 181 | 181091 | 18109101 |
| 18 | Kagera | 1 | Karagwe | 103 | Kayanga | 01 | Miti | 282 | 13 | 18 | 181 | 181103 | 18110301 |
| 18 | Kagera | 1 | Karagwe | 121 | Ihanda | 01 | Ihanda | 724 | 14 | 18 | 181 | 181121 | 18112101 |
| 18 | Kagera | 1 | Karagwe | 133 | Nyakahanga | 01 | Nyakahanga | 1032 | 15 | 18 | 181 | 181133 | 18113301 |
| 18 | Kagera | 1 | Karagwe | 141 | Nyaishozi | 02 | Nyakayanja | 624 | 16 | 18 | 181 | 181141 | 18114102 |
| 18 | Kagera | 1 | Karagwe | 161 | Rugu | 01 | Kasheshe/Misha | 523 | 17 | 18 | 181 | 181161 | 18116101 |
| 18 | Kagera | 1 | Karagwe | 181 | Nyakakika | 01 | Kayungu | 670 | 18 | 18 | 181 | 181181 | 18118101 |
| 18 | Kagera | 1 | Karagwe | 181 | Nyakakika | 03 | Nyakakika | 1251 | 19 | 18 | 181 | 181181 | 18118103 |
| 18 | Kagera | 1 | Karagwe | 191 | Bweranyange | 02 | Chamchuzi | 1599 | 20 | 18 | 181 | 181191 | 18119102 |
| 18 | Kagera | 1 | Karagwe | 201 | Kibondo | 03 | Kakuraijo | 526 | 21 | 18 | 181 | 181201 | 18120103 |
| 18 | Kagera | 1 | Karagwe | 221 | Kiruruma | 01 | Kafunjo | 894 | 22 | 18 | 181 | 181221 | 18122101 |
| 18 | Kagera | 1 | Karagwe | 221 | Kiruruma | 03 | Kiruruma | 1091 | 23 | 18 | 181 | 181221 | 18122103 |
| 18 | Kagera | 1 | Karagwe | 231 | Kyerwa | 02 | Nyaruzumbura | 639 | 24 | 18 | 181 | 181231 | 18123102 |
| 18 | Kagera | 1 | Karagwe | 241 | Isingiro | 03 | Karukwanzi | 742 | 25 | 18 | 181 | 181241 | 18124103 |
| 18 | Kagera | 1 | Karagwe | 251 | Kaisho | 01 | Rutunguru | 676 | 26 | 18 | 181 | 181251 | 18125101 |
| 18 | Kagera | 1 | Karagwe | 251 | Kaisho | 06 | Nyakakoni | 164 | 27 | 18 | 181 | 181251 | 18125106 |
| 18 | Kagera | 1 | Karagwe | 271 | Murongo | 01 | Rwabikagati | 643 | 28 | 18 | 181 | 181271 | 18127101 |
| 18 | Kagera | 1 | Karagwe | 281 | Bugomora | 01 | Nyamiyaga | 957 | 29 | 18 | 181 | 181281 | 18128101 |
| 18 | Kagera | 1 | Karagwe | 281 | Bugomora | 04 | Kigorogoro | 787 | 30 | 18 | 181 | 181281 | 18128104 |
| | | | **Karagwe Count** | | | | | | **30** | | | | |
| 18 | Kagera | 2 | Bukoba Rural | 013 | Nsunga | 03 | Igayaza | 692 | 01 | 18 | 182 | 182013 | 18201303 |
| 18 | Kagera | 2 | Bukoba Rural | 021 | Minziro | 01 | Kigazi | 716 | 02 | 18 | 182 | 182021 | 18202101 |
| 18 | Kagera | 2 | Bukoba Rural | 031 | Kasambya | 01 | Mabuye | 545 | 03 | 18 | 182 | 182031 | 18203101 |
| 18 | Kagera | 2 | Bukoba Rural | 031 | Kasambya | 03 | Gabulanga | 587 | 04 | 18 | 182 | 182031 | 18203103 |
| 18 | Kagera | 2 | Bukoba Rural | 031 | Kasambya | 06 | Bunazi | 1077 | 05 | 18 | 182 | 182031 | 18203106 |
| 18 | Kagera | 2 | Bukoba Rural | 043 | Kyaka | 04 | Bulembo | 361 | 06 | 18 | 182 | 182043 | 18204304 |
| 18 | Kagera | 2 | Bukoba Rural | 051 | Bugorora | 03 | Buchurago | 469 | 07 | 18 | 182 | 182051 | 18205103 |
| 18 | Kagera | 2 | Bukoba Rural | 061 | Kilimilile | 03 | Kilimilile | 707 | 08 | 18 | 182 | 182061 | 18206103 |
| 18 | Kagera | 2 | Bukoba Rural | 071 | Kakunyu | 01 | Kakunyu | 571 | 09 | 18 | 182 | 182071 | 18207101 |
| 18 | Kagera | 2 | Bukoba Rural | 071 | Kakunyu | 03 | Bubale | 1098 | 10 | 18 | 182 | 182071 | 18207103 |
| 18 | Kagera | 2 | Bukoba Rural | 101 | Kanyigo | 01 | Kigarama | 424 | 11 | 18 | 182 | 182101 | 18210101 |
| 18 | Kagera | 2 | Bukoba Rural | 111 | Ishunju | 01 | Kyelima | 269 | 12 | 18 | 182 | 182111 | 18211101 |
| 18 | Kagera | 2 | Bukoba Rural | 131 | Gera | 01 | Kashekya | 192 | 13 | 18 | 182 | 182131 | 18213101 |
| 18 | Kagera | 2 | Bukoba Rural | 141 | Bwanjai | 05 | Rwamashonga | 262 | 14 | 18 | 182 | 182141 | 18214105 |
| 18 | Kagera | 2 | Bukoba Rural | 151 | Bugandika | 06 | Bwemera | 185 | 15 | 18 | 182 | 182151 | 18215106 |
| 18 | Kagera | 2 | Bukoba Rural | 171 | Buyango | 01 | Kikono | 597 | 16 | 18 | 182 | 182171 | 18217101 |
| 18 | Kagera | 2 | Bukoba Rural | 181 | Rubafu | 01 | Rubafu | 349 | 17 | 18 | 182 | 182181 | 18218101 |
| 18 | Kagera | 2 | Bukoba Rural | 191 | Kishanje | 03 | Kishanje | 486 | 18 | 18 | 182 | 182191 | 18219103 |
| 18 | Kagera | 2 | Bukoba Rural | 211 | Buhendangabo | 02 | Rushaka | 600 | 19 | 18 | 182 | 182211 | 18221102 |
| 18 | Kagera | 2 | Bukoba Rural | 221 | Nyakato | 04 | Igombe | 261 | 20 | 18 | 182 | 182221 | 18222104 |
| 18 | Kagera | 2 | Bukoba Rural | 241 | Karabagaine | 01 | Kitwe | 494 | 21 | 18 | 182 | 182241 | 18224101 |
| 18 | Kagera | 2 | Bukoba Rural | 251 | Maruku | 01 | Kyansozi | 362 | 22 | 18 | 182 | 182251 | 18225101 |
| 18 | Kagera | 2 | Bukoba Rural | 261 | Kanyangereko | 02 | Butahyaibega | 700 | 23 | 18 | 182 | 182261 | 18226102 |
| 18 | Kagera | 2 | Bukoba Rural | 271 | Kyamuraile | 01 | Kyamuraile | 712 | 24 | 18 | 182 | 182271 | 18227101 |
| 18 | Kagera | 2 | Bukoba Rural | 283 | Katoro | 02 | Ngarama | 572 | 25 | 18 | 182 | 182283 | 18228302 |
| 18 | Kagera | 2 | Bukoba Rural | 291 | Kaibanja | 02 | Kaibanja | 585 | 26 | 18 | 182 | 182291 | 18229102 |
| 18 | Kagera | 2 | Bukoba Rural | 301 | Nyakibimbili | 03 | Kitahya | 572 | 27 | 18 | 182 | 182301 | 18230103 |
| 18 | Kagera | 2 | Bukoba Rural | 311 | Kasharu | 02 | Rutainamwa | 501 | 28 | 18 | 182 | 182311 | 18231102 |
| 18 | Kagera | 2 | Bukoba Rural | 321 | Bujugo | 01 | Minazi | 336 | 29 | 18 | 182 | 182321 | 18232101 |
| 18 | Kagera | 2 | Bukoba Rural | 333 | Katerero | 02 | Kanazi | 685 | 30 | 18 | 182 | 182333 | 18233302 |
| 18 | Kagera | 2 | Bukoba Rural | 333 | Katerero | 04 | Mulahya | 500 | 31 | 18 | 182 | 182333 | 18233304 |
| 18 | Kagera | 2 | Bukoba Rural | 351 | Mikoni | 01 | Kagondo | 466 | 32 | 18 | 182 | 182351 | 18235101 |
| 18 | Kagera | 2 | Bukoba Rural | 361 | Ruhunga | 01 | Kobunshwi | 700 | 33 | 18 | 182 | 182361 | 18236101 |
| 18 | Kagera | 2 | Bukoba Rural | 361 | Ruhunga | 03 | Kihumuro | 946 | 34 | 18 | 182 | 182361 | 18236103 |
| 18 | Kagera | 2 | Bukoba Rural | 371 | Izimbya | 02 | Izimbya | 820 | 35 | 18 | 182 | 182371 | 18237102 |
| 18 | Kagera | 2 | Bukoba Rural | 371 | Izimbya | 04 | Kyaitoke | 1169 | 36 | 18 | 182 | 182371 | 18237104 |
| 18 | Kagera | 2 | Bukoba Rural | 381 | Buterankuzi | 03 | Nyabushozi | 349 | 37 | 18 | 182 | 182381 | 18238103 |
| 18 | Kagera | 2 | Bukoba Rural | 391 | Rubale | 03 | Rubale | 590 | 38 | 18 | 182 | 182391 | 18239103 |
| 18 | Kagera | 2 | Bukoba Rural | 401 | Kikomero | 02 | Kikomero | 236 | 39 | 18 | 182 | 182401 | 18240102 |
| 18 | Kagera | 2 | Bukoba Rural | 411 | Kibirizi | 04 | Bituntu | 701 | 40 | 18 | 182 | 182411 | 18241104 |
| | | | **Bukoba Rural Count** | | | | | | **40** | | | | |
| 18 | Kagera | 3 | Muleba | 011 | Muhutwe | 03 | Kangantebe | 570 | 01 | 18 | 183 | 183011 | 18301103 |
| 18 | Kagera | 3 | Muleba | 051 | Izigo | 02 | Kabare | 424 | 02 | 18 | 183 | 183051 | 18305102 |
| 18 | Kagera | 3 | Muleba | 051 | Izigo | 06 | Bushumba | 458 | 03 | 18 | 183 | 183051 | 18305106 |
| 18 | Kagera | 3 | Muleba | 061 | Kagoma | 05 | Bigaga | 366 | 04 | 18 | 183 | 183061 | 18306105 |
| 18 | Kagera | 3 | Muleba | 083 | Muleba | 01 | Muleba Mjini | 750 | 05 | 18 | 183 | 183083 | 18308301 |
| 18 | Kagera | 3 | Muleba | 091 | Ikondo | 03 | Ikondo | 361 | 06 | 18 | 183 | 183091 | 18309103 |
| 18 | Kagera | 3 | Muleba | 111 | Magata/Karutanga | 03 | Katunguru | 376 | 07 | 18 | 183 | 183111 | 18311103 |
| 18 | Kagera | 3 | Muleba | 121 | Kibanga | 01 | Bumilo | 431 | 08 | 18 | 183 | 183121 | 18312101 |
| 18 | Kagera | 3 | Muleba | 131 | Kasharunga | 02 | Kiga | 539 | 09 | 18 | 183 | 183131 | 18313102 |
| 18 | Kagera | 3 | Muleba | 131 | Kasharunga | 06 | Kiteme | 625 | 10 | 18 | 183 | 183131 | 18313106 |
| 18 | Kagera | 3 | Muleba | 141 | Kimwani | 03 | Katembe | 348 | 11 | 18 | 183 | 183141 | 18314103 |
| 18 | Kagera | 3 | Muleba | 151 | Kyebitembe | 02 | Kagasha | 625 | 12 | 18 | 183 | 183151 | 18315102 |
| 18 | Kagera | 3 | Muleba | 161 | Karambi | 01 | Kasharara | 584 | 13 | 18 | 183 | 183161 | 18316101 |
| 18 | Kagera | 3 | Muleba | 171 | Mubunda | 01 | Kishoju | 704 | 14 | 18 | 183 | 183171 | 18317101 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | Kagera | 3 | Muleba | 171 | Mubunda | 05 | Bisheke | 446 | 15 | 18 | 183 | 183171 | 18317105 |
| 18 | Kagera | 3 | Muleba | 181 | Burungura | 03 | Kakoma | 849 | 16 | 18 | 183 | 183181 | 18318103 |
| 18 | Kagera | 3 | Muleba | 191 | Biirabo | 03 | Kabare | 691 | 17 | 18 | 183 | 183191 | 18319103 |
| 18 | Kagera | 3 | Muleba | 201 | Rushwa | 02 | Kyanshenge | 505 | 18 | 18 | 183 | 183201 | 18320102 |
| 18 | Kagera | 3 | Muleba | 211 | Ngenge | 01 | Rwijembe | 976 | 19 | 18 | 183 | 183211 | 18321101 |
| 18 | Kagera | 3 | Muleba | 211 | Ngenge | 04 | Kishuro | 986 | 20 | 18 | 183 | 183211 | 18321104 |
| 18 | Kagera | 3 | Muleba | 221 | kabirizi | 02 | Kihwera | 491 | 21 | 18 | 183 | 183221 | 18322102 |
| 18 | Kagera | 3 | Muleba | 233 | Nshamba | 02 | Rutenge | 590 | 22 | 18 | 183 | 183233 | 18323302 |
| 18 | Kagera | 3 | Muleba | 241 | Kashasha | 01 | Rubya | 540 | 23 | 18 | 183 | 183241 | 18324101 |
| 18 | Kagera | 3 | Muleba | 251 | Ijumbi | 02 | Rubao | 355 | 24 | 18 | 183 | 183251 | 18325102 |
| 18 | Kagera | 3 | Muleba | 261 | Kishanda | 02 | Ihunga | 623 | 25 | 18 | 183 | 183261 | 18326102 |
| 18 | Kagera | 3 | Muleba | 271 | Buganguzi | 02 | Kashozi | 384 | 26 | 18 | 183 | 183271 | 18327102 |
| 18 | Kagera | 3 | Muleba | 281 | Ibuga | 02 | Bunywambele | 706 | 27 | 18 | 183 | 183281 | 18328102 |
| 18 | Kagera | 3 | Muleba | 291 | Bulyakashaju | 02 | Rugando | 599 | 28 | 18 | 183 | 183291 | 18329102 |
| 18 | Kagera | 3 | Muleba | 303 | Kamachumu | 03 | Ilogero | 608 | 29 | 18 | 183 | 183303 | 18330303 |
| 18 | Kagera | 3 | Muleba | 311 | Ruhanga | 02 | Ruhanga | 770 | 30 | 18 | 183 | 183311 | 18331102 |
| | | | **Muleba Count** | | | | | | **30** | | | | |
| 18 | Kagera | 4 | Biharamulo | 013 | B'mulo Mjini | 03 | Katelera | 402 | 01 | 18 | 184 | 184013 | 18401303 |
| 18 | Kagera | 4 | Biharamulo | 013 | B'mulo Mjini | 07 | Nyakatuntu | 546 | 02 | 18 | 184 | 184013 | 18401307 |
| 18 | Kagera | 4 | Biharamulo | 021 | Nyarubungo | 02 | Rusabya | 565 | 03 | 18 | 184 | 184021 | 18402102 |
| 18 | Kagera | 4 | Biharamulo | 021 | Nyarubungo | 07 | Katahoka | 913 | 04 | 18 | 184 | 184021 | 18402107 |
| 18 | Kagera | 4 | Biharamulo | 031 | Muganza | 01 | Nyabugera | 736 | 05 | 18 | 184 | 184031 | 18403101 |
| 18 | Kagera | 4 | Biharamulo | 031 | Muganza | 06 | Katemwa Part I | 1177 | 06 | 18 | 184 | 184031 | 18403106 |
| 18 | Kagera | 4 | Biharamulo | 041 | Kigongo | 02 | Kikumbaitale | 553 | 07 | 18 | 184 | 184041 | 18404102 |
| 18 | Kagera | 4 | Biharamulo | 051 | Nyamirembe | 01 | Kalebezo | 514 | 08 | 18 | 184 | 184051 | 18405101 |
| 18 | Kagera | 4 | Biharamulo | 071 | Ilemela | 01 | Ilemela | 288 | 09 | 18 | 184 | 184071 | 18407101 |
| 18 | Kagera | 4 | Biharamulo | 083 | Chato | 03 | Mbuye | 140 | 10 | 18 | 184 | 184083 | 18408303 |
| 18 | Kagera | 4 | Biharamulo | 091 | Katende | 02 | Chabulongo | 125 | 11 | 18 | 184 | 184091 | 18409102 |
| 18 | Kagera | 4 | Biharamulo | 101 | Kachwamba | 02 | Igalula | 318 | 12 | 18 | 184 | 184101 | 18410102 |
| 18 | Kagera | 4 | Biharamulo | 111 | Bukome | 01 | Nyabilezi | 178 | 13 | 18 | 184 | 184111 | 18411101 |
| 18 | Kagera | 4 | Biharamulo | 121 | Nyamigogo | 01 | Kagoma | 630 | 14 | 18 | 184 | 184121 | 18412101 |
| 18 | Kagera | 4 | Biharamulo | 131 | Makurugusi | 01 | Kibumba | 929 | 15 | 18 | 184 | 184131 | 18413101 |
| 18 | Kagera | 4 | Biharamulo | 131 | Makurugusi | 04 | Musasa | 468 | 16 | 18 | 184 | 184131 | 18413104 |
| 18 | Kagera | 4 | Biharamulo | 143 | Buseresere | 02 | Muranda | 966 | 17 | 18 | 184 | 184143 | 18414302 |
| 18 | Kagera | 4 | Biharamulo | 143 | Buseresere | 04 | Butengo/Rumasa | 1413 | 18 | 18 | 184 | 184143 | 18414304 |
| 18 | Kagera | 4 | Biharamulo | 143 | Buseresere | 07 | Iparamasa | 790 | 19 | 18 | 184 | 184143 | 18414307 |
| 18 | Kagera | 4 | Biharamulo | 153 | Bwanga | 02 | Kalembera | 713 | 20 | 18 | 184 | 184153 | 18415302 |
| 18 | Kagera | 4 | Biharamulo | 161 | Bwera | 01 | Busaka | 510 | 21 | 18 | 184 | 184161 | 18416101 |
| 18 | Kagera | 4 | Biharamulo | 173 | Buziku | 02 | Kakeneno | 258 | 22 | 18 | 184 | 184173 | 18417302 |
| 18 | Kagera | 4 | Biharamulo | 173 | Buziku | 06 | Nyantimba | 756 | 23 | 18 | 184 | 184173 | 18417306 |
| 18 | Kagera | 4 | Biharamulo | 181 | Nyabusozi | 03 | Mbindi | 453 | 24 | 18 | 184 | 184181 | 18418103 |
| 18 | Kagera | 4 | Biharamulo | 191 | Runazi | 02 | Kabindi | 487 | 25 | 18 | 184 | 184191 | 18419102 |
| 18 | Kagera | 4 | Biharamulo | 191 | Runazi | 05 | Kikomakoma | 749 | 26 | 18 | 184 | 184191 | 18419105 |
| 18 | Kagera | 4 | Biharamulo | 201 | Lusahunga | 03 | Nyantakala | 706 | 27 | 18 | 184 | 184201 | 18420103 |
| 18 | Kagera | 4 | Biharamulo | 211 | Kalenge | 01 | Kasato | 638 | 28 | 18 | 184 | 184211 | 18421101 |
| 18 | Kagera | 4 | Biharamulo | 211 | Kalenge | 06 | Kalenge | 732 | 29 | 18 | 184 | 184211 | 18421106 |
| 18 | Kagera | 4 | Biharamulo | 221 | Nyakahura | 04 | Mihongoro | 510 | 30 | 18 | 184 | 184221 | 18422104 |
| | | | **Biharamulo Count** | | | | | | **30** | | | | |
| 18 | Kagera | 5 | Ngara | 011 | Rusumo | 01 | Kasharazi | 523 | 01 | 18 | 185 | 185011 | 18501101 |
| 18 | Kagera | 5 | Ngara | 011 | Rusumo | 03 | Kasulo (I) | 1060 | 02 | 18 | 185 | 185011 | 18501103 |
| 18 | Kagera | 5 | Ngara | 021 | Nyakisasa | 01 | Nyamahwa | 416 | 03 | 18 | 185 | 185021 | 18502101 |
| 18 | Kagera | 5 | Ngara | 033 | Rulenge | 01 | Kanyinya | 466 | 04 | 18 | 185 | 185033 | 18503301 |
| 18 | Kagera | 5 | Ngara | 033 | Rulenge | 04 | Muyenzi | 347 | 05 | 18 | 185 | 185033 | 18503304 |
| 18 | Kagera | 5 | Ngara | 041 | Keza | 01 | Kazingati | 599 | 06 | 18 | 185 | 185041 | 18504101 |
| 18 | Kagera | 5 | Ngara | 051 | Murusagamba | 02 | Ntanga | 340 | 07 | 18 | 185 | 185051 | 18505102 |
| 18 | Kagera | 5 | Ngara | 051 | Murusagamba | 05 | Muruganga | 406 | 08 | 18 | 185 | 185051 | 18505105 |
| 18 | Kagera | 5 | Ngara | 061 | Muganza | 02 | Mukalinzi | 619 | 09 | 18 | 185 | 185061 | 18506102 |
| 18 | Kagera | 5 | Ngara | 071 | Bugarama | 02 | Bugarama | 436 | 10 | 18 | 185 | 185071 | 18507102 |
| 18 | Kagera | 5 | Ngara | 071 | Bugarama | 04 | Nyarulama | 541 | 11 | 18 | 185 | 185071 | 18507104 |
| 18 | Kagera | 5 | Ngara | 081 | Bukiriro | 02 | Nyabihanga | 363 | 12 | 18 | 185 | 185081 | 18508102 |
| 18 | Kagera | 5 | Ngara | 093 | Kabanga | 01 | Murukukumbo | 572 | 13 | 18 | 185 | 185093 | 18509301 |
| 18 | Kagera | 5 | Ngara | 093 | Kabanga | 03 | Ngundus | 617 | 14 | 18 | 185 | 185093 | 18509303 |
| 18 | Kagera | 5 | Ngara | 093 | Kabanga | 06 | Ibuga | 595 | 15 | 18 | 185 | 185093 | 18509306 |
| 18 | Kagera | 5 | Ngara | 101 | Mabawe | 02 | Muhweza | 528 | 16 | 18 | 185 | 185101 | 18510102 |
| 18 | Kagera | 5 | Ngara | 101 | Mabawe | 05 | Mukalisa | 292 | 17 | 18 | 185 | 185101 | 18510105 |
| 18 | Kagera | 5 | Ngara | 111 | Kanazi | 03 | Mukalehe | 469 | 18 | 18 | 185 | 185111 | 18511103 |
| 18 | Kagera | 5 | Ngara | 121 | Mugoma | 01 | Mugoma | 377 | 19 | 18 | 185 | 185121 | 18512101 |
| 18 | Kagera | 5 | Ngara | 121 | Mugoma | 04 | Muruvyagira | 649 | 20 | 18 | 185 | 185121 | 18512104 |
| 18 | Kagera | 5 | Ngara | 131 | Kirushya | 03 | Kirushya | 464 | 21 | 18 | 185 | 185131 | 18513103 |
| 18 | Kagera | 5 | Ngara | 141 | Ntobeye | 01 | Ntobeye | 723 | 22 | 18 | 185 | 185141 | 18514101 |
| 18 | Kagera | 5 | Ngara | 141 | Ntobeye | 03 | Chivu | 1013 | 23 | 18 | 185 | 185141 | 18514103 |
| 18 | Kagera | 5 | Ngara | 151 | Nyamiyaga | 02 | Murukulazo | 618 | 24 | 18 | 185 | 185151 | 18515102 |
| 18 | Kagera | 5 | Ngara | 151 | Nyamiyaga | 04 | Nyakiziba | 860 | 25 | 18 | 185 | 185151 | 18515104 |
| 18 | Kagera | 5 | Ngara | 163 | Ngara Mjini | 03 | Mukididiri | 300 | 26 | 18 | 185 | 185163 | 18516303 |
| 18 | Kagera | 5 | Ngara | 171 | Kibimba | 02 | Buhororo | 377 | 27 | 18 | 185 | 185171 | 18517102 |
| | | | **Ngara Count** | | | | | | **27** | | | | |
| 18 | Kagera | 6 | Bukoba Urban | 023 | Nshambya | 01 | Bunkango | 342 | 01 | 18 | 186 | 186023 | 18602301 |
| 18 | Kagera | 6 | Bukoba Urban | 031 | Buhembe | 01 | Binshwi | 534 | 02 | 18 | 186 | 186031 | 18603101 |
| 18 | Kagera | 6 | Bukoba Urban | 041 | Kahororo | 01 | Rwazi 'A' | 581 | 03 | 18 | 186 | 186041 | 18604101 |
| 18 | Kagera | 6 | Bukoba Urban | 091 | Ijuganyondo | 01 | Omundele | 436 | 04 | 18 | 186 | 186091 | 18609101 |
| 18 | Kagera | 6 | Bukoba Urban | 101 | Kitendaguro | 01 | Bwema/Igizo | 583 | 05 | 18 | 186 | 186101 | 18610101 |
| 18 | Kagera | 6 | Bukoba Urban | 111 | Kibeta | 01 | Kamagera | 574 | 06 | 18 | 186 | 186111 | 18611101 |
| 18 | Kagera | 6 | Bukoba Urban | 121 | Kagondo | 01 | Omurubare | 355 | 07 | 18 | 186 | 186121 | 18612101 |
| 18 | Kagera | 6 | Bukoba Urban | 131 | Nyanga | 01 | Kyakailabwa | 381 | 08 | 18 | 186 | 186131 | 18613101 |
| | | | **Bukoba Urban Count** | | | | | | **08** | | | | |
| | **Kagera Count** | | | | | | | | **165** | | | | |
| 19 | Mwanza | 1 | Ukerewe | 071 | Bukanda | 01 | Muhula | 511 | 01 | 19 | 191 | 191071 | 19107101 |
| 19 | Mwanza | 1 | Ukerewe | 071 | Bukanda | 04 | Hamuyebe | 603 | 02 | 19 | 191 | 191071 | 19107104 |
| 19 | Mwanza | 1 | Ukerewe | 081 | Mukituntu | 02 | Mahande | 630 | 03 | 19 | 191 | 191081 | 19108102 |
| 19 | Mwanza | 1 | Ukerewe | 081 | Mukituntu | 05 | Lutare | 403 | 04 | 19 | 191 | 191081 | 19108105 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | Mwanza | 1 | Ukerewe | 091 | Igalla | 02 | Buhima | 729 | 05 | 19 | 191 | 191091 | 19109102 |
| 19 | Mwanza | 1 | Ukerewe | 101 | Bwiro | 01 | Serema | 448 | 06 | 19 | 191 | 191101 | 19110101 |
| 19 | Mwanza | 1 | Ukerewe | 101 | Bwiro | 04 | Busumba | 594 | 07 | 19 | 191 | 191101 | 19110104 |
| 19 | Mwanza | 1 | Ukerewe | 113 | Muriti | 02 | Igongo | 336 | 08 | 19 | 191 | 191113 | 19111302 |
| 19 | Mwanza | 1 | Ukerewe | 113 | Muriti | 05 | Bugula | 949 | 09 | 19 | 191 | 191113 | 19111305 |
| 19 | Mwanza | 1 | Ukerewe | 121 | Ilangala | 02 | Masonga | 758 | 10 | 19 | 191 | 191121 | 19112102 |
| 19 | Mwanza | 1 | Ukerewe | 121 | Ilangala | 03 | Murutilima | 642 | 11 | 19 | 191 | 191121 | 19112103 |
| 19 | Mwanza | 1 | Ukerewe | 121 | Ilangala | 06 | Kaseni | 531 | 12 | 19 | 191 | 191121 | 19112106 |
| 19 | Mwanza | 1 | Ukerewe | 131 | Namilembe | 02 | Nakamwa | 456 | 13 | 19 | 191 | 191131 | 19113102 |
| 19 | Mwanza | 1 | Ukerewe | 131 | Namilembe | 05 | Busagami | 318 | 14 | 19 | 191 | 191131 | 19113105 |
| 19 | Mwanza | 1 | Ukerewe | 141 | Nduruma | 03 | Chamuhunda | 353 | 15 | 19 | 191 | 191141 | 19114103 |
| 19 | Mwanza | 1 | Ukerewe | 151 | Murutunguru | 01 | Bugolola | 791 | 16 | 19 | 191 | 191151 | 19115101 |
| 19 | Mwanza | 1 | Ukerewe | 151 | Murutunguru | 03 | Murutunguru | 746 | 17 | 19 | 191 | 191151 | 19115103 |
| 19 | Mwanza | 1 | Ukerewe | 161 | Kagunguli | 01 | Buguza | 457 | 18 | 19 | 191 | 191161 | 19116101 |
| 19 | Mwanza | 1 | Ukerewe | 161 | Kagunguli | 04 | Buzegwe | 590 | 19 | 19 | 191 | 191161 | 19116104 |
| 19 | Mwanza | 1 | Ukerewe | 171 | Bukindo | 01 | Murutanga | 363 | 20 | 19 | 191 | 191171 | 19117101 |
| 19 | Mwanza | 1 | Ukerewe | 171 | Bukindo | 04 | Musozi | 472 | 21 | 19 | 191 | 191171 | 19117104 |
| 19 | Mwanza | 1 | Ukerewe | 181 | Namagondo | 02 | Namagondo | 519 | 22 | 19 | 191 | 191181 | 19118102 |
| 19 | Mwanza | 1 | Ukerewe | 191 | Ngoma | 02 | Nebuye | 407 | 23 | 19 | 191 | 191191 | 19119102 |
| 19 | Mwanza | 1 | Ukerewe | 191 | Ngoma | 04 | Muruseni | 403 | 24 | 19 | 191 | 191191 | 19119104 |
| 19 | Mwanza | 1 | Ukerewe | 201 | Bwisya | 02 | Nyang'ombe | 476 | 25 | 19 | 191 | 191201 | 19120102 |
| 19 | Mwanza | 1 | Ukerewe | 221 | Nyamanga | 01 | Chibasi | 280 | 26 | 19 | 191 | 191221 | 19122101 |
| 19 | Mwanza | 1 | Ukerewe | 231 | Bukiko | 02 | Bukiko | 383 | 27 | 19 | 191 | 191231 | 19123102 |
| | | | **Ukerewe Count** | | | | | | **27** | | | | |
| 19 | Mwanza | 2 | Magu | 013 | Kisesa | 02 | Kitumba | 597 | 01 | 19 | 192 | 192013 | 19201302 |
| 19 | Mwanza | 2 | Magu | 021 | Bujashi | 01 | Matale | 450 | 02 | 19 | 192 | 192021 | 19202101 |
| 19 | Mwanza | 2 | Magu | 031 | Lutale | 02 | Itandula | 302 | 03 | 19 | 192 | 192031 | 19203102 |
| 19 | Mwanza | 2 | Magu | 041 | Kongolo | 01 | Kongolo | 686 | 04 | 19 | 192 | 192041 | 19204101 |
| 19 | Mwanza | 2 | Magu | 053 | Nyanguge | 02 | Muda | 443 | 05 | 19 | 192 | 192053 | 19205302 |
| 19 | Mwanza | 2 | Magu | 061 | Kitongo - Sima | 03 | Lugeye | 606 | 06 | 19 | 192 | 192061 | 19206103 |
| 19 | Mwanza | 2 | Magu | 081 | Kahangara | 01 | Nyamahanga | 573 | 07 | 19 | 192 | 192081 | 19208101 |
| 19 | Mwanza | 2 | Magu | 081 | Kahangara | 06 | Shinembo | 333 | 08 | 19 | 192 | 192081 | 19208106 |
| 19 | Mwanza | 2 | Magu | 091 | Nyigogo | 05 | Sagani | 657 | 09 | 19 | 192 | 192091 | 19209105 |
| 19 | Mwanza | 2 | Magu | 111 | Sukuma | 01 | Buhumbi | 580 | 10 | 19 | 192 | 192111 | 19211101 |
| 19 | Mwanza | 2 | Magu | 111 | Sukuma | 04 | Nyang'hanga | 796 | 11 | 19 | 192 | 192111 | 19211104 |
| 19 | Mwanza | 2 | Magu | 121 | Lubugu | 04 | Nsolla | 387 | 12 | 19 | 192 | 192121 | 19212104 |
| 19 | Mwanza | 2 | Magu | 141 | Mwamanyili | 01 | Mwamanyili | 400 | 13 | 19 | 192 | 192141 | 19214101 |
| 19 | Mwanza | 2 | Magu | 141 | Mwamanyili | 04 | Bulima | 786 | 14 | 19 | 192 | 192141 | 19214104 |
| 19 | Mwanza | 2 | Magu | 151 | Shigala | 03 | Ihayabuyaga | 441 | 15 | 19 | 192 | 192151 | 19215103 |
| 19 | Mwanza | 2 | Magu | 161 | Kabita | 04 | Nyamikoma | 1180 | 16 | 19 | 192 | 192161 | 19216104 |
| 19 | Mwanza | 2 | Magu | 173 | Kalemela | 01 | Mayega | 495 | 17 | 19 | 192 | 192173 | 19217301 |
| 19 | Mwanza | 2 | Magu | 173 | Kalemela | 04 | Lamadi | 699 | 18 | 19 | 192 | 192173 | 19217304 |
| 19 | Mwanza | 2 | Magu | 181 | Mkula | 02 | Ng'wanihale | 216 | 19 | 19 | 192 | 192181 | 19218102 |
| 19 | Mwanza | 2 | Magu | 181 | Mkula | 08 | Kijilishi | 681 | 20 | 19 | 192 | 192181 | 19218108 |
| 19 | Mwanza | 2 | Magu | 191 | Igalukilo | 04 | Mwamagigisi | 865 | 21 | 19 | 192 | 192191 | 19219104 |
| 19 | Mwanza | 2 | Magu | 201 | Ngasamo | 02 | Ngasamo | 813 | 22 | 19 | 192 | 192201 | 19220102 |
| 19 | Mwanza | 2 | Magu | 211 | Malili | 02 | Gininiga | 971 | 23 | 19 | 192 | 192211 | 19221102 |
| 19 | Mwanza | 2 | Magu | 211 | Malili | 04 | Mwamigongwa | 992 | 24 | 19 | 192 | 192211 | 19221104 |
| 19 | Mwanza | 2 | Magu | 221 | Badugu | 04 | Busami | 426 | 25 | 19 | 192 | 192221 | 19222104 |
| 19 | Mwanza | 2 | Magu | 231 | Nyaluhande | 03 | Mwagindi | 324 | 26 | 19 | 192 | 192231 | 19223103 |
| 19 | Mwanza | 2 | Magu | 241 | Ng'haya | 04 | Bugatu | 539 | 27 | 19 | 192 | 192241 | 19224104 |
| 19 | Mwanza | 2 | Magu | 251 | Nkungulu | 03 | Kabila | 609 | 28 | 19 | 192 | 192251 | 19225103 |
| 19 | Mwanza | 2 | Magu | 261 | Shishani | 01 | Isolo | 771 | 29 | 19 | 192 | 192261 | 19226101 |
| 19 | Mwanza | 2 | Magu | 261 | Shishani | 05 | Nyasato | 526 | 30 | 19 | 192 | 192261 | 19226105 |
| | | | **Magu Count** | | | | | | **30** | | | | |
| 19 | Mwanza | 4 | Kwimba | 011 | Wala | 02 | Shilanona | 366 | 01 | 19 | 194 | 194011 | 19401102 |
| 19 | Mwanza | 4 | Kwimba | 021 | Bungulwa | 01 | Isunga | 368 | 02 | 19 | 194 | 194021 | 19402101 |
| 19 | Mwanza | 4 | Kwimba | 031 | Sumve | 01 | Sumve | 824 | 03 | 19 | 194 | 194031 | 19403101 |
| 19 | Mwanza | 4 | Kwimba | 031 | Sumve | 04 | Nyamikoma | 280 | 04 | 19 | 194 | 194031 | 19403104 |
| 19 | Mwanza | 4 | Kwimba | 041 | Mantare | 03 | Mwampulu | 412 | 05 | 19 | 194 | 194041 | 19404103 |
| 19 | Mwanza | 4 | Kwimba | 051 | Ngula | 03 | Nyambuyi | 340 | 06 | 19 | 194 | 194051 | 19405103 |
| 19 | Mwanza | 4 | Kwimba | 061 | Mwabomba | 02 | Mwabomba | 650 | 07 | 19 | 194 | 194061 | 19406102 |
| 19 | Mwanza | 4 | Kwimba | 071 | Mwagi | 03 | Mwabilanda | 386 | 08 | 19 | 194 | 194071 | 19407103 |
| 19 | Mwanza | 4 | Kwimba | 071 | Mwagi | 07 | Ng'waging'hi | 310 | 09 | 19 | 194 | 194071 | 19407107 |
| 19 | Mwanza | 4 | Kwimba | 081 | Iseni | 03 | Icheja | 199 | 10 | 19 | 194 | 194081 | 19408103 |
| 19 | Mwanza | 4 | Kwimba | 091 | Nyambiti | 04 | Ibindo | 480 | 11 | 19 | 194 | 194091 | 19409104 |
| 19 | Mwanza | 4 | Kwimba | 101 | Maligisu | 02 | Kadashi | 510 | 12 | 19 | 194 | 194101 | 19410102 |
| 19 | Mwanza | 4 | Kwimba | 101 | Maligisu | 04 | Maligisu | 599 | 13 | 19 | 194 | 194101 | 19410104 |
| 19 | Mwanza | 4 | Kwimba | 123 | Malya | 01 | Mwitambu | 303 | 14 | 19 | 194 | 194123 | 19412301 |
| 19 | Mwanza | 4 | Kwimba | 131 | Lyoma | 02 | Lyoma | 337 | 15 | 19 | 194 | 194131 | 19413102 |
| 19 | Mwanza | 4 | Kwimba | 141 | Mwang'halanga | 02 | Mahiga | 482 | 16 | 19 | 194 | 194141 | 19414102 |
| 19 | Mwanza | 4 | Kwimba | 151 | Nyamilama | 02 | Bugembe | 406 | 17 | 19 | 194 | 194151 | 19415102 |
| 19 | Mwanza | 4 | Kwimba | 161 | Mwakilyambiti | 01 | Mwakilyambiti | 416 | 18 | 19 | 194 | 194161 | 19416101 |
| 19 | Mwanza | 4 | Kwimba | 161 | Mwakilyambiti | 04 | Mwamakoye | 636 | 19 | 19 | 194 | 194161 | 19416104 |
| 19 | Mwanza | 4 | Kwimba | 171 | Hungumalwa | 03 | Hungumalwa | 767 | 20 | 19 | 194 | 194171 | 19417103 |
| 19 | Mwanza | 4 | Kwimba | 171 | Hungumalwa | 05 | Manai | 527 | 21 | 19 | 194 | 194171 | 19417105 |
| 19 | Mwanza | 4 | Kwimba | 181 | Mwamala | 02 | Kijida | 352 | 22 | 19 | 194 | 194181 | 19418102 |
| 19 | Mwanza | 4 | Kwimba | 191 | Kikubiji | 01 | Mwalubungwe | 244 | 23 | 19 | 194 | 194191 | 19419101 |
| 19 | Mwanza | 4 | Kwimba | 191 | Kikubiji | 04 | Mwabayanda | 322 | 24 | 19 | 194 | 194191 | 19419104 |
| 19 | Mwanza | 4 | Kwimba | 201 | Mhande | 04 | Izizimba 'A' | 529 | 25 | 19 | 194 | 194201 | 19420104 |
| 19 | Mwanza | 4 | Kwimba | 211 | Bupamwa | 02 | Chasalawi | 421 | 26 | 19 | 194 | 194211 | 19421102 |
| 19 | Mwanza | 4 | Kwimba | 221 | Fukalo | 02 | Nyang'honge | 304 | 27 | 19 | 194 | 194221 | 19422102 |
| 19 | Mwanza | 4 | Kwimba | 231 | Ng'hundi | 01 | Jojiro | 552 | 28 | 19 | 194 | 194231 | 19423101 |
| 19 | Mwanza | 4 | Kwimba | 241 | Igongwa | 02 | Manguluma | 568 | 29 | 19 | 194 | 194241 | 19424102 |
| 19 | Mwanza | 4 | Kwimba | 253 | Ngudu | 01 | Welamasonga | 630 | 30 | 19 | 194 | 194253 | 19425301 |
| | | | **Kwimba Count** | | | | | | **30** | | | | |
| 19 | Mwanza | 5 | Sengerema | 013 | Sengerema | 02 | Mwabaluhi | 346 | 01 | 19 | 195 | 195013 | 19501302 |
| 19 | Mwanza | 5 | Sengerema | 021 | Nyamazugo | 03 | Nyamizeze | 521 | 02 | 19 | 195 | 195021 | 19502103 |
| 19 | Mwanza | 5 | Sengerema | 031 | Chifunfu | 03 | Nyakahako | 646 | 03 | 19 | 195 | 195031 | 19503103 |
| 19 | Mwanza | 5 | Sengerema | 031 | Chifunfu | 06 | Kasenyi | 613 | 04 | 19 | 195 | 195031 | 19503106 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | Mwanza | 5 | Sengerema | 041 | Katunguru | 05 | Katunguru | 845 | 05 | 19 | 195 | 195041 | 19504105 |
| 19 | Mwanza | 5 | Sengerema | 051 | Kasungamile | 03 | Kasungamile | 323 | 06 | 19 | 195 | 195051 | 19505103 |
| 19 | Mwanza | 5 | Sengerema | 061 | Nyamatongo | 02 | Karumo | 570 | 07 | 19 | 195 | 195061 | 19506102 |
| 19 | Mwanza | 5 | Sengerema | 061 | Nyamatongo | 06 | Ngoma 'B' | 389 | 08 | 19 | 195 | 195061 | 19506106 |
| 19 | Mwanza | 5 | Sengerema | 071 | Tabaruka | 05 | Nyampande | 412 | 09 | 19 | 195 | 195071 | 19507105 |
| 19 | Mwanza | 5 | Sengerema | 081 | Busisi | 02 | Kahumulo | 418 | 10 | 19 | 195 | 195081 | 19508102 |
| 19 | Mwanza | 5 | Sengerema | 091 | Buyagu | 02 | Kalangalala | 191 | 11 | 19 | 195 | 195091 | 19509102 |
| 19 | Mwanza | 5 | Sengerema | 101 | Igalula | 01 | Ngoma 'A' | 653 | 12 | 19 | 195 | 195101 | 19510101 |
| 19 | Mwanza | 5 | Sengerema | 111 | Kagunga | 04 | Nyanchenhe | 546 | 13 | 19 | 195 | 195111 | 19511104 |
| 19 | Mwanza | 5 | Sengerema | 121 | Sima | 04 | Ijinga | 226 | 14 | 19 | 195 | 195121 | 19512104 |
| 19 | Mwanza | 5 | Sengerema | 131 | Nyakasungwa | 02 | Kasisa | 973 | 15 | 19 | 195 | 195131 | 19513102 |
| 19 | Mwanza | 5 | Sengerema | 141 | Kalebezo | 02 | Nyashana | 239 | 16 | 19 | 195 | 195141 | 19514102 |
| 19 | Mwanza | 5 | Sengerema | 151 | Nyehunge | 02 | Nyamadoke | 446 | 17 | 19 | 195 | 195151 | 19515102 |
| 19 | Mwanza | 5 | Sengerema | 151 | Nyehunge | 04 | Nyehunge I | 1241 | 18 | 19 | 195 | 195151 | 19515104 |
| 19 | Mwanza | 5 | Sengerema | 171 | Bupandwamhela | 01 | Iligamba | 909 | 19 | 19 | 195 | 195171 | 19517101 |
| 19 | Mwanza | 5 | Sengerema | 171 | Bupandwamhela | 04 | Bupandwamhela I | 1148 | 20 | 19 | 195 | 195171 | 19517104 |
| 19 | Mwanza | 5 | Sengerema | 181 | Katwe | 01 | Kahunda | 735 | 21 | 19 | 195 | 195181 | 19518101 |
| 19 | Mwanza | 5 | Sengerema | 181 | Katwe | 05 | Kasheka | 309 | 22 | 19 | 195 | 195181 | 19518105 |
| 19 | Mwanza | 5 | Sengerema | 201 | Kazunzu | 01 | Lushamba | 610 | 23 | 19 | 195 | 195201 | 19520101 |
| 19 | Mwanza | 5 | Sengerema | 201 | Kazunzu | 03 | Itabagumba | 769 | 24 | 19 | 195 | 195201 | 19520103 |
| 19 | Mwanza | 5 | Sengerema | 201 | Kazunzu | 09 | Luharanyonga | 382 | 25 | 19 | 195 | 195201 | 19520109 |
| 19 | Mwanza | 5 | Sengerema | 211 | Lugata | 04 | Lugata I | 1176 | 26 | 19 | 195 | 195211 | 19521104 |
| 19 | Mwanza | 5 | Sengerema | 221 | Nyakalilo | 02 | Nyakalilo | 980 | 27 | 19 | 195 | 195221 | 19522102 |
| 19 | Mwanza | 5 | Sengerema | 221 | Nyakalilo | 04 | Sukuma | 611 | 28 | 19 | 195 | 195221 | 19522104 |
| 19 | Mwanza | 5 | Sengerema | 231 | Nyakasasa | 04 | Isenyi | 521 | 29 | 19 | 195 | 195231 | 19523104 |
| 19 | Mwanza | 5 | Sengerema | 251 | Nyanzenda | 01 | Luchili | 547 | 30 | 19 | 195 | 195251 | 19525101 |
| | | | **Sengerema Count** | | | | | | **30** | | | | |
| 19 | Mwanza | 6 | Geita | 011 | Nzera | 01 | Sungusira | 909 | 01 | 19 | 196 | 196011 | 19601101 |
| 19 | Mwanza | 6 | Geita | 011 | Nzera | 04 | Lwezera | 817 | 02 | 19 | 196 | 196011 | 19601104 |
| 19 | Mwanza | 6 | Geita | 023 | Nkome | 02 | Katoma | 779 | 03 | 19 | 196 | 196023 | 19602302 |
| 19 | Mwanza | 6 | Geita | 031 | Kagu | 02 | Kagu | 834 | 04 | 19 | 196 | 196031 | 19603102 |
| 19 | Mwanza | 6 | Geita | 031 | Kagu | 05 | Bugulula | 725 | 05 | 19 | 196 | 196031 | 19603105 |
| 19 | Mwanza | 6 | Geita | 041 | Senga | 03 | Senga | 1169 | 06 | 19 | 196 | 196041 | 19604103 |
| 19 | Mwanza | 6 | Geita | 041 | Senga | 05 | Kakubiro | 1320 | 07 | 19 | 196 | 196041 | 19604105 |
| 19 | Mwanza | 6 | Geita | 053 | Katoro | 02 | Katoro | 639 | 08 | 19 | 196 | 196053 | 19605302 |
| 19 | Mwanza | 6 | Geita | 053 | Katoro | 07 | Ibondo | 596 | 09 | 19 | 196 | 196053 | 19605307 |
| 19 | Mwanza | 6 | Geita | 061 | Chigunga | 04 | Saragurwa | 564 | 10 | 19 | 196 | 196061 | 19606104 |
| 19 | Mwanza | 6 | Geita | 071 | Nyachililuluma | 05 | Kasang'wa | 703 | 11 | 19 | 196 | 196071 | 19607105 |
| 19 | Mwanza | 6 | Geita | 091 | Bukwimba | 01 | Bulangale | 285 | 12 | 19 | 196 | 196091 | 19609101 |
| 19 | Mwanza | 6 | Geita | 101 | Nyugwa | 03 | Mimbili | 257 | 13 | 19 | 196 | 196101 | 19610103 |
| 19 | Mwanza | 6 | Geita | 121 | Busanda | 02 | Msasa | 532 | 14 | 19 | 196 | 196121 | 19612102 |
| 19 | Mwanza | 6 | Geita | 131 | Bukoli | 03 | Ihega | 373 | 15 | 19 | 196 | 196131 | 19613103 |
| 19 | Mwanza | 6 | Geita | 141 | Nyamalimbe | 01 | Bujula | 1520 | 16 | 19 | 196 | 196141 | 19614101 |
| 19 | Mwanza | 6 | Geita | 141 | Nyamalimbe | 04 | Buzanaki | 569 | 17 | 19 | 196 | 196141 | 19614104 |
| 19 | Mwanza | 6 | Geita | 151 | Nyakamwaga | 02 | Nyakamwaga | 477 | 18 | 19 | 196 | 196151 | 19615102 |
| 19 | Mwanza | 6 | Geita | 161 | Kamena | 01 | Imalampaka | 240 | 19 | 19 | 196 | 196161 | 19616101 |
| 19 | Mwanza | 6 | Geita | 161 | Kamena | 05 | Nyalwanzaja | 1075 | 20 | 19 | 196 | 196161 | 19616105 |
| 19 | Mwanza | 6 | Geita | 171 | Nyang'hwale | 03 | Ibambila | 363 | 21 | 19 | 196 | 196171 | 19617103 |
| 19 | Mwanza | 6 | Geita | 171 | Nyang'hwale | 05 | Nyaruguguna | 1135 | 22 | 19 | 196 | 196171 | 19617105 |
| 19 | Mwanza | 6 | Geita | 181 | Busolwa | 04 | Busolwa | 1248 | 23 | 19 | 196 | 196181 | 19618104 |
| 19 | Mwanza | 6 | Geita | 191 | Shabaka | 03 | Lubando | 163 | 24 | 19 | 196 | 196191 | 19619103 |
| 19 | Mwanza | 6 | Geita | 201 | Mwingiro | 04 | Bujulamiyenze | 334 | 25 | 19 | 196 | 196201 | 19620104 |
| 19 | Mwanza | 6 | Geita | 213 | Kalangalala | 04 | Nyankumbu | 755 | 26 | 19 | 196 | 196213 | 19621304 |
| 19 | Mwanza | 6 | Geita | 221 | Mtakuja | 04 | Nyakabale | 294 | 27 | 19 | 196 | 196221 | 19622104 |
| 19 | Mwanza | 6 | Geita | 231 | Ihanamilo | 07 | Igenge | 250 | 28 | 19 | 196 | 196231 | 19623107 |
| 19 | Mwanza | 6 | Geita | 251 | Bulela | 01 | Gamashi | 464 | 29 | 19 | 196 | 196251 | 19625101 |
| 19 | Mwanza | 6 | Geita | 251 | Bulela | 05 | Nyaseke | 994 | 30 | 19 | 196 | 196251 | 19625105 |
| 19 | Mwanza | 6 | Geita | 261 | Kamhanga | 05 | Misiri | 500 | 31 | 19 | 196 | 196261 | 19626105 |
| 19 | Mwanza | 6 | Geita | 261 | kamhanga | 08 | Kamhanga | 1152 | 32 | 19 | 196 | 196261 | 19626108 |
| 19 | Mwanza | 6 | Geita | 271 | Lubanga | 03 | Lubanga | 753 | 33 | 19 | 196 | 196271 | 19627103 |
| 19 | Mwanza | 6 | Geita | 271 | Lubanga | 07 | Nyakaduha | 570 | 34 | 19 | 196 | 196271 | 19627107 |
| 19 | Mwanza | 6 | Geita | 281 | Kaseme | 05 | Magenge | 362 | 35 | 19 | 196 | 196281 | 19628105 |
| 19 | Mwanza | 6 | Geita | 291 | Nyakagomba | 03 | Nyakagomba | 600 | 36 | 19 | 196 | 196291 | 19629103 |
| 19 | Mwanza | 6 | Geita | 311 | Kafita | 01 | Lushimba | 376 | 37 | 19 | 196 | 196311 | 19631101 |
| 19 | Mwanza | 6 | Geita | 321 | Lwamgasa | 03 | Kilombero II | 359 | 38 | 19 | 196 | 196321 | 19632103 |
| 19 | Mwanza | 6 | Geita | 331 | Nyarugusu | 02 | Wigo | 544 | 39 | 19 | 196 | 196331 | 19633102 |
| 19 | Mwanza | 6 | Geita | 331 | Nyarugusu | 05 | Nyarugusu I | 854 | 40 | 19 | 196 | 196331 | 19633105 |
| | | | **Geita Count** | | | | | | **40** | | | | |
| 19 | Mwanza | 7 | Missungwi | 011 | Bulemeji | 02 | Buganda | 343 | 01 | 19 | 197 | 197011 | 19701102 |
| 19 | Mwanza | 7 | Missungwi | 021 | Idetemya | 01 | Bukumbi | 641 | 02 | 19 | 197 | 197021 | 19702101 |
| 19 | Mwanza | 7 | Missungwi | 021 | Idetemya | 03 | Isamilo | 729 | 03 | 19 | 197 | 197021 | 19702103 |
| 19 | Mwanza | 7 | Missungwi | 033 | Usagara | 02 | Nyang'homango | 537 | 04 | 19 | 197 | 197033 | 19703302 |
| 19 | Mwanza | 7 | Missungwi | 041 | Ukiriguru | 01 | Nyang'holongo | 396 | 05 | 19 | 197 | 197041 | 19704101 |
| 19 | Mwanza | 7 | Missungwi | 051 | Kanyelele | 02 | Gambajiga | 355 | 06 | 19 | 197 | 197051 | 19705102 |
| 19 | Mwanza | 7 | Missungwi | 061 | Koromije | 02 | Mwalwigi | 240 | 07 | 19 | 197 | 197061 | 19706102 |
| 19 | Mwanza | 7 | Missungwi | 061 | Koromije | 06 | Koromije | 387 | 08 | 19 | 197 | 197061 | 19706106 |
| 19 | Mwanza | 7 | Missungwi | 071 | Igokelo | 02 | Wanzamiso | 235 | 09 | 19 | 197 | 197071 | 19707102 |
| 19 | Mwanza | 7 | Missungwi | 071 | Igokelo | 05 | Mwajombo | 681 | 10 | 19 | 197 | 197071 | 19707105 |
| 19 | Mwanza | 7 | Missungwi | 081 | Mwaniko | 02 | Mondo | 556 | 11 | 19 | 197 | 197081 | 19708102 |
| 19 | Mwanza | 7 | Missungwi | 093 | Missungwi | 01 | Iteja | 676 | 12 | 19 | 197 | 197093 | 19709301 |
| 19 | Mwanza | 7 | Missungwi | 093 | Missungwi | 03 | Lubuga | 557 | 13 | 19 | 197 | 197093 | 19709303 |
| 19 | Mwanza | 7 | Missungwi | 093 | Missungwi | 04 | Mabuki I | 1107 | 14 | 19 | 197 | 197093 | 19709304 |
| 19 | Mwanza | 7 | Missungwi | 103 | Misasi | 03 | Mwasagela | 349 | 15 | 19 | 197 | 197103 | 19710303 |
| 19 | Mwanza | 7 | Missungwi | 111 | Kijima | 03 | Mwamaguhwa | 355 | 16 | 19 | 197 | 197111 | 19711103 |
| 19 | Mwanza | 7 | Missungwi | 121 | Shilalo | 03 | Mwamboku | 412 | 17 | 19 | 197 | 197121 | 19712103 |
| 19 | Mwanza | 7 | Missungwi | 131 | Buhingo | 02 | Buhingo | 309 | 18 | 19 | 197 | 197131 | 19713102 |
| 19 | Mwanza | 7 | Missungwi | 141 | Busongo | 02 | Kifune | 286 | 19 | 19 | 197 | 197141 | 19714102 |
| 19 | Mwanza | 7 | Missungwi | 151 | Nhundulu | 01 | Mwagiligili | 572 | 20 | 19 | 197 | 197151 | 19715101 |
| 19 | Mwanza | 7 | Missungwi | 151 | Nhundulu | 03 | Ibinza | 192 | 21 | 19 | 197 | 197151 | 19715103 |
| 19 | Mwanza | 7 | Missungwi | 161 | Luburi | 02 | Ilalambogo | 241 | 22 | 19 | 197 | 197161 | 19716102 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | Mwanza | 7 | Missungwi | 171 | Ilujamate | 03 | Mbalama | 267 | 23 | 19 | 197 | 197171 | 19717103 |
| 19 | Mwanza | 7 | Missungwi | 181 | Mbarika | 02 | Mbarika | 469 | 24 | 19 | 197 | 197181 | 19718102 |
| 19 | Mwanza | 7 | Missungwi | 191 | Sumbugu | 01 | Sumbugu | 477 | 25 | 19 | 197 | 197191 | 19719101 |
| 19 | Mwanza | 7 | Missungwi | 191 | Sumbugu | 04 | Kwimwa | 407 | 26 | 19 | 197 | 197191 | 19719104 |
| 19 | Mwanza | 7 | Missungwi | 201 | Kasololo | 03 | Igumo | 538 | 27 | 19 | 197 | 197201 | 19720103 |
| | | | **Missungwi Count** | | | | | | **27** | | | | |
| 19 | Mwanza | 8 | Ilemela | 043 | Igoma | 01 | Kishili | 657 | 01 | 19 | 198 | 198043 | 19804301 |
| 19 | Mwanza | 8 | Ilemela | 043 | Igoma | 02 | Fumagila | 344 | 02 | 19 | 198 | 198043 | 19804302 |
| 19 | Mwanza | 8 | Ilemela | 051 | Sangabuye | 01 | Kabusungu | 394 | 03 | 19 | 198 | 198051 | 19805101 |
| 19 | Mwanza | 8 | Ilemela | 051 | Sangabuye | 02 | Nyafula | 528 | 04 | 19 | 198 | 198051 | 19805102 |
| 19 | Mwanza | 8 | Ilemela | 051 | Sangabuye | 03 | Sangabuye | 521 | 05 | 19 | 198 | 198051 | 19805103 |
| 19 | Mwanza | 8 | Ilemela | 061 | Bugogwa | 01 | Igogwe | 850 | 06 | 19 | 198 | 198061 | 19806101 |
| 19 | Mwanza | 8 | Ilemela | 061 | Bugogwa | 02 | Nyamwilolelwa | 911 | 07 | 19 | 198 | 198061 | 19806102 |
| 19 | Mwanza | 8 | Ilemela | 061 | Bugogwa | 03 | Igombe | 1510 | 8,9 | 19 | 198 | 198061 | 19806103 |
| 19 | Mwanza | 8 | Ilemela | 073 | Ilemela | 01 | Kiseke | 921 | 10 | 19 | 198 | 198073 | 19807301 |
| 19 | Mwanza | 8 | Ilemela | 073 | Ilemela | 02 | Kahama | 530 | 11 | 19 | 198 | 198073 | 19807302 |
| 19 | Mwanza | 8 | Ilemela | 081 | Mkolani | 01 | Luchelele | 1124 | 12 | 19 | 198 | 198081 | 19808101 |
| 19 | Mwanza | 8 | Ilemela | 081 | Mkolani | 02 | Mkolani | 1239 | 13 | 19 | 198 | 198081 | 19808102 |
| 19 | Mwanza | 8 | Ilemela | 091 | Buhongwa | 01 | Buhongwa | 868 | 14 | 19 | 198 | 198091 | 19809101 |
| 19 | Mwanza | 8 | Ilemela | 091 | Buhongwa | 02 | Lwanhima | 707 | 15 | 19 | 198 | 198091 | 19809102 |
| 19 | Mwanza | 8 | Ilemela | 101 | Buswelu | 01 | Buswelu | 946 | 16 | 19 | 198 | 198101 | 19810101 |
| 19 | Mwanza | 8 | Ilemela | 101 | Buswelu | 02 | Nyamadoke | 296 | 17 | 19 | 198 | 198101 | 19810102 |
| 19 | Mwanza | 8 | Ilemela | 101 | Buswelu | 03 | Nyamhongolo | 588 | 18 | 19 | 198 | 198101 | 19810103 |
| | | | Ilemela Count | | | | | | 17 | | | | |
| | Mwanza Count | | | | | | | | 201 | | | | |
| 20 | Mara | 1 | Tarime | 021 | Mwema | 01 | Kubiterere | 612 | 01 | 20 | 201 | 201021 | 20102101 |
| 20 | Mara | 1 | Tarime | 021 | Mwema | 03 | Nyamuhunda | 493 | 02 | 20 | 201 | 201021 | 20102103 |
| 20 | Mara | 1 | Tarime | 041 | Pemba | 01 | Nyabisaga | 408 | 03 | 20 | 201 | 201041 | 20104101 |
| 20 | Mara | 1 | Tarime | 041 | Pemba | 06 | Borega 'B' | 440 | 04 | 20 | 201 | 201041 | 20104106 |
| 20 | Mara | 1 | Tarime | 061 | Nyarero | 01 | Soroneta | 491 | 05 | 20 | 201 | 201061 | 20106101 |
| 20 | Mara | 1 | Tarime | 061 | Nyarero | 04 | Nyarero | 514 | 06 | 20 | 201 | 201061 | 20106104 |
| 20 | Mara | 1 | Tarime | 071 | Nyamwaga | 03 | Nyamwaga | 661 | 07 | 20 | 201 | 201071 | 20107103 |
| 20 | Mara | 1 | Tarime | 081 | Muriba | 04 | Nyantira | 1190 | 08 | 20 | 201 | 201081 | 20108104 |
| 20 | Mara | 1 | Tarime | 091 | Nyanungu | 01 | Itiryo | 1108 | 09 | 20 | 201 | 201091 | 20109101 |
| 20 | Mara | 1 | Tarime | 091 | Nyanungu | 02 | Mangucha | 1120 | 10 | 20 | 201 | 201091 | 20109102 |
| 20 | Mara | 1 | Tarime | 101 | Gorong'a | 01 | Masanga | 609 | 11 | 20 | 201 | 201101 | 20110101 |
| 20 | Mara | 1 | Tarime | 111 | Nyarokoba | 01 | Genkuru | 640 | 12 | 20 | 201 | 201111 | 20111101 |
| 20 | Mara | 1 | Tarime | 121 | Kemambo | 01 | Kewanja | 814 | 13 | 20 | 201 | 201121 | 20112101 |
| 20 | Mara | 1 | Tarime | 131 | Kibasuka | 02 | Nyarwana | 381 | 14 | 20 | 201 | 201131 | 20113102 |
| 20 | Mara | 1 | Tarime | 141 | Binagi | 02 | Magoma | 691 | 15 | 20 | 201 | 201141 | 20114102 |
| 20 | Mara | 1 | Tarime | 153 | Turwa | 01 | Magena | 768 | 16 | 20 | 201 | 201153 | 20115301 |
| 20 | Mara | 1 | Tarime | 153 | Turwa | 04 | Tagota | 639 | 17 | 20 | 201 | 201153 | 20115304 |
| 20 | Mara | 1 | Tarime | 171 | Nyandoto | 05 | Gamasara | 325 | 18 | 20 | 201 | 201171 | 20117105 |
| 20 | Mara | 1 | Tarime | 191 | Manga | 03 | Bisarwi | 348 | 19 | 20 | 201 | 201191 | 20119103 |
| 20 | Mara | 1 | Tarime | 201 | Nyathorogo | 02 | Omuga | 621 | 20 | 20 | 201 | 201201 | 20120102 |
| 20 | Mara | 1 | Tarime | 211 | Kisumwa | 03 | Marasibora | 271 | 21 | 20 | 201 | 201211 | 20121103 |
| 20 | Mara | 1 | Tarime | 221 | Rabour | 01 | Makongoro | 917 | 22 | 20 | 201 | 201221 | 20122101 |
| 20 | Mara | 1 | Tarime | 231 | Komuge | 01 | Iryenyi | 396 | 23 | 20 | 201 | 201231 | 20123101 |
| 20 | Mara | 1 | Tarime | 231 | Komuge | 04 | Kyamwame | 267 | 24 | 20 | 201 | 201231 | 20123104 |
| 20 | Mara | 1 | Tarime | 251 | Kyang'ombe | 01 | Baraki | 772 | 25 | 20 | 201 | 201251 | 20125101 |
| 20 | Mara | 1 | Tarime | 251 | Kyang'ombe | 04 | Ruhu | 735 | 26 | 20 | 201 | 201251 | 20125104 |
| 20 | Mara | 1 | Tarime | 261 | Kirogo | 02 | Kirogo | 672 | 27 | 20 | 201 | 201261 | 20126102 |
| 20 | Mara | 1 | Tarime | 271 | Nyamagaro | 03 | Kyangasaga | 671 | 28 | 20 | 201 | 201271 | 20127103 |
| 20 | Mara | 1 | Tarime | 281 | Nyamtinga | 01 | Rwang'enyi | 1611 | 29 | 20 | 201 | 201281 | 20128101 |
| 20 | Mara | 1 | Tarime | 291 | Nyahongo | 02 | Ryagati | 467 | 30 | 20 | 201 | 201291 | 20129102 |
| 20 | Mara | 1 | Tarime | 291 | Nyahongo | 05 | Omoche | 719 | 31 | 20 | 201 | 201291 | 20129105 |
| 20 | Mara | 1 | Tarime | 301 | Tai | 02 | Nyahera | 338 | 32 | 20 | 201 | 201301 | 20130102 |
| 20 | Mara | 1 | Tarime | 321 | Bukura | 01 | Kirongwe | 410 | 33 | 20 | 201 | 201321 | 20132101 |
| 20 | Mara | 1 | Tarime | 321 | Bukura | 05 | Thabache | 443 | 34 | 20 | 201 | 201321 | 20132105 |
| 20 | Mara | 1 | Tarime | 341 | Kitembe | 01 | Sakawa | 423 | 35 | 20 | 201 | 201341 | 20134101 |
| 20 | Mara | 1 | Tarime | 351 | Goribe | 02 | Tatwe | 454 | 36 | 20 | 201 | 201351 | 20135102 |
| 20 | Mara | 1 | Tarime | 371 | Mirare | 01 | Sudi | 550 | 37 | 20 | 201 | 201371 | 20137101 |
| 20 | Mara | 1 | Tarime | 381 | Kigunga | 01 | Bukama | 614 | 38 | 20 | 201 | 201381 | 20138101 |
| 20 | Mara | 1 | Tarime | 393 | Koryo | 02 | Nyanduga | 302 | 39 | 20 | 201 | 201393 | 20139302 |
| 20 | Mara | 1 | Tarime | 413 | Matongo | 01 | Matongo | 704 | 40 | 20 | 201 | 201413 | 20141301 |
| | | | **Tarime Count** | | | | | | **40** | | | | |
| 20 | Mara | 2 | Serengeti | 011 | Kenyamonta | 03 | Nyagasense | 726 | 01 | 20 | 202 | 202011 | 20201103 |
| 20 | Mara | 2 | Serengeti | 021 | Busawe | 01 | Gantamome | 444 | 02 | 20 | 202 | 202021 | 20202101 |
| 20 | Mara | 2 | Serengeti | 021 | Busawe | 03 | Nyamakobiti | 368 | 03 | 20 | 202 | 202021 | 20202103 |
| 20 | Mara | 2 | Serengeti | 031 | Kisaka | 02 | Nyiboko | 327 | 04 | 20 | 202 | 202031 | 20203102 |
| 20 | Mara | 2 | Serengeti | 041 | Kebanchabancha | 01 | Musati | 470 | 05 | 20 | 202 | 202041 | 20204101 |
| 20 | Mara | 2 | Serengeti | 041 | Kebanchabancha | 03 | Nyansurura | 439 | 06 | 20 | 202 | 202041 | 20204103 |
| 20 | Mara | 2 | Serengeti | 051 | Ring'wani | 01 | Kenyana | 342 | 07 | 20 | 202 | 202051 | 20205101 |
| 20 | Mara | 2 | Serengeti | 051 | Ring'wani | 04 | Remung'ororí | 307 | 08 | 20 | 202 | 202051 | 20205104 |
| 20 | Mara | 2 | Serengeti | 061 | Rung'abure | 01 | Gesarya | 594 | 09 | 20 | 202 | 202061 | 20206101 |
| 20 | Mara | 2 | Serengeti | 061 | Rung'abure | 03 | Rung'abure | 646 | 10 | 20 | 202 | 202061 | 20206103 |
| 20 | Mara | 2 | Serengeti | 071 | Machochwe | 03 | Nyamakendo | 488 | 11 | 20 | 202 | 202071 | 20207103 |
| 20 | Mara | 2 | Serengeti | 081 | Kisangura | 01 | Nyamburi | 551 | 12 | 20 | 202 | 202081 | 20208101 |
| 20 | Mara | 2 | Serengeti | 081 | Kisangura | 03 | Kisangura | 458 | 13 | 20 | 202 | 202081 | 20208103 |
| 20 | Mara | 2 | Serengeti | 093 | Mugumu Mjini | 01 | Matare | 348 | 14 | 20 | 202 | 202093 | 20209301 |
| 20 | Mara | 2 | Serengeti | 101 | Ikoma | 03 | Robanda | 330 | 15 | 20 | 202 | 202101 | 20210103 |
| 20 | Mara | 2 | Serengeti | 111 | Natta | 01 | Kono | 233 | 16 | 20 | 202 | 202111 | 20211101 |
| 20 | Mara | 2 | Serengeti | 111 | Natta | 04 | Makundusi | 321 | 17 | 20 | 202 | 202111 | 20211104 |
| 20 | Mara | 2 | Serengeti | 131 | Rigicha | 02 | Rigicha | 774 | 18 | 20 | 202 | 202131 | 20213102 |
| 20 | Mara | 2 | Serengeti | 131 | Rigicha | 04 | Kitembere | 381 | 19 | 20 | 202 | 202131 | 20213104 |
| 20 | Mara | 2 | Serengeti | 141 | Nyambureti | 02 | Mununa | 299 | 20 | 20 | 202 | 202141 | 20214102 |
| 20 | Mara | 2 | Serengeti | 151 | Nyamoko | 01 | Itununu | 471 | 21 | 20 | 202 | 202151 | 20215101 |
| 20 | Mara | 2 | Serengeti | 151 | Nyamoko | 04 | kwitete | 264 | 22 | 20 | 202 | 202151 | 20215104 |
| 20 | Mara | 2 | Serengeti | 161 | Manchira | 02 | Bonchugu | 697 | 23 | 20 | 202 | 202161 | 20216102 |
| 20 | Mara | 2 | Serengeti | 161 | Manchira | 04 | Misseke | 343 | 24 | 20 | 202 | 202161 | 20216104 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Mara | 2 | Serengeti | 171 | Kyambahi | 02 | Nyichoka | 631 | 25 | 20 | 202 | 202171 | 20217102 |
| 20 | Mara | 2 | Serengeti | 181 | Nyamatare | 03 | Mosongo | 737 | 26 | 20 | 202 | 202181 | 20218103 |
| 20 | Mara | 2 | Serengeti | 181 | Nyamatare | 04 | Nyamatoke | 428 | 27 | 20 | 202 | 202181 | 20218104 |
| | | | **Serengeti Count** | | | | | | **27** | | | | |
| 20 | Mara | 3 | Musoma Rural | 011 | Buswahili | 03 | Buswahili | 245 | 01 | 20 | 203 | 203011 | 20301103 |
| 20 | Mara | 3 | Musoma Rural | 021 | Nyamimange | 03 | Kitaramanka | 642 | 02 | 20 | 203 | 203021 | 20302103 |
| 20 | Mara | 3 | Musoma Rural | 031 | Bwiregi | 02 | Ryamisanga | 602 | 03 | 20 | 203 | 203031 | 20303102 |
| 20 | Mara | 3 | Musoma Rural | 041 | Muriaza | 03 | Muriaza | 462 | 04 | 20 | 203 | 203041 | 20304103 |
| 20 | Mara | 3 | Musoma Rural | 051 | Buhemba | 03 | Magunga | 295 | 05 | 20 | 203 | 203051 | 20305103 |
| 20 | Mara | 3 | Musoma Rural | 063 | Butiama | 01 | Butiama | 656 | 06 | 20 | 203 | 203063 | 20306301 |
| 20 | Mara | 3 | Musoma Rural | 071 | Masaba | 02 | Nyasirori | 488 | 07 | 20 | 203 | 203071 | 20307102 |
| 20 | Mara | 3 | Musoma Rural | 081 | Kyanyari | 02 | Mwibagi | 562 | 08 | 20 | 203 | 203081 | 20308102 |
| 20 | Mara | 3 | Musoma Rural | 093 | Kukirango | 02 | Nyamisisye | 656 | 09 | 20 | 203 | 203093 | 20309302 |
| 20 | Mara | 3 | Musoma Rural | 101 | Buruma | 01 | Isaba | 511 | 10 | 20 | 203 | 203101 | 20310101 |
| 20 | Mara | 3 | Musoma Rural | 101 | Buruma | 04 | Rwamugabo | 267 | 11 | 20 | 203 | 203101 | 20310104 |
| 20 | Mara | 3 | Musoma Rural | 111 | Butuguri | 03 | Kisamwene | 577 | 12 | 20 | 203 | 203111 | 20311103 |
| 20 | Mara | 3 | Musoma Rural | 121 | Bukabwa | 03 | Mmazami | 871 | 13 | 20 | 203 | 203121 | 20312103 |
| 20 | Mara | 3 | Musoma Rural | 131 | Nyankanga | 02 | Nyankanga | 852 | 14 | 20 | 203 | 203131 | 20313102 |
| 20 | Mara | 3 | Musoma Rural | 131 | Nyankanga | 05 | Nyabekwabi | 605 | 15 | 20 | 203 | 203131 | 20313105 |
| 20 | Mara | 3 | Musoma Rural | 141 | Etaro | 03 | Nyegina | 653 | 16 | 20 | 203 | 203141 | 20314103 |
| 20 | Mara | 3 | Musoma Rural | 151 | Nyakatende | 02 | Kiemba | 566 | 17 | 20 | 203 | 203151 | 20315102 |
| 20 | Mara | 3 | Musoma Rural | 151 | Nyakatende | 05 | Kamguruki | 319 | 18 | 20 | 203 | 203151 | 20315105 |
| 20 | Mara | 3 | Musoma Rural | 171 | Kiriba | 01 | Kiriba | 369 | 19 | 20 | 203 | 203171 | 20317101 |
| 20 | Mara | 3 | Musoma Rural | 171 | Kiriba | 04 | Bwai | 822 | 20 | 20 | 203 | 203171 | 20317104 |
| 20 | Mara | 3 | Musoma Rural | 181 | Tegeruka | 03 | Mayani | 412 | 21 | 20 | 203 | 203181 | 20318103 |
| 20 | Mara | 3 | Musoma Rural | 191 | Suguti | 04 | Wanyere | 365 | 22 | 20 | 203 | 203191 | 20319104 |
| 20 | Mara | 3 | Musoma Rural | 201 | Nyambono | 03 | Bugoji | 606 | 23 | 20 | 203 | 203201 | 20320103 |
| 20 | Mara | 3 | Musoma Rural | 211 | Nyamrandirira | 02 | Kasoma | 493 | 24 | 20 | 203 | 203211 | 20321102 |
| 20 | Mara | 3 | Musoma Rural | 231 | Murangi | 01 | Lyasembe | 331 | 25 | 20 | 203 | 203231 | 20323101 |
| 20 | Mara | 3 | Musoma Rural | 241 | Bukima | 01 | Bukima | 534 | 26 | 20 | 203 | 203241 | 20324101 |
| 20 | Mara | 3 | Musoma Rural | 241 | Bukima | 04 | Rusoli | 403 | 27 | 20 | 203 | 203241 | 20324104 |
| 20 | Mara | 3 | Musoma Rural | 251 | Makojo | 03 | Chitare | 517 | 28 | 20 | 203 | 203251 | 20325103 |
| 20 | Mara | 3 | Musoma Rural | 261 | Bwasi | 04 | Bwasi | 366 | 29 | 20 | 203 | 203261 | 20326104 |
| 20 | Mara | 3 | Musoma Rural | 271 | Bukumi | 03 | Busekera | 585 | 30 | 20 | 203 | 203271 | 20327103 |
| | | | **Musoma Rural Count** | | | | | | **30** | | | | |
| 20 | Mara | 5 | Musoma Urban | 063 | Bweri | 12 | Rwamlimi | 261 | 01 | 20 | 205 | 205063 | 20506312 |
| 20 | Mara | 5 | Musoma Urban | 083 | Kigera | 11 | Kwangwa | 154 | 02 | 20 | 205 | 205083 | 20508311 |
| 20 | Mara | 5 | Musoma Urban | 133 | Makoko | 11 | Bukanga | 127 | 03 | 20 | 205 | 205133 | 20513311 |
| | | | **Musoma Urban Count** | | | | | | **03** | | | | |
| 20 | Mara | 4 | Bunda | 013 | Nyamuswa | 02 | sarawe | 391 | 01 | 20 | 204 | 204013 | 20401302 |
| 20 | Mara | 4 | Bunda | 021 | Salama | 01 | Nyaburundu | 463 | 02 | 20 | 204 | 204021 | 20402101 |
| 20 | Mara | 4 | Bunda | 021 | Salama | 04 | Salama 'A' | 580 | 03 | 20 | 204 | 204021 | 20402104 |
| 20 | Mara | 4 | Bunda | 031 | Mihingo | 01 | Mikoramiro | 675 | 04 | 20 | 204 | 204031 | 20403101 |
| 20 | Mara | 4 | Bunda | 031 | Mihingo | 03 | Mihingo | 464 | 05 | 20 | 204 | 204031 | 20403103 |
| 20 | Mara | 4 | Bunda | 041 | Mugeta | 02 | Nyamg'aranga | 559 | 06 | 20 | 204 | 204041 | 20404102 |
| 20 | Mara | 4 | Bunda | 041 | Mugeta | 04 | Mugeta | 400 | 07 | 20 | 204 | 204041 | 20404104 |
| 20 | Mara | 4 | Bunda | 051 | Hunyari | 03 | Hunyari | 735 | 08 | 20 | 204 | 204051 | 20405103 |
| 20 | Mara | 4 | Bunda | 061 | Mcharo | 02 | Changuge | 361 | 09 | 20 | 204 | 204061 | 20406102 |
| 20 | Mara | 4 | Bunda | 071 | Sazira | 01 | Kitaramaka | 411 | 10 | 20 | 204 | 204071 | 20407101 |
| 20 | Mara | 4 | Bunda | 071 | Sazira | 04 | Ligamba'B' | 342 | 11 | 20 | 204 | 204071 | 20407104 |
| 20 | Mara | 4 | Bunda | 081 | Kunzugu | 03 | Tamau | 285 | 12 | 20 | 204 | 204081 | 20408103 |
| 20 | Mara | 4 | Bunda | 101 | Guta | 01 | Kinyambwiga | 598 | 13 | 20 | 204 | 204101 | 20410101 |
| 20 | Mara | 4 | Bunda | 101 | Guta | 03 | Guta | 692 | 14 | 20 | 204 | 204101 | 20410103 |
| 20 | Mara | 4 | Bunda | 111 | Butimba | 02 | Buzimbwe | 447 | 15 | 20 | 204 | 204111 | 20411102 |
| 20 | Mara | 4 | Bunda | 111 | Butimba | 06 | Ragata | 362 | 16 | 20 | 204 | 204111 | 20411106 |
| 20 | Mara | 4 | Bunda | 121 | Neruma | 03 | Mahyoro | 275 | 17 | 20 | 204 | 204121 | 20412103 |
| 20 | Mara | 4 | Bunda | 133 | Kibara | 01 | Nakatuba | 271 | 18 | 20 | 204 | 204133 | 20413301 |
| 20 | Mara | 4 | Bunda | 141 | Nansimo | 01 | Nambaza | 323 | 19 | 20 | 204 | 204141 | 20414101 |
| 20 | Mara | 4 | Bunda | 141 | Nansimo | 04 | Nafuba | 274 | 20 | 20 | 204 | 204141 | 20414104 |
| 20 | Mara | 4 | Bunda | 151 | Kisorya | 03 | Kisorya | 498 | 21 | 20 | 204 | 204151 | 20415103 |
| 20 | Mara | 4 | Bunda | 161 | Igundu | 01 | Igundu | 418 | 22 | 20 | 204 | 204161 | 20416101 |
| 20 | Mara | 4 | Bunda | 171 | Iramba | 02 | Isanju | 234 | 23 | 20 | 204 | 204171 | 20417102 |
| 20 | Mara | 4 | Bunda | 181 | Namhula | 02 | Kalukekele | 586 | 24 | 20 | 204 | 204181 | 20418102 |
| 20 | Mara | 4 | Bunda | 191 | Wariku | 02 | Kamukenga | 569 | 25 | 20 | 204 | 204191 | 20419102 |
| 20 | Mara | 4 | Bunda | 201 | Kabasa | 01 | Bitaraguru | 568 | 26 | 20 | 204 | 204201 | 20420101 |
| 20 | Mara | 4 | Bunda | 201 | Kabasa | 04 | Kabasa | 625 | 27 | 20 | 204 | 204201 | 20420104 |
| | | | **Bunda Count** | | | | | | **27** | | | | |
| | **Mara Count** | | | | | | | | **127** | | | | |
| 21 | Manyara | 1 | Babati | 021 | Mamire | 01 | Chemchem | 271 | 01 | 21 | 211 | 211021 | 21102101 |
| 21 | Manyara | 1 | Babati | 021 | Mamire | 05 | Endakiso | 814 | 02 | 21 | 211 | 211021 | 21102105 |
| 21 | Manyara | 1 | Babati | 033 | Gallapo | 01 | Ayamango | 622 | 03 | 21 | 211 | 211033 | 21103301 |
| 21 | Manyara | 1 | Babati | 033 | Gallapo | 03 | Gallapo | 895 | 04 | 21 | 211 | 211033 | 21103303 |
| 21 | Manyara | 1 | Babati | 041 | Qash | 02 | Majengo | 320 | 05 | 21 | 211 | 211041 | 21104102 |
| 21 | Manyara | 1 | Babati | 041 | Qash | 04 | Qash | 839 | 06 | 21 | 211 | 211041 | 21104104 |
| 21 | Manyara | 1 | Babati | 061 | Bonga | 01 | Endanachan | 532 | 07 | 21 | 211 | 211061 | 21106101 |
| 21 | Manyara | 1 | Babati | 061 | Bonga | 04 | Ayasamba | 396 | 08 | 21 | 211 | 211061 | 21106104 |
| 21 | Manyara | 1 | Babati | 071 | Gidas | 05 | Gidas | 629 | 09 | 21 | 211 | 211071 | 21107105 |
| 21 | Manyara | 1 | Babati | 081 | Duru | 02 | Endagwe | 619 | 10 | 21 | 211 | 211081 | 21108102 |
| 21 | Manyara | 1 | Babati | 091 | Riroda | 02 | Nakwa | 809 | 11 | 21 | 211 | 211091 | 21109102 |
| 21 | Manyara | 1 | Babati | 091 | Riroda | 03 | Riroda | 1165 | 12 | 21 | 211 | 211091 | 21109103 |
| 21 | Manyara | 1 | Babati | 101 | Sigino | 03 | Dagailoy | 546 | 13 | 21 | 211 | 211101 | 21110103 |
| 21 | Manyara | 1 | Babati | 111 | Arri | 04 | Managha | 949 | 14 | 21 | 211 | 211111 | 21111104 |
| 21 | Manyara | 1 | Babati | 123 | Dareda | 01 | Seloto | 823 | 15 | 21 | 211 | 211123 | 21112301 |
| 21 | Manyara | 1 | Babati | 123 | Dareda | 05 | Gajal | 389 | 16 | 21 | 211 | 211123 | 21112305 |
| 21 | Manyara | 1 | Babati | 131 | Dabil | 02 | Maganjwa | 887 | 17 | 21 | 211 | 211131 | 21113102 |
| 21 | Manyara | 1 | Babati | 141 | Ufana | 02 | Luxmanda | 365 | 18 | 21 | 211 | 211141 | 21114102 |
| 21 | Manyara | 1 | Babati | 151 | Bashnet | 03 | Bashnet | 918 | 19 | 21 | 211 | 211151 | 21115103 |
| 21 | Manyara | 1 | Babati | 151 | Bashnet | 05 | Guse | 510 | 20 | 21 | 211 | 211151 | 21115105 |
| 21 | Manyara | 1 | Babati | 161 | Madunga | 03 | Madunga | 696 | 21 | 21 | 211 | 211161 | 21116103 |
| 21 | Manyara | 1 | Babati | 171 | Kiru | 02 | Malangi | 315 | 22 | 21 | 211 | 211171 | 21117102 |

# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | Manyara | 1 | Babati | 183 | Magugu | 01 | Sarame | 278 | 23 | 21 | 211 | 211183 | 21118301 |
| 21 | Manyara | 1 | Babati | 183 | Magugu | 04 | Masware | 342 | 24 | 21 | 211 | 211183 | 21118304 |
| 21 | Manyara | 1 | Babati | 191 | Magara | 01 | Mayoka | 700 | 25 | 21 | 211 | 211191 | 21119101 |
| 21 | Manyara | 1 | Babati | 201 | Mwada | 01 | Kisangaji | 1092 | 26 | 21 | 211 | 211201 | 21120101 |
| 21 | Manyara | 1 | Babati | 201 | Mwada | 02 | Mwada | 982 | 27 | 21 | 211 | 211201 | 21120102 |
| | | | **Babati Count** | | | | | | **27** | | | | |
| 21 | Manyara | 2 | Hanang | 011 | Balangdalalu | 01 | Murumba | 562 | 01 | 21 | 212 | 212011 | 21201101 |
| 21 | Manyara | 2 | Hanang | 011 | Balangdalalu | 02 | Balangdalalu | 827 | 02 | 21 | 212 | 212011 | 21201102 |
| 21 | Manyara | 2 | Hanang | 021 | Gehandu | 01 | Ming'enyi | 200 | 03 | 21 | 212 | 212021 | 21202101 |
| 21 | Manyara | 2 | Hanang | 021 | Gehandu | 03 | Ishponga | 418 | 04 | 21 | 212 | 212021 | 21202103 |
| 21 | Manyara | 2 | Hanang | 031 | Laghanga | 03 | Laghanga | 347 | 05 | 21 | 212 | 212031 | 21203103 |
| 21 | Manyara | 2 | Hanang | 041 | Getanuwas | 02 | Getanuwas | 549 | 06 | 21 | 212 | 212041 | 21204102 |
| 21 | Manyara | 2 | Hanang | 051 | Hirbadaw | 01 | Mwanga | 524 | 07 | 21 | 212 | 212051 | 21205101 |
| 21 | Manyara | 2 | Hanang | 051 | Hirbadaw | 02 | Hirbadaw | 582 | 08 | 21 | 212 | 212051 | 21205102 |
| 21 | Manyara | 2 | Hanang | 061 | Bassodesh | 01 | Garawja | 814 | 09 | 21 | 212 | 212061 | 21206101 |
| 21 | Manyara | 2 | Hanang | 061 | Bassodesh | 03 | Bassodesh Part I | 159 | 10 | 21 | 212 | 212061 | 21206103 |
| 21 | Manyara | 2 | Hanang | 073 | Bassotu | 02 | Bassotu | 795 | 11 | 21 | 212 | 212073 | 21207302 |
| 21 | Manyara | 2 | Hanang | 073 | Bassotu | 03 | Mulbadaw | 848 | 12 | 21 | 212 | 212073 | 21207303 |
| 21 | Manyara | 2 | Hanang | 081 | Gendabi | 01 | Dawar | 392 | 13 | 21 | 212 | 212081 | 21208101 |
| 21 | Manyara | 2 | Hanang | 091 | Mogitu | 01 | Mogitu | 794 | 14 | 21 | 212 | 212091 | 21209101 |
| 21 | Manyara | 2 | Hanang | 091 | Mogitu | 03 | Jorodom | 286 | 15 | 21 | 212 | 212091 | 21209103 |
| 21 | Manyara | 2 | Hanang | 101 | Gitting | 01 | Barjomot | 368 | 16 | 21 | 212 | 212101 | 21210101 |
| 21 | Manyara | 2 | Hanang | 101 | Gitting | 03 | Gitting | 404 | 17 | 21 | 212 | 212101 | 21210103 |
| 21 | Manyara | 2 | Hanang | 111 | Masakta | 02 | Masakta | 579 | 18 | 21 | 212 | 212111 | 21211102 |
| 21 | Manyara | 2 | Hanang | 133 | Endasak | 01 | Endasiwold | 553 | 19 | 21 | 212 | 212133 | 21213301 |
| 21 | Manyara | 2 | Hanang | 133 | Endasak | 03 | Endagaw | 677 | 20 | 21 | 212 | 212133 | 21213303 |
| 21 | Manyara | 2 | Hanang | 141 | Gidahababieg | 02 | Endasabogeshan | 208 | 21 | 21 | 212 | 212141 | 21214102 |
| 21 | Manyara | 2 | Hanang | 151 | Measkron | 03 | Measkron | 459 | 22 | 21 | 212 | 212151 | 21215103 |
| 21 | Manyara | 2 | Hanang | 161 | Hidet | 02 | Hidet | 414 | 23 | 21 | 212 | 212161 | 21216102 |
| 21 | Manyara | 2 | Hanang | 181 | Sirop | 01 | Matangarimo | 268 | 24 | 21 | 212 | 212181 | 21218101 |
| 21 | Manyara | 2 | Hanang | 191 | Gisambalang | 01 | Gisambalang | 379 | 25 | 21 | 212 | 212191 | 21219101 |
| 21 | Manyara | 2 | Hanang | 203 | Nangwa | 01 | Nangwa | 578 | 26 | 21 | 212 | 212203 | 21220301 |
| 21 | Manyara | 2 | Hanang | 203 | Nangwa | 02 | Wareta | 798 | 27 | 21 | 212 | 212203 | 21220302 |
| | | | **Hanang Count** | | | | | | **27** | | | | |
| 21 | Manyara | 3 | Mbulu | 011 | Daudi | 02 | Gandumehhi | 636 | 01 | 21 | 213 | 213011 | 21301102 |
| 21 | Manyara | 3 | Mbulu | 021 | Bargish | 01 | Antsi | 738 | 02 | 21 | 213 | 213021 | 21302101 |
| 21 | Manyara | 3 | Mbulu | 021 | Bargish | 03 | Bargish Uwa | 265 | 03 | 21 | 213 | 213021 | 21302103 |
| 21 | Manyara | 3 | Mbulu | 031 | Gehandu | 02 | Isawa | 350 | 04 | 21 | 213 | 213031 | 21303102 |
| 21 | Manyara | 3 | Mbulu | 041 | Kainam | 02 | Nahasey | 336 | 05 | 21 | 213 | 213041 | 21304102 |
| 21 | Manyara | 3 | Mbulu | 041 | Kainam | 05 | Hareabi | 481 | 06 | 21 | 213 | 213041 | 21304105 |
| 21 | Manyara | 3 | Mbulu | 051 | Murray | 02 | Kwermusil | 564 | 07 | 21 | 213 | 213051 | 21305102 |
| 21 | Manyara | 3 | Mbulu | 051 | Murray | 04 | Murray | 661 | 08 | 21 | 213 | 213051 | 21305104 |
| 21 | Manyara | 3 | Mbulu | 061 | Sanu | 02 | Ayamaami | 548 | 09 | 21 | 213 | 213061 | 21306102 |
| 21 | Manyara | 3 | Mbulu | 081 | Tlawi | 01 | Harbaghet | 426 | 10 | 21 | 213 | 213081 | 21308101 |
| 21 | Manyara | 3 | Mbulu | 081 | Tlawi | 03 | Masqaroda | 537 | 11 | 21 | 213 | 213081 | 21308103 |
| 21 | Manyara | 3 | Mbulu | 091 | Bashay | 01 | Harsha | 825 | 12 | 21 | 213 | 213091 | 21309101 |
| 21 | Manyara | 3 | Mbulu | 091 | Bashay | 03 | Muslurb | 730 | 13 | 21 | 213 | 213091 | 21309103 |
| 21 | Manyara | 3 | Mbulu | 103 | Dongobesh | 01 | Dongobesh | 482 | 14 | 21 | 213 | 213103 | 21310301 |
| 21 | Manyara | 3 | Mbulu | 103 | Dongobesh | 03 | Ngorat | 373 | 15 | 21 | 213 | 213103 | 21310303 |
| 21 | Manyara | 3 | Mbulu | 111 | Tumati | 02 | Yaeda - ampa | 441 | 16 | 21 | 213 | 213111 | 21311102 |
| 21 | Manyara | 3 | Mbulu | 111 | Tumati | 04 | Tumati | 854 | 17 | 21 | 213 | 213111 | 21311104 |
| 21 | Manyara | 3 | Mbulu | 121 | Maretadu | 01 | Qamtananati | 363 | 18 | 21 | 213 | 213121 | 21312101 |
| 21 | Manyara | 3 | Mbulu | 121 | Maretadu | 04 | Singu | 415 | 19 | 21 | 213 | 213121 | 21312104 |
| 21 | Manyara | 3 | Mbulu | 121 | Maretadu | 07 | Maretadu juu | 601 | 20 | 21 | 213 | 213121 | 21312107 |
| 21 | Manyara | 3 | Mbulu | 131 | Maghang | 02 | Labay | 595 | 21 | 21 | 213 | 213131 | 21313102 |
| 21 | Manyara | 3 | Mbulu | 131 | Maghang | 04 | Gidmadoy | 307 | 22 | 21 | 213 | 213131 | 21313104 |
| 21 | Manyara | 3 | Mbulu | 143 | Haidom | 01 | Harar | 397 | 23 | 21 | 213 | 213143 | 21314301 |
| 21 | Manyara | 3 | Mbulu | 143 | Haidom | 04 | Getanyamba | 495 | 24 | 21 | 213 | 213143 | 21314304 |
| 21 | Manyara | 3 | Mbulu | 143 | Haidom | 06 | Endahaghadat | 422 | 25 | 21 | 213 | 213143 | 21314306 |
| 21 | Manyara | 3 | Mbulu | 161 | Masieda | 01 | Masieda | 502 | 26 | 21 | 213 | 213161 | 21316101 |
| 21 | Manyara | 3 | Mbulu | 161 | Masieda | 03 | Endahagichan | 336 | 27 | 21 | 213 | 213161 | 21316103 |
| | | | **Mbulu Count** | | | | | | **27** | | | | |
| 21 | Manyara | 4 | Simanjiro | 013 | Orkesumet | 01 | Orkesumet | 983 | 01 | 21 | 214 | 214013 | 21401301 |
| 21 | Manyara | 4 | Simanjiro | 023 | Naberera | 01 | Okutu | 258 | 02 | 21 | 214 | 214023 | 21402301 |
| 21 | Manyara | 4 | Simanjiro | 023 | Naberera | 02 | Landanai | 399 | 03 | 21 | 214 | 214023 | 21402302 |
| 21 | Manyara | 4 | Simanjiro | 023 | Naberera | 03 | Naberera | 295 | 04 | 21 | 214 | 214023 | 21402303 |
| 21 | Manyara | 4 | Simanjiro | 023 | Naberera | 04 | Namalulu | 254 | 05 | 21 | 214 | 214023 | 21402304 |
| 21 | Manyara | 4 | Simanjiro | 031 | Loibor - Siret | 01 | Loibor | 283 | 06 | 21 | 214 | 214031 | 21403101 |
| 21 | Manyara | 4 | Simanjiro | 041 | Emboreet | 01 | Emboreet | 428 | 07 | 21 | 214 | 214041 | 21404101 |
| 21 | Manyara | 4 | Simanjiro | 041 | Emboreet | o2 | Loiborsiot | 285 | 08 | 21 | 214 | 214041 | 214041o2 |
| 21 | Manyara | 4 | Simanjiro | 051 | Terrat | 01 | Loswaki | 279 | 09 | 21 | 214 | 214051 | 21405101 |
| 21 | Manyara | 4 | Simanjiro | 051 | Terrat | 02 | Terat | 525 | 10 | 21 | 214 | 214051 | 21405102 |
| 21 | Manyara | 4 | Simanjiro | 051 | Terrat | 03 | Komolo | 706 | 11 | 21 | 214 | 214051 | 21405103 |
| 21 | Manyara | 4 | Simanjiro | 051 | Terrat | 04 | Sukuro | 258 | 12 | 21 | 214 | 214051 | 21405104 |
| 21 | Manyara | 4 | Simanjiro | 061 | Oljoro N0. 5 | 02 | Oljoro No. 5 | 201 | 13 | 21 | 214 | 214061 | 21406102 |
| 21 | Manyara | 4 | Simanjiro | 061 | Oljoro N0. 5 | 03 | Olborkishu | 436 | 14 | 21 | 214 | 214061 | 21406103 |
| 21 | Manyara | 4 | Simanjiro | 061 | Oljoro N0. 5 | 04 | Lorokare | 123 | 15 | 21 | 214 | 214061 | 21406104 |
| 21 | Manyara | 4 | Simanjiro | 071 | Shambarai | 01 | Kilombero | 261 | 16 | 21 | 214 | 214071 | 21407101 |
| 21 | Manyara | 4 | Simanjiro | 071 | Shambarai | 02 | Olbili | 687 | 17 | 21 | 214 | 214071 | 21407102 |
| 21 | Manyara | 4 | Simanjiro | 071 | Shambarai | 03 | Shambarai | 409 | 18 | 21 | 214 | 214071 | 21407103 |
| 21 | Manyara | 4 | Simanjiro | 083 | Mererani | 01 | Naisinyai | 457 | 19 | 21 | 214 | 214083 | 21408301 |
| 21 | Manyara | 4 | Simanjiro | 091 | Msitu wa Tembo | 01 | Msitu wa  Tembo | 992 | 20 | 21 | 214 | 214091 | 21409101 |
| 21 | Manyara | 4 | Simanjiro | 091 | Msitu wa Tembo | 02 | Kiruani | 300 | 21 | 21 | 214 | 214091 | 21409102 |
| 21 | Manyara | 4 | Simanjiro | 091 | Msitu wa Tembo | 03 | Magadini | 623 | 22 | 21 | 214 | 214091 | 21409103 |
| 21 | Manyara | 4 | Simanjiro | 091 | Msitu wa Tembo | 04 | Nyorinyori | 216 | 23 | 21 | 214 | 214091 | 21409104 |
| 21 | Manyara | 4 | Simanjiro | 101 | Ngorika | 01 | Ngorika | 679 | 24 | 21 | 214 | 214101 | 21410101 |
| 21 | Manyara | 4 | Simanjiro | 101 | Ngorika | 02 | Nyumba ya Mungu | 377 | 25 | 21 | 214 | 214101 | 21410102 |
| 21 | Manyara | 4 | Simanjiro | 101 | Ngorika | 03 | Lemkuna | 344 | 26 | 21 | 214 | 214101 | 21410103 |
| 21 | Manyara | 4 | Simanjiro | 111 | Loiborsoit | 02 | Ngage | 314 | 27 | 21 | 214 | 214111 | 21411102 |
| | | | **Simanjiro Count** | | | | | | **27** | | | | |

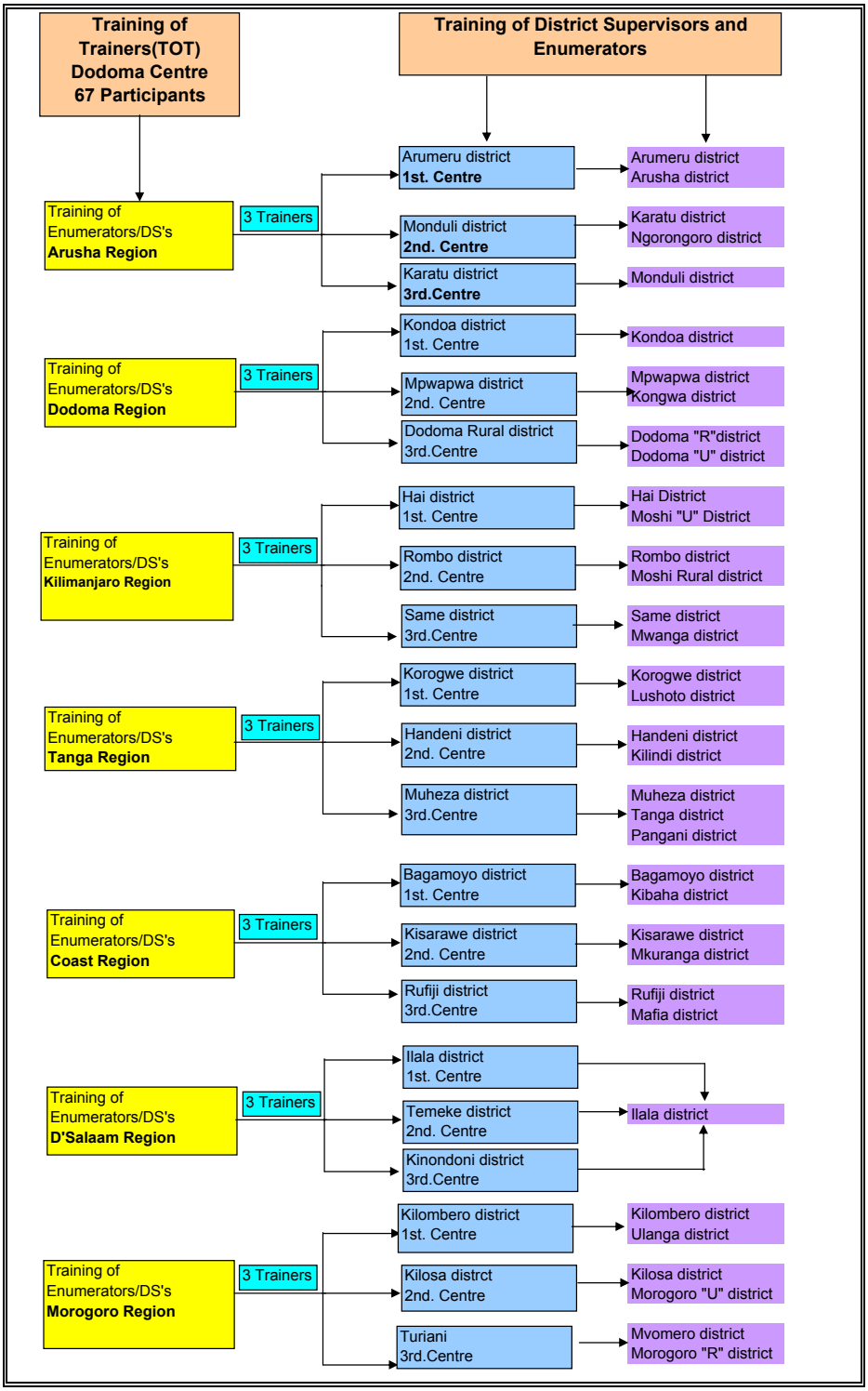
# AGRICULTURE SAMPLE CENSUS 2003
## LIST OF SAMPLED VILLAGES

| Code | RegName | Code | DistName | Code | Ward Name | Code | Vill_street | HH | Village | Recode | Wacode | Decode | Vicode |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | Manyara | 5 | Kiteto | 021 | Partimbo | 01 | Mbigiri | 210 | 01 | 21 | 215 | 215021 | 21502101 |
| 21 | Manyara | 5 | Kiteto | 021 | Partimbo | 03 | Namelok | 469 | 02 | 21 | 215 | 215021 | 21502103 |
| 21 | Manyara | 5 | Kiteto | 021 | Partimbo | 04 | Laalala | 328 | 03 | 21 | 215 | 215021 | 21502104 |
| 21 | Manyara | 5 | Kiteto | 021 | Partimbo | 06 | Partimbo | 476 | 04 | 21 | 215 | 215021 | 21502106 |
| 21 | Manyara | 5 | Kiteto | 031 | Njoro | 01 | Njoro | 465 | 05 | 21 | 215 | 215031 | 21503101 |
| 21 | Manyara | 5 | Kiteto | 031 | Njoro | 03 | Olpopong'i | 174 | 06 | 21 | 215 | 215031 | 21503103 |
| 21 | Manyara | 5 | Kiteto | 043 | Olbolot | 01 | Machiga | 765 | 07 | 21 | 215 | 215043 | 21504301 |
| 21 | Manyara | 5 | Kiteto | 043 | Olbolot | 02 | Olboloti | 515 | 08 | 21 | 215 | 215043 | 21504302 |
| 21 | Manyara | 5 | Kiteto | 043 | Olbolot | 03 | Kiperesa | 125 | 09 | 21 | 215 | 215043 | 21504303 |
| 21 | Manyara | 5 | Kiteto | 071 | Kijungu | 02 | Kijungu | 287 | 10 | 21 | 215 | 215071 | 21507102 |
| 21 | Manyara | 5 | Kiteto | 081 | Lengatei | 01 | Lengatei | 357 | 11 | 21 | 215 | 215081 | 21508101 |
| 21 | Manyara | 5 | Kiteto | 081 | Lengatei | 03 | Lesoit | 051 | 12 | 21 | 215 | 215081 | 21508103 |
| 21 | Manyara | 5 | Kiteto | 091 | Sunya | 01 | Sunya | 565 | 13 | 21 | 215 | 215091 | 21509101 |
| 21 | Manyara | 5 | Kiteto | 101 | Dongo | 01 | Dongo | 524 | 14 | 21 | 215 | 215101 | 21510101 |
| 21 | Manyara | 5 | Kiteto | 101 | Dongo | 02 | Enguserosidani | 448 | 15 | 21 | 215 | 215101 | 21510102 |
| 21 | Manyara | 5 | Kiteto | 101 | Dongo | 03 | Laiser | 192 | 16 | 21 | 215 | 215101 | 21510103 |
| 21 | Manyara | 5 | Kiteto | 111 | Songambele | 02 | Orgine | 384 | 17 | 21 | 215 | 215111 | 21511102 |
| 21 | Manyara | 5 | Kiteto | 121 | Dosidosi | 01 | Suguta | 115 | 18 | 21 | 215 | 215121 | 21512101 |
| 21 | Manyara | 5 | Kiteto | 121 | Dosidosi | 02 | Dosidosi | 500 | 19 | 21 | 215 | 215121 | 21512102 |
| 21 | Manyara | 5 | Kiteto | 131 | Engusero | 01 | Ndirigish | 345 | 20 | 21 | 215 | 215131 | 21513101 |
| 21 | Manyara | 5 | Kiteto | 131 | Engusero | 03 | Engusero | 1058 | 21 | 21 | 215 | 215131 | 21513103 |
| 21 | Manyara | 5 | Kiteto | 143 | Matui | 01 | Chapakazi | 295 | 22 | 21 | 215 | 215143 | 21514301 |
| 21 | Manyara | 5 | Kiteto | 143 | Matui | 02 | Ositeti | 453 | 23 | 21 | 215 | 215143 | 21514302 |
| 21 | Manyara | 5 | Kiteto | 143 | Matui | 03 | Enguserongine | 350 | 24 | 21 | 215 | 215143 | 21514303 |
| 21 | Manyara | 5 | Kiteto | 143 | Matui | 04 | Matui | 497 | 25 | 21 | 215 | 215143 | 21514304 |
| 21 | Manyara | 5 | Kiteto | 153 | Bwagamoyo | 01 | Bwagamoyo | 332 | 26 | 21 | 215 | 215153 | 21515301 |
| 21 | Manyara | 5 | Kiteto | 153 | Bwagamoyo | 02 | Kaloleni | 518 | 27 | 21 | 215 | 215153 | 21515302 |
| | | | **Kiteto Count** | | | | | | **27** | | | | |
| | **Manyara Count** | | | | | | | | **135** | | | | |
| | | | | | | | | | | | | | |
| | **Grand Count** | | | | | | | | **3222** | | | | |

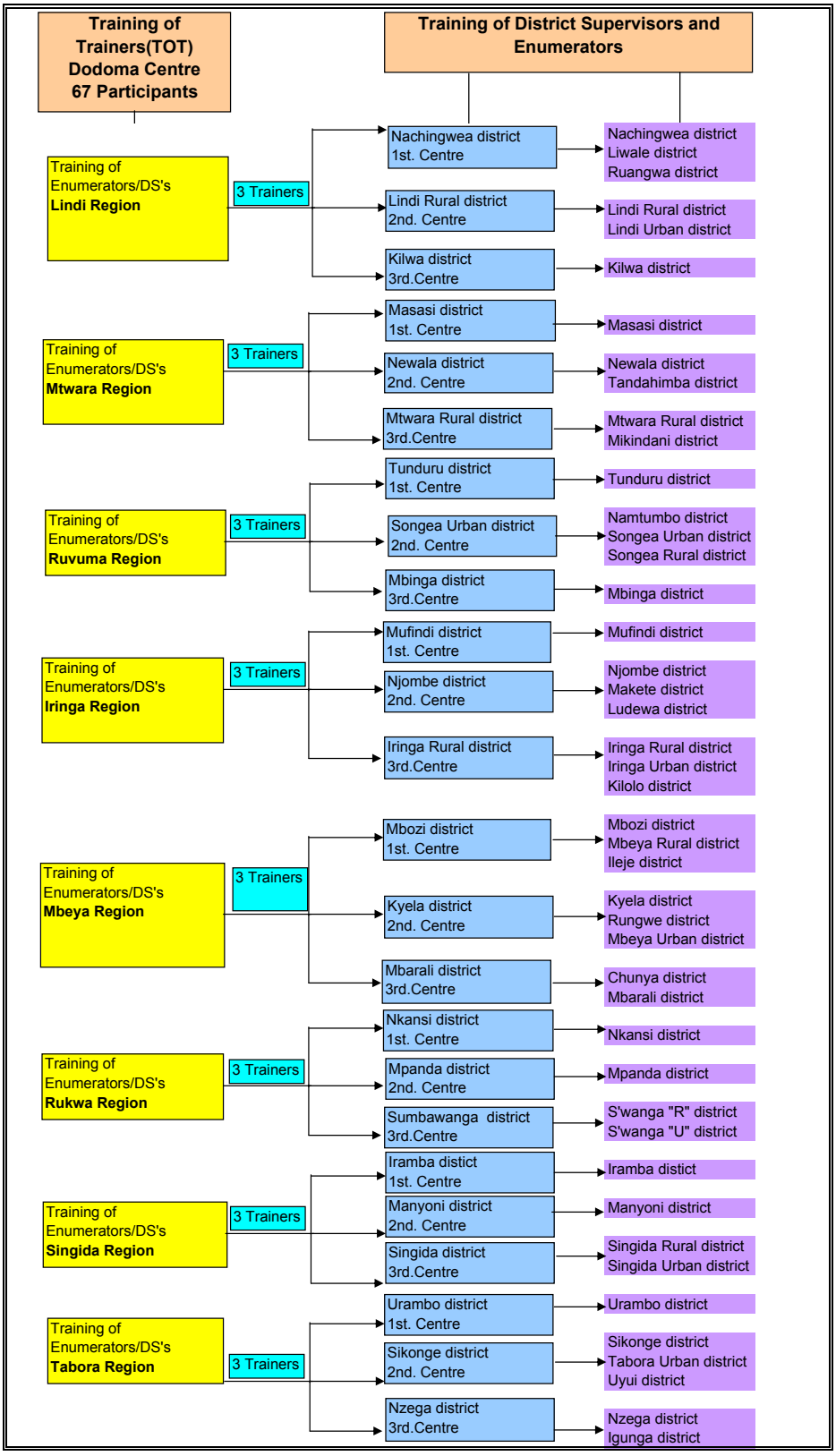
# Appendix II

## Training of Trainers Training Schedule

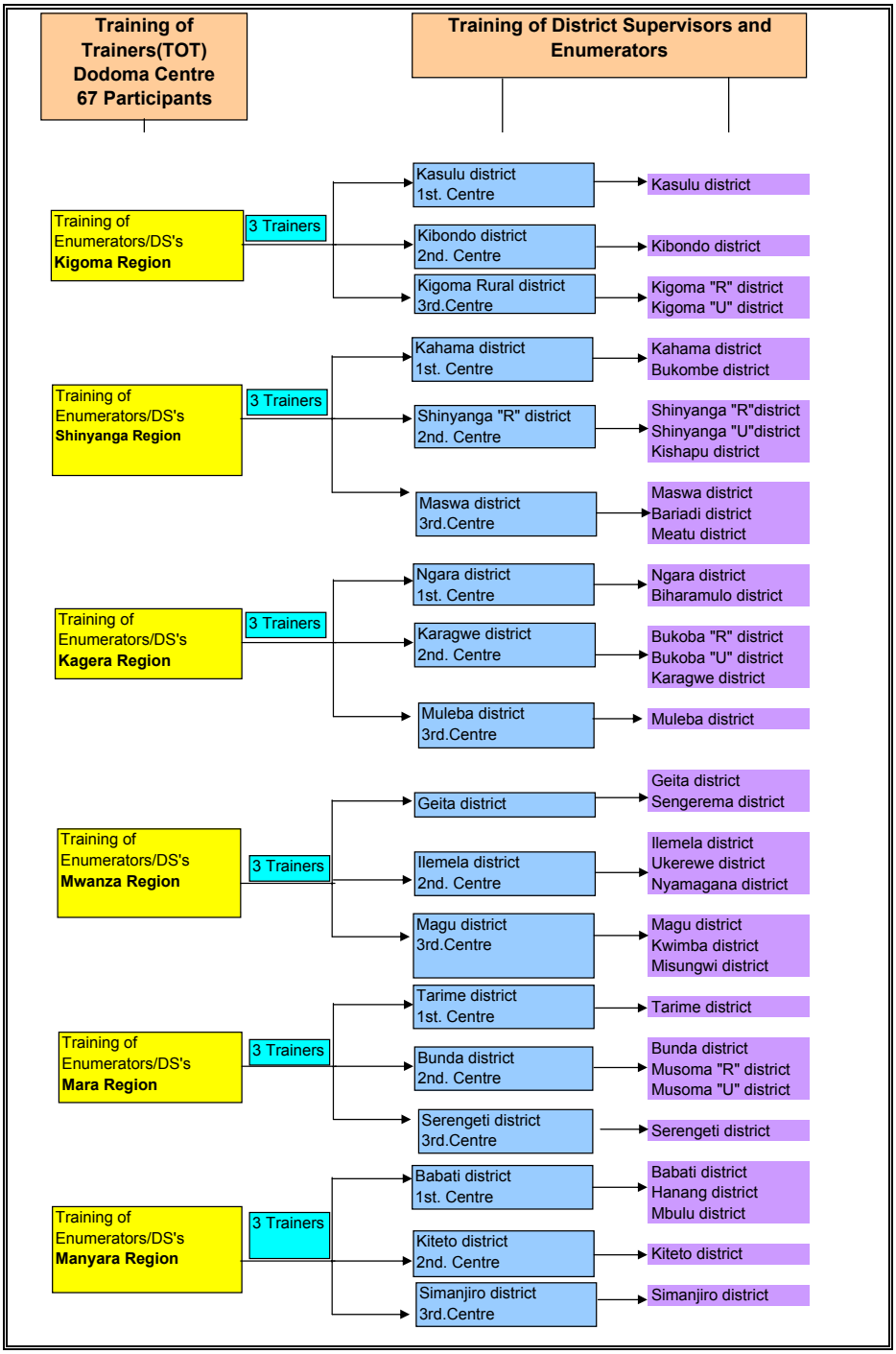
# Appendix II: Training of Trainers Training Schedule



# Appendix II: Training of Trainers Training Schedule



# Appendix II: Training of Trainers Training Schedule



# Appendix III

## List of Supervisors

## List of Technical Supervisors for the 2003 Agriculture Sample Census – Mainland

### Core Mobile Response Team

| Name | Position |
|---|---|
| Aldegunda Komba | Manager, Agriculture Statistics Department |
| Colin Scott | Consultant, Agriculture Census/Team Leader |
| Lubili Marco Gambamalla | Desk Officer, Agriculture Census |

**HeadQuarter, Regional and District Supervisors**

| REGION | HeadQuarter Supervisor | Regional Supervisors | DISTRICTS | District Supervisors |
|---|---|---|---|---|
| Dodoma | Rukia Manduta | M. Mayenga | Kongwa | 1. Chepe Mwakaranga |
| | | Raphael M. Sendaro | | 2. Bakari Mongo |
| | | | Mpwapwa | 1. Joseph Kiyungu |
| | | | | 2. Calist Asenga |
| | | | Kondoa | 1. Eliyabu Ndossi |
| | | | | 2. Donald Munisi |
| | | | Dodoma Rural | 1. Juma Suru |
| | | | | 2. Paulo Senyagwa |
| | | | Dodoma Urban | 1. Kasimu Baraka |
| | | | | 2. Sebastian Izigo |
| Arusha | Joyce Urassa | Suyaan Ngai | Monduli | 1. M.Nkinde |
| | | Magreth Martine | | 2. Roy Muruma |
| | | | Arumeru | 1. W. Saruni |
| | | | | 2. P. H. Tesha |
| | | | Arusha | 1. Anande Nyiti |
| | | | | 2. M. Abdallah |
| Kilimanjaro | H. Lyimo | Godfrey Minja | Rombo | 1. Beda Uria |
| | | Florent Munuka | | 2. Edith Waya |
| | | | Mwanga | 1. Roman Mshana |
| | | | | 2. E.Ndossi |
| | | | Same | 1. E. E. Maghohe |
| | | | | 2. W.Musuya |
| | | | Moshi Rural | 1. John Lyamuya |
| | | | | 2. Godfrey Assey |
| | | | Hai | 1. Invocavith Swai |
| | | | | 2. Herman Lyimo |
| | M. Nyanda | E. Lukindo | Lushoto | 1. David Mundeme |
| | | Angela Kalaghe | | 2. H. J. Basisi |
| | | | Korogwe | 1. Salimu Msumali |
| | | | | 2. John Mberwa |
| | | | Muheza | 1. Asha Mbelwa |
| | | | | 2. Seif Shemhina |
| | | | Tanga | 1. Husein Muya |
| | | | | 2. Evelyine Lyimo |
| | | | Pangani | 1. R.Zuberi |
| | | | | 2. David Tupa |
| | | | Handeni | 1. Rayson Macha |
| | | | | 2. Ezekiel Mbilike |
| | | | Kilindi | 1. L. Shayo |
| | | | | 2. J. F. Shangali |
| Morogoro | Elias Masunga | M. Domotali | Kilosa | 1. Bernad Kiula |
| | | E. Masangya | | 2. E.C. Miinchi |
| | | | Morogoro Rural | 1. Kasian Mhaluma |
| | | | | 2. P. Makwaiya |
| | | | Kilombero | 1. Terry Kasema |
| | | | | 2. J. M. Subiri |
| | | | Ulanga | 1. Malijani Mwipela |
| | | | | 2. Israel Nyangala |
| | | | Morogoro Urban | 1. J. K. Ntauka |
| | | | | 2. S. Kalyelye |
| | | | Mvomero | 1. Felix Temu |
| | | | | 2. M. C. Kaguo |
| Pwani | Valerian Tesha | Magreth Maganda | Bagamoyo | 1. Martine Chikuni |
| | | S. B. Kashagaki | | 2. Dickson Chahe |
| | | | Kibaha | 1. T. S. Kashoka |
| | | | | 2. B. E. Kabwe |
| | | | Kisarawe | 1. E. K. Mwewmbe |
| | | | | 2. T. M. Mdemu |
| | | | Mkuranga | 1. C. J. Mwaiseje |

## List of Technical Supervisors for the 2003 Agriculture Sample Census – Mainland

### Core Mobile Response Team

| Name | Position |
|---|---|
| Aldegunda Komba | Manager, Agriculture Statistics Department |
| Colin Scott | Consultant, Agriculture Census/Team Leader |
| Lubili Marco Gambamalla | Desk Officer, Agriculture Census |

**HeadQuarter, Regional and District Supervisors**

| REGION | HeadQuarter Supervisor | Regional Supervisors | DISTRICTS | District Supervisors |
|---|---|---|---|---|
| | | | | 2. D. S. Ndesaiya |
| | | | Rufiji | 1. Hussein Harry |
| | | | | 2. Magamba Mhala |
| | | | Mafia | 1. H. R. Mselo |
| | | | | 2. A. W. Jambika |
| Dar es Ssalaam | Bakila Bakila | Frida Lugoye | Kinondoni | 1. Mohamed Mfaume |
| | | Karugaba Kagaruki | | 2. Ally S. Kisusu |
| | | | Ilala | 1. Peter Mtaita |
| | | | | 2. Consolata Haule |
| | | | Temeke | 1. Paulina Ngwawasya |
| | | | | 2. Kuria K. Msuya |
| Lindi | Saimon Semindu | Agustin Makumbezi | Kilwa | 1. Lukas Sembua |
| | | Joshua Mwaisemba | | 2. Juma Ali |
| | | | Lindi Rural | 1. J. S. Nngomo |
| | | | | 2. E. Said |
| | | | Nachingwea | 1. Ludovic Lomwe |
| | | | | 2. Joseph Mukasa |
| | | | Liwale | 1. Jacob K. Hyera |
| | | | | 2. A. K. Chingu |
| | | | Ruangwa | 1. Regnimus Maimu |
| | | | | 2. Benedict Kwesiga |
| | | | Lindi Urban | 1. Saimon P. Masese |
| | | | | 2. J. A. Mwanjekere |
| Mtwara | D. M. Masanja | B. M. Milanzi | Mtwara Rural | 1. Patric Mununduma |
| | | A. E. Simfukwe | | 2. Daniel Mlaponi |
| | | | Newala | 1. Jacobo Hyera |
| | | | | 2. A. K. Chiwangu |
| | | | Masasi | 1. Andrew Mpangala |
| | | | | 2. Ezbon Mbwana |
| | | | Tandahimba | 1. G. J. Mahanga |
| | | | | 2. A. R. Mgeni |
| | | | Mtwara Urban | 1. Hassan M. Mpela |
| | | | | 2. Wilbad Masili |
| Ruvuma | D.K. Sambe | Peter Milinga | Tunduru | 1. J. M. Komba |
| | | Mohamed Waziri | | 2. F. Nyakunga |
| | | | Songea Rural | 1. J. L. Mwakyembe |
| | | | | 2. A. M. Mlingi |
| | | | Mbinga | 1. E. D. Mapunda |
| | | | | 2. G. F. Mapunda |
| | | | Songea Urban | 1. F. M. Tindwa |
| | | | | 2. A. R. Kaunta |
| | | | Namtumbo | 1. R. T. Mponda |
| | | | | 2. L.K. Makumi |
| Iringa | Didas Tabwene | Moses A.Sagala | Iringa Rural | 1. H. Zayumba |
| | | S.S.Nyoni | | 2. L. E. Mandali |
| | | | Mufindi | 1. N. Longo |
| | | | | 2. A. H. Shegembe |
| | | | Makete | 1. L. Mwajilo |
| | | | | 2. A. Ngomuo |
| | | | Njombe | 1. A. Mbuligwe |
| | | | | 2. E. Ngaponda |
| | | | Ludewa | 1. Kelvin Mbena |
| | | | | 2. M. Sechonge |
| | | | Iringa Urban | 1. A. Mhina |
| | | | | 2. E. Kalikowele |
| | | | Kilolo | 1. A. Ngailo |
| | | | | 2. S. L. Makungu |
| Mbeya | Joackimu Kessy | Juma Shabaan | Chunya | 1. R.Kondokaya |
| | John Lyakurwa | Shunju Mwaselela | | 2. Salehe Muwaya |

## List of Technical Supervisors for the 2003 Agriculture Sample Census – Mainland

### Core Mobile Response Team

| Name | Position |
|---|---|
| Aldegunda Komba | Manager, Agriculture Statistics Department |
| Colin Scott | Consultant, Agriculture Census/Team Leader |
| Lubili Marco Gambamalla | Desk Officer, Agriculture Census |

**HeadQuarter, Regional and District Supervisors**

| REGION | HeadQuarter Supervisor | Regional Supervisors | DISTRICTS | District Supervisors |
|---|---|---|---|---|
| | | | Mbeya Rural | 1. C. Matovu |
| | | | | 2. C. Makawiti |
| | | | Kyela | 1. Michael Mwampaja |
| | | | | 2. K.E. Mwangilambo |
| | | | Rungwe | 1. E.Kasonso |
| | | | | 2. Nocha Angetile |
| | | | Ileje | 1. L. A. Kibona |
| | | | | 2. N. Mwanjala |
| | | | Mbozi | 1. D. Mandapi |
| | | | | 2. D. Rwechungura |
| | | | Mbalali | 1. Alex Mloe |
| | | | | 2. G.T. Mwambululu |
| | | | Mbeya Urban | 1. Euzeb Lameck |
| | | | | 2. Amina Naucho |
| Singida | Simbo Masawe | Mbwana Mahanaka | Iramba | 1. Enock Duke |
| | | Benjamini Kalekezi | | 2. Philician Masao |
| | | | Singida Rural | 1. Yesaya Njiku |
| | | | | 2. Anton Kimai |
| | | | Manyoni | 1. Yahwel Chilunda |
| | | | | 2. Upendo Mbeyu |
| | | | Singida Urban | 1. Elly Mshana |
| | | | | 2. Nicholaus Kimario |
| Tabora | Robert Fundi | A. H. Mafito | Nzega | 1. Beda M.Kiwango |
| | | J. Mapunda | | 2. Feruz S.Kazumba |
| | | | Igunga | 1. Yoronimo Gabriel |
| | | | | 2. Togolani Kajewa |
| | | | Urambo | 1. Erasto A. Konga |
| | | | | 2. Riward N. Nyange |
| | | | Sikonge | 1. Athuman A. Karry |
| | | | | 2. Canisius Katwanga |
| | | | Tabora Rural /Uyui | 1. T. A. Mitimingi |
| | | | | 2. Francis Misana |
| | | | Tabora Urban | 1. Jonas N. Uhinga |
| | | | | 2. Galinoma Mwambanga |
| Rukwa | Mathias Masuka | Joel Weja | Mpanda | 1. G. Mtana |
| | | Hamza Mvano | | 2. R. Luseya |
| | | | Sumbawanga Rural | 1. E. Kutumwa |
| | | | | 2. J. M. Mbonile |
| | | | Nkasi | 1. S. Mlay |
| | | | | 2. P. Matumizi |
| | | | Sumbawanga Urban | 1. P. J. Mtambo |
| | | | | 2. F. J. Mbwilo |
| Kigoma | Shaban Jabir | Preus Bayona | Kibondo | 1. Festo Mlandamule |
| | | Muura M. M. | | 2. J. M. Munyilili |
| | | | Kasulu | 1. P. Ntikwiza |
| | | | | 2. M. B. Kajuna |
| | | | Kigoma Rural | 1. S. F. Mumba |
| | | | | 2. A. Majaliwa |
| | | | Kigoma Urban | 1. S. Likoma |
| | | | | 2. M. Muhula |
| Shinyanga | F. Maige | Godfrey Temba | Bariadi | 1. Suzan Sabuni |
| | | Inegeja J. Nsulwa | | 2. Mkara Mgini |
| | | | Maswa | 1. Audrey Ndaskoi |
| | | | | 2. H. Melchior |
| | | | Shinyanga Rural | 1. P. R. Karega |
| | | | | 2. P. B. Kuhabwa |
| | | | Kahama | 1. Rashidi Hussein |
| | | | | 2. Matongo Rashidi |
| | | | Bukombe | 1. George Sabuni |

## List of Technical Supervisors for the 2003 Agriculture Sample Census – Mainland

### Core Mobile Response Team

| Name | Position |
|---|---|
| Aldegunda Komba | Manager, Agriculture Statistics Department |
| Colin Scott | Consultant, Agriculture Census/Team Leader |
| Lubili Marco Gambamalla | Desk Officer, Agriculture Census |

**HeadQuarter, Regional and District Supervisors**

| REGION | HeadQuarter Supervisor | Regional Supervisors | DISTRICTS | District Supervisors |
|---|---|---|---|---|
| | | | | 2. Reuben Ngeleza |
| | | | Meatu | 1. James Muhanga |
| | | | | 2. Jesca S. M. |
| | | | Kishapu | 1. Dismas Minja |
| | | | | 2. Amelye Mbende |
| Kagera | Oswald Ruboha | Agustine Ntinika | Muleba | 1. J. K. Muchunguzi |
| | | Leonada Bashauka | | 2. M. Miyonga |
| | | | Biharamulo | 1. M. Mashaka |
| | | | | 2. J. Kyamuhengile |
| | | | Ngara | 1. D. Safari |
| | | | | 2. J. Madaftari |
| | | | Bukoba Urban | 1. X. Karumuna |
| | | | | 2. O. Kaizelege |
| | | | Bukoba Urban | 1. E. N. Sweya |
| | | | | 2. D. Rwekahanwa |
| Mwanza | Lubili Marco Gambamala | Elia Shiwanga | Ukerewe | 1. Issa I. Mugengi |
| | Jonas Mdundo | Sylvesta Wangalila | | 2. Martine Humba |
| | | | Magu | 1. J. S. Lubango |
| | | | | 2. T. R. Masubo |
| | | | Kwimba | 1. Abbas Kyengesho |
| | | | | 2. Mark Mkilila |
| | | | Sengerema | 1. Gaspar Mweko |
| | | | | 2. Morris Ndiho |
| | | | Geita | 1. Anisabas Sedondi |
| | | | | 2. Andrew Ndilu |
| | | | Misungwi | 1. Fabian Chiganga |
| | | | | 2. Manase Katalahawa |
| | | | Ilemela | 1. Nindi Ngowi |
| Mara | R. Wanjara | Daniel Masolwa E | Tarime | 1. George Lugenzi |
| | Edward Magoti | | | 2. Evarist Machele |
| | | | Serengeti | 1. Simon Murumbe |
| | | | | 2. Marko Mahuka |
| | | | Musoma Urban | 1. George Magoti |
| | | | | 2. Sebastian Machere |
| | | | Bunda | 1. Juma Mgaba |
| | | | | 2. Zacharia Mluli |
| | | | Musoma Rural | 1. Yuda Enock |
| | | | | 2. Ayubu Joseph |
| Manyara | Lembris Kipuyo | Ernest Mshana | Babati | 1. L. G. Tarimo |
| | | S. F. Masawe | | 2 |
| | | | Hanang | 1. K. D. Sangi |
| | | | | 2. Msangasi Hushuda |
| | | | Mbulu | 1. Yustina A. Lahhi |
| | | | | 2. German F.Musuya |
| | | | Simanjiro | 1. Elly Mushi |
| | | | | 2. Beatrice Kyalatingo |
| | | | Kiteto | 1. J. B. Ngowi |
| | | | | 2. Emanuel Masha |

# Appendix IV

## Survey Instruments

**UNITED REPUBLIC OF TANZANIA**

Confidential

***Page Number …….***

# Agriculture Sample Census 2002/03

**ACLF 1: Sub-village leader listing form**

| | |
|---|---|
| Region _____ Code | Ward _____ Code |
| District _____ Code | Village _____Code |

Name of Village Chairman:……..

| Sub-village leader number | Name of sub-village leader | Number of households | | Comments |
|---|---|---|---|---|
| | | From office register | After enumeration | |
| (1) | (2) | (3) | (4) | (5) |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | Total | | | |

Name of enumerator…… Signature ……. Date…….

Name of supervisor…… Signature ……. Date…….

Ministry of Agriculture and Food Security, Ministry of Water and Livestock Development, Ministry of Cooperatives and Marketing and the National Bureau of Statistics

**UNITED REPUBLIC OF TANZANIA**

Confidential

Interval
Starting point

***Page Number……..***

# Agriculture Sample Census 2002/03

**ACLF: 2 Household listing form - form for listing household heads and their agriculture activities**

| | | | |
|---|---|---|---|
| Region | _____ | Code | Name of Sub-village Leaader _____ |
| District | _____ | Code | Subvillage leader code |
| Ward | _____ | Code | |
| Village | _____ | Code | Name of Sub-village _____ |

| Household Number | Household head name | Number of | | | | | | | | | | ✓ if the respodent qualifies to be a farmer * | Farmer Serial Numbers |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Fields + | Cattle | | | | Goats | Sheep | Pigs | poultry/ducks | Rabbit | | |
| | | | Total Number | Adult male cattle | Adult female cattle | Calves | | | | | | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | **Totals** | | | | | | | | | | | | |

* **NOTE:** (Column 13) Place a "✓" if the household has at least 1 field over 25m$^2$ and/or keeps at least 1 Cow, 5 Goats/Sheep/Pigs or 50 Chicken/poultry or ducks

+(Column 3) A field must be at least 25 m$^2$

Name of enumerator…….. Signature ……. Date……..….

Name of supervisor……. Signature ……. Date……..…….

# UNITED REPUBLIC OF TANZANIA

**Confidential**

## National Agriculture Sample Census 2002/03

**ACLF: 3 Household listing of 15 selected farmers**

Region _____ Code ☐☐

District _____ Code ☐☐

Ward _____ Code ☐☐☐

Village _____ Code ☐☐

| S/N | Sub village leader number | Name of sub-village leader | Agriculture hh serial number | Name of selected head of household | Number of | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Fields | Cattle | Goat | Sheep | Pig | Poultry /ducks | Rabbits |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (12) |
| 01 | | | ☐☐☐ | | | | | | | | |
| 02 | | | ☐☐☐ | | | | | | | | |
| 03 | | | ☐☐☐ | | | | | | | | |
| 04 | | | ☐☐☐ | | | | | | | | |
| 05 | | | ☐☐☐ | | | | | | | | |
| 06 | | | ☐☐☐ | | | | | | | | |
| 07 | | | ☐☐☐ | | | | | | | | |
| 08 | | | ☐☐☐ | | | | | | | | |
| 09 | | | ☐☐☐ | | | | | | | | |
| 10 | | | ☐☐☐ | | | | | | | | |
| 11 | | | ☐☐☐ | | | | | | | | |
| 12 | | | ☐☐☐ | | | | | | | | |
| 13 | | | ☐☐☐ | | | | | | | | |
| 14 | | | ☐☐☐ | | | | | | | | |
| 15 | | | ☐☐☐ | | | | | | | | |

Name of Enumerator:_____Signature_____Date_____

Name of Supervisor_____Signature_____Date_____

Ministry of Agriculture and Food Security, Ministry of Water and Livestock Development, Ministry of Cooperatives and Marketing and the National Bureau of Statistics

# United Republic of Tanzania

**ACQ 1** **CONFIDENTIAL**

# Small holder/Small Scale Farmer Questionnaire

## Agriculture Sample Census

## 2002/2003

**Enumerator** Name ..... Signature .....

Date Enumerated ☐☐ / ☐☐ / ☐☐ (d d / m m / y y)

| | Hour | Minutes |
|---|---|---|
| Start time | ☐☐ | ☐☐ |
| End time | ☐☐ | ☐☐ |

**Field level checking by:**

District Supervisor: Name ..... signature ..... Date ..... / ..... / .....

Regional Supervisor: Name ..... signature ..... Date ..... / ..... / .....

National Supervisor: Name ..... signature ..... Date ..... / ..... / .....

*To be completed by the supervisor **ONLY** after field/farm level checking of the enumeration process. This should be countersigned by the enumerator.*

**District checking in Office:**

District Supervisor Name ..... signature ..... Date ..... / ..... / .....

*All questionnaires must be checked at the district office.*

**For Use at National Level only:**

Data Entered by Name ..... signature ..... Date ..... / ..... / .....

Queried Name ..... signature ..... Date ..... / ..... / .....

*See back page for details of query*

Executed by the Ministry of Agriculture and Food Security, Ministry of Water and Livestock Development,
Ministry of Cooperatives and Marketing
and
National Bureau of Statistics

## 1.0 IDENTIFICATION DETAILS

### 1.1 Location

| S/N | Location Name | Codes |
|---|---|---|
| 1.1.1 | Region …… | |
| 1.1.2 | District …… | |
| 1.1.3 | Ward …… | |
| 1.1.4 | Village …… | |

### 1.2 Details of the **respondent** and **household head**

| S/N | | Codes |
|---|---|---|
| 1.2.1 | Name & number of **local leader** …….. | |
| 1.2.2 | Name & number of **household head** …….. | |
| 1.2.3 | **Sex** of household head (Male = 1, Female = 2) | |
| 1.2.4 | Name of **respondent** …….. | |
| 1.2.5 | **Relationship of Respondent** to Household Head | |

***Relationship to household head codes (Q 1.2.5)***

*Head of Household…...1 Son/Daughter ……...3 Grandson/Granddaughter …...5 Other (friend, employee, etc)…8*
*Spouse ……..…2 Father/Mother …...…4 Other relative……...6*

## 2.0 ACTIVITIES OF THE HOUSEHOLD

2.1 **Type** of Agriculture Household

***Agriculture household codes(Q2.1)***

*Crops only……..1 Livestock only ……..2 Pastoralist……...3 Crops and Livestock ……..4*

### 2.2 **Rank the following livelihood activities/source of income** of the household in order of importance

| S/N | Livelihood/source of income activity. | Rank in order of importance 1=most 7=least | How important are each of these activities expressed in percentage. |
|---|---|---|---|
| | *(1)* | *(2)* | *(3)* |
| 2.2.1 | **Annual Crop** farming | | % |
| 2.2.2 | **Permanent** crop farming | | % |
| 2.2.3 | **Livestock** keeping/herding | | % |
| 2.2.4 | **Off Farm Income** | | % |
| 2.2.5 | **Remittances** | | % |
| 2.2.6 | **Fishing/hunting** and gathering | | % |
| 2.2.7 | **Tree/forest** resources (eg honey, firewood, timber,etc) | | % |
| | | | 1 0 0 % |

## Definition and working page for page 1

### General Definitions

**Small holder hh/small scale farm:**
Should have between 25sq metres and 20 Hectares under production, and/or between 1 and 50 head of Cattle, and/or between 5 and 100 head of Sheep/Goats/Pigs, and/or between 50 and 1000 chickens/turkeys/ducks/rabbits.

**Household:** A group of people who occupy the whole or part of one or more housing units and makes joint provisions for food and/or other essentials for living.

**Household Head:** A person who is acknowledged by all other members of the household either by virtue of his age or standing in the household as the head. He/she should be a permanent resident of the house and he/she is the main person responsible for making decissions.

**Agricultural Holding:** This is an economic unit of agricultural production under single management. It consists of all livestock kept and all land used for agricultural production without regard to title. For the purpose of this survey, the agricultural holdings are restricted to those which meet one of the following conditions:

- Having or operated at least 25 sq meter of arable land
- Own or keep at least one head of cattle or five goats/sheep/pigs or fifty chicken/ducks/turkeys during the agricultural year 2002/03 (October 2002 to September 2003) .

### Question Specific Definitions:

**Type of Agriculture Holdings Codes (Q2.1):**

**- Crops only:** A holding is referred to be a crops only holding if it has cultivated a piece of land equal or exceeding 25 sq Meter. This also applies to all households owning or have kept livestock whose number does not qualify such household to be an agricultural holding (No cattle, less than 5 goats/sheep/pigs, less than 50 chickens/turkeys/ducks/rabbits)

**- Livestock only:** A holding is referred to be a Livestock only holding if it has exercised Livestock husbandry only during the agricultural year. The livestock can be herded in search for areas of pasture, but the core household unit always remains in the same place and the herder is rarely away from this place for long periods at a time.

**- Livestock pastoralism:** This refers to a household which practices livestock production as its major income generating activity and a means of subsistence, but moves from one place to another searching for water and pasture for the livestock. This movement usually involves long distances and in many cases the whole household unit moves with the livestock and they have no permanent place of residence.

*For both livestock only and pastoralism , the number of livestock has to be at least 1 head of cattle, 5 goats/sheep/pigs or 50 chickens/turkeys/ ducks/rabbits. This also applies to all households owning or have cultivated a piece of land less than 25 sq meter, which does not qualify such household be an agricultural holding.*

**- Both crops and livestock:** A holding is referred to be a both crops and livestock if it has cultivated a piece of land equal or exceeding 25 sq meter and if such households is owning or have kept livestock whose number qualify such household be an agricultural holding.

**Important livelihood activities/source of income (Q 2.2):**

**- Crop farming:** This refers to a household where crop production is its major means of subsistence and income generation.

**- Livestock farming/herding/pastoralism:** This refers to a household where livestock farming/herding is its major means of subsistence & income generation.

**- Off Farm Income** This refers to cash generated from activities other than from the households holding. This can be from permanent employment (eg government/other), temporary employment/labouring and includes cash generated from working on other farmers farms.

-**Remittances:** Assistance from family members who are not currently part of the household, or from a relative or family friend. This assistance is usually in the form of cash but it can also be in-kind (eg food, clothes, building material, farm tools, etc). The money is a gift and is not paid back.

**-Fishing/hunting and gathering** The use of non farmed resources for food eg fishing, hunting wildlife and gathering mushrooms, berries, wild honey roots from uncultivated land.

### Procedures for Questions:

**Q 2.1 Type of agriculture household/holding**

**1.** Using the options under the question classify the type of agriculture hh/holding

**Note:** If the hh had 1 acre of crops and raised 40 chickens during 2002/03 it is classified as **'Crops only'** as the number of chickens do not qualify the hh as keeping livestock.

**Q 2.2 Important hh livelihood activities /source of income**

**1.** Read the list in column 1 to the respondent and ask him to rank them in order of importance during the reference year.

**2.** In column 2 Indicate the importance of each activity by placing **'1'** against the most important, **'2'** against the second most important, etc until you reach **'7'** the least important activity/source of income.

**Note: You must attempt to fill in all boxes. Most households will carry out these activities to a greater or lesser degree. You will normally have to probe to get remittances.**

**If the hh did not undertake an activity during the 2002/2003 agriculture year then mark the appropriate box in column 2 with an 'X'.**

**3.** For each activity/source of income assign a percentage. The enumerator should assist the respondent in assigning the percentage based on the information provided by the farmer.

**4.** After completing column 3 make sure the percentages add up to 100.

**Note:** It is not essential to be 100% accurate. This question is just to give the relative importance of the different items in general terms

**3.0 HOUSEHOLD INFORMATION**

3.1 Give details of personal **particulars** of all household members beginning with the head of the household

| S/N | Names of household members | Relationship to head | Sex M=1 F=2 | Age (if age is above 99 years then write 99) | Survival of Parents: Mother | Survival of Parents: Father | Read & Write | Education Status | Education Level reached | Involvement in farming | Main activity (for aged 5 & above) | Off-farm Income Yes=1 No=2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Not applicable for children under 5 years of age | | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| 3.1.1 | …… | 1 | | | | | | | | | | |
| 3.1.2 | …… | | | | | | | | | | | |
| 3.1.3 | …… | | | | | | | | | | | |
| 3.1.4 | …… | | | | | | | | | | | |
| 3.1.5 | …… | | | | | | | | | | | |
| 3.1.6 | …… | | | | | | | | | | | |
| 3.1.7 | …… | | | | | | | | | | | |
| 3.1.8 | …… | | | | | | | | | | | |
| 3.1.9 | …… | | | | | | | | | | | |
| 3.1.10 | …… | | | | | | | | | | | |
| 3.1.11 | …… | | | | | | | | | | | |
| 3.1.12 | …… | | | | | | | | | | | |
| 3.1.13 | …… | | | | | | | | | | | |
| 3.1.14 | …… | | | | | | | | | | | |
| 3.1.15 | …… | | | | | | | | | | | |
| 3.1.16 | …… | | | | | | | | | | | |

***Relation to head (Col 2)***

*Head of household …….1*
*Spouse ……..2*
*Son/daughter ……..3*
*Father/Mother ……..…4*
*Grandson/granddaughter .5*
*Other Relative ……....6*
*Others ……..…8*

***Survival of Parents (Col 5 & 6)***

*Yes ……..1*
*No ……..2*
*Don't know ……..3*

***Read & Write (Col 7)***

*Swahili ……1*
*English ……2*
*Swahili & English ……...3*
*Any other language ……..4*
*Don't Read/ Write ……..5*

***Education Status (Col 8)***

*Attending School ……..1*
*Completed ……...……...2*
*Never attended School ……3*

***Education Level Reached (Col 9)***

***Primary Education***

*Not of school age .....NA*
*Under Standard One .... 00*
*Standard One .....01*
*Standard Two .....02*
*Standard Three .....03*
*Standard Four .....04*
*Standard Five .....05*
*Standard Six .....06*
*Standard Seven .....07*
*Standard Eight .....08*
*Training after Primary Education .....09*
*Pre Form One .....10*

***Secondary Education***

*Form one .....11*
*Form two .....12*
*Form three .....13*
*Form four .....14*
*Form five .....15*
*Form six .....16*
*Training after Secondary Education .....17*
*University & other tertiary Education .....18*
*Adult Education .....19*
*Not applicable .....99*

***Involvement in farming activities (Col 10)***

*Works full time on farm ...1*
*Works part-time on farm 2*
*Rarely works on farm ….3*
*Never works on farm……4*

***Main activity (Col 11)***

*Crop Farming .....01*
*Livestock Keeping/Herding..02*
*Livestock Pastoralism.....03*
*Fishing .....04*
*Paid employment:*
*- Government/parastatal ....05*
*- Private- NGO/mission/etc .06*
*Self employed (non farming)*
*- with employees .....07*
*- without employees .....08*
*Unpaid family helper (non agriculture) .....09*
*Not working & available.....10*
*Not working & unavailable...11*
*Housemaker/housewife .....12*
*Student .....13*
*Unable to work /too old/ Retired/sick/disabled).....14*
*Other .....98*

## Definition and working page for page 2

### Question Specific Definitions:

**Relation to head (Col 2):**

**- Household Head:** A person who is acknowledged by all other members of the household either by virtue of their age or standing as the household head.

**Read and Write (Col 7):**

**- Any other language:** Must be a written language.

For someone who can read and write in Swahili and any other language apart from English, the correct code is 1. For one who can read and write in English and any other language apart from Swahili the correct code is 2. Code 4 should only be used for another language but not English or Swahili

**Education Level Reached (Col 9):**

Indicate the highest level only. For those still attending school fill in the last year reached before the survey period. For example if a hh member is currently in standard 7 this year his highest grade reached is standard 6

**Main Activity (Col 11):**

**- Crop farming:** The persons main activity is crop production. This can be annual crops, vegetables, permanent crops or tree farming.

**- Livestock farming/herding:** The persons main activity is livestock farming/herding. The livestock can be herded in search for areas of pasture, but the core household unit always remains in the same place and the herder is rarely away from this place for long periods at a time. This category also includes fish farming but not fishing.

**- Livestock pastoralism:** The persons main activity is in moving livestock from one place to another searching for water and pasture for the livestock. This movement usually involves long distances and in many cases the whole household unit moves with the livestock and they may have no permanent place of residence.

**-Paid employment -** In full time employment earning a cash income

- Government/Parastatal - In full time employment for a government Ministry, Department or Board that is controlled by the Government
- Private/NGO/Mission/etc - employed by Non public/government organisation

**-Self employee** - works for own business for cash income

- With employees - Works for own business for cash and employs other workers
- Without employees - Works for own business for cash but does not employ other workers

**- Not working but available to work** - No productive activity but would like to have one.

**- Not working & nor available for work** - No productive activity and does not want to have one.

**- Unable to work** too old, too young, retired, disabled, etc

**Off-farm Income (Col 12) -** Income made from activities NOT on the HH's farming activities. This can be any off farm income generation activity and includes working for cash on other peoples farms.

Indicate whether each member was involved in an off farm income generating activity during 2002/03

### Overview to section 3.0

**Section 3.0 - Preliminary note**

**1.** Make sure that you define the hh properly to ensure that all the members of the hh are included. Make sure you stress that the hh is not just the hh heads direct family and that it includes other people living and eating together with the family.

**2.** If you notice that his house is large or you see many people around his house and he has only given you small number of hh members enquire further until you are sure that you have captured all the hh members.

### Procedures for questions

**Section 3.0 - Household Information**

**1.** For each household member complete columns 1, 2 & 3.

**2.** After completing columns 1, 2 & 3 for each household member go back to the first household member and complete the remaining columns for that member.

**3.** Repeat step 2 for the rest of the household members

**IMPORTANT NOTE:**
Cross check responses in columns 11 and 12 with section 2 especially in relation to:

off-farm income - if a hh member was involved in off farm income then there should be a response in question 2.2.4 and vice versa.

## 4.0 LAND ACCESS/OWNERSHIP/TENURE

4.1 Details of **area "owned" by the household** in the 2002/03 agricultural year. Give area reported by the respondent in **"acres".**

| | | Area in Acres |
|---|---|---|
| 4.1.1 | Area **Leased/Certificate of ownership** | |
| 4.1.2 | Area owned under **Customary Law** | |
| 4.1.3 | Area **Bought** from others | |
| 4.1.4 | Area **Rented** from others | |
| 4.1.5 | Area **Borrowed** from others | |
| 4.1.6 | Area **Share -cropped** from others | |
| 4.1.7 | Area under **Other** forms of tenure …… | |
| | **Total area** | |

4.2 Was all land available to the hh used during 2002/03 (Yes=1, No=2)

4.3 Do you consider that you have sufficient land for the hh (Yes=1, No=2)

4.4 Do any female members of the hh own or have customary right to land (Yes=1, No=2)

## 5.0 LAND USE

5.1 Area operated by household under **different forms of land use** during 2002/03 agriculture year. Give area reported by the respondent in **"acres"**.

| | | Area in Acres | Calculation area |
|---|---|---|---|
| 5.1.1 | Area under **Temporary Mono-crops** | | |
| 5.1.2 | Area under **Temporary Mixed** crops (eg Maize & beans) | | |
| 5.1.3 | Area under **Permanent Mono-crops** | | |
| 5.1.4 | Area under **Permanent Mixed** crops (eg bananas, coffee & trees) | | |
| 5.1.5 | Area under **Permanent/temporary mix** (eg bananas & maize) | | |
| 5.1.6 | Area under **Pasture** | | |
| 5.1.7 | Area under **Fallow** | | |
| 5.1.8 | Area under **Natural Bush** | | |
| 5.1.9 | Area under **Planted Trees** | | |
| 5.1.10 | Area **Rented** to others | | |
| 5.1.11 | Area **Unusable** | | |
| 5.1.12 | Area of **Uncultivated Usable** land (excluding fallow) | | |
| | **Total area** | | |

## 6.0 ACCESS AND USE OF RESOURCES

**6.1 In the following table indicate the distance to the different fields used by the household**

| S/N | Field Number | Distance (in kilometres) from field to: Homestead | Nearest road | Nearest Market |
|---|---|---|---|---|
| 6.1.1 | 1 | | | |
| 6.1.2 | 2 | | | |
| 6.1.3 | 3 | | | |

***Distance codes***

*less than 100m ……1*
*between 100 and 300m .2*
*between 300 and 500m .3*
*between 500 and 1km....4*
*between 1 and 2km ……5*
*between 2 and 3km ….6*
*between 3 and 5km …..7*
*between 5 and 10 km ..8*
*Over 10 km ……...9*

**6.2 In the following table indicate the distance and use of the following communal resources**

| S/N | Communal Resource | Distance to resource (km) dry season | wet season | Main hh use |
|---|---|---|---|---|
| | *(1)* | *(2)* | *(3)* | *(4)* |
| 6.2.1 | Water for **humans** | | | |
| 6.2.2 | Water for **livestock** | | | |
| 6.2.3 | Communal **Grazing** | | | |
| 6.2.4 | Communal **Firewood** | | | |
| 6.2.5 | Wood for **Charcoal** | | | |
| 6.2.6 | **Building** poles | | | |
| 6.2.7 | Forest for **bees (honey)** | | | |
| 6.2.8 | **Hunting(animal products)** | | | |
| 6.2.9 | **Fishing (Fish)** | | | |

**Instructions for distance to resource (Col 2 and 3):**
If under 1km, write 0
If above 1km round to whole numbers
eg 1.5km= 2km, 1.25km= 1km

***Main hh use (Col 4)***

*Home or farm Consumption/utilisation…..1*
*Sold to Neighbours.....2*
*Sold to trader on the farm.....3*
*Sold to village market ……..4*
*Sold to local wholesale market.....5*
*Sold to major wholesale market .....6*
*Not used by household.....7*
*Not available .....8*

## Definition and working page for page 3

### Question Specific Definitions

**Section 4.1 - Land Access/Ownership**

**Lease/Certificate of Ownership** Area under lease/certificate of ownership refers to the area for which the household possesses a government issued leasehold title or certificate of ownership. The land will normally be officially surveyed and boundaries marked. This includes leased land bought from others where the lease/certificate of ownership has been transferred.

**Customary Law:** This refers to the land which the hh does not have an official government title to but its right of use is granted by the traditional leaders. This user-right agreement does not have to be granted directly by the village leaders as right of access may be passed on through heredity.

**Bought:** This refers to the area of customary land that has been bought from others. This land does not have an official title and therefore is not leasehold.

**Rented from others:** Land rented from others for Cash or for a fixed amount in crop produce (eg fixed number of bags at harvest).

**Borrowed:** Use granted by land owner free of charge. Land owner can either be a lease holder or has right of access through customary law.

**Share Cropping:** where the hh is permitted to use land which is then paid for from a percentage of the harvested crop.

**Section 5.0 Land Use**

- **Temporary crops:** are sown and harvested during the same agricultural year

- **Permanent crops:** are sown or planted once and then , they occupy the land for some years and need not to be replanted after each annual harvest. Permanent crops are mainly trees (e.g., apples) but also bushes and shrubs (e.g., berries), palms (e.g., dates), vines (e.g., grapes), herbaceous stems (e.g., bananas) and stemless plants (e.g., pineapples).

- **Mixed Crops:** This is a mixture of two or more crops planted together and mixed in the same plot/field. The two crops can either be randomly planted together or they can be planted in a particular patterm eg intercropping (1 row of maize and 1 row of beans). A field that has been divided into plots for different crops is not mixed. This is further subdivided into:

**Permanent Mixed** -two or more permanent crops grown together,
**Permanent/Temporary Mix** - permanent crop and annual crop together,
**Temporary Mixed -** two or more temporary, annual crops grown together.

- **Pasture Land:** This is an area of owned/allocated land which is set aside for livestock grazing. It can be improved pasture where the farmer has planted grass, applied fertilized or applied other production increasing technologies to improve the grazing. Or it can be rough pasture.

- **Fallow:** This is the area of land that is normally used for crop production, but is not used for crop production during a year or a number of years. This is normally to allow for self generation of fertility/soil structure and is often an integral part of the crop rotation system.

- **Natural Bush:** Land which is considered productive but is not under cultivation or used extensively for livestock production and has naturally growing shrubs and trees.

-**Planted trees:** Land which is used for planting trees for poles or timber

- **Unusable:** Land that is known to be non-productive for agriculture purposes

**Uncultivated Usable:** This is land that was not used for reasons other than fallow. The reasons could be lack of inputs/money/rainfall/etc

**Distance to fields (Q6.1):**

**-fields** A field is a contiguous piece of land holding which the farmer considers as a single entity. The field may be divided into plots for growing different crops. A holding may consist of one or more fields in different localities.

**Use of Communal Resources (Q6.2):**

**-Communal resources** - refers to the place on which all individual households can have access to. It is not individually owned or controlled by one hh.

**NOTE: The listed resources refers to communal resources and not those individually owned or part shared. The resource has to be freely accessible to the whole village**

### Overview to section 4

**Section 4.0 - Preliminary note**

**Land Access/ Ownership**

Access/Ownership refers to the area utilized by the members of the household. This does not include communal land where the resources are shared between households. It does include official communal land that the hh has sole access to eg a plot for crop farming in the communal area.

### Procedures for Questions

**Section 4.0 - Land Ownership**

**1.** Ask the respondent if he knows the total area of land the household has sole access to. If he knows make a note in the calculation space

**2.** Ask the respondent the area of the different land ownership categories the household has sole access to (Q4.1.1 to 4.1.7) and record in the appropriate spaces.

**3.** Add up the area of the different categories of land and compare it with the total area obtained in step 1 (if the respondent provided the information).

**4.** If the total area is different find out which one is correct and make amendments where appropriate.

**Section 5.0 - Land Use**

**1.** Ask the respondent the area of the different landuse categories the household has sole access to (Q5.1.1 to 5.1.12) and record in the appropriate spaces.

2. Add up the area of the different categories of land and compare it with the total area obtained in section 4.0. The total area should be the same.

3. If the total area is different find out which one is correct and make amendments where appropriate.

**Section 6.2 Communal resources**

**Note: the code "Not available" means that the resource does not exist. The code "Not Used" means that the resource does exist but is not used by the hh.**

## 7.0 ANNUAL CROP AND VEGETABLE PRODUCTION - SHORT RAINY SEASON

7.1.1 Did the hh **plant** any crops during the **Short Rainy** season? (Yes = 1, No=2) [ ] [ ]

*If the response is **'NO'** give main reason* [ ] *Then go to section 7.2*

***Main Reason (Above)*** *No rains.....1 Rains came too late .....2 Does not plant annual crops .....3 No money 4 Don't get Vuli season ..5 Illness/social problems .....6 Has irrigation & does not follow season (give annual production in Masika) .....7*

7.1.2 For each crop planted during 2002/03 **Short Rainy** season provide the following information

| | | | | Planting | | Inputs | | | | | | Harvesting & Storage | | | | | | Marketing | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Crop Name** | **Crop Code** | **Land Clea -ring** | **Soil prep -arat -ion** | **Planned area (acres)** | **Actual Planted area (acres)** | **% impr -oved seed** | **Irrig -at -ion use** | **Fer -til -iser use** | **Her -bic -ide use** | **Fun -gic -ide use** | **Pest -tic -ide use** | **How harv ested** | **How thres hed** | **Area Harvested (acres)** | **main prod -uct code** | **Quantity harvested (Kgs)** | **Quantity Stored (kgs)** | **Quantity sold (kgs)** | **Mostly sold to** |
| *(1)* | *(2)* | *(3)* | *(4)* | *(5)* | *(6)* | *(7)* | *(8)* | *(9)* | *(10)* | *(11)* | *(12)* | *(13)* | *(14)* | *(15)* | *(16)* | *(17)* | *(18)* | *(19)* | *(20)* |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| **Total Planned/Planted** | | | | | | | | | | | **Total area harvested** | | | | | | | | |

7.1.3 Main reason for difference between **Area Planned** and **Area Planted** [ ]

7.1.4 Main reason for difference between **Area Planted** and **Area Harvested** [ ]

***Land Clearing (Col 3)***
*Mostly bush clearance ...1*
*Mostly hand slashing .....2*
*Mostly tractor slashing ...3*
*Mostly burning .....4*
*No land clearing.....5*

***Soil preparation Method (Col 4)***
*Mostly tractor ploughing .1*
*Mostly Oxen ploughing ..2*
*Mostly Hand cultivation ..3*

***Improved seed Use (Col 7)***
*all Improved .....1*
*approx 3/4 improved.....2*
*approx 1/2 improved.....3*
*approx 1/4 improved.....4*
*less than 1/4 improved ..5*
*No improved seed used.6*

***Irrigation Use (Col 8)***
*Used on all crop .....1*
*Used on 3/4 of crop .....2*
*Used on 1/2 of crop.....3*
*Used on 1/4 of crop .....4*
*Used on less than 1/4....5*
*Not used .....6*

***Fertiliser codes (Col 9)***
*Mostly Farm Yard Manure 1*
*Mostly Compost .....2*
*Mostly Inorganic fertiliser ..3*
*No fertiliser applied ..... ..4*

***Agrochemical use codes (Col 10,11 &12)***
*Used on all crop .....1*
*Used on 3/4 of crop .....2*
*Used on 1/2 of crop.....3*
*Used on 1/4 of crop .....4*
*Used on less than 1/4 .....5*
*Not used .....6*

***Threshed/harvested (Col13 & 14)***
*By hand .....1*
*By draft animal .....2*
*By human powered tool.....3*
*By engine driven machine...4*
*Not applicable .....9*

***Main product (Col 16)***
*Dry Grain.....1*
*Green cob/green pod.....2*
*Green leaves & Stem.....3*
*Straw, dry stems etc .....4*
*Root, tuber, etc .....5*
*Flower eg pyrethrum .....6*
*Fruit/bunch .....7*
*Other.....8*
*Not harvested yet .....9*

***Mostly sold to (Col 20)***
*Neighbour.....01*
*Local market/trade store .....02*
*Secondary Market..03*
*Tertiary Market .....04*
*Marketing Coop ....05*
*Farmer Association06*
*Largescale farm ....07*
*Trader at Farm ....08*
*Contract Partner ...09*
*Did not sell .....10*
*Other .....98*

***Reason for difference between area planned and planted (Q7.1.3)***
*Drought .....1*
*Floods .....2*
*Access to land preparation tools (Draft animal/tractors).3*
*Credit .....4*
*Access to seeds/planting material.....5*
*Access to other inputs .....6*
*Other .....8*
*Not applicable .....9*

***Reason for difference between area planted and harvested (Q7.1.4)***
*Drought .....1*
*Rain/flood damage .....2*
*Fire damage .....3*
*Pest damage .....4*
*Animal damage .....5*
*Theft .....6*
*Illness/social problems .....7*
*Other .....8*
*Not applicable .....9*

**Definitions and working page for page 4**

*Working table for the calculation of area occupied by annual crop in a mixture*

| **Crop mixture 1** | Crop Name | Total area of mix (acre) | Ground area/plant (ACRE) | Total no. of plants | Total ground area of plants (ACRES) |
|---|---|---|---|---|---|
| *(a)* | *(b)* | *(c)* | *(d)* | *(e)* | *(f)* |
| Permanent crop 1 | | | 0.00 | | 0. |
| Permanent crop 2 | | | 0.00 | | 0. |
| Permanent crop 3 | | | 0.00 | | 0. |
| Permanent crop 4 | | | 0.00 | | 0. |
| | | | | Total Area of permanent crops in mix | 0. |
| | | | | **REMAINING AREA UNDER TEMPORARY CROPS** | . |
| | | | | crop% | crop area |
| Temporary/permanent crop name 1 | | | | | . |
| Temporary/permanent crop name 2 | | | | | . |
| Temporary/permanent crop name 3 | | | | | . |
| Total area check | . | | | Crop total check | . |

| **Crop mixture 2** | Crop Name | Total area of mix (acre) | Ground area/plant (ACRE) | Total no. of plants | Total ground area of plants (ACRES) |
|---|---|---|---|---|---|
| *(a)* | *(b)* | *(c)* | *(d)* | *(e)* | *(f)* |
| Permanent crop 1 | | | 0.00 | | 0. |
| Permanent crop 2 | | | 0.00 | | 0. |
| Permanent crop 3 | | | 0.00 | | 0. |
| Permanent crop 4 | | | 0.00 | | 0. |
| | | | | Total Area of permanent crops in mix | 0. |
| | | | | **REMAINING AREA UNDER TEMPORARY CROPS** | . |
| | | | | crop% | crop area |
| Temporary/permanent crop name 1 | | | | | . |
| Temporary/permanent crop name 2 | | | | | . |
| Temporary/permanent crop name 3 | | | | | . |
| Total area check | . | | | Crop total check | . |

**Land Clearing:** Refers to removing trees/bush/grass prior to ploughing
**Soil Preparation:** Refers to the seedbed preparation (ploughing, harrowing, etc)
**Planned Area:** Area in **Acres** the household planned to plant before the season started
**Actual Planted Area:** The area in **Acres** the household was able to plant.
**Area Harvested:** The area in **Acres** that produced a harvest. This is the same as the area planted minus the area that was destroyed by major flood/pest/ animal/etc damage.

**Temporary/Annual Crop:** Crops which are planted and harvested within a period of 12 months after which time the plants die. Most annual crops are planted and harvested on a seasonal basis.

**Cash Crop Codes:**

| Code | Crop |
|---|---|
| 50 | Cotton |
| 51 | Tobacco |
| 53 | Pyrethrum |
| 62 | Jute |
| 19 | Seaweed |

**Crop Codes (Cereals /tubers/roots):**

| Code | Crop |
|---|---|
| 11 | Maize |
| 12 | Paddy |
| 13 | Sorghum |
| 14 | Bulrush Millet |
| 15 | Finger Millet |
| 16 | Wheat |
| 17 | Barley |
| 22 | Sweet Potatos |
| 23 | Irish potatos |
| 24 | Yams |
| 25 | Cocoyams |
| 26 | Onions |
| 27 | Ginger |

**Vegetable Codes:**

| Co -de | Crop |
|---|---|
| 86 | Cabbage |
| 87 | Tomatoes |
| 88 | Spinach |
| 89 | Carrot |
| 90 | Chillies |
| 91 | Amaranths |
| 92 | Pumpkins |
| 93 | Cucumber |
| 94 | Egg Plant |
| 95 | Water Mellon |
| 96 | Cauliflower |

**Crop Codes Legumes Oil & fruit:**

| Code | Crop |
|---|---|
| 31 | Beans |
| 32 | Cowpeas |
| 33 | Green gram |
| 35 | Chick peas |
| 36 | Bambara nuts |
| 37 | Field peas |
| 41 | Sunflower |
| 42 | Simsim |
| 43 | Groundnut |
| 47 | Soyabeans |
| 48 | Caster seed |

**Instructions for calculating the area of mixed crops in a mixture.**

**A.** If the mixed crop is mixed annual only enter the total area of the field in the REMAINING AREA UNDER TEMPORARY CROPS. and goto step 1 of these instructions.

**B.** If the mixed crop is mixed permanent and annual try to get the % occupied by the different crops and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annual crops in the mix, Step C

**C.** Number of trees method to calculate annual crop areas in a peranent-annual crop mix/
(i) list each of the permanent crops in column b and enter the ground area per acre for each permanent crop (from instructions for page 6) in column 'd'.
(ii) obtain the number of permanent trees in the mix from the respondent and enter the number in column 'e'.
(iii) calculate the area occupied by each crop by multiplying column 'd' with column 'e' and sum these to obtain the total area of permanent crops in the mix.
(iv) subtract the total area of permanent crops in the mix from the total area of mix and enter the result in the total area under temporary crops.
(v) proceed to step 1 to calculate the area under each temporary crop.

1. Enter the name of each annual crop in the mix & estimate the percentage of each crop.
2. Using the percentages for each crop calculate the area of each crop from the REMAINING AREA UNDER TEMPORARY CROPS.
3. After completing this exercise for all fields, sum the area of each crop in the mix plus any monocrops and enter totals in section 7.1 col 6.
4. Obtain an estimate of the planned area for each crop and enter it in column 5
5. If the area harvested is different to the area planted estimate the harvest area
6. Once the quantity harvested is obtained calculate the Yield (Metric tonnes/acre) & compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.

## 7.2 ANNUAL CROP AND VEGETABLE PRODUCTION - LONG RAINY SEASON

7.2.1 Did the hh **plant** any crops during the **LONG RAINY** season? (Yes=1 No=2) [ ] [ ] *If the response is **'NO'** give main reason* [ ] *Then go to section 7.3*

***Main Reason (Above)*** *No rains.....1 Rains came too late .....2 Does not plant annual crops .....3 No money 4 Illness/social problems ..5*

7.2.2 For each crop planted during 2002/03 **Long Rainy** season provide the following information

| | | | | Planting | | Inputs | | | | | | | Harvesting & Storage | | | | | Marketing | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Crop Name** | **Crop Code** | **Land Clea -ring** | **Soil prep -arat -ion** | **Planned area (acres)** | **Actual Planted area (acres)** | **% impr -oved seed** | **Irrig -at -ion use** | **Fer -til -iser use** | **Her -bic -ide use** | **Fun -gic -ide use** | **Pest -tic -ide use** | **How harv ested** | **How thres hed** | **Area Harvested (acres)** | **main prod -uct code** | **Quantity harvested (Kgs)** | **Quantity Stored (Kgs)** | **Quantity sold (kgs)** | **mostly sold to** |
| *(1)* | *(2)* | *(3)* | *(4)* | *(5)* | *(6)* | *(7)* | *(8)* | *(9)* | *(10)* | *(11)* | *(12)* | *(13)* | *(14)* | *(15)* | *(16)* | *(17)* | *(18)* | *(19)* | *(20)* |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| ..... | | | | | | | | | | | | | | | | | | | |
| **Total Planned/Planted** | | | | | | | | | | | | **Total area harvested** | | | | | | | |

7.2.3 Main reason for difference between **Area Planned** and **Area Planted** [ ]

7.2.4 Main reason for difference between **Area Planted** and **Area Harvested** [ ]

***Land Clearing (Col 3)***
*Mostly bush clearance ...1*
*Mostly hand slashing .....2*
*Mostly tractor slashing ...3*
*Mostly burning .....4*
*No land clearing .....5*

***Soil preparation Method (Col 4)***
*Mostly tractor ploughing .1*
*Mostly Oxen ploughing ..2*
*Mostly Hand cultivation ..3*

***Improved seed Use (Col 7)***
*all Improved .....1*
*approx 3/4 improved.....2*
*approx 1/2 improved.....3*
*approx 1/4 improved.....4*
*less than 1/4 improved ..5*
*No improved seed used.6*

***Irrigation Use (Col 8)***
*Used on all crop .....1*
*Used on 3/4 crop .....2*
*Used on 1/2 crop .....3*
*Used on 1/4 of crop.....4*
*Used on less than 1/4 ...5*
*Not used .....6*

***Fertiliser codes (Col 9)***
*Mostly Farm Yard Manure 1*
*Mostly Compost .....2*
*Mostly Inorganic fertiliser ..3*
*No fertiliser applied ..... ..4*

***Agrochemical use codes (Col 10,11 &12)***
*Used on all crop .....1*
*Used on 3/4 of crop .....2*
*Used on half of crop.....3*
*Used on 1/4 of crop .....4*
*Used on less than 1/4 .....5*
*Not used .....6*

***Threshed/harvested (Col13 & 14)***
*By hand .....1*
*By draft animal .....2*
*By human powered tool.....3*
*By engine driven machine...4*
*Not applicable .....9*

***Main product (Col 16)***
*Dry Grain.....1*
*Green cob/green pod.....2*
*Green leaves & Stem.....3*
*Straw, dry stems etc .....4*
*Root, tuber, etc .....5*
*Flower eg pyrethrum .....6*
*Fruit/bunch.....7*
*Others .....8*
*Not harvested yet .....9*

***Mostly sold to (Col 20)***
*Neighbour.....01*
*Local market/trade store .....02*
*Secondary Market..03*
*Tertiary Market .....04*
*Marketing Coop ....05*
*Farmer Association06*
*Largescale farm ....07*
*Trader at Farm ....08*
*Contract Partner ...09*
*Did not sell .....10*
*Other .....98*

***Reason for difference between area planned and planted (Q7.2.3)***
*Drought .....1*
*Floods .....2*
*Access to land preparation tools (Draft animal/tractors).3*
*Credit .....4*
*Access to seeds/planting material.....5*
*Access to other inputs .....6*
*Other .....8*
*Not applicable .....9*

***Reason for difference between area planted and harvested (Q7.2.4)***
*Drought .....1*
*Rain/flood damage .....2*
*Fire damage .....3*
*Pest damage .....4*
*Animal damage .....5*
*Theft .....6*
*Illness/social problems .....7*
*Other .....8*
*Not applicable.....9*

**Definitions and working page for page 5**

*Working table for the calculation of area occupied by annual crop in a mixture*

| **Crop mixture 1** | Crop Name | Total area of mix (acre) | Ground area/plant (ACRE) | Total no. of plants | Total ground area of plants (ACRES) |
|---|---|---|---|---|---|
| *(a)* | *(b)* | *(c)* | *(d)* | *(e)* | *(f)* |
| Permanent crop 1 | | | 0.00 | | 0 . |
| Permanent crop 2 | | | 0.00 | | 0 . |
| Permanent crop 3 | | | 0.00 | | 0 . |
| Permanent crop 4 | | | 0.00 | | 0 . |
| | | | Total Area of permanent crops in mix | | 0 . |
| | | | **REMAINING AREA UNDER TEMPORARY CROPS** | | . |
| | | | | Temp crop% | Temp crop area |
| | Permanent/Temporary crop name 1 | | | | . |
| | Permanent/Temporary crop name 2 | | | | . |
| | Permanent/Temporary crop name 3 | | | | . |
| Total area check | . | | Temoporary crop total check | | . |

| **Crop mixture 2** | Crop Name | Total area of mix (acre) | Ground area/plant (ACRE) | Total no. of plants | Total ground area of plants (ACRES) |
|---|---|---|---|---|---|
| *(a)* | *(b)* | *(c)* | *(d)* | *(e)* | *(f)* |
| Permanent crop 1 | | | 0.00 | | 0 . |
| Permanent crop 2 | | | 0.00 | | 0 . |
| Permanent crop 3 | | | 0.00 | | 0 . |
| Permanent crop 4 | | | 0.00 | | 0 . |
| | | | Total Area of permanent crops in mix | | 0 . |
| | | | **REMAINING AREA UNDER TEMPORARY CROPS** | | . |
| | | | | Temp crop% | Temp crop area |
| | Temporary/permanent crop name 1 | | | | . |
| | Temporary/permanent crop name 2 | | | | . |
| | Temporary/permanent crop name 3 | | | | . |
| Total area check | . | | Temoporary crop total check | | . |

**Land Clearing:** Refers to removing trees/bush/grass prior to ploughing
**Soil Preparation:** Refers to the seedbed preparation (ploughing, harrowing, etc)
**Planned Area:** Area in **Acres** the household planned to plant before the season started
**Actual Planted Area:** The area in **Acres** the household was able to plant.
**Area Harvested:** The area in **Acres** that the household got most of its production from. This is the same as the area planted minus the area that was destroyed by major flood/pest/ animal/etc damage

**Temporary/Annual Crop:** Crops which are planted and harvested within a period of 12 months after which time the plants die. Most annual crops are planted and harvested on a seasonal basis.

**Cash Crop Codes:**

| Code | Crop |
|---|---|
| 50 | Cotton |
| 51 | Tobacco |
| 53 | Pyrethrum |
| 62 | Jute |
| 19 | Seaweed |

**Crop Codes (Cereals /tubers/roots):**

| Code | Crop |
|---|---|
| 11 | Maize |
| 12 | Paddy |
| 13 | Sorghum |
| 14 | Bulrush Millet |
| 15 | Finger Millet |
| 16 | Wheat |
| 17 | Barley |
| 22 | Sweet Potatos |
| 23 | Irish potatos |
| 24 | Yams |
| 25 | Cocoyams |
| 26 | Onions |
| 27 | Ginger |

**Vegetable Codes:**

| Code | Crop |
|---|---|
| 27 | Ginger |
| 86 | Cabbage |
| 87 | Tomatoes |
| 88 | Spinach |
| 89 | Carrot |
| 90 | Chillies |
| 91 | Amaranths |
| 92 | Pumpkins |
| 93 | Cucumber |
| 94 | Egg Plant |
| 95 | Water Mellon |
| 96 | Cauliflower |
| 20 | Garlic |

**Crop Codes Legumes Oil & fruit:**

| Code | Crop |
|---|---|
| 31 | Beans |
| 32 | Cowpeas |
| 33 | Green gram |
| 35 | Chick peas |
| 36 | Bambara nuts |
| 37 | Field peas |
| 41 | Sunflower |
| 42 | Simsim |
| 43 | Groundnut |
| 47 | Soyabeans |
| 48 | Caster seed |

**Instructions for calculating the area of mixed crops in a mixture.**

**A.** If the mixed crop is mixed annual only enter the total area of the field in the REMAINING AREA UNDER TEMPORARY CROPS. and goto step 1 of these instructions.

**B.** If the mixed crop is mixed permanent and annual try to get the % occupied by the different crops and calculate the area of annual crops outlined in step 1. Otherwise use the number of trees method to calculate the area of annual crops in the mix (Step C).

**C.** Number of trees method to calculate annual crop areas in a peranent-annual crop mix
(i) list each of the permanent crops in column b and enter the ground area per acre for each permanent crop (from instructions for page 6) in column 'd'.
(ii) obtain the number of permanent trees in the mix from the respondent and enter the number in column 'e'.
(iii) calculate the area occupied by each crop by multiplying column 'd' with column 'e' and sum these to obtain the total area of permanent crops in the mix.
(iv) subtract the total area of permanent crops in the mix from the total area of mix and enter the result in the total area under temporary crops.
(v) proceed to step 1 to calculate the area under each temporary crop.

1. Enter the name of each annual crop in the mix & estimate the percentage of each crop.
2. Using the percentages for each crop calculate the area of each crop from the REMAINING AREA UNDER TEMPORARY CROPS.
3. After completing this exercise for all fields, sum the area of each crop in the mix plus any monocrops and enter totals in section 7.1 col 6.
4. Obtain an estimate of the planned area for each crop and enter it in column 5
5. If the area harvested is different to the area planted estimate the harvest area
6. Once the quantity harvested is obtained calculate the Yield (Metric tonnes/acre) & compare the figure with the norms given in the crop codes box. If it is excessively different check the area and the amount harvested.

## 7.3 PERMANENT/PERENNIAL CROPS AND FRUIT TREE PRODUCTION

7.3.1 Does your household have any **permanent/perennial crops or fruit trees** (Yes=1, No=2) [1]

7.3.2 For each of the **permanent crops and fruit trees** owned by the household provide the following informatior

| | | Size of production unit | | | Inputs | | | | | Harvesting & Storage | | | | | | Marketing | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MONOCROP | MIXED CROP | | | | | | | | | | | | | | |
| Perm -anent Crop Name | Perman -ent crop/ fruit tree crop Code | Area of Plants/ trees/Bushes in MONO CROP (acres) | Area covered by Permanent Crop in a MIXED CROP (acre) | Number of permanent Plants/trees in a MIXED CROP | Irrig -at -ion use | Fert -ilis -er use | Herb -ic -ide use | Fun -gic -ide use | Pest -ici -de use | Area Harvested (acres) | Number of mature plants | main prod -uct code | Quantity harvested (kgs) | If no harvest give re -ason | Quantity Stored (Kgs) | Quantity sold (kgs) | mostly sold to |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |
| …… | | | | | | | | | | | | | | | | | |

***Irrigation Use (Col 6)***
*Used on all crop ……1*
*Used on most crop ……2*
*Used on half crop ……3*
*Used on small amount of crop..4*
*Not used on crop ……5*

***Fertiliser codes (Col 7)***
*Mostly Farm Yard Manure……1*
*Mostly Compost ……2*
*Mostly Inorganic fertiliser …….3*
*No fertiliser applied ……4*

***Agrochemical use codes (Col 8, 9 & 10)***
*Used on all crop ……1*
*Used on 3/4 of crop ……..2*
*Used on 1/2..of crop……..3*
*Used on 1/4 of crop ……..4*
*less than 1/4 of crop …….5*
*Not used ……6*

***Main product (Col 13)***
*Dry Grain……1*
*Green cob/green pod..2*
*Green leaves & Stem..3*
*Straw, dry stems etc ...4*
*Root, tuber, etc ……..5*
*Flower ……..6*
*Fruit/bunch……7*
*Other ……..8*
*Not harvested yet …..9*

***Main Reason for no harvest(Col 15)***
*Crop not harvested yet ……..1*
*Drought ……..2*
*Rain/flood damage ……..3*
*Fire damage ……4*
*Pest damage ……..5*
*Animal damage ……..6*
*Theft ……7*
*Other ……..8*
*Not applicable ……9*

***Mostly sold to (Col 18)***
*Neighbour……01*
*Local market/trade store.....02*
*Secondary Market ……..03*
*Tertiary Market ……..04*
*Marketing Coop ……05*
*Farmer Association ……..06*
*Largescale farm ……..07*
*Trader at farm ……08*
*Contract Partner ……..09*
*Did not sell ……..10*
*Other ……98*

## Definitions and working page for page 6

**Permanent Crop:**
Permanent crops: are sown or planted once and then , they occupy the land for some years and neec not to be replanted after each annual harvest. Permanent crops are mainly trees (e.g., apples) but also bushes and shrubs (e.g., berries), palms (e.g., dates), vines (e.g., grapes), herbaceous stems (e.g., bananas) and stemless plants (e.g., pineapples).

**Total number of plants:**
This includes both mature harvestable plants and immature non harvestable plants.

**Number of mature plants:** This is the number of plants which bared harvest.

**Instructions for Permanent crop mono stands and mixtures**

**A.** For fields that are **monocrop permanent, ONLY** enter the **area of plants in column 3.**

**B.** For fields that are **mixed permanent** calculate the area of each crop based on the **% occupied by each crop method** (NOT using the number of trees method) and **ONLY** enter the area in **column 4**

**C.** For fields that are **mixed permanent/annual** either:
- **ONLY** enter the **area** in **column 4** if the area of the permanent crop was based on the **% occupied by each crop method**

***OR***

- **ONLY** enter the **number** of trees in **column 5** if the number of permanent crop plants was provided

**Permanent crops (oils):**

| Code | Crop | Ground area/plant |
|---|---|---|
| 44 | Palm Oil | 0.00049 |
| 45 | Coconut | 0.00037 |
| 46 | Cashewnut | 0.00062 |

**Permanent (Cash crops)**

| Code | Crop | Ground area/plant |
|---|---|---|
| 53 | Sisal | 0.00012 |
| 54 | Coffee | 0.00049 |
| 55 | Tea | 0.00037 |
| 56 | Cocoa | 0.00049 |
| 57 | Rubber | 0.00099 |
| 58 | Wattle | 0.00099 |
| 59 | Kapok | 0.00124 |
| 60 | Sugar Cane | 0.00012 |
| 61 | Cardamom | 0.00049 |
| 63 | Tamarin | 0.00099 |
| 64 | Cinamon | 0.00124 |
| 65 | Nutmeg | 0.00099 |
| 66 | Clove | 0.00074 |
| 18 | Black Pepper | 0.00037 |
| 34 | Pigeon pea | 0.00025 |
| 21 | Cassava | 0.00019 |
| 75 | Pineapple | 0.00006 |

**Permanent Crops:**

| Code | Crop | Ground area/plant |
|---|---|---|
| 70 | Passion Fruit | 0.00074 |
| 71 | Banana | 0.00037 |
| 72 | Avocado | 0.00099 |
| 73 | Mango | 0.00099 |
| 74 | Papaw | 0.00037 |
| 76 | Orange | 0.00074 |
| 77 | Grapefruit | 0.00074 |
| 78 | Grapes | 0.00012 |
| 79 | Mandarin | 0.00074 |
| 80 | Guava | 0.00074 |
| 81 | Plums | 0.00074 |
| 82 | Apples | 0.00074 |
| 83 | Pears | 0.00074 |
| 84 | Peaches | 0.00074 |
| 85 | Lime/lemon | 0.00074 |
| 68 | Pomelo | 0.00099 |
| 69 | Jack fruit | 0.00074 |
| 97 | Durian | 0.00074 |
| 98 | Bilimbi | 0.00074 |
| 99 | Rambutan | 0.00074 |
| 67 | Bread fruit | 0.00099 |
| 38 | Malay apple | 0.00074 |
| 39 | Star fruit | 0.00074 |

**Working Area/calculation space**

| | |
|---|---|
| 7.4 | Main use of **Secondary Products** |
| 7.5 | Did you use **Secondary Products** from any of your crops during the 2002/03 year. (Yes=1, No=2) ☐ |
| | *If the response is **'NO'** go to section 8.0* |

7.6 List the **main crops** with **secondary products** and provide the following details:

| S/N | Crop name | Crop Code | Secondary product | Prod code | Used for | Unit | Total no of Units | No of units sold | Total value of sold units (Tsh.) |
|---|---|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 7.6.1 | …… | | …… | | | | | | |
| 7.6.2 | …… | | …… | | | | | | |
| 7.6.3 | …… | | …… | | | | | | |
| 7.6.4 | …… | | …… | | | | | | |
| 7.6.5 | …… | | …… | | | | | | |
| 7.6.6 | …… | | …… | | | | | | |

***Main product (Col 4)***
*Green leaves & Stem..1 Flower …4*
*Straw, dry stems etc …2 Fruit ……5*
*Root, tuber, etc ……..3 Other …..8*

***Mainly used for (Col 5)***
*Feeding to livestock ..1 Consumed by hh ……..4*
*Building material ……2 Sold ……5*
*Fuel for cooking ….. 3 Did not use……6*

***Unit (Col 6)***
*Loose Bundle/bunch ……1 kg ……5*
*Compressed bunch/Bail….2 Stems ……..6*
*Tin …….. 3 Sack ……7*
*Bucket ……..4 Other ……8*

## 8.0 AGROPROCESSING AND BY-PRODUCTS

| | |
|---|---|
| 8.1 | Did the household **process** any of the products harvested on the farm during 2002/03 (Yes=1, No=2) ☐ |
| | *If the response is **'NO'** go to section 9.0* |

8.2 List the **main crops processed** and provide the following details:

| S/N | Crop name | Crop Code | Proc-ess-ed | Main Prod-uct code | Used for | Unit | Quantity of main product | Quantity Sold | Whe-re sold | By-Prod-uct code | Used for | Unit | Quantity of by-product | Quan-tity Sold |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| 8.2.1 | ……. | | | | | | | | | | | | | |
| 8.2.2 | ……. | | | | | | | | | | | | | |
| 8.2.3 | ……. | | | | | | | | | | | | | |
| 8.2.4 | ……. | | | | | | | | | | | | | |
| 8.2.5 | ……. | | | | | | | | | | | | | |
| 8.2.6 | ……. | | | | | | | | | | | | | |

***Processed (Col 3)***
*On farm by hand…….1*
*On farm by machine…….2*
*By neighbours machine...3*
*By farmers association …4*
*By Cooperative union …..5*
*By trader ……..6*
*On Large scale farm ……7*
*By factory ……..9*
*Other .....8*

***Main product code (Col 4)***
*Flour/meal……..1*
*Grain……2*
*Oil .. ……3*
*Juice……4*
*Fiber……..5*
*Pulp ……6*
*Sheet ……7*
*Other ……8*

***Used for (Col 5 & 11)***
*Household/human consumption ..1*
*Fuel for cooking ……..2*
*Sale ……3*
*Animal consumption……..4*
*Did not use ……5*
*Other ……..8*

***Unit (Col 6 & 12)***
*Loose bundle/bunch ……1*
*Compressed bunch/bail….2*
*Tin ……3*
*Bucket ……..4*
*kg ……5*
*litre ……..6*
*Other ……..8*

***Where sold (Col 9)***
*Neighbour……1*
*Local market/trade store ……..2*
*Secondary Market …..3*
*Marketing Coop ……4*
*Farmer Association …..5*
*Largescale farm ……6*
*Trader at farm ……7*
*Did not sell ……..9*
*Other ……..8*

***By-product code (Col 10)***
*Bran ……..01*
*Cake ……..02*
*Husk ……..03*
*Juice ……..04*
*Fiber ……..05*
*Pulp ……..06*
*Oil ……..07*
*Shell ……..08*
*Other ……98*

**Definition and working page for page 7**

**Temporary/annual crop codes for section 7.4 col 2**

| Crop Code | Crop Name | Secondary Product Question 7.4 | Agroprocessing & bi-products: Main Products (Section 8.0) | Bi-product (Sect 8.0) 1 | Bi-product (Sect 8.0) 2 |
|---|---|---|---|---|---|
| 11 | Maize | Stems/straw | Flour | Bran | |
| 12 | Paddy | Stems/straw | polished rice grain | husk | |
| 13 | Sorghum | Stems/straw | flour | | |
| 14 | Bulrush Millet | Stems/straw | flour | | |
| 15 | Finger Millet | Stems/straw | flour | | |
| 16 | Wheat | Stems/straw | flour | Bran | |
| 17 | Barley | Stems/straw | flour | Bran | |
| 21 | Cassava | Leaves/stems | flour | | |
| 22 | Sweet Potatoes | Leaves | | | |
| 23 | Irish potatoes | | | | |
| 24 | Yams | | | | |
| 25 | Cocoyams | | | | |
| 26 | Onions | | | | |
| 27 | Ginger | | | | |
| 31 | Beans | straw/stems | | | |
| 32 | Cowpeas | straw | | | |
| 33 | Green gram | straw | | | |
| 34 | Pigeon peas | stems | | | |
| 35 | Chick peas | straw | | | |
| 36 | Bambara nuts | straw/stems | oil | cake | |
| 41 | Sunflower | Stems | oil | Cake | |
| 42 | Simsim | straw | oil | Cake | |
| 43 | Groundnut | straw | oil | Cake | |
| 47 | Soya beans | straw | oil | Cake | |
| 48 | Caster seed | straw | oil | Cake | |
| 75 | Pineapple | | Juice | | |
| 50 | Cotton | straw | fibre/seed | oil | cake |
| 51 | Tobacco | | | | |
| 53 | Pyrethrum | straw | insecticide | | |
| 62 | Jute | | fibre | | |
| 86 | Cabbage | | | | |
| 87 | Tomatoes | | | | |
| 88 | Spinach | | | | |
| 89 | Carrot | | | | |
| 90 | Chillies | | dried powder | | |
| 91 | Amaranths | | | | |
| 92 | Pumpkins | leaves | | | |
| 93 | Cucumber | | | | |
| 94 | Egg Plant | | | | |
| 95 | Water Mellon | | | | |
| 96 | Cauliflower | | | | |
| 44 | Oil Palm | leaves | oil outer | oil inner | cake |
| 45 | Coconut | leaves/husk | milk | | |
| 46 | Cashewnut | Fruit | fruit juice | shell liquid | |
| 52 | Sisal | stems | fibre | oil | |
| 54 | Coffee | stems | beans | husks | |
| 55 | Tea | stems | | | |
| 56 | Cocoa | stems | cocoa | cocoa butter | |
| 57 | Rubber | stems | | | |
| 58 | Wattle | stems | | | |
| 59 | Kapok | stems | | | |
| 60 | Sugar Cane | | sugar/juice | molasses | ethanol |
| 61 | Cardamom | | | | |
| 71 | Banana | leaves/stems | juice | | |
| 72 | Avocado | stems | | | |
| 73 | Mango | stems | Juice | | |
| 74 | Paw paw | | Juice | | |
| 76 | Orange | stems | Juice | | |
| 77 | Grape fruit | stems | Juice | | |
| 78 | Grapes | stems | Juice | | |
| 79 | Mandarin | stems | Juice | | |
| 80 | Guava | stems | | | |
| 81 | Plums | stems | | | |
| 82 | Apples | stems | | | |
| 83 | Pears | stems | | | |
| 84 | Pitches | stems | | | |
| 85 | Lime/Lemon | stems | juice | | |

**General Definition for Section 7.4**

**Secondary Products:** Second most important product from a crop. Eg a household may consider the grain from maize as the primary product and the stems/straw as the secondary product.

**Note: Secondary products are NOT the same as bi-products. By-products are the result of a processing activity and are dealt with in section 8.0.**

**Procedures for Questions**

**Q 7.6 Details of Secondary Products:**

**1.** From the list of crops in Q 7.1.2, 7.2.2 & 7.3.2, ask the respondent if the hh used any secondary products. List the crop names and codes in column 1 and 2 for those crops that the hh used secondary products.
**2.** For the listed crops give details of the secondary products used.
**3.** If no units were sold, enter "0" in columns 8 & 9.

**Q 8.0 Agroprocessing & bi-products:**
**1.** From the list of crops in Q 7.1.2, 7.2.2 & 7.3.2, ask the respondant if the hh processed any of these crops during the 2002/03 agriculture year. List the crop names and codes in column 1 and 2 for those crops that were processed by the hh.
**2.** For the listed crops give details of the secondary crops used.
**3.** If no main product or bi-product was sold enter "0" in columns 8 & 14.
**4.** If no bi-product was produced enter "0" in columns 10, 11, 12, 13 &14.

**Question Specific Definitions**

**Agroprocessing and bi-products (Q 8.2) (Note: Agroprocessing refers to the processing of crops for hh utilisation and for sale)**

**Main Product (Col 5):**
Main Product after processing. Eg for Paddy it may be the polished grain. For Maize it may be flour.
**Bi-Product code (Col 11):** is the secondary residue after processing, eg for rice it may be the husk. for maize it may be the bran.

**Mainly used for (Col 5 & 11):**
- **Consumed by household** can mean eaten or utilised in another way (eg by animals) by the hh.

## 9.0 CROP STORAGE

9.1 Did the household **store** any crops during the 2002/03 agriculture year? (Yes =1, No=2) ☐

*If the response is **'NO'** go to section 10.0*

9.2 For **each** of the listed crops provide the following details on **storage**

| S/N | Crop Name | Stor-ed Y=1 No=2 | Current Quantity Stored (kg) | Method of Storage | Normal duration of storage | Main pur-pose | Estimate Estimate Storage loss |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 9.2.1 | Maize | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.2 | Paddy | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.3 | Sorghum/Millet | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.4 | Beans, peas, etc | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.5 | Wheat | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.6 | Coffee | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.7 | Cashewnut | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.8 | Tobacco | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.9 | Cotton | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |
| 9.2.10 | Groundnuts/bambara | ☐ | ☐☐☐☐ | ☐ | ☐ | ☐ | ☐ |

***Main method of Storage (Col 4)***
*In locally made traditional structure..1*
*In Improved locally made structure .2*
*In modern store .....3*
*In Sacks/open drum.....4*
*In airtight drum .....5*
*Unprotected pile .....6*
*Other .....8*

***Duration of Storage (Col 5)***
*Less than 3 months .....1*
*Between 3 and 6 months .....2*
*Over 6 months .....3*

***Main purpose of storage (Col 6)***
*Food for the household .....1*
*To sell for higher price .....2*
*seed for planting.....3*
*Other .....8*

***Storage loss (Col 67)***
*Little or no loss .....1*
*Up to 1/4 loss .....2*
*Between 1/4and 1/2 loss ..3*
*Over 1/2 loss .....4*

## 10.0 MARKETING

10.1 Did the household **sell any crops** from the 2002/03 agriculture year? (Yes=1, No=2) ☐

*(If the response is 'YES' or 'NO' go to section 10.2)*

10.2 For **each of the following crops** what was the main **marketing problem** faced by the household during 02/03

| | Crop | Main problem |
|---|---|---|
| | (1) | (2) |
| 10.2.1 | Maize | ☐☐ |
| 10.2.2 | Rice | ☐☐ |
| 10.2.3 | Sorghum/millet | ☐☐ |
| 10.2.4 | Wheat | ☐☐ |
| 10.2.5 | Beans, peas etc | ☐☐ |
| 10.2.6 | Cassava | ☐☐ |
| 10.2.7 | Bananas | ☐☐ |
| 10.2.8 | Coffee | ☐☐ |

| | Crop | Main problem |
|---|---|---|
| | (1) | (2) |
| 10.2.9 | Vegetables | ☐☐ |
| 10.2.10 | Tree Fruits | ☐☐ |
| 10.2.11 | Cashewnut | ☐☐ |
| 10.2.12 | Cotton | ☐☐ |
| 10.2.13 | Tobacco | ☐☐ |
| 10.2.14 | Groundnuts/bamabara | ☐☐ |
| 10.2.15 | Trees/timber/poles | ☐☐ |
| 10.2.16 | Fish | ☐☐ |

10.3 From the list of marketing problems below, for all produce rank the five most important problems

| | 1 | 2 |
|---|---|---|
| 10.3.1 | Biggest problem | ☐☐ |
| 10.3.2 | 2nd problem | ☐☐ |
| 10.3.3 | 3rd problem | ☐☐ |
| 10.3.4 | 4th problem | ☐☐ |
| 10.3.5 | 5th problem | ☐☐ |

***Market problems (Q10.2 & 10.3 (Col 2))***
*Open market price too low .....01*
*No transport .....02*
*Transport cost too high .....03*
*No buyer .....04*
*Market too far .....05*
*Farmer association problems .....06*
*Cooperative Problems .....07*
*Trade Union problems .....08*
*Government Regulatory board problems...09*
*Lack of market Information .....10*
*Other (specify) .....98*
*Not Applicable .....99*

10.4 What was the main **reason for not selling** crops during 2002/03 year ..... ☐

***Reason for not selling crops (Q10.4)***
*Price too low .....1*
*Production insufficient to sell.....2*
*Market too far ..... ...3*
*Farmer association problems .....4*
*Cooperative Problems.....5*
*Trade Union problems .....6*
*Government regulatory board problems ....7*
*Other (specify) .....8*
*Not Applicable .....9*

**Definition and working page for page 8**

**Question Specific definitions (Section 9.0)**
**Crop Storage, Section 9**

**Method of Storage (column 4)**

- **Locally made structure:** The structures that have been inherited from their fore fathers

- **Improved locally made structure:** Traditional structures that have been improved using modern technology.

- **Normal duration of storage:** Often there are stored stocks from different seasons and different years. The normal duration refers to the number of months that the most of the crop is stored for.

**Marketing problems Q 10.2 and 10.3 col 2:**

- **Farmer Association:** A village or community based group of farmers who have formed an organisation to purchase inputs/sell/store their products in order to achieve a better price for their products.

- **Cooperative Union:** Large inter-village /community organisation set up on a district/regional or national basis for providing inputs, marketing and storing farmers products.

- **Government Regulatory board:** Government control body for setting prices and controlling quality of certain agriculture commodities.

**Procedures for Questions**

**Q 9.2 Details of Crop Storage:**

**1.** For the crops listed indicate if the household stored any during 2002/03 in column 2.

**2.** Check that the crops correspond to the crop lists in Q 7.1.2, 7.2.2 & 7.3.2. If there is a difference inquire on the reason why. It is possible that a crop was missed during the enumeration of these questions and if so make necessary amendments

**3.** For the listed crops give details of storage.

**Q 10.2 Details on Crop Marketing:**

**1.** For each of the crops listed indicate the main problems in marketing during 2002/03 in column 2.

**2.** Check if the crops correspond to the crop lists list in Q 7.1.2, 7.2.2 & 7.3.2. If there is a difference inquire on the reason why. It is possible that a crop was missed during the enumeration of these questions and if so make necessary amendments

**Q 10.3 Ranking of market problems:**

Rank in order of importance the 5 most important marketing problems from the codes in the Market Problems code box.

**Working Area/calculation space**

## 11.0 ON-FARM INVESTMENT

11.1 Does the household practice **irrigation** (Yes=1, No=2) ☐

*If the response is 'NO' go to section 11.3*

| S/N | Source of Irrigation water | Method of obtaining water | Method of applic -ation | Irrigatable area (acres) | Area of irrig ated land this year (acres) |
|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) |
| 11.1.1 | ☐ | ☐ | ☐ | ☐☐☐.☐ | ☐☐☐.☐ |

***Source of irrigation water (Col 1)***
*River .....1 Borehole .....5*
*Lake .....2 Canal .....6*
*Dam .....3 Tap Water .....7*
*Well .....4*

***Method of obtaining water (Col 2)***
*Gravity .....1 motor pump .....4*
*Hand bucket .....2 Other .....8*
*Hand pump .....3*

***Method of application (Col 3)***
*Flood .....1*
*Sprinkler .....2*
*water hose.....3*
*Bucket/watering can .....4*

11.2 Does the household have any **erosion control/water harvesting facilities** on their land (Yes=1, No=2) ☐

*If the response is **'NO'** go to section 12.0*

| S/N | Type of erosion control/ water harvesting structure | Number of structures | Year of con- struction | | Type of erosion control/ water harvesting structure | Number of structures | Year of con- struction |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | | (1) | (2) | (3) |
| 11.2.1 | Terraces | ☐☐ | ☐☐ | 11.2.5 | Tree belts | ☐☐ | ☐☐ |
| 11.2.2 | Erosion control bunds | ☐☐ | ☐☐ | 11.2.6 | Water harvesting bunds | ☐☐ | ☐☐ |
| 11.2.3 | Gabions/Sandbags | ☐☐ | ☐☐ | 11.2.7 | Drainage ditches | ☐☐ | ☐☐ |
| 11.2.4 | Vetiver Grass | ☐☐ | ☐☐ | 11.2.8 | Dam | ☐☐ | ☐☐ |

## 12.0 ACCESS TO FARM INPUTS AND IMPLEMENTS

12.1 Give details of **farm inputs** used during the 2002/03 agriculture year

| S/N | Input name | Used Yes=1 No=2 | Source | Distance to Source | Source of Fin -ance | Reason for not using | Quality of Input | Plan to use next year Yes =1,No=2 |
|---|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 12.1.1 | Chemical Fertiliser | ☐ | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 12.1.2 | Farm Yard Manure | ☐ | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 12.1.3 | Compost | ☐ | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 12.1.4 | Pesticide/fungicide | ☐ | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 12.1.5 | Herbicide | ☐ | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 12.1.6 | Improved Seeds | ☐ | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ |
| 12.1.7 | Other ..... | ☐ | ☐☐ | ☐ | ☐ | ☐ | ☐ | ☐ |

***Source (Col 3)***
*Cooperative .....01*
*Local farmers group ..... ....02*
*Local market/Trade Store ...03*
*Secondary Market .....04*
*Development project .....05*
*Crop buyers .....06*
*Large scale farm .....07*
*Locally produced by hh .....08*
*Neighbour .....09*
*Other (specify) .....98*
*Not applicable .....99*

***Distance to source (Col 4)***
*Less than 1 Km .....1*
*Between 1 and 3km .....2*
*between 3 and 10 km.. ...3*
*Between 10 and 20 km ...4*
*20km and above .....5*
*not applicable ..... .....9*

***Source of finance (Col 5)***
*Sale of farm products .1*
*Other income generating activities ....2*
*Remittances .....3*
*Bank Loan/Credit.....4*
*produced on farm .....5*
*Other ..... .....8*
*Not applicable .....9*

***Reason for not using (Col 6)***
*Not available ..... ...1*
*Price too high ..... ..... ...2*
*No money to buy .....3*
*Too much labour required..4*
*Do not know how to use.....5*
*Input is of no use .....6*
*Locally produced by hh .....7*
*Other .....8*
*Not applicable .....9*

***Quality of input (Col 7)***
*Excellent .....1*
*Good .....2*
*Average .....3*
*Poor .....4*
*Does not work .5*
*not applicable...9*

## Definition and working page for page 9

### Overview of Investment activities (Section 11.0)

**Investment activities:**

Investment activities refer to medium to long term farm development structures and projects. This can be Irrigation structures, erosion and water harvesting structures or other permanent or semi-permanent investment made on the land that the household owns.

### Question Specific Definitions (Q 11.1)

**Source of irrigation Water (Col 1):** The main source of water from which water is obtained for irrigation.

**Method of obtaining water (Col 2):** The mechanism by which the water is extracted from the source,

**Application Method (Col 3):** How the water is applied on the field.
- Flood - is the application of water down the slope of the land by means of gravity
- Sprinkler - is the application of pressurised water through pipes. The water passes through a device which sprays the water onto the crop from above.

**Irrigatable Area (Col 4):** The area the irrigation system is designed to cover in acres.

**Area of irrigated land this year (Col 5):** Area of land under irrigation during the 2002/03 agric year. This is the physical area and NOT the cumulative area of 2 or more croppings.

**Q 11.1 Irrigation**

**1.** If the hh practices irrigation give details on the main source, main method of obtaining and applying water.

**2.** Cross check column 8, Q 7.1.2, 7.2.2 & 7.3.2 to check if irrigation was used on any crops.

### Question Specific Definitions (Q 11.3)

**Erosion control/water harvesting structure (Col 1)**

**Terraces:** Are structures constructed on the side of a hill to provide a level ground to plant crops. They are often used to trap water for paddy/lowland rice production.

**Erosion Control Bunds:** These are banks of earth/stones built perpendicular to the slope to slow down water and prevent erosion. They are different to Terraces in that the soil behind the banks are not level.

**Gabions:** A gabion is a wire mesh box filled with rocks/stones and used to control or prevent gully erosion

**Sandbags** Used to prevent or control gully erosion

**Tree belts/Wind breaks:** A band of trees planted perpendicular to the prevailing wind whose main purpose is to slow down wind speec

**Water Harvesting bunds:** A bank of earth constructed horizontal to the slope of the land to trap water. They are usually banana shaped.

**Dam:** A bank of earth/material which traps river water to form a catchment of water behind it.

**Q 11.3 erosion control/water harvesting**

**1.** Number of structures refers to the number of working/maintained structures and does not include derelict or irreparable structures.

**2.** Year of construction refers to the year that the structures were first constructed. It is not the year that the structures were last maintained.

**Farm Inputs (Q 12.1.1 to 12.1.7)**

**Farm yard Manure:** An organic fertiliser made on farm composed of animal dung.

**Compost:** An organic fertiliser made on farm from decomposed plant material

**Pesticide:** Chemical used to either protect the plant from or kill insects, birds, molluscs, mites, etc attacking the plant

**Fungicide:** is a chemical that s used to protect the plant from or control a fungal disease.

**Herbicide:** A chemical used to control weeds.

**Q 12.0 Farm Inputs**

**1.** Indicate in column 1 whether each of the inputs are used or not.

**2.** Complete cols 3, 4, 6, and 7 for inputs that are used and place **'9'** in column 5 (for not applicable).

3. Complete cols 5 & 7 for inputs not used.

**NOTE: Cross check column 6, 7, 8 & 9 , Q 7.1.2, 7.2.2 & 7.3.2 to check what inputs were used.**

12.2 Give details of **farm implements and assets** used and owned by the household during 2002/03 agriculture year

| S/N | Equipment/Asset Name | Number: Owned | Number: rent-ed | Used in 2002/03 Yes 1,No=2 | Source of Equip-ment | Source of Fin-ance | Reason for not using | Plan to use next year Yes=1,No=2 |
|---|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| 12.2.1 | Hand Hoe | | | | | | | |
| 12.2.2 | Hand Powered Sprayer | | | | | | | |
| 12.2.3 | Oxen | | | | | | | |
| 12.2.4 | Ox Plough | | | | | | | |
| 12.2.5 | Ox Seed Planter | | | | | | | |
| 12.2.6 | Ox Cart | | | | | | | |
| 12.2.7 | Tractor | | | | | | | |
| 12.2.8 | Tractor Plough | | | | | | | |
| 12.2.9 | Tractor Harrow | | | | | | | |
| 12.2.10 | Shellers/threshers | | | | | | | |

***Source of equipment (Col 5)***
*Neighbour..... ....1 Development project .....5*
*Cooperative .....2 Government .....6*
*Local farmers association.....3 Large scale farm ....7*
*market/Trade store .....4 Other (specify) .....8*

***Source of finance (Col 6)***
*Sale of farm products .....1*
*Other income generating activities .2*
*Remittances .....3*
*Bank Loan .....4*
*Credit .....5*
*Other ..... .....8*
*Not applicable .....9*

***Reason for not using (Col 7)***
*Not available ..... .....1*
*Price too high ..... ..... .....2*
*No money to buy/rent.....3*
*Too much labour required....4*
*Equipment/Asset of no use ...5*
*Other .....8*
*Not applicable .....9*

## 13.0 USE OF CREDIT FOR AGRICULTURE PURPOSES

13.1 During the year 2002/03 did any of the hh members **borrow money** for **agriculture** (Yes = 1, No = 2) ☐
*(if the response is 'NO' go to section 13.3)*

13.2 Give details of the **credit** obtained during the agricultural year **2002/03**
***(if the credit was provided in kind , for example by the provision of inputs, then estimate the value in 13.2.9)***

| | | Source "a" | Source "b" | Source "c" |
|---|---|---|---|---|
| | use codes to indicate source | | | |
| | Provided to Male = 1, Female 2 | | | |
| | | tick the boxes below to indicate the use of the credit | tick the boxes below to indicate the use of the credit | tick the boxes below to indicate the use of credit |
| 13.2.1 | Labour | | | |
| 13.2.2 | Seeds | | | |
| 13.2.3 | Fertilisers | | | |
| 13.2.4 | Agrochemicals | | | |
| 13.2.5 | Tools/equipment | | | |
| 13.2.6 | Irrigation structures | | | |
| 13.2.7 | Livestock | | | |
| 13.2.8 | Other ..... | | | |
| 13.2.9 | **Value of Credit (Tsh.)** | | | |
| 13.2.10 | **Value of repayment (Tsh.)** | | | |
| 13.2.11 | **Period of repayment (months)** | | | |

***Source of credit (Q 13.2-a, b and c))*** *Family, friend or relative....1 Commercial Bank.....2 Cooperative .....3 Savings & credit Soc .....4*
*Trader/trade store .....5 Private individual .....6 Religious Organisation/NGO/Project ...7 Other (Specify).....8*

13.3 If the answer to question 13.1 above is 'NO' what is the reason for not using Credit? ☐

***Reason for not using credit (Q13.3)*** *Not needed ...1 Not available ...2 Did not want to go into debt.....3 Interest rate/cost too high.....4*
*Did not know how to get credit....5 Difficult bureaucratic procedure ...6 Credit granted too late ...7 Other (specify) ...8 Dont know about credit ....9*

## Definition and working page for page 10

### Question Specific Definitions (Q 12.2)

**Farm Implements (Col 1):**

**Hand powered Sprayer:** Knapsack or bicycle pump sprayer

**Reason for not using (Col 6):** Be careful about using "too much labour required" as this code generally refers to hand hoes only. The codes for this should **"NOT"** be read out to the farmer as a prompt.

**Note:** If remittance is given as the main source of finance check for a response to remittances in **question 2.2.5**

### Question Specific Definitions (Q 13.0)

**Section 13.0 Credit for Agriculture Purposes**

Credit is defined as finance in the form of cash or in-kind contributions (eg direct provision of inputs, machinery, livestock or other material) for the purpose of crop and livestock production whereby the value of the credit must be paid back to the borrower. The value of repayment may either be with interest or interest free.

Credit may be paid back in the form of cash or agriculture produce.

**Section 13.0 Credit for Agriculture Purposes**

**Value of credit:** is the amount in cash received from the borrower. If the credit was paid in-kind, estimate the value of this.

**Value of repayment**: This is the amount to be repaid to the borrower and includes the principal amount (value of credit) plus any interest repayment. If the credit is paid back in agriculture produce, then the cash value of this must be estimated.

**Period of repayment:** This is the time **in months** the borrower has given for full repayment.

### Procedures for questions

**Q 12.0 Farm Inputs**

**1.** Indicate in column 2 and 3 whether each of the implements were used or not.

**2.** Complete cols 4, 5, 6, and 8 for inputs that are used and place **'9'** in column 7 (for not applicable).

3. Complete cols 7 & 8 for inputs not used.

**Section 13.2 Source of agriculture credit**

If the farmer obtained credit from more than one source then use the columns "a" , "b" and "c" for the different sources of credit. Start with the main source of credit in column "a".

**NOTE:** Check for use of inputs in column 7, 8 & 9 of questions 7.1.2, 7.2.2 & 7.3.2.

**Working Area/calculation space**

## 14.0 TREE FARMING/AGROFORESTRY

14.1 Did your household have any **Planted Trees** on your land during 2002/03 agric year? (Yes =1, No=2) ☐

*If the response is **'NO'** go to section 14.3*

14.2 Give details of the **planted trees** you have **on your land**.

| S/N | Tree Code | Number of trees | Where planted | Main-in Use | Sec-ond Use | Number of Plank trees Sold | Number of Pole trees Sold | hh utilised Number of Poles | hh utilised Number of Timber | Total Value (Tsh.) |
|---|---|---|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| 14.2.1 | | | | | | | | | | |
| 14.2.2 | | | | | | | | | | |
| 14.2.3 | | | | | | | | | | |
| 14.2.4 | | | | | | | | | | |

***Where Planted (Col 3)***
*Mostly on field/plot boundaries.1*
*Mostly scattered in fields …….2*
*Mostly in plantation/coppice …3*

***Use (Col 4 & 5)***
*Planks/Timber……..1* *Shade ……..…5*
*Poles ……..……2* *Medicinal……..6*
*Charcoal ……3* *Other ……8*
*Fuel wood ……..4*

14.3 Does your village have a **Community tree planting scheme** (Yes=1, No=2) ☐

*If the response is **'NO'** go to section 15.0*

14.4 Household involvement in **community tree planting scheme**

| S/N | Distance to com-munity planted forest (Km) | hh Involve-ment | Main purpose | Main use during 2002/03 |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| | . | | | |

***HH involvement (Col 2)***
*Only planting ……..1*
*Only protection and thinning…….2*
*Only cutting ……..…3*
*Most or all activities……..4*

***Main Purpose (Col 3)***
*Erosion control……..1* *Environment rehaiblitation …4*
*Production of poles …..2* *Restoration of wildlife ……5*
*production of firewood..3* *Other (specify) ……..……8*

***Main Use during 02/03(Col 4)***
*Poles ……1* *Not ready to use ……5*
*Timber logs …..2* *Not allowed to use …6*
*Charcoal ….. ...3* *Other (specify) …….8*
*Firewood ……..4*

## 15.0 CROP EXTENSION SERVICES

15.1 Did your household receive **extension advice** for **crop production** during 2002/03 (Yes=1,No=2) ☐

*If the response is **'NO'** go to section 16.0*

| S/N | Extension Provider | Source of extension (Y=1,N=2) | If you pay for extension, what is the cost/yr | Contact farmer /group member (Yes=1,No=2) | No. of visits by extension agency per year | No. of message adopted in the last 3 years | Quality of Service |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 15.1.1 | Government extension | | | | | | |
| 15.1.2 | NGO/development project | | | | | | |
| 15.1.3 | Cooperative | | | | | | |
| 15.1.4 | Large Scale farmer | | | | | | |
| 15.1.5 | Other…… | | | | | | |

***Quality of service (Col 7)***
*Very good ……..1 good ….……..2 Average……. …3 Poor……4 No Good ……5*

## Definition and working page for page 11

### General Definitions for section 14.0

**Tree Farming/Agroforestry**

This section refers to trees **planted** for wood (firewood, poles, planks, carving, charcoal, medicinal, etc, but **NOT** fruit trees). It does **not** include naturally growing trees on the farm (unless special care has been given to promote their establishment) or trees growing naturally on the communal areas.

**Tree farming** is the planting of trees on an area of land for which the main purpose is the production and regeneration of trees for wood on that land.

**Agroforestry:** is the planting of trees on land for the purpose of complementing other farming activities like crop and animal production. For the purpose of this questionnaire Agroforestry trees are trees planted on boundaries and scattered throughout fields. The main productive unit in this case is Crops and Livestock.

**Section 14.2 Details of planted trees**

**1.** Enter the tree codes of the main species grown by the hh

**2.** If no planks or poles are sold enter a "0" in columns 8, & 9.

**3.** Total value includes both value of hh utilised trees and sold trees.

**4.** If no trees were utilised by the hh or sold enter "0" in column 10

### Question Specific Definitions

**Tree farming (Section 14.0)**

**Pole trees (Col 6):** These are young trees which have a maximum diameter of 6 inches at the bottom and are often used for house construction. They are often the thinning harvest after 3 - 5 years.

**Plank trees (Col 7):** Trees for sawing into timber planks.

**Animal shade:** Trees grown for the purpose of providing shade to animals.

**Community tree planting scheme (Section 14.3)**

**Community Forest:** A forest planted on the communal land which is planted, replanted or spot planted by the members of the village.

**Crop Extension Services (Section 15.1)**

**Contact Farmer:** A farmer who is used by the extension agent as a focal point to demonstrate new interventions. The contact farmer then passes on the message to other farmers

**Group member:** Member of a group under which the contact farmer leads

**Adoption:** This is the uptake of an intervention for 2 or more years

**Section 15.1 Crop Extension Services**

**1.** For each of the extension providers ask if the hh received extension during 2002/2003 agriculture year and indicate in column 2.

**2.** For each of the providers complete the rest of the columns

Tree Name Guide Col 1

| Code | Local Name | Botanical Name | English Name |
|---|---|---|---|
| 01 | | Senna siamea | Cassod tree |
| 02 | Msongoma | Gravellia | Silver oak |
| 03 | Mbarika | Afzelia quanzensis | Pod mahogony |
| 04 | Mkeshia | Acacia spp | Umbrella thorn |
| 05 | Msindano | Pinus spp | Pine |
| 06 | Mkaratusi | Eucalyptus spp | Red River Gum |
| 07 | | Cyprus spp | Cyprus tree |
| 08 | Mtondoo | Calophylum inophyllum | |
| 09 | Mvule | Melicia excelsa | Iroko |
| 10 | Mvinji | Casurina equisetfilia | Whistling oak |
| 11 | Msaji | Tectona grandis | Teak |
| 12 | Mkungu wa kienyeji | Terminalia catapa | Sea almond |
| 13 | Mkungu india | Terminilia ivorensis | Black afara |
| 14 | Muhumula | Maesopsis berchemoides | |
| 15 | | | |

| Code | Local Name | Botanical Name | English Name |
|---|---|---|---|
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |
| 29 | | | |
| 30 | | | |

## 15.2 Crop Extension Messages

| S/N | Extension Message | Received Advice Yes=1 No=2 | Adopted Yes=1 No=2 | Source of Crop Extension |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 15.2.1 | Spacing | | | |
| 15.2.2 | Use of agrochemicals | | | |
| 15.2.3 | Erosion control | | | |
| 15.2.4 | Organic fertiliser use | | | |
| 15.2.5 | Inorganic fertiliser use | | | |
| 15.2.6 | Use of improved seed | | | |
| 15.2.7 | Mechanisation/LST | | | |
| 15.2.8 | Irrigation Technology | | | |

| S/N | Extension Message | Received Advice Yes=1 No=2 | Adopted Yes=1 No=2 | Source of Crop Extension |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 15.2.9 | Crop Storage | | | |
| 15.2.10 | Vermin control | | | |
| 15.2.11 | Agro-processing | | | |
| 15.2.12 | Agro-forestry | | | |
| 15.2.13 | Bee Keeping | | | |
| 15.2.14 | Fish Farming | | | |
| 15.2.15 | Other | | | |

***Source of extension (Col 4)***
*Government .....1 NGO/Dev project ..2 Cooperative ...3 Large scale farmer .....4 Other (Specify) ...8 Not applicable .....9*

## 16.0 LIVELIHOOD CONSTRAINTS

From the list of constraints on the right select:

| 16.1 | the 5 most important problems | | 16.2 | the 5 least important problems | |
|---|---|---|---|---|---|
| | Order of most importance | Constraint | | Order of least importance | Constraint |
| | (1) | (2) | | (1) | (2) |
| 16.1.1 | most important | | 16.2.1 | Least important | |
| 16.1.2 | 2nd most important | | 16.2.2 | 2nd least important | |
| 16.1.3 | 3rd most important | | 16.2.3 | 3rd least important | |
| 16.1.4 | 4th most important | | 16.2.4 | 4th least important | |
| 16.1.5 | 5th most important | | 16.2.5 | 5th least important | |

**List of constraints**

1. Access to Land
2. Ownership of Land
3. Poor farm Inputs
4. Soil Fertility
5. Access to improved seed
6. Irrigation facilities
7. Access to chemical Inputs
8. Cost of Inputs
9. Extension Services
10. Access to forest resources
11. Hunting and Gathering
12. Access to potable water
13. Access to credit
14. Harvesting
15. Threshing
16. Storage
17. Processing
18. Market Information
19. Transport costs
20. Distruction by animals
21. Stealing
22. Pests and Diseases
23. Local government taxation
24. Access to off Farm Income

## 17.0 ANIMAL CONTRIBUTION TO CROP PRODUCTION

17.1 Did you use Draft animals to cultivate your land during 02/03 (Yes=1, No=2) ☐

(If no, go to question 17.2)

| S/N | Type of Draft | Number owned | Number used | Area cultivated (acres) |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 17.1.1 | Oxen | | | . |
| 17.1.2 | Bulls | | | . |
| 17.1.3 | Cows | | | |
| 17.1.4 | Donkeys | | | . |

17.2 Did you apply organic fertiliser during 02/03 (Yes=1, No=2) ☐

(If no, go to question 18)

| S/N | Type of organ Fertiliser | Area applied (acres) |
|---|---|---|
| | (1) | (2) |
| 17.2.1 | FYM | . |
| 17.2.2 | Compost | . |

**Definitions and working page for page 12**

**Question Specific Definitions**

**Crop Extension Advice (Section 15.2)**

**Mechanisation/LST: LST** means Labour Saving Technology

**Section 16.0 Livelihood constraints**

**16.1 List the five most important problems in order of most importance:**

**1.** Read out the list of constraints to the respondent and ask him to select the ones that are a problem. Place a ✓ against the constraints that are a problem.

**2.** Read the selected constraints and ask the farmer to select 5 which create the largest problems

**3.** Ask the farmer to list these in order of importance and enter in column 2

**16.2 List the five least important problems in order of least importance:**

**1.** Read out the list of constraints to the respondent and ask him to select the ones that are **NOT** a problem. Place an ✗ against the constraints that are **NOT** a problem.

**2.** Read the selected constraints and ask the farmer to select 5 which create the least problems

**3.** Ask the farmer to list these in order of least importance and enter in column 2

## 18.0 CATTLE POPULATION, INTAKE AND OFFTAKE

18.1 Did the household own, raise or manage any **CATTLE** during 2002/03 agriculture year? (Yes =1 No =2) ☐

(If **no** go to section 19.0)

**18.2 Cattle Population** as of 1st October 2003

| S/N | Cattle type | Number of Indigenous | Number of Improved: Beef | Number of Improved: Dairy | Total |
|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) |
| 18.2.1 | Bulls | | | | |
| 18.2.2 | Cows | | | | |
| 18.2.3 | Steers | | | | |
| 18.2.4 | Heifers | | | | |
| 18.2.5 | Male Calves | | | | |
| 18.2.6 | Female Calves | | | | |

**Grand Total** ☐

18.3 **Cattle Intake** during 2002/2003

| S/N | Number Purchased | Number given /obtained | Number Born | Total Intake of Cattle | Average Value per head |
|---|---|---|---|---|---|
| | (6) | (7) | (8) | (9) | (10) |
| 18.3.1 | | | X X X | | |
| 18.3.2 | | | X X X | | |
| 18.3.3 | | | X X X | | |
| 18.3.4 | | | X X X | | |
| 18.3.5 | | | | | |
| 18.3.6 | | | | | |

**Total Intake** ☐

18.4 **Cattle Offtake** during 2002/2003

| S/N | Cattle type | Number Sold/traded | Number consumed by hh | Number given away/stolen | Number died | Total Cattle Offtake | Average value per head |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 18.4.1 | Bulls | | | | | | |
| 18.4.2 | Cows | | | | | | |
| 18.4.3 | Steers | | | | | | |
| 18.4.4 | Heifers | | | | | | |
| 18.4.5 | Male Calves | | | | | | |
| 18.4.6 | Female Calves | | | | | | |

**Total Offtake** ☐

18.5 **Cattle diseases**

| S/N | Disease/ parasite | Number Infected | Number Treated | No. Recovered | Number Died | Last vaccinated | Main Source |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 18.5.1 | Tick Borne diseases | | | | | | |
| 18.5.2 | CBPP | | | | | | |
| 18.5.3 | Trypanosomiasis | | | | | X | X |
| 18.5.4 | Lumpy Skin Disease | | | | | | |
| 18.5.5 | Helmenthioitis | | | | | X | X |
| 18.5.6 | FMD | | | | | | |

***Last Vaccinated (Col 6)***

*2003 ……1 2000 ……....4*
*2002 ……....2 before 2000 ……5*
*2001 ……....3 Not Vaccinated...6*

***Main Source of vaccine (Col 7)***

*Private Vet Clinic ..1 Other ……..….8*
*District Vet Clinic ..2 Not applicable ….9*
*NGO/Project…....3*

18.6 **Milk Production**

| S/N | Season | Litres of milk/day | No. of cattle milked/day | Value/litre | Sold to | Sold/day (Litres) |
|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| 18.6.1 | Wet Season | | | | | |
| 18.6.2 | Dry Season | | | | | |

***Sold to Q18.6 Col 5)***

*Neighbour…….....1 Largescale farm ..5*
*Local Market……....2 Trader at Farm ...6*
*Secondary Market ...3 Did not sell .....7*
*Processing industry .4 Other ……....8*

**Definitions and working page for page 13**

**General definitions for page 13**

**Cattle Intake during 2002/03:** Cattle purchased, given or born which increases the number of cattle in the herd.

**Cattle Offtake during 2002/03:**
Cattle removed from the herd, either by selling, hh consumption, given away or stolen.

**Question Specific Definitions (Section 18.0)**

**Cattle type (Q 18.2 & 18.4, Col 1)**

**Bull:** Mature **Uncastrated** male cattle used for breeding

**Cow:** Mature female cattle that has given birth at least once

**Steer:** Castrated male cattle over 1 year

**Heifer:** Female cattle of 1 year up to the first calving

**Calves:** Young cattle under 1 year of age

**Average Value per Head (Q 18.3, (Col 7 & 9) & 18.4 (Col 3, 5 & 7))**

In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.

**Cattle vaccination (18.5 col 1)**

**ECF:** East Coast Fever

**FMD:** Foot and Mouth Disease

**CBPP:** Contagious Bovine Pleura Pneumonia

**Section 18.0 Cattle Population, Intake & Offtake.**

**NOTE: Section 18.1 is for the current population (as of 1st October 2003);**
**Section 18.2 and 18.3 is for movement in and out of the herd during the 2002/03 agriculture year.**
**Section 18.4 is for diseases encountered during the agriculture year.**

**1.** If the household has cows, you would normally expect them to have calves in column 8

**2.** If calves are reported in column 2, 3, or 4 (18.2.6, 18.2.5) then there must be at least that number repeated in column 8

**Note: If the farmer reports sales of cattle the importance of this must be reflected in Q 2.2.3**

**Section 18.5 If cattle are reported to have died in Column 5 then at least that number should be reported in 18.4 col 4**

**Working area for page 13**

## 19.0 GOAT POPULATION, INTAKE AND OFFTAKE

19.1 Did the household own, raise or manage any **GOATS** during the 2002/03 agriculture year? (Yes =1 No =2) ☐
(If no go to section 20.0)

**19.2 Goat Population** as of 1st October 2003

| S/N | Goat type | Number of Indigenous | Number of Improved for meat | Number of Improved Dairy | Total |
|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) |
| 19.2.1 | Billy Goat | | | | |
| 19.2.2 | Castrated Goat | | | | |
| 19.2.3 | She Goat | | | | |
| 19.2.4 | Male Kid | | | | |
| 19.2.5 | She Kid | | | | |
| | | | | **Grand Total** | |

19.3 **Goat Intake** during 2002/2003

| S/N | Number Purchased | Number given /obtained | Number Born | Total Intake of Goats | Average Value per head |
|---|---|---|---|---|---|
| | (6) | (7) | (8) | (9) | (10) |
| 19.3.1 | | | X X X | | |
| 19.3.2 | | | X X X | | |
| 19.3.3 | | | X X X | | |
| 19.3.4 | | | | | |
| 19.3.5 | | | | | |
| | | | **Total Intake** | | |

19.4 **Goat Offtake** during 2002/2003

| S/N | Goat type | Number Sold/traded | Number consumed by hh | Number given away/stolen | Number died | Total Goat Offtake | Average value per head |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 19.4.1 | Male goat | | | | | | |
| 19.4.2 | Castrated Goat | | | | | | |
| 19.4.3 | She Goat | | | | | | |
| 19.4.4 | Male Kid | | | | | | |
| 19.4.5 | She Kid | | | | | | |
| | | | | | | **Total Offtake** | |

19.5 **Goat diseases**

| S/N | Disease/ parasite | Number Infected | Number Treated | No. Rec-overed | Number Died | Last vaccinated | Main Source |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 19.5.1 | Foot Rot | | | | | X | X |
| 19.5.2 | CC PP | | | | | | |
| 19.5.3 | Helminthiosis | | | | | X | X |
| 19.5.4 | Tetanus | | | | | | |
| 19.5.5 | Mange | | | | | X | X |

19.6 **Milk Production**

| S/N | Season | Litres of milk/day | No. of Goats milked/day | Value/litre | Sold to | Sold/day (Litres) |
|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| 19.6.1 | Wet Season | | | | | |
| 19.6.2 | Dry Season | | | | | |

***Sold to Q19.6 Col 5)***
*Neighbour……..1 Largescale farm ..5*
*Local Market……..2 Trader at Farm ...6*
*Secondary Market ...3 Did not sell .....7*
*Processing industry .4 Other ……..8*

***Last Vaccinated (Col 6)***
*2003 ……1 2000 ……..4*
*2002 ……..2 before 2000 ……5*
*2001 ……..3 Not Vaccinated...6*

***Main Source of vaccine (Col 7)***
*Private Vet Clinic ..1 Other ……..8*
*District Vet Clinic ..2 Not applicable ….9*
*NGO/Project…….3*

**Definitions and working page for page 14**

**Goat definitions for page 14**

**Goat Intake during 2002/03:** Goat purchased, given or born which increases the number of goats in the herd.

**Goat Offtake during 2002/03:**
Goat removed from the herd, either by selling, hh consumption, given away or stolen.

**Question Specific Definitions (Section 19.0)**

**Goat type (Q 19.2 & 19.4, Col 1)**

**Billy Goat (he-goat):** Mature **Uncastrated** male goat used for breeding

**Castrated goat:** Male goat that has been castrated.

**She Goat:** Mature female goat over 9 months of age

**Kid:** Young goat under 9 months of age.

**Average Value per Head (Q 19.3, (Col 7 & 9) & 19.4 (Col 3, 5 & 7))**

In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.

**Goat vaccination (19.5 col 1)**

**FMD:** Foot and Mouth Disease

**CCPP:** Contagious Caprine Pleura Pneumonia

**LSD:** Lumpy Skin Disease

**Section 19.0 Goat Population, Intake & Offtake.**

**NOTE: Section 19.1 is for the current population (as of 1st October 2003);**
**Section 19.2 and 18.3 is for movement in and out of the herd during the 2002/03 agriculture year.**
**Section 19.4 is for diseases encountered during the agriculture year.**

**1.** If the household has she goats, you would normally expect them to have kids in column 8

**2.** If kids are reported in column 2, 3, or 4 (19.2.6, 19.2.5) then there must be at least that number repeated in column 8

**Note: If the farmer reports sales of goats the importance of this must be reflected in Q 2.2.3**

**Section 19.5 If goats are reported to have died in Column 5 then at least that number should be reported in 19.4 col 4**

**Working area for page 14**

## 20.0 SHEEP POPULATION, INTAKE AND OFFTAKE

20.1 Did the household own, raise or manage any **SHEEP** during the 2002/03 agriculture year? (Yes =1 No =2) ☐

(If no go to section 21.0)

20.2 **Sheep Population** as of 1st October 2003

| S/N | Sheep type | Number of Indigenous | Number of Improved for Mutton | Number of Improved Dairy | Total |
|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) |
| 20.2.1 | Ram | | | X X X | |
| 20.2.2 | Castrated Sheep | | | X X X | |
| 20.2.3 | She Sheep | | | X X X | |
| 20.2.4 | Male lamb | | | X X X | |
| 20.2.5 | She lamb | | | X X X | |
| | | | | **Grand Total** | |

20.3 **Sheep Intake** during 2002/2003

| S/N | Number Purchased | Number given /obtained | Number Born | Total Intake of Sheep | Average Value per head |
|---|---|---|---|---|---|
| | (6) | (7) | (8) | (9) | (10) |
| 20.3.1 | | | X X X | | |
| 20.3.2 | | | X X X | | |
| 20.3.3 | | | X X X | | |
| 20.3.4 | | | | | |
| 20.3.5 | | | | | |

20.4 **Sheep Offtake** during 2002/2003

| S/N | Sheep type | Number Sold/traded | Number consumed by hh | Number given away/stolen | Number died | Total Sheep Offtake | Average value per head |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 20.4.1 | Ram | | | | | | |
| 20.4.2 | Castrated Sheep | | | | | | |
| 20.4.3 | She Sheep | | | | | | |
| 20.4.4 | Male lamb | | | | | | |
| 20.4.5 | She lamb | | | | | | |
| | | | | | **Total Offtake** | | |

20.5 **Sheep diseases**

| S/N | Disease/ parasite | Number Infected | Number Treated | No. Rec-overed | Number Died | Last vaccinated | Main Source |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 20.5.1 | Foot Rot | | | | | X | X |
| 20.5.2 | CC PP | | | | | | |
| 20.5.3 | Helminthiosis | | | | | X | X |
| 20.5.4 | Trypanosomiasis | | | | | | |
| 20.5.5 | FMD | | | | | | |

***Last Vaccinated (Col 6)***

*2003 ……1 2000 ……....4*
*2002 ……....2 before 2000 …...5*
*2001 ……....3 Not Vaccinated...6*

***Main Source of vaccine (Col 7)***

*Private Vet Clinic ..1 Other ……..…..8*
*District Vet Clinic ..2 Not applicable ….9*
*NGO/Project…....3*

**Definitions and working page for page 15**

**Sheep definitions for page 15**

**Sheep Intake during 2002/03:** Sheep purchased, given or born which increases the number of Sheep in the herd.

**Sheep Offtake during 2002/03:**
Sheep removed from the herd, either by selling, hh consumption, given away or stolen.

**Question Specific Definitions (Section 20.0)**

**Sheep type (Q 20.2 & 20.4, Col 1)**

**Ram:** Mature **Uncastrated** male goat used for breeding

**Castrated sheep:** Male sheep that has been castrated.

**Ewe:** Mature female sheep over 9 months of age

**Lamb:** Young sheep under 9 months of age.

**Average Value per Head (Q 20.3, (Col 7 & 9) & 20.4 (Col 3, 5 & 7))**

In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.

**Sheep vaccination (20.5 col 1)**

**FMD:** Foot and Mouth Disease

**CCPP:** Contagious Caprine Pleura Pneumonia

**Section 20.0 Sheep Population, Intake & Offtake.**

**NOTE: Section 20.1 is for the current population (as of 1st October 2003);**
**Section 20.2 and 20.3 is for movement in and out of the herd during the 2002/03 agriculture year.**
**Section 20.4 is for diseases encountered during the agriculture year.**

**1.** If the household has ewes, you would normally expect them to have kids in column 8

**2.** If lambs are reported in column 2, 3, or 4 (20.2.6, 20.2.5) then there must be at least that number repeated in column 8

**Note: If the farmer reports sales of Sheep the importance of this must be reflected in Q 2.2.3**

**Section 20.5 If Sheep are reported to have died in Column 5 then at least that number should be reported in 20.4 col 4**

**Working area for page 15**

## 21.0 PIG POPULATION AND PRODUCTION

21.1 Did the household own, raise or manage any **PIGS** during the 2002/03 agriculture year (Yes =1 No =2) ☐
(If no go to section 22.0)

21.2 **PIG Population** as of 1 st October 2003

| S/N | Pig type | Number |
|---|---|---|
| | (1) | (2) |
| 21.2.1 | Boar | |
| 21.2.2 | Castrated male | |
| 21.2.3 | Sow/Gilt | |
| 21.2.4 | Male piglet | |
| 21.2.5 | She piglet | |
| | **Grand Total** | |

21.3 **Pig increase** during 2002/2003

| S/N | Number Purchased | Number given /obtained | Number Born | Total Pig Increase | Average Value per head |
|---|---|---|---|---|---|
| | (3) | (4) | (5) | (9) | (10) |
| 21.3.1 | | | X X X | | |
| 21.3.2 | | | X X X | | |
| 21.3.3 | | | X X X | | |
| 21.3.4 | | | | | |
| 21.3.5 | | | | | |

21.4 **Pig decrease** during 2002/2003

| S/N | Pig type | Number Sold/traded | Number con sumed by hh | Number given away/stolen | Number died | Total Pig Offtake | Average value per head |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 21.4.1 | Boar | | | | | | |
| 21.4.2 | Castrated male | | | | | | |
| 21.4.3 | Sow/Gilt | | | | | | |
| 21.4.4 | Male piglet | | | | | | |
| 21.4.5 | She piglet | | | | | | |
| | | | | | | **Total Offtake** | |

21.5 **Pig diseases/pests/conditions**

| S/N | Disease/ parasite | Number Infected | Number Treated | No. Rec -overed | Number Died | Last vacci nated | Main Sou -rce |
|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| 21.5.1 | Anthrax | | | | | | |
| 21.5.2 | ASF | | | | | | |
| 21.5.3 | Anemia | | | | | X | X |
| 21.5.4 | Helmenthiosis | | | | | X | X |

## 22.0 LIVESTOCK PEST & PARASITE CONTROL

22.1 Did you **deworm** your animals during 2002/03 (Yes=1, No-2) ☐
*(If the response is 'NO' go to section 22.3)*

22.2 Which animals did you **deworm**? (Tick appropriate boxes)
Cattle ☐ Goats ☐ Sheep ☐ Pigs ☐

22.3 Do you normally encounter a **tick** problem (Yes=1,No-2) ☐
*(If the response is 'NO' go to section 22.5)*

22.4 Which methods of tick control did you use ☐
***Control method (Q 22.4)*** *None..1 Spraying ..2 Dipping..3 Smearing ..4 Other.8*

22.5 Do you normally encounter a **tsetse fly** problem (Y=1,N=2) ☐
*(If the response is **'NO'** go to section 23.0)*

22.6 Which methods of control did you use ☐
***Control method (Q22.6)*** *None .1 Spray .2 Dipping .3 Trapping .4 Other .8*

***Last Vaccinated (Col 6)***
*2003 ..1 2000 ……..4*
*2002 ..2 before 2000 ….5*
*2001 ..3 Not Vaccinated.6*

***Main Source (Col 7)***
*Private Vet Clinic ..1*
*District Vet Clinic ..2*
*NGO/Project……..3*
*Other ……..…..8*
*Not applicable ……9*

**Definitions and working page for page 16**

**Pigs definitions for page 16**

**Pig Intake during 2002/03:** Pigs purchased, given or born which increases the number of Pigs in the production unit.

**Pig Offtake during 2002/03:**
Pigs removed from the production unit, either by selling, hh consumption, given away or stolen.

**Question Specific Definitions (Section 21.0)**

**Pigs type (Q 21.2 & 21.4, Col 1)**

**Boar:** Mature **Uncastrated** male pig used for breeding

**Castrated Pig:** Male pig that has been castrated.

**Sow:** Mature female pig that has given birth to at least one litter of pigs.

**Gilt:** Female pig of 9 months up to the first farrowing.

**Piglet:** Young pig under 3 months of age.

**Average Value per Head (Q 21.3, (Col 7 & 9) & 21.4 (Col 3, 5 & 7))**

In these columns give the average value per head during 2002/03. For given, traded, consumed by the hh & given away/stolen estimate the value.

**Pig vaccination (21.5 col 1)**

**ASF:** African Swine Fever

**Section 21.0 Pig Population, Intake & Offtake.**

**NOTE: Section 21.1 is for the current population (as of 1st October 2003);**
**Section 21.2 and 21.3 is for movement in and out of the herd during the 2002/03 agriculture year.**
**Section 21.4 is for diseases encountered during the agriculture year.**

**1.** If the household has sows, you would normally expect them to have piglets in column 8

**2.** If piglets are reported in column 2, 3, or 4 (20.2.6, 20.2.5) then there must be at least that number repeated in column 8

**Note: If the farmer reports sales of Pigs the importance of this must be reflected in Q 2.2.3**

**Section 20.5 If Pigs are reported to have died in Column 5 then at least that number should be reported in 20.4 col 4**

**Working area for page 16**

| 23.0 | **Other Livestock** currently available and details of consumption and sales during the last 12 months | | | | | |
|---|---|---|---|---|---|---|
| | **Animal type** | **Current Number** | **Sold during 2002/03** | | **Consumed during 2002/03** | |
| | | | **Number** | **Average Value/head** | **Number** | **Average Value/head** |
| | | *(1)* | *(2)* | *(3)* | *(4)* | *(5)* |
| 23.1 | Indigenous Chicken | | | | | |
| 23.2 | Layer | | | | | |
| 23.3 | Broiler | | | | | |
| 23.4 | Ducks | | | | | |
| 23.5 | Turkeys | | | | | |
| 23.6 | Rabbits | | | | | |
| 23.7 | Donkeys | | | | | |
| 23.8 | Horses | | | | X X X | X X X X X |
| 23.9 | Other …… | | | | | |

| 24.0 | **CHICKEN DISEASES** | **Number infected** | **Number Treated** | **Number Died** | **Number Recovered** |
|---|---|---|---|---|---|
| 24.1 | Newcastle Disease | | | | |
| 24.2 | Gumboro | | | | |
| 24.3 | Coccidiosis | | | | |
| 24.4 | Chorysa | | | | |
| 24.5 | Fowl typhoid | | | | |

| 25.0 | **LIVESTOCK PRODUCTS** | **Sold during 2002/03** | | **Consumed/utilised during 2002/03** | |
|---|---|---|---|---|---|
| | | **Number** | **Average Value/unit** | **Number** | **Average Value/unit** |
| 25.1 | Eggs | | X | | |
| 25.2 | Hides | | | | |
| 25.3 | Skins | | | | |

**26.0** List in order of importance the **outlets for the sale** of Livestock

| S/N | **Impo-rtan-ce of outlet** | **Outlets for Cattle** | **Out-lets for Goat** | **Outlets for Sheep** | **Outl-ets for Pigs** | **Outlets for Chick-ens** |
|---|---|---|---|---|---|---|
| | *(1)* | *(2)* | *(3)* | *(4)* | *(5)* | *(6)* |
| 26.1 | 1st | | | | | |
| 26.2 | 2nd | | | | | |
| 26.3 | 3rd | | | | | |
| 26.4 | 4th | | | | | |
| 26.5 | 5th | | | | | |

***Outlet code (Col 2, 3, 4 & 5)***

*Trader at farm……..1* *Abattoir/factory……5*
*Local Market …….. ……..…2* *Another farmer ……6*
*Secondary market/auction……3* *Other (Specify)……8*
*Neighbour ……..4*

***Source of structure (Q27.0 - Col 2)***

*Owns ……..1* *NGO ……..…6*
*Cooperative .....……..2* *Large scale farm ……..…7*
*Local farmers association …... 3* *Other ..... ……...8*
*Gov extension/veterinary …….4* *Not applicable …….....9*
*Development project ……. …..5*

**27.0** Access to **functional Livestock structures /accessories**

| S/N | **Type of structure/accessory** | **Source of Structure** | **Distance to struct-ure (Km)** |
|---|---|---|---|
| | *(1)* | *(2)* | *(3)* |
| 27.1 | Cattle Dip | | . |
| 27.2 | Spray Race | | . |
| 27.3 | Hand powered sprayer | | . |
| 27.4 | Cattle crush | | . |
| 27.5 | Primary Market | | . |
| 27.6 | Secondary Market | | . |
| 27.7 | Abattoir | | . |
| 27.8 | Slaughter Slab | | . |
| 27.9 | Hide/skin shed | | . |
| 27.10 | Input supply | | . |
| 27.11 | Veterinary Clinic | | . |
| 27.12 | Village holding ground | | . |
| 27.13 | village watering point/dam | | . |
| 27.14 | Drencher | | . |

## Definition and working page for page 17

**Question Specific Definitions Section 26.0)**

**Question Specific Definitions Section 27.0)**

**Access to functional Livestock Structures/accessories (Section 27.0):**

**NOTE: The structures must be functional. If they are not working/derelict then they should not be included. The distance to the next nearest functional structure should be taken.**

**Spray Race:** A fixed spray structure on an animal race for spraying acaricide

**Cattle crush:** Corridor structure for restraining cattle.

**Abattoir:** Large building designed for slaughtering a large amount of animals. It normally has complex structures to assist in the slaughter and storage and a high level of hygiene is maintained.

**Slaughter Slab:** Concrete slab designed fos slaughtering a small amount of animals

**Hides:** obtained from Cattle

**Skins:** Obtained from sheep and goats

**Hide/Skin Shed:** Shed for curing/tanning animal skins and hides

**Village holding Pen:** Enclosure for containing large amount of livestock which is owned communally.

**Drencher:** Device for orally administering medicine to livestock.
If no product was sold in 2002 enter "0" in columns 6, 7& 9.

**Procedures for questions**

**Section 23.0 - Other Livestock:**

**1.** The current number includes both adult and young animals. For example The number of chickens in col 1 would include adults and chicks.

**Section 26.0 - Outlets for livestock:**

Using the codes enter the outlets for the sale of different livestock in order of importance. If there are, for example, only 2 outlets mark the rest with a "X".

## 28.0 FISH FARMING

28.1 Was **Fish farming** carried out by this household during 2002/2003? (Yes =1, No=2) ☐ *(If the response is **'NO'** go to section 29.0)*

28.2 Specify details of **fish farming practices**

| S/N | Production unit number | Fish farming system | Size of unit/pond (m2) | Source of fing-erling | frequency of stocking (No/year) | Number of stocked fish: Tilapia | Number of stocked fish: Carp | Number of stocked fish: Other | Number of fish harvested | weight of fish harvested | weight of fish sold | Mainly sold to |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| 28.1.1 | 1 | | | | | | | | | | | |
| 28.1.2 | 2 | | | | | | | | | | | |
| 28.1.3 | 3 | | | | | | | | | | | |

***Farming System (Col 2)***
*Natural Pond. ..1 Natural Lake…..3 Other …..8*
*Dug out pond...2 Water resevoir..4*

***Source of fingerlings (Col 4)***
*Own pond ……1 NGO/Project...3 P rivate trader ...5*
*Government Institution ..2 Neighbour …..4 Other……8*

***Mainly sold to (Col 12)***
*Neighbour……....1 Secondary Market.....3 Largescale farm .....5 Did not sell .....7*
*Local Market…....2 Processing industry ....4 Trader at Farm .....6 Other .....8*

## 29.0 LIVESTOCK EXTENSION

29.1 Did you receive **livestock extension advice** during 02/03 (Yes=1,No=2) ☐ *(If the response is **'NO'** go to section 30.0)*

| S/N | Livestock Extension Message | Received Advice Yes=1,No=2 | Adopted Yes=1 No=2 | Source of Livestock Extension |
|---|---|---|---|---|
| | (1) | (2) | (3) | (4) |
| 29.1.1 | Feed and Proper feeding | | | |
| 29.1.2 | Housing (Goat, Dairy, Poultry, Pigs) | | | |
| 29.1.3 | Proper Milking | | | |
| 29.1.4 | Milk Hygiene | | | |
| 29.1.5 | Disease control (dipping/spraying) | | | |
| 29.1.6 | Herd/Flock size and selection | | | |
| 29.1.7 | Pasture Establishment | | | |
| 29.1.8 | Group formation and strengthening | | | |
| 29.1.9 | Calf rearing | | | |
| 29.1.10 | Use of improved bulls | | | |
| 29.1.11 | Other livestock extension | | | |

***Source of livestock extension (Col 4)***
*Government …..1 NGO/Dev project ..2 Cooperative …3 Large scale farmer …..4 Other (Specify) ….8*

29.2 For the following **Livestock Extension Service Providers** give details

| S/N | Extension Provider | If you pay for extension, what is the cost/yr | Contact far-mer/group member (Y=1,N=2) | No. of visits by extension agency/year | No. of mess-ages adopted in the last 3 yrs | Quality of Service |
|---|---|---|---|---|---|---|
| | (1) | (2) | (3) | (4) | (5) | (6) |
| 29.2.1 | Government | | | | | |
| 29.2.2 | NGO/dev project | | | | | |
| 29.2.3 | Cooperative | | | | | |
| 29.2.4 | Large Scale farmer | | | | | |
| 29.2.5 | Other…… | | | | | |

***Quality of service (Col 6)*** *Very good ...1 good ….2 Average…3 Poor…4 No Good ...5*

## 30.0 GOVERNMENT REGULATORY PROBLEMS

31.1 Did you face problems with government regulations during 2002/03 (Y=1, N=2) ☐

(If the response is no go to section 31.0)

List in order of importance

| | | Problem code |
|---|---|---|
| 30.1.1 | 1st | |
| 30.1.2 | 2nd | |
| 30.1.3 | 3rd | |

***Problem code***
*Land ownership by government …….1*
*Restriction of sale between regions ..2*
*Import of food items ……3*
*Other (specify)……..8*

## Definitions and working page for page 18

### General definitions for Section 28.0

**Fish farming:** Refers to the rearing/production of fish. It is different to fishing in that the fish have to be reared and fed in fish farming. Fishing traps or captures naturally occurring fish in rivers, lakes and the sea and should not be included in this section.

### Question Specific Definitions (Section 28.2)

**Production unit number (Col 1):** A production unit is a pond river/lake which is treated as a separate entity for the production of fish eg it may be by virtue of manageable size, maturity of fish, type of fish etc. Eg a farmer may have 3 fish ponds. (each one is a separate production unit).

**Frequency of stocking (Col 5):** What is the number of times the farmer puts new fingerlings into the pond each year.

**Fingerlings:** These are young immature fish used for stocking ponds.

**Sold: (Col 10 & 11)**

If no fish were sold enter "0" in column 10 and 11)

**Livestock Extension Services (Section 29.1)**

**Adopted (Col 3):** This is the uptake of an intervention for 2 or more years

**Livestock Extension Service providers (Section 29.2)**

**Contact Farmer:** A farmer who is used by the extension services as a focal point to demonstrate new interventions to. The contact farmer then passes on the message to other farmers

**Adopted (Col 5):** This is the uptake of an intervention for 2 or more years

**Working area for page 18**

| 31.0 | LABOUR USE | | |
|---|---|---|---|
| 31.1 | Who is **mainly responsible** for undertaking the following tasks: | | |
| S/N | **Activity** | **Tick if carried out by hh** | **Main responsibility** |
| | *(1)* | *(2)* | *(3)* |
| 31.1.1 | Land **Clearing** | | |
| 31.1.2 | Soil **preparation (by hand)** | | |
| 31.1.3 | Soil **preparation (oxen/trac** | | |
| 31.1.4 | **Planting** | | |
| 31.1.5 | **Weeding** | | |
| 31.1.6 | **Crop Protection** | | |
| 31.1.7 | **Harvesting** | | |
| 31.1.8 | Crop **processing** | | |
| 31.1.9 | Crop **marketing** | | |
| 31.1.10 | Cattle **rearing/husbandry** | | |
| 31.1.11 | Cattle **herding** | | |
| 31.1.12 | Cattle **marketing** | | |
| 31.1.13 | Goat/sheep **rearing/husband** | | |
| 31.1.14 | Goat and sheep **herding** | | |
| 31.1.15 | Goat and sheep **marketing** | | |
| 31.1.16 | **Milking** | | |
| 31.1.17 | Pig **rearing/husbandry** | | |
| 31.1.18 | Poultry **keeping** | | |
| 31.1.19 | Collecting **Water** | | |
| 31.1.20 | Collecting **Firewood** | | |
| 31.1.21 | **Pole** cutting | | |
| 31.1.22 | **Timber** wood cutting | | |
| 31.1.23 | **Building/maintaining** house | | |
| 31.1.24 | Making **Beer** | | |
| 31.1.25 | **Bee** keeping | | |
| 31.1.26 | **Fishing** | | |
| 31.1.27 | **Fish farming** | | |
| 31.1.28 | **Off-farm income** generation | | |

***Responsibility (Col 3)***

*HH head alone ….1 Girls …….. …..6*
*Adult Males ……..2 Boys & Girls ……..…..7*
*Adult Females…..3 All household members……8*
*Adults..…… 4 Hired labour ……..9*
*boys …….. 5*

***Satisfied with service (Col 4)***

*Very good ……..1 Average…….3 No good ……5*
*Good ……..2 Poor ……..4 Not applicable 9*

| 32.0 | SUBSISTENCE vs NON-SUBSISTENCE | | | | |
|---|---|---|---|---|---|
| 32.1 | Indicate if any members of the household was involved in the following activities and assess the **percentage used for subsistence/consumption** by the household: | | | | |
| S/N | Activity | **Tick if hh was involved in activit** | **Estimate % used for subsistance** | **Estimate % used for no subsistence** | **Check Total** |
| | *(1)* | *(2)* | *(3)* | *(4)* | *(5)* |
| 32.1.1 | **Crop** production | | | | 1 0 0 |
| 32.1.2 | **Livestock** production | | | | 1 0 0 |
| 32.1.3 | **Vegetable** production | | | | 1 0 0 |
| 32.1.4 | Tree cutting for **firewood** | | | | 1 0 0 |
| 32.1.5 | Tree logging for **poles** | | | | 1 0 0 |
| 32.1.6 | Tree logging for **timber** | | | | 1 0 0 |
| 32.1.7 | Tree logging for **charcoal** | | | | 1 0 0 |
| 32.1.8 | **fishing** | | | | 1 0 0 |
| 32.1.9 | **bee** keeping | | | | 1 0 0 |
| 32.1.10 | **permanent employment/off farm** | | | | 1 0 0 |
| 32.1.11 | **temporary employment/off farm** | | | | 1 0 0 |
| 32.1.12 | **Remittances** | | | | 1 0 0 |

| 33.0 | ACCESS TO INFRASTRUCTURE & OTHER SERVICES | | | | |
|---|---|---|---|---|---|
| S/N | Type of service | **Distance in Km** | S/N | Type of service | **Distance in Km** |
| | *(1)* | *(2)* | | *(1)* | *(2)* |
| 33.1 | **Primary** School | . | 32.7 | **Feeder** Road | . |
| 33.2 | **Secondary** School | . | 32.8 | **All weather** road | . |
| 33.3 | Health **Clinic** | . | 32.9 | **Tarmac** road | . |
| 33.4 | **Hospital** | . | 32.10 | **Primary** market | . |
| 33.5 | **District** Capital | . | 32.11 | **Secondary** mark | . |
| 33.6 | **Regional** Capital | . | 32.12 | **Tertiary** market | . |

| S/N | Type of service | **Distance in Km** | **No of visits/year** | **Satisfied with service** |
|---|---|---|---|---|
| | *(1)* | *(2)* | *(3)* | *(4)* |
| 33.13 | **Vet** Clinic | . | | |
| 33.14 | **Extension** Centre | . | | |
| 33.15 | **Research** Station | . | | |
| 33.16 | **Plant protection** Lab | . | | |
| 33.17 | **Land registration** offic | . | | |
| 33.18 | **Livestock Dev** Centre | . | | |

## Definition and working page for page 19

### Question specific definitions (Section 31.1)

**Activity (Col 1):**

**Land Clearing:** Refers to removing trees/bush/grass prior to ploughing

**Soil Preparation:** Refers to the seedbed preparation (ploughing, harrowing, etc).

**Cattle Rearing:** Tending to cattle at home, eg assisting with births, castration,etc. Different livestock keeping activity to herding.

**Cattle Herding:** Moving livestock from place to place for grazing and water. If herding is carried out the respondent must also give a response to rearing/husbandry

### Question Specific Definitions (Section 32.0.0)

**Activity (Col 1):**

**Subsistence:** For the family's survival, rather than for the generation of cash. This includes feeding the hh, provision of water and fuel for cooking. The source of these products are usually from the land resources available to the family. Remember that not all cash earnings are for non subsistence purposes/activities as cash can be used to purchase subsistence items eg food.

**Non -subsistence:** Cash used for items and activities which are not crucial for the survival of the family. This includes modern medication, non working clothes, refined beer, school fees, etc.

### Procedures for (Section 31.1)

**Section 31.1 ((Labour use)**

**1.** For each listed activity in column 1, place a tick in column 2 if any member of the household was involved in that activity during the 2002/03 agriculture year.

**2.** After completing column 2 return to the first activity in row 27.1.1 and complete column 3.

**3.** Make sure you stress MAINLY responsible.

**NOTE: If an activity has been mentioned previously in the questionnaire eg that the hh keeps chickens, make sure a response is obtained in the appropriate place ie poultry keeping.**

**If off-farm income generation is mentioned, check for responses to off farm income in other parts of the questionnaire**

**Section 32.0 - Subsistence vs Non-subsistence**

**1.** For each listed activity in column 1, place a tick in column 2 if any member of the household was involved in that activity during the 2002/03 agriculture year.

**2.** After completing column 2 return to the first activity in row 32.1.1 and complete column 3 & 4. For each activity make an assessment of the percentage used for subsistence survival and the percent converted to cash for non subsistence goods and items.

**3.** Make sure you stress MAINLY responsible.

**NOTE: Cross check the responses with previous sections in the questionnaire. eg if a response is given to remittances check for an entry in question 2.2.5**

## 34.0 HOUSEHOLD FACILITIES

### 34.1 House Construction

For the **main dwelling**, what are the **main building materials used** in the construction of the following

34.1.1: Roof ☐ 34.1.2 Number of rooms ☐☐

***Roof Material***
*Iron Sheets.....1*
*Tiles .....2*
*Concrete .....3*
*Asbestos .....4*
*Grass/leaves.....5*
*Grass & mud.....6*
*Other (Specify) 8*

### 34.2 Household **assets**

Does your household **own** the following?

| | Asset | Y=1 N=2 |
|---|---|---|
| 34.2. | Radio/cassette, music system) | ☐ |
| 34.2. | Telephone (landline) | ☐ |
| 34.2. | Telephone (mobile) | ☐ |
| 34.2. | Iron | ☐ |
| 34.2. | Wheelbarrow | ☐ |
| 34.2. | Bicycle | ☐ |
| 34.2. | Vehicle | ☐ |
| 34.2. | Television | ☐ |

### 34.3 **Energy use** by the Household

Energy use and access by the household

Main Source of energy for

34.3.1 Lighting ☐☐ **34.3.2** Cooking ☐☐

***Lighting energy***
*Mains electricity.....01*
*Solar .....02*
*Gas (biogas) .....03*
*Hurricane Lamp .....04*
*Pressure Lamp .....05*
*Wick Lamp .....06*
*Candles .....07*
*Firewood .....08*
*Other (specify) ..... 98*

***Cooking energy***
*Mains electricity.....01*
*Solar .....02*
*Gas (hh biogas) .....03*
*Bottled gas .....04*
*Paraffin/kerocine.....05*
*Charcoal.....06*
*Firewood .....07*
*Crop Residues .....08*
*Livestock dung .....09*
*Other (specify) .....98*

### 34.4 Access to **drinking water**

| | Season | Main sou -rce of drinking water | Distance to source (in km) | Time to and from source (Hour : minute) |
|---|---|---|---|---|
| | *(1)* | *(2)* | *(3)* | *(4)* |
| 34.4. | Wet Season | ☐☐ | ☐☐.☐ | ☐☐:☐☐ |
| 34.4. | Dry Season | ☐☐ | ☐☐.☐ | ☐☐:☐☐ |

***Main Source of drinking water***
*Piped water .....01*
*Protected well .....02*
*Protected/covered spring .....03*
*Unprotected Well .....04*
*Unprotected spring .....05*
*Surface water (lake/dam/river/stream)06*
*Covered rainwater catchment ...07*
*Uncovered rainwater catchment 08*
*Water Vendor .....09*
*Tanker truck .....10*
*Bottled water .....11*
*Other (Specify) .....98*

### 34.5 Access to **toilet facilities**

34.5.1 What **type of toilet** does your hh use ☐

***Type of toilet***
*No toilet/bush.....1*
*Flush toilet .....2*
*Pit latrine - traditional ..3*
*Improved pit latrine - hh owned.....4*
*Other type (specify) .....5*

### 34.6 **Food consumption** patterns

| | | |
|---|---|---|
| 34.6. | **Number of meals** the hh normally has per day | ☐ |
| 34.6. | **Number of days** hh consumed **meat** last w | ☐ |
| 34.6. | How often did the hh have **problems in satisfying the food needs** of the hh last year? | ☐ |

***Problems satisfying hh food needs (row 34.6.3)***
*Never .....1*
*Seldom .....2*
*Sometimes .....3*
*Often .....4*
*Always .....5*

### 34.7 Source of Household **income**

34.7.1 What is the households **main source of cash income**? ☐☐

***Source of Income codes***
*Sale of food crops .....01*
*Sale of Livestock.....02*
*Sale of livestock products ...03*
*Sale of cash crops.....04*
*Sale of forest products .....05*
*Business income.....06*
*Wages or salaries in cash .....07*
*Other casual cash earnings ..08*
*Cash remittances .....09*
*Fishing .....10*
*Other .....98*
*Not applicable .....99*

## Definition and working page for page 20

**Household facilities (Section 34):**

**Number of rooms used for sleeping in the household (Q 34.1)**

Include sitting room, dining room, kitchen, etc if used for sleeping. It also includes rooms outside the main dwelling

A room is defined as a space which is separate from the rest of the building by a permanent wall or division. A building/house that is not divided into rooms is considered to have one room.

**Household assets (Q 34.2):** these assets must be functioning. Do not include if broken.

**Access to drinking water (Q 34.4):** If there is more than one source, use the one, which the hh uses most frequently.

**Main source of hh cash income:**

Activity that provides the hh with the most cash during 2002/03 agriculture year.

**Average/maximum yields**

**Use this table to compare the yields calculated in sections 7.1, 7.2, and 7.3. They are STRICTLY to be used as guidelines only and the sole purpose is to assist in getting the correct area and harvest for each crop**

| | Crop Name | kg/ha | | kg/acre | |
|---|---|---|---|---|---|
| | | Average | Max | Average | Max |
| 11 | Maize | 1200 | 6250 | 486 | 2530 |
| 12 | Paddy | 700 | 4000 | 283 | 1619 |
| 13 | Sorghum | 750 | 3500 | 304 | 1417 |
| 14 | Bulrush Millet | 350 | 3000 | 142 | 1215 |
| 15 | Finger Millet | 300 | 2500 | 121 | 1012 |
| 16 | Wheat | 1200 | 4500 | 486 | 1822 |
| 17 | Barley | 1400 | 2300 | 567 | 931 |
| 21 | Cassava | 3000 | 7000 | 1215 | 2834 |
| 22 | Sweet Potato | 600 | 8000 | 243 | 3239 |
| 23 | Irish potatoes | 750 | 8500 | 304 | 3441 |
| 24 | Yams | 4000 | 10000 | 1619 | 4049 |
| 25 | Cocoyams | 2500 | 5000 | 1012 | 2024 |
| 26 | Onions | | | 0 | 0 |
| 27 | Ginger | | | 0 | 0 |
| 31 | Beans | 400 | 1300 | 162 | 526 |
| 32 | Cowpeas | 300 | 1750 | 121 | 709 |
| 33 | Green gram | | | 0 | 0 |
| 34 | Pigeon pea | 600 | 2000 | 243 | 810 |
| 35 | Chick peas | 500 | 1500 | 202 | 607 |
| 36 | Bambara nut | 600 | 4000 | 243 | 1619 |
| 41 | Sunflower | 600 | 1700 | 243 | 688 |
| 42 | Simsim | 300 | 1000 | 121 | 405 |
| 43 | Groundnut | 600 | 4000 | 243 | 1619 |
| 47 | Soyabeans | 1300 | 2500 | 526 | 1012 |
| 48 | Caster seed | 300 | 750 | 121 | 304 |
| 75 | Pineapple | 25000 | 60000 | 10121 | 24291 |
| 50 | Cotton | 300 | 1500 | 121 | 607 |
| 51 | Tobacco | 500 | 2000 | 202 | 810 |
| 53 | Pyrethrum | | | 0 | 0 |
| 62 | Jute | 800 | 3500 | 324 | 1417 |
| 44 | Palm Oil | 1200 | 5000 | 486 | 2024 |
| 45 | Coconut | 2000 | 8000 | 810 | 3239 |
| 46 | Cashewnut | 9 | 60/tree | 4 | 24 |

| | Crop Name | kg/ha | | kg/acre | |
|---|---|---|---|---|---|
| | | Average | Max | Average | Max |
| 86 | Cabbage | | | 0 | 0 |
| 87 | Tomatoes | | | 0 | 0 |
| 88 | Spinach | | | 0 | 0 |
| 89 | Carrot | | | 0 | 0 |
| 90 | Chillies | | | 0 | 0 |
| 91 | Amaranths | | | 0 | 0 |
| 92 | Pumpkins | | | 0 | 0 |
| 93 | Cucumber | | | 0 | 0 |
| 94 | Egg Plant | | | 0 | 0 |
| 95 | Water Mellon | | | 0 | 0 |
| 96 | Cauliflower | | | 0 | 0 |
| 52 | Sisal | 800 | 25000 | 324 | 10121 |
| 54 | Coffee | 500 | 100 | 202 | 40 |
| 55 | Tea | 2500 | 10000 | 1012 | 4049 |
| 56 | Cacao | 200 | 1000 | 81 | 405 |
| 57 | Rubber | 400 | 1400 | 162 | 567 |
| 58 | Wattle | | | 0 | 0 |
| 59 | Kapok | | | 0 | 0 |
| 60 | Sugar Cane | 60000 | 150000 | 24291 | 60729 |
| 61 | Cardamom | | | 0 | 0 |
| 71 | Banana | 10000 | 50000 | 4049 | 20243 |
| 72 | Avocado | | | 0 | 0 |
| 73 | Mangoes | 10000 | 25000 | 4049 | 10121 |
| 74 | Papaw | 50000 | 70000 | 20243 | 28340 |
| 76 | Orange | 20000 | 40000 | 8097 | 16194 |
| 77 | Grape fruit | 30000 | 50000 | 12146 | 20243 |
| 78 | Grapes | 5000 | 30000 | 2024 | 12146 |
| 79 | Mandarin/tange | 20000 | 40000 | 8097 | 16194 |
| 80 | Guava | 7000 | 35000 | 2834 | 14170 |
| 81 | Plums | | | 0 | 0 |
| 82 | Apples | | | 0 | 0 |
| 83 | Pears | | | 0 | 0 |
| 84 | Pitches | | | 0 | 0 |

**Back Page Reference material**

This page contains reference information that may be required to complete some of the questions in the questionnaire.

**Weights and measures**

| | | |
|---|---|---|
| 1 hectare | = 10,000 sq metres | (100 x 100 metres) |
| 1 kilometre | = 1000 metres | |
| 1 acre | = 4840 square yards | (110 x 44 yards) |

**Conversions**

| | |
|---|---|
| 1 hectare | = 2.47 acres |
| 1 mile | = 1.61 Kilometres |

**Kg equivalents**

The following standards may be used as a guide to obtain kg if the reported unit is different. Only use these conversions if the respondent is unable to provide weights in kgs.

| | Crop | Number of Kgs | | | |
|---|---|---|---|---|---|
| | | Standard | | Non-standard | |
| | Name | Bag | Tin | Name | kgs |
| 11 | Maize | 100 | 18 | Rumbesi | 140 |
| 12 | Paddy | 75 | 15 | | |
| 13 | Sorghum | 100 | 18 | | |
| 14 | Bulrush Millet | 100 | 18 | | |
| 15 | Finger Millet | 120 | 20 | | |
| 16 | Wheat | 75 | 15 | | |
| 17 | Barley | 75 | 15 | | |
| 21 | Cassava | 60 | 12 | | |
| 22 | Sweet Potatoe | 80 | 16 | | |
| 23 | Irish potatoes | 80 | 16 | | |
| 24 | Yams | 80 | 16 | | |
| 25 | Cocoyams | 80 | 16 | | |
| 26 | Onions | 80 | 16 | | |
| 27 | Ginger | 75 | 15 | | |
| 31 | Beans | 100 | 20 | | |
| 32 | Cowpeas | 100 | 20 | | |
| 33 | Green ram | 100 | 20 | | |
| 34 | Pigeon pea | 100 | 20 | | |
| 35 | Chick peas | 100 | 20 | | |
| 36 | Bambara nut | 100 | 20 | | |
| 41 | Sunflower | 60 | 12 | | |
| 42 | Simsim | 100 | 20 | | |
| 43 | Groundnut | 50 | 10 | | |
| 47 | Soyabeans | 100 | 20 | | |
| 48 | Caster seed | 100 | 20 | | |
| 75 | Pineapple | 90 | 18 | | |
| 50 | Cotton | 50 | 10 | | |
| 51 | Tobacco | 70 | 14 | | |
| 53 | Pyrethrum | 60 | 12 | | |
| 62 | Jute | 50 | 10 | | |
| 44 | Palm Oil | 100 | | | |
| 45 | Coconut | 75 | | | |
| 46 | Cashewnut | 80 | | | |

| | Crop | Number of Kgs | | | |
|---|---|---|---|---|---|
| | | Standard | | Non-standard | |
| | Name | Bag | Tin | Name | kgs |
| 86 | Cabbage | 50 | | | |
| 87 | Tomatoes | 90 | | | |
| 88 | Spinach | 45 | | | |
| 89 | Carrot | 110 | | | |
| 90 | Chillies | 85 | | | |
| 91 | Amaranths | 50 | | | |
| 92 | Pumpkins | 60 | | | |
| 93 | Cucumber | 80 | | | |
| 94 | Egg Plant | 70 | | | |
| 95 | Water Mellon | 80 | | | |
| 96 | Cauliflower | 50 | | | |
| 52 | Sisal | 130 | | | |
| 54 | Coffee | 55 | | | |
| 55 | Tea | 60 | | | |
| 56 | Cacao | 60 | | | |
| 57 | Rubber | | | | |
| 58 | Wattle | 90 | | | |
| 59 | Kapok | | | | |
| 60 | Sugar Cane | 120 | | | |
| 61 | Cardamom | 100 | | | |
| 71 | Banana | 120 | | | |
| 72 | Avocado | 140 | | | |
| 73 | Mangoes | 130 | | | |
| 74 | Papaw | 100 | | | |
| 76 | Orange | 130 | | | |
| 77 | Grape fruit | 120 | | | |
| 78 | Grapes | 80 | | | |
| 79 | Mandarin/tange | 110 | | | |
| 80 | Guava | 110 | | | |
| 81 | Plums | 110 | | | |
| 82 | Apples | 110 | | | |
| 83 | Pears | 110 | | | |
| 84 | Pitches | 110 | | | |

**For official use only:**

If a question has a query, an indication will be made by the supervisor/data entry controller on the front page of the questionnaire. This space is to note what and where the problem is, the action required to be taken and the responsible person to take follow up action.

**Nature of the problem:**

_____

_____

_____

**Action Required:** National supervisor action ☐ Field supervisor action ☐

**Overall Status:** Does not affect overall integrity of the questionnaire. ☐ Discard and resample ☐

More data is required before it can be used ☐ Discard as missing data ☐

# Appendix V

## Community Level Questionnaire

# United Republic of Tanzania

# Village/community Level formats

- **Access to and use of Communal resources**
- **Farm Gate Prices of commodities produced by the village**

# Agriculture Sample Census

# 2002/2003

| | | | | | |
|---|---|---|---|---|---|
| Region | ..... | | Ward | ..... | |
| District | ..... | | Village | ..... | |

**Enumerator** Name ..... signature .....

Date Enumerated d d / m m / y y

| | Hour | Minutes |
|---|---|---|
| Start time | | |
| End time | | |

**Field level checking by:**

District Supervisor: Name ..... signature ..... Date ..../..../....

Regional Supervisor: Name ..... signature ..... Date ..../..../....

National Supervisor: Name ..... signature ..... Date ..../..../....

*To be completed by the supervisor **ONLY** after field/farm level checking of the enumeration process. This should be countersigned by the enumerator.*

**District checking in Office:**

District Supervisor Name ..... signature ..... Date ..../..../....

*All questionnaires must be checked at the district office.*

**For Use at National Level only:**

Data Entered by Name ..... signature ..... Date ..../..../....

Queried Name ..... signature ..... Date ..../..../....

*See back page for details of query*

Executed by the Ministry of Agriculture & Food Security, Ministry of Water & Livestock Development,
Ministry of Cooperatives and Marketing
and
National Bureau of Statistics

## Average Seasonal Farm Gate Price Form

Use key informants to provide answers to the following questions. Key informants can be the village chairman, village extension officer or knowledgable member of community. Where possible ask these questions to a group in order to reach a concensus.

**Procedure:** Administer this form after completing all smallholder questionnaires for the village.

1. Copy the names of all crops from section 7.1, 7.2, & 7.3 in the smallholder questionaire to column 1 of this form.
2. Obtain an estimate of price per kg of these products under column 5, 6, 7 and 8.

| Crop name | Crop Code | Product name | Product code | Price per kg | | | |
|---|---|---|---|---|---|---|---|
| | | | | End of Vuli | End of Masika | Annual Minimum | Annual Maximum |
| *(1)* | *(2)* | *(3)* | *(4)* | *(5)* | *(6)* | *(7)* | *(8)* |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

***Main product (Col 15)***

*Dry Grain……..…1*
*Green cob ……....2*
*Green leaves & Stem..3*
*Straw, dry stems etc ...4*
*Root, tuber, etc ……...5*
*Flower eg pyrethrum ..6*
*Vegetables ……..…7*
*Fruit ……..8*
*Other (Specify)…….9*

## Definition and working page for page 1

**Question Specific Definitions**

Use key informants to provide answers to the questions in this booklet questions. Key informants can be the village chairman, village extension officer or knowledgable member of community. Where possible ask these questions to a group in order to reach a concensus.

**Question Specific Definitions:**

**Access to Communal Resources - Section 1.0**
**Communal Resources: R**esources in which the hh members have no individual claim to and which are shared by all the village.
**Area of Communal Land:** Official area demarcated by the village as shared/public land
**Area of Squatting Farmers:** area of official communal land on which individual hhs make sole claim to (eg for crop farming or fenced livestock etc)
**Remaining available:** Official area of communal land minus area of squatting farmers

**Community tree planting scheme**

**Community Forest:** A forest planted on the communal land which is planted, replanted or spot planted by the members of the village.

**Plantation Planting:** An area designated by the village for planting a block of trees.

**Spot Planted:** Replanting an area where selective logging has been carried out. A tree is planted to replace the one that has been cut.

**Indigenous Trees:** Trees that are native to Tanzania

**Exotic Trees:** Trees that are not native to Tanzania

**Non Government Organisation:** is managed by people from outside the village and it normally covers more than one village/District/Region. Its function is to provide development assistance to the farmer and is free from direct government links.

V**illage level organisation:** is managed by members of the village. Its purpose is normally to access/provide development assistance to the village.

## 1 ACCESS TO COMMUNAL RESOURCES

1.1 Does the village have an area set asside for commnal resources eg forest, grazing, etc (Yes =1 No =2) ☐

*(If the response is no go to 1.2)*

| | | Area in Acres | |
|---|---|---|---|
| 1.1 | **Area** of Village Communal resource | | |
| 1.1.1 | **Total** Area of **communal** land | | Official figure from community leader |
| 1.1.2 | Area of **squatting farmers** on communal land | | Key respondent (leader/extension/etc) |
| 1.1.3 | **Remaining** available as communal resource | | Key respondent (leader/extension/etc) |

## 1.2 ACCESS AND USE OF COMMUNAL RESOURCES

| | Communal Resource | Distance to resource (km) dry season | Distance to resource (km) wet season | Main hh use |
|---|---|---|---|---|
| | *(1)* | *(2)* | *(3)* | *(4)* |
| 1.2.1 | Water for **humans** | | | |
| 1.2.2 | Water for **livestock** | | | |
| 1.2.3 | Communal **Grazing** | | | |
| 1.2.4 | Communal **Firewood** | | | |
| 1.2.5 | Wood for **Charcoal** | | | |
| 1.2.6 | **Building** poles | | | |
| 1.2.7 | Forest for **bees (honey)** | | | |
| 1.2.8 | **Hunting(animal products)** | | | |
| 1.2.9 | **Fishing (Fish)** | | | |

**Instructions for distance to resource (Col 2 and 3):**
Distance is from the centre of the village.

If under 1km, write 0
If above 1km round to whole numbers
eg 1.5km= 2km, 1.25km= 1km

***Main use (Col 4)***
*Home or farm Consumption/utilisation…1*
*Sold to trader at the village.....…..2*
*Sold to village market …….....…...3*
*Sold to local wholesale market.....4*
*Sold to major wholesale market .....5*
*Not available .....6*

## 2.0 COMMUNITY PLANTED TREES

2.1 Does your village have a **Community tree planting scheme** (Yes=1, No=2) ☐

*If the response is **'NO'** go to section 14.0*

**Details** of the **community tree planting scheme**

| S/N | Distance to com -munity planted forest (Km) | Area of Community Forest (acr) | Type of planting | Type of trees | Source of seeds/ seedlings | Number of years since planting started | Main use during 2002/03 | Main use of community forest revenue |
|---|---|---|---|---|---|---|---|---|
| | *(1)* | *(2)* | *(3)* | *(4)* | *(5)* | *(6)* | *(7)* | *(8)* |
| 2.2 | . | | | | | | | |

***Type of planting (Col 3)***
*Plantation planting…….1*
*Spot planting ……..……..2*

***Type of tree (Col 4)***
*Indigenous……..1*
*exotic ……..……..……..2*
*both ……..3*

***Source of Seedlings (Col 5)***
*Seeds collected and directly planted by village…..……..1*
*Village Nursery ……..2*
*Department of forestry ……..3*
*Private nursery ……..……..4*

***Main Uses (Col 7)***
*Poles ……..…1*
*Timber logs ……..…2*
*Charcoal ….. ……...3*
*Firewood ……...4*
*Other Specify ……..8*

***Main use of revenue (Col8)***
*Village development fund.1*
*household consumption...2*
*Household Income ……..3*

## 3.0 Non Government Organisation (NGO) Contact

3.1 Did an NGO visit the village during the year(Y=1,N=2) ☐

*(If no go to Section 4)*

| S/N | Type of NGO | Visited Y=1, N=2 | Number of visits | Distance to Office (km) |
|---|---|---|---|---|
| | Extension/Research NGO | | | |
| | Service/input provision NGO | | | |
| | Community development NGO | | | |
| | Other NGO | | | |

## 4.0 Community Based Organisation (CBO)

4.1 Does the village have CBOs (Y=1, N=2) ☐

| S/N | Type of NGO | In village Y=1, N=2 |
|---|---|---|
| | Extension/Research CBO | |
| | Service/input provision CBO | |
| | Community development CBO | |
| | Other CBO | |

5.1 Did the village have any on-farm trials (y=1,n=2) ☐

5.2 Has there been an research prioritisation exercise (Y=1, N=2) ☐