REPUBLIC OF KENYA

KNBS
KENYA NATIONAL BUREAU OF STATISTICS
Keeping you informed

2024_25 KENYA

Census of Agriculture

2024 PILOT SURVEY

2.

Kenya Census of Agriculture

2024 Pilot Survey

3.

Providing, managing and promoting quality statistical services through utilization of best practices for evidence-based decision making

Published by:
Kenya National Bureau of Statistics
Real Towers, Hospital Road, Upper Hill
P.O. Box 30266 - 00100
Nairobi, Kenya

Tel: +254-20-3317583,+254-20-2911000/1,
+254-20-3317612/22/23/51
Email: info@knbs.or.ke/ ibrary@knbs.or.ke
directorgeneral@knbs.or.ke
Facebook: Kenya Stats
X: @KNBStats
Website: www.knbs.or.ke

© 2024 Kenya National Bureau of Statistics

Published 2024

Some rights reserved.
This work is made available under the Attribution-Noncommercial 4.0 International (CC BY-NC 4.0) available at https:/creativecommons.org/licenses/by-nc/4.0/ This license allows reusers to distribute, remix, adapt, and build upon the material in any medium or format for noncommercial purposes only so long as the work is appropriately cited and attribution is given to the creator.

Users wishing to reuse material from this work attributed to a third party such as tables, figures or images are responsible for determining whether permission is needed for that reuse and for obtaining permission from the copyright holder. The risk of claims resulting from infringement of any third party owned component in the work rests solely with the user.

Any copyright use requests relating to this publication should be addressed to the Director General, Kenya National Bureau of Statistics. Subscription correspondence may be addressed directly to the Head of Library Services through the email addresses provided.

Image source: Istock © 2024 accessed via www. Istockphoto.com

Recommended citation: KNBS 2024. Kenya Census of Agriculture Pilot Report For 2024/2025.
Nairobi, Kenya.

Table of Contents

List of Tables 7

List of Abbreviations 8

Foreward 9

CHAPTER 1: INTRODUCTION 11

1.1 Background 11

1.2 The KCA - Pilot Study 12

1.3 Objectives of the KCA Pilot Study 13

CHAPTER 2: SURVEY METHODOLOGY 15

2.1. Survey Scope and Coverage 15

2.2. Sample Selection 15

2.3. Listing Exercise 16

2.4 Large, Institutional and Commercial Frams 16

2.5. Survey Instruments 18

CHAPTER 3: PILOT SURVEY IMPLEMENTATION 21

3.1 Survey Personnel 21

3.2 Training of the Pilot Survey Personnel 22

3.3 EA Identification and map use 22

3.4 Data Collection 23

3.5 Data Quality Control 24

3.6 Findings 25

CHAPTER 4: LOGISTICS 29

4.1 Communication 29

4.2 Extension Officers Roles 29

4.3 Coordination of NGAOs 29

4.4 Transport 29

4.5 Budget 29

4.6 Access to Households and Institutions 29

CHAPTER 5: CHALLENGES, RECOMMENDATIONS, LESSONS LEARNED AND RESOLUTIONS 31

5.1 Challenges and Recommendations 31

5.2 Lessons learned and resolutions 32

APPENDICES 33

Appendix 1: Household Questionnaire for Pilot Survey 34-83

Appendix 2: KCA Pilot Training Programme for Enumerators and Supervisors 84

Appendix 3: Pilot Census Participants 88

Appendix 4: Sample Distribution for the KCA Pilot 89

List of Tables

Table 2.1: Counties by Agro-Ecological Zone and Main Activity15

Table 3.1: Number of Assigned Households, Large/ Commercial Farms and Institutions, by County. 25

Table 3.2: KCA Interview Results and Response Rate 25

Table 3.3: Completion Status by County 26

Table 3.4: Duration of Interview by County 26

Table 3.6: Distribution of Institutions by County 26

Table 3.7: Interview Status of Institutions 26

Table 3.8: Completion Status of Institutions 26

List of Figures

Figure 1: Map of Selected Counties for the KCA Pilot.17

Figure 2: Team Organization Chart 21

Figure 3: Enumeration Area Map 23

List of Abbreviations

KNBS	Kenya National Bureau of Statistics
KCA	Kenya Census of Agriculture
NSS	National Statistics System
EARSPforR	Eastern Africa Regional Statistics Program for Results
NGAOs	National Government Administrative Officers
GDP	Gross Domestic Product
SDGs	Sustainable Development Goals
CAPI	Computer Assisted Personal Interviews
PAPI	Paper Assisted Personal Interviews
GIS	Geographic Information Systems
EA	Enumeration Area
BETA	Bottom-Up Economic and Transformation Agenda
KPHC	Kenya Population and Housing Census
MoALD	Ministry of Agriculture and Livestock Development
NSDS	National Strategy for Development of Statistics
ASTGS	Agricultural Sector Transformation and Growth Strategy
CAADP	Comprehensive African Agriculture Development Programme
API	Application Programming Interface

Foreward

The 2024/25 Kenya Census of Agriculture (KCA) aims to collect comprehensive data and generate estimates for key agricultural indicators in Kenya. This census targets households and institutions involved in agriculture across the country and is conducted by the Kenya National Bureau of Statistics (KNBS) in partnership with the Ministry of Agriculture and Livestock Development and other key stakeholders.

Following international guidelines, it is advisable to conduct a pilot survey before the main data collection exercise. The pilot survey is designed to test the effectiveness of the survey tools, estimate time and cost requirements, and identify potential challenges for the main fieldwork. The KNBS conducted a pilot survey for the census between February and May 2024. This report outlines the implementation of the pilot survey, the logistics involved, key issues encountered, and recommendations for the main survey.

The Kenya National Bureau of Statistics extends its gratitude to all households and institutions that participated in the pilot survey, providing crucial data and information that contributed to the success of the exercise. Special thanks go to the staff members from KNBS, the Ministry of Agriculture and Livestock Development, and the State Department for Fisheries, Aquaculture, and The Blue Economy for their invaluable contributions to preparing the survey instruments and executing the pilot survey. Additionally, the Bureau expresses its appreciation to all stakeholders who played a critical role in the implementation of the 2024/25 KCA Pilot, offering technical and financial support during planning, data collection, and report writing. In particular, the Bureau is grateful to the World Bank for the financial support received under the Eastern African Regional Statistics Program for Results (EARSP for R) to undertake this activity.

Finally, sincere appreciation goes to the Government of Kenya for providing an enabling environment that allows the Bureau to effectively discharge its mandate. We trust that the information provided in this pilot survey report will lay a solid foundation for the successful implementation of the 2024/25 main Census of Agriculture.

Macdonald G. Obudho, PhD, EBS, MBS
Director General

Chapter: 1

Introduction

1.1 Background

The Kenya National Bureau of Statistics is mandated to collect, analyze, and disseminate official statistics in line with international standards and methods. These statistics are mainly used to support economic planning, evidence-based decisions, and informed policies. To improve the quality and reliability of official statistics, key sector statistics should be collected and managed under the National Strategy for Development of Statistics (NSDS) within the framework of National Statistical Systems (NSS). Agriculture statistics is one of the key sector statistics under the NSDS and NSS, hence requiring support from KNBS.

Agriculture is the cornerstone of the Kenyan economy contributing approximately 21.8 per cent to the Gross Domestic Product (GDP) in 2023. The sector employs more than 40 per cent of the total population and about 60 per cent of the rural population. It is a critical source of livelihood and foreign exchange earnings. Despite its importance, the development and transformation of the agricultural sector is highly affected by lack of adequate, reliable data. The agricultural sector has several indicators, including Sustainable Development Goals (SDGs) and Comprehensive Africa Agriculture Development Programme(CAADP) indicators that are not fully captured and reported. Over the years, the quantity and quality of agricultural data in Kenya have been declining. Most of the available agricultural data are administrative data that are not collected through standard statistical procedures. Moreover, most of the data cover the input and output indicators but not the outcome and impacts indicators. In order to address these challenges, the Kenya National Bureau of Statistics (KNBS) plans to undertake a comprehensive Census of Agriculture from 2024 to 2025 in collaboration with the Ministry of Agriculture and Livestock Development (MoALD), followed by periodic sample surveys to ensure continuous data collection.

This initiative aligns with the current government's Bottom-Up Economic and Transformation Agenda (BETA), which prioritizes support for the agriculture sector. It is also in line with the Agricultural Sector Transformation and Growth Strategy (ASTGS 2019-2029), that places data and digitalization as the key enablers of the envisaged transformation.

The main objective of the KCA is to collect adequate and accurate agricultural data and statistics that will meet the needs of policy-makers, farmers and other stakeholders.

The specific objectives for KCA are to:

i. Provide benchmark data that can be used to improve crop, livestock, fisheries and agroforestry statistics.

ii. Monitor and evaluate the impact of policies, projects/ programs, and other farmer support services.

iii. Monitor the 2023-2027 fourth Medium Term Plan (MTP IV). The MTP IV has a handbook of monitorable agricultural indicators.

iv. Monitor agriculture performance at the county level since KCA will produce county-level statistics.

v. Monitor progress in achieving the Sustainable Development Goals (SDGs). Specifically, these will include SDG 2.3.1 on Volume of production per labour unit by classes of farming/pastoral/forestry enterprise size and SDG 2.3.2 on Average income of small-scale food producers, by sex and indigenous status.

vi. Facilitate transparent, evidence-based decisions and planning, and fair allocation of national resources for agricultural development.

vii. Support public policy analysis, debate and advice.

viii. Provide data to facilitate monitoring the progress of CAADP indicators which are varied and include selected agricultural production, inputs, prices, imports, etc.

ix. Support the monitoring and management of national food security.

x. Provide data required by policy-makers, farmers, researchers, private sector agencies, and other stakeholders.

xi. Generated information will be used to update the macro-economic aggregates in national accounts such as Agriculture Value Added among others.

Agriculture is the cornerstone of the Kenyan economy contributing approximately 21.8 per cent to the Gross Domestic Product (GDP) employing more than 40 per cent of the total population and about 60 per cent of the rural population.

Kenyan agriculture calendar runs from March to March of the following year. The annual agriculture production has two main seasons, namely:

01.

The Long Rains season that starts in March, April, May (MAM) begins around the 3rd week of March (onset) and continues to the 2nd or 3rd week of May (cessation). It has a peak (or peaks in some areas) between 1st week of April and the 1st week of May. At times the season may extend to the month of June in the areas around the coast and western parts of Kenya.

02.

The Short Rains season that starts in October, and rains through November to December (OND). These rains mark the second planting season in Kenya where farmers sow crops such as beans, peas, and vegetables among other crops.

The long rains usually have more rains and cover most parts of the country, while the short rains tend to be less intensive and most reliable for the lower eastern and coast regions.

In order to get comprehensive agricultural data, the KCA will be conducted separately for the long rains and short rains season as recommended by the Food and Agriculture Organization(FAO).

1.2 The KCA - Pilot Study

To conduct a comprehensive survey, there is a need for a pilot study in line with the standard practice. A pilot study is a small-scale, preliminary version of the main survey project conducted to evaluate the feasibility, time, cost, risk, and adverse events that could be involved in the full-scale undertaking of the main survey. In this regard, KNBS conducted a pilot in seven counties. The survey involved a sampling process. Before the sampling, KNBS carried out a household listing exercise in all the selected sampled EAs to create an up-to-date agricultural sampling frame. This frame provided a foundation for selecting a representative sample of agricultural units for data collection purposes, in this case, households engaged in agriculture. The sampling frame was well constituted ensuring all sampling units and stratification were adequately covered.

The pilot survey was conducted in 7 selected counties (Nyandarua, Kisii, Isiolo, Garissa, Kwale, Makueni and West-Pokot) over an 18-day period, from March 5th to 22nd March. The reference period for this pilot spanned from October 1st 2023, to February 29th 2024, aligning with the short rain season.

The findings from this pilot were crucial for refining the methodology and ensuring the successful implementation of the main census.

By conducting this pilot, KNBS aimed to capture comprehensive data on all establishments and households engaged in significant agricultural production activities thus providing a robust foundation for the KCA and subsequent sample surveys. The pilot exercise thus plays a pivotal role in enhancing the quality and reliability of agricultural statistics in Kenya.

The pilot survey was conducted in 7 selected counties (Nyandarua, Kisii, Isiolo, Garissa, Kwale, Makueni and West-Pokot) over an 18-day period.

1.3 Objectives of the KCA Pilot Study

The overall objective of the pilot study for the KCA is to test the logistics and quality of the instruments designed for the main census.
This broad objective is further detailed into specific goals as follows:

S/N	OBJECTIVE	DESCRIPTION	ACHIEVED/ NOT ACHIEVED
1.	**Testing Survey Instruments**	Evaluate the effectiveness, clarity, and comprehensiveness of the questionnaires (both PAPI and CAPI formats) and manuals used for data collection.	• The questionnaire generally elicited the desired information from respondents. • However, some questions needed clarification/ rephrasing to ensure they were understood uniformly by all respondents.
2.	**Sample Size Calculation**	Estimate the variability in the data, which is crucial for calculating the sample size needed for the main census. This will ensure that the survey is adequately powered to detect significant effects.	• The pilot survey provided valuable insights into the variability of the data across different variables of interest as intended. e.g. Value chains in different agro-ecological zones. • Variability was observed to be consistent with expectations or previous research findings.
3.	**Logistics Assessment**	Assess the logistical arrangements including the duration of the survey, transportation needs, budget allocation, and the adequacy of materials provided to theenumerators.	• The pilot survey provided insights into the time needed to complete data collection activities considering the average time taken to complete interviewing one household. • Transportation requirements for fieldwork activities were evaluated based on the geographic distribution of sampled EAs, accessibility of survey locations, and modes of transportation available which all proved adequate. • Budget allocations for various logistical aspects of the main survey were evaluated and recommendations for adjusting budget allocation for vehicle maintenance and fuel allocation in some counties were forwarded. • The adequacy of materials provided to enumerators, including survey instruments, training manual, data collection tools(tablets), and other resources, was evaluated and all proved to be efficient.
4.	**Training Evaluation**	Determine the sufficiency of the training programs for trainers, supervisors, and enumerators in terms of content delivery and practical application.	• Feedback from enumerators was collected to assess the clarity, relevance, and engagement level of training materials and presentations which gave positive feedback. • Areas where the manual was unclear were highlited and clarified.
5.	**Testing/ Refinement of Census Design**	Provide an opportunity to refine the survey design, and ensure that the main study is well-structured and methodologically sound.	• Evaluation of survey design elements such as sampling strategy, sequencing of questions, skips between sections, and data collection procedures was conducted to ensure methodological consistency.
6.	**Data Collection Process**	Observe and document the actual data collection process to identify any potential issues and areas for improvement.	• The pilot survey provided an opportunity to observe the actual data collection process in real-time and the dashboard on survey solutions software which proved efficient. • Potential issues or challenges encountered during data collection were documented and solutions provided adequately. • Data quality was assessed based on the completeness, accuracy, and consistency of responses collected during the pilot survey and areas of improvement discussed. • Insights from supervisors regarding their experiences, challenges, and suggestions for improvement were considered in evaluating the data collection process which provided valuable insights.
7.	**Feasibility**	Assess whether the methods and procedures for the planned survey are practical and workable when done for the census.	• Recommendations were made for improving the feasibility of conducting the censuss which includes adjustments to logistical plans, contingency measures for addressing weather-related disruptions, enhancements to community engagement and publicity strategies, and additional resource allocation as needed.

Chapter: 2

Survey Methodology

2.1. Survey Scope and Coverage

The data collection units for the survey were both households and institutions engaged in agricultural activities. The household component was designed to collect data on the indicators at the household level, while the institutional component was for the indicators at non-household, commercial, institutional, and specialty farms.

2.2. Sample Selection

The KCA pilot covered seven purposefully selected counties. The selection of the counties was informed by their agro-ecological zones as well as the agricultural practices of the natives. **Table 2.1** Indicates the details of the counties selected for KCA pilot survey.

Table 2.1: Counties by Agro-Ecological Zone and Main Activity

S/No	County	Agro-ecological Zone	Main Activity
1.	Kwale	Coastal lowlands	Fishing/Crops
2.	Kisii	Upper midlands	Crops
3.	Nyandarua	Upper highlands	Crops
4.	Makueni	Lower midlands	Crops/Livestock
5.	Isiolo	Inland lowlands	Livestock
6.	West Pokot	Inland lowlands	Crops/Livestock
7.	Garissa	Inland lowlands	Livestock

The pilot design followed the proposed design for the KCA and targeted both non-household farming institutions and farming households. For the household component, the pilot followed a two-stage stratified cluster sampling design whereby in the first stage, an equal number of 10 Enumeration Areas were purposefully identified for each of the seven counties. In the second selection stage, within the selected Primary Sampling Units (PSUs) a fixed take of 12 households were randomly selected to participate in the pilot.

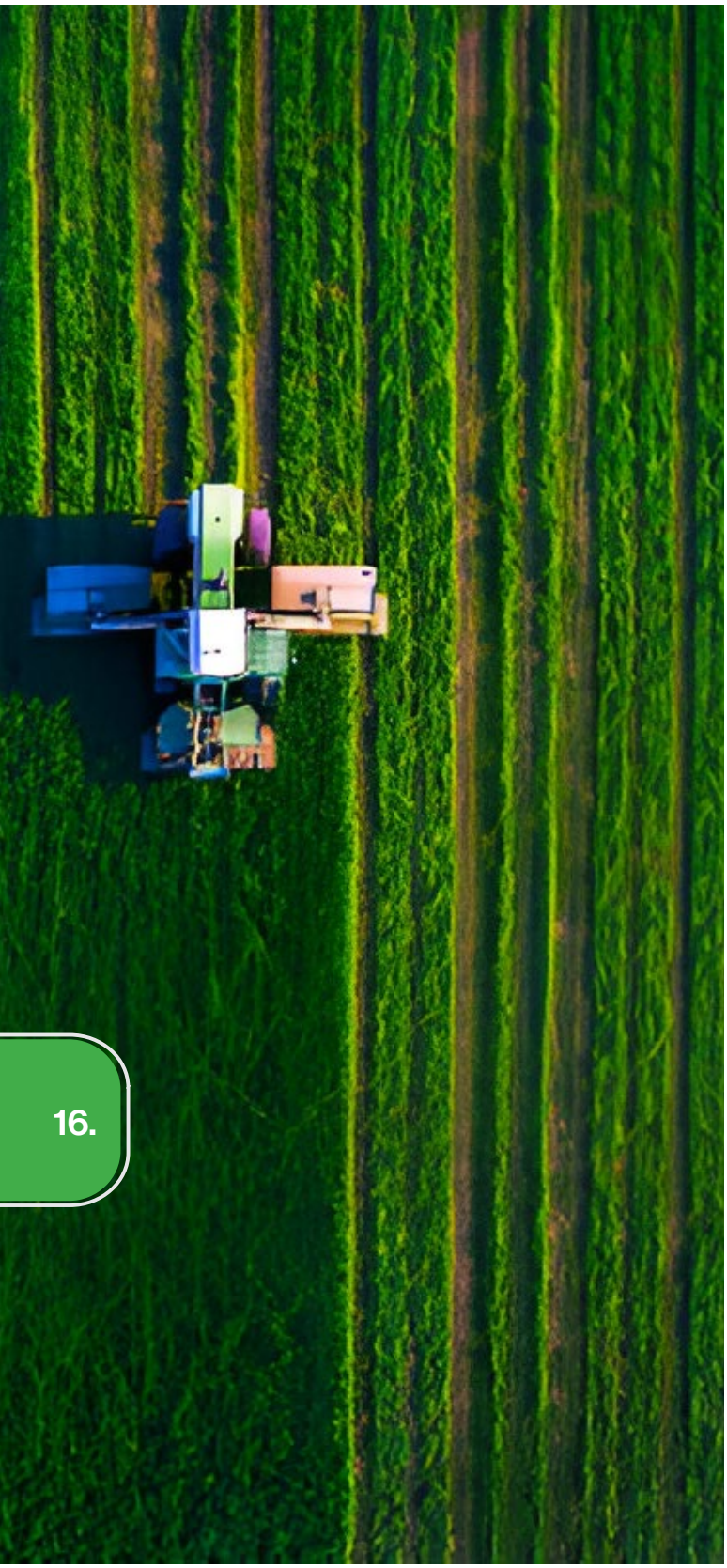
Further, in line with the KCA sample design, all the 126 large and commercial farming households identified from within the selected PSUs were selected with a probability of one and therefore, all were enrolled in the survey.

The PSUs selected for the pilot were identified based on the various aspects to be tested during the pilot, these included areas that engage in various agricultural enterprises to be covered in the survey, data transmission needs, and security requirements among others.

For the non-household farming institutions, the KCA design was that a complete enumeration will be undertaken in this sector, however, for the pilot four non-household farming institutions were also purposively selected for each of the seven counties participating in the pilot, the selection was informed by the type of agricultural enterprises undertaken by the institutions and which were of interest to the survey.

The pilot utilized two sampling frames, an area frame for the household component of the pilot survey and a list frame for the institutional component. The area frame was based on the list of enumeration areas developed for the 2019 Kenya Population and Housing Census. The identified EAs for the pilot were listed to create a sampling frame for the second stage selection of farming households. The list of institutions was obtained from the administrative data maintained by the Ministry of Agriculture, and Livestock Development.

The pilot design followed the proposed design for the KCA and targeted both non-household farming institutions and farming households.



The sampling frames were stratified by the agricultural enterprise before a sample was drawn.

2.3. Listing Exercise

To successfully carry out the pilot for the KCA survey, it was necessary to create a comprehensive household sampling frame that contains farming households in line with the proposed methodology for the KCA. This involved listing farming households and physically numbering structures within the selected Enumeration Areas (EAs). The household listing process was crucial as it laid the foundation for drawing a representative sample of farming households for use in the pilot census.

Household listing was therefore undertaken from 7th to 18th February 2024, a period of 12 days, to develop a sampling frame for the second stage selection of households. The main aim of the listing was to identify farming households which were the target population for the KCA pilot survey. The listing was also aimed at identifying large and commercial farms operated within the households which are to be fully enumerated as per the proposed sample design for the KCA survey. In addition, the listing aimed at capturing key auxiliary information for stratification of the sampling frame.

The household listing was done through a face-to-face interview using Computer Assisted Personal Interviews, the questionnaire was programmed in a survey solution system. The listing was fully computerized as the Enumeration Area maps were also digital interactive maps.

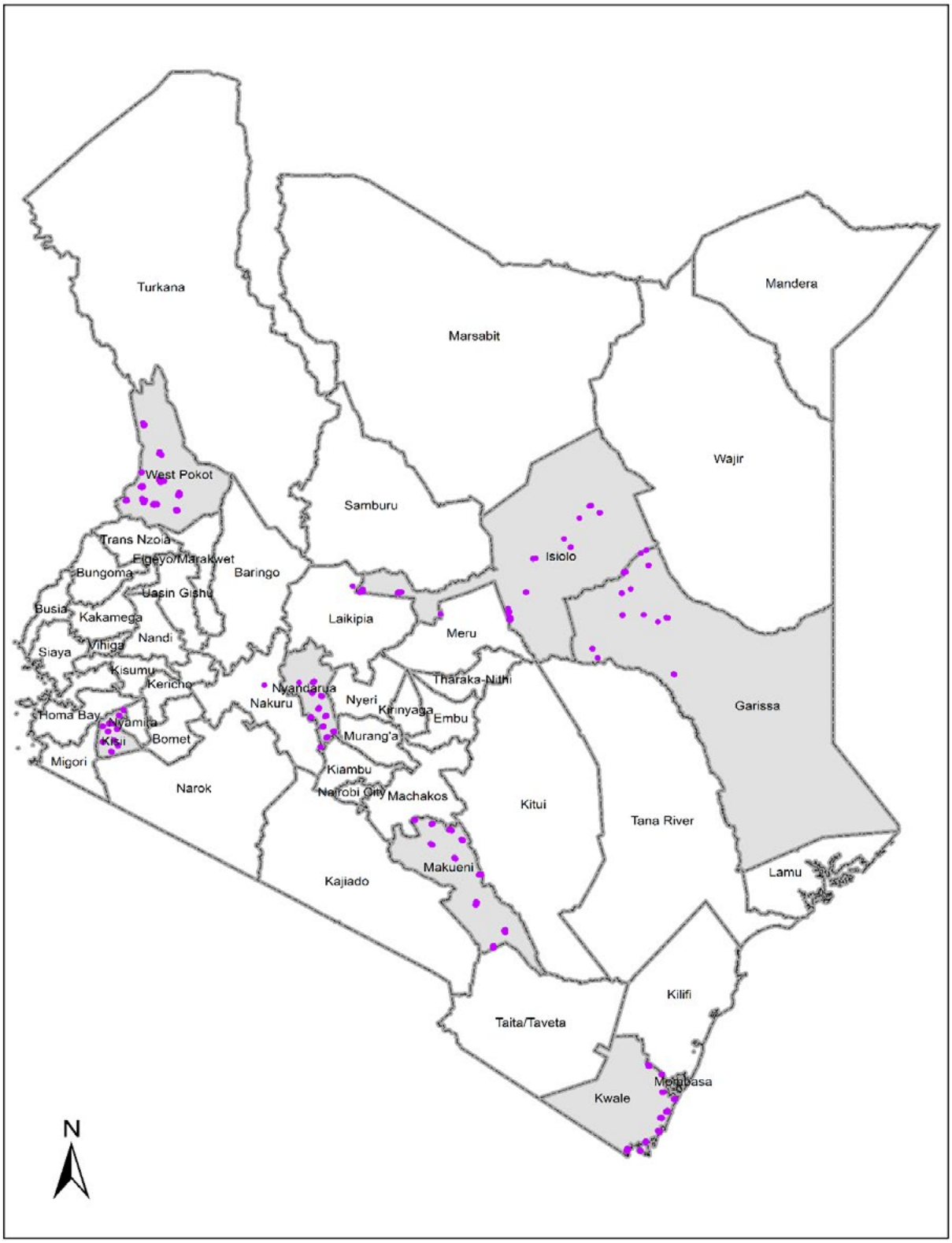
The quality of the data was being checked by the Cartography Division and support was being accorded to the team on a need and request basis. Pin locations for the large farms were picked and maps were made on need basis.

2.4 Large, Institutional and Commercial Frams

These non-household based farms were not to be listed. Instead their details already exist at the Ministry of Agriculture and county levels. These were provided during enumeration.

Extension staff based at the county level were used to guide the officers when locating the farms.

Figure 1: Map of Selected Counties for the KCA Pilot.



2.5. Survey Instruments

Survey instruments consisted of questionnaires and manuals provided to participants to facilitate data collection. The pilot employed two questionnaires designed for data collection which were administered to 12 households in each of the 10 Enumeration Areas, in each of the 7 selected counties, to gather feedback on various aspects of the survey instruments. These instruments included;

1. The Household questionnaire.
2. The Institutional questionnaire.
3. Training and instruction manuals.

The difference between the household questionnaire and the institutional questionnaire are the identification particulars, demographics and farm management. Other details remain similar in the two questionnaires.

The questionnaires covered the following thematic areas as shown in the annexed questionnaires:

1. Household / Institution Identification
2. Household Member Roster
3. Access to Credit, and Imports and Exports of Agricultural Services
4. Sources of Household Income
5. Labour Input
6. Land Tenure, Land Utilization and Legal Status
7. Forestry / Woodlot
8. Agricultural Technology and Extension Services
9. Means of Transportation and Storage Facilities
10. Irrigation Systems
11. Water Management Practices and Flooding / Water Retention
12. Crops Production and Productivity (Temporary and Permanent Crops)
13. Agricultural Inputs by Crops
14. Agricultural Equipment
15. Livestock Production
16. Livestock Inputs, Service Inputs and Grazing Practices
17. Fishing and Aquaculture
18. Household Food Security

Based on the feedback from the short rains pilot, necessary revisions have been made to address all issues related to question clarity, wording, and response options ensuring that the final survey instruments are well-designed and capable of generating valid and reliable data based on the variables of interest.

Appendix 1 shows the questionnaire administered during the pilot.

Survey instruments consisted of questionnaires and manuals provided to participants to facilitate data collection. The pilot employed two sets of questionnaires designed for data collection and these were administered to 12 households in each of the 10 Enumeration Areas.

Chapter: 3

Pilot Survey Implementation

3.1 Survey Personnel

(a) Listing personnel

The household listing exercise, in preparation for the KCA pilot survey, was carried out in the 7 sampled counties. Each county had two teams which comprised of one Supervisor (Team Leader), 4 Enumerators, and a driver. The team was selected from experienced KNBS staff with expertise in sampling procedures and technical household listing expertise to ensure the sample that was selected was adequate. This team was supported by Cartographers, Sampling Division Staff, and Regional Coordinators who ensured the exercise was conducted smoothly.

(b) Pilot survey personnel

The pilot survey was conducted by a team of KNBS staff carefully selected for their expertise and experience in data collection methodologies.

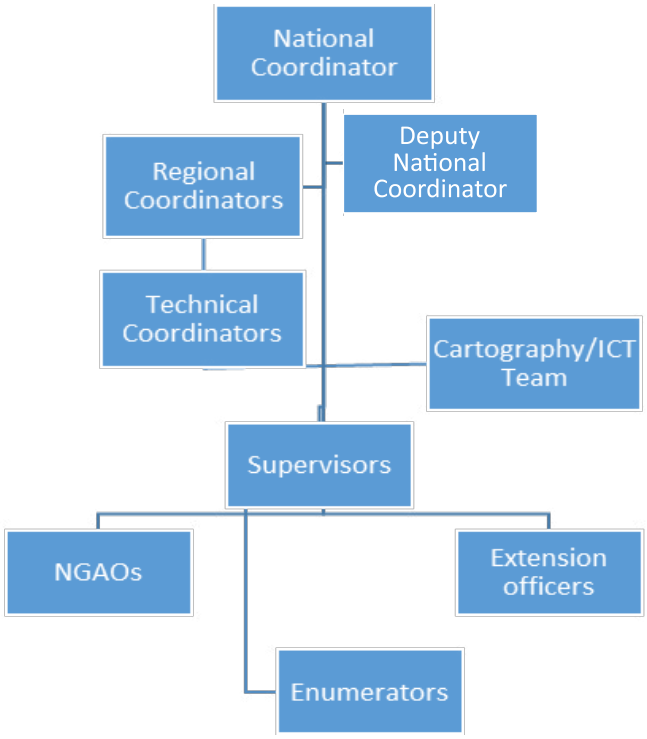
The pilot survey teams consisted of four officers; the Supervisor (Team Leader), two Enumerators, and a driver. In addition, the teams were supported by a team responsible for quality control at the KNBS headquarters and regional field coordinators who were from KNBS, the Ministry of Agriculture and Livestock Development and Ministry of Mining, Blue Economy and Maritime Affairs(State Department for Blue Economy anad Fisheries).

The Enumerators were responsible for collecting data through structured interviews using CAPI, while the Supervisors oversaw and guided their teams to ensure tasks are completed efficiently and effectively. In addition, they ensured adherence to survey protocols, data quality standards, and timely completion of assigned tasks in the field during the 18 days of fieldwork.

Quality control team and Cartographers were tasked with monitoring data collection processes, conducting spot checks, and providing feedback to field teams to ensure the quality and accuracy of collected data.

The Regional and Technical Coordinators ensured the smooth execution of the exercise by handling any technical, administrative, and logistical challenges during the fieldwork.

Figure 2: Team Organization Chart



3.2 Training of the Pilot Survey Personnel

The staff selected to undertake the pilot exercise were thoroughly trained on the various survey instruments for a period of 14 days. The training entailed going through the hard copy questionnaire alongside the manual before embarking on the soft copy questionnaire in the CAPI system and last activity was fieldwork practice.

The survey personnel were trained in various interviewing techniques to improve their approach and communication with respondents. This was to ensure effective communication as it enhances the quality of data collected and coverage.

3.3 EA Identification and map use

The success of survey data collection is heavily dependent on the accurate identification of target households. EA identification was facilitated through the use of Geographic Information Systems (GIS) and detailed maps of the survey area which had earlier been developed by the KNBS Cartography team during the 2019 Kenya Population and Housing Census (KPHC). This technology enabled the delineation of EAs based on predefined criteria such as administrative boundaries, agro-economic zones, and main farming activity. This provided conclusive sampled Enumeration Areas (EAs) for use during the data collection period.

Maps served as valuable visual aids for field teams, guiding them to the sampled EAs and minimizing navigational challenges during data collection.

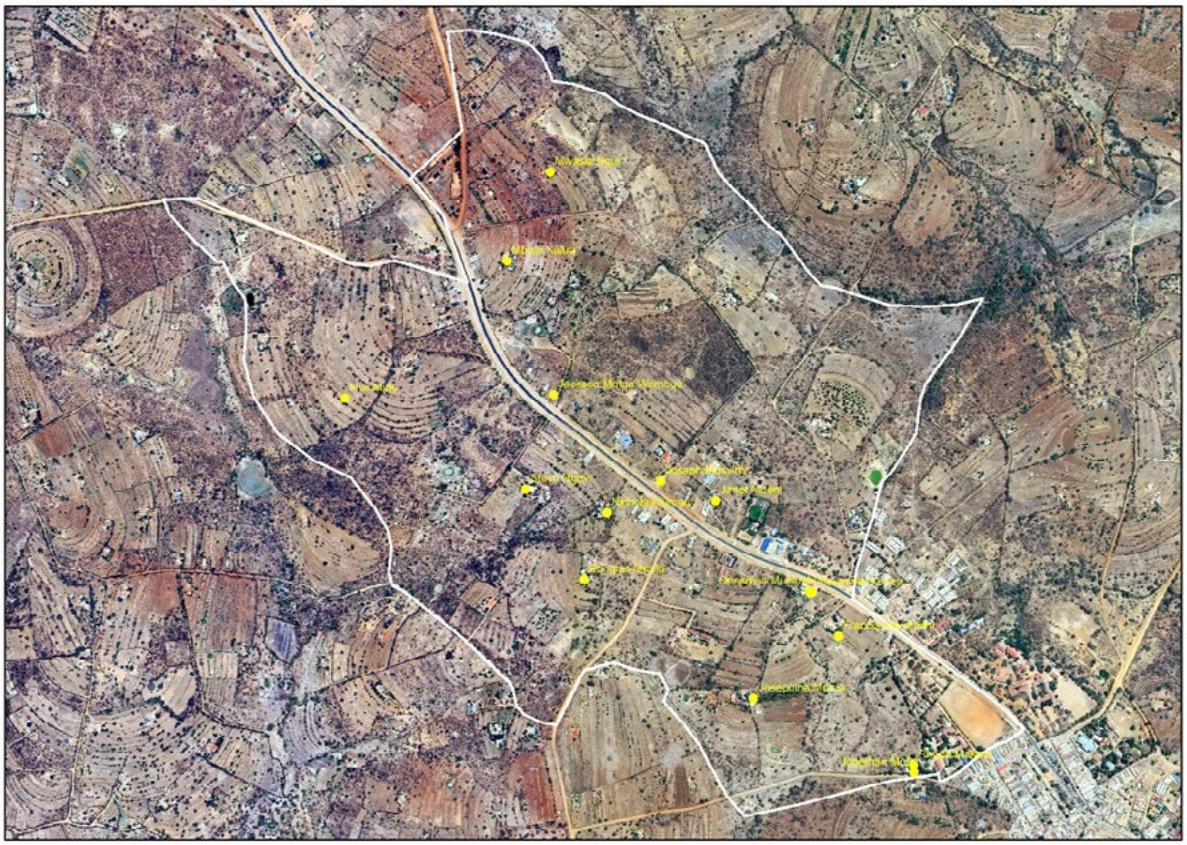
These maps featured essential functionalities such as;

- Zooming
- Panning
- Locator (to pinpoint the exact location within the map)

The maps had a centroid to guide teams, facilitating precise navigation to the selected Enumeration Area.

During the exercise, the presence and involvement of National Government Administration Officers (NGAOs), especially village elders, proved to be very helpful in identifying the EAs and selected households.

Figure 3: Enumeration Area Map



3.4 Data Collection

The Pilot fieldwork for the KCA for Agriculture took place between 5th to 22nd March 2024, a period of 18 days. The reference period for the pilot was 1st October 2023 to 29th February 2024.

The pilot listing exercise and the pilot survey adopted Computer Aided Personal Interview (CAPI) data collection method. The interviews were conducted face to face. The Household and Institutional questionnaires were programmed using survey solutions to form the two CAPI data collection tools. The interviewers were issued with tablets and trained on how to use the survey solutions application to collect the data. A pretest of the system was done during the training of interviewers in both activities to test the flow of the questionnaire, the skip patterns and validation checks. The CAPI issues identified during the pretest were corrected which ensured minimal data collection errors.

Supervisors and Interviewers were issued with unique usernames and passwords as an additional measure to protect collected data. Each interviewer was assigned specific households in the form of assignments. These assignments were loaded into their specific account names in readiness for data collection. The assignments included a centroid variable that assisted in EA identification. Once the interviewer completed an interview, the supervisor was required to go check and approve if satisfied with the quality of data collected otherwise reject the interview for error correction.

There was a dedicated server for the listing and pilot exercises that stored the collected data. This ensured efficient data backup and guaranteed data security.

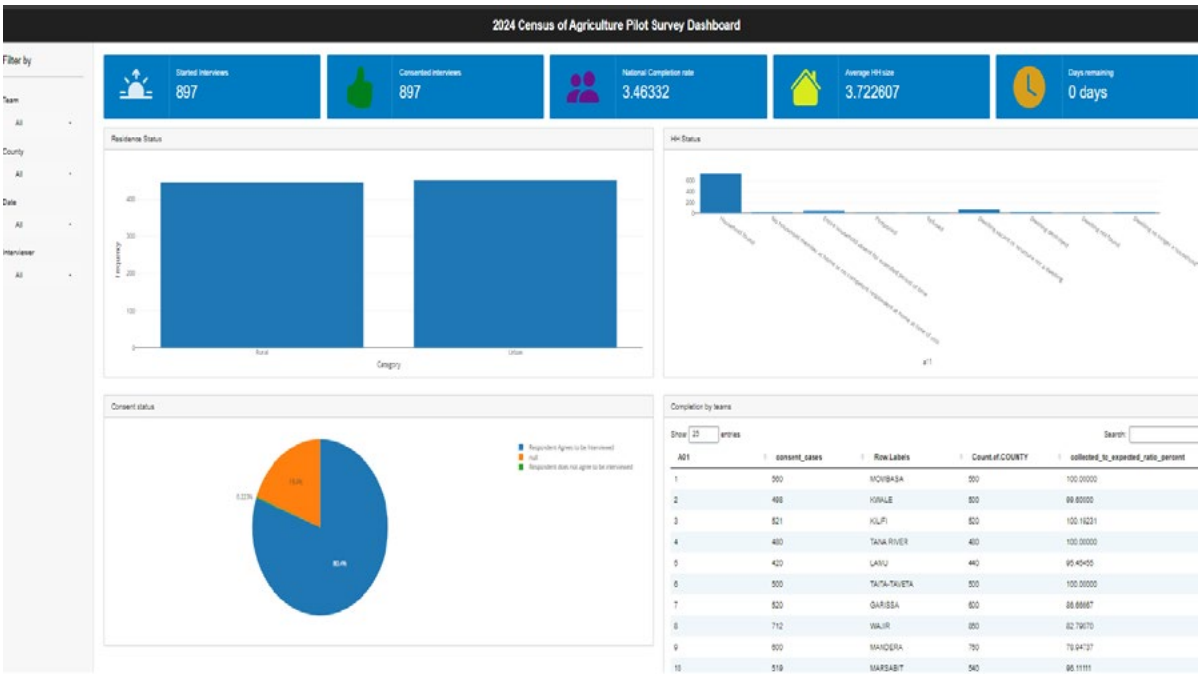
3.5 Data Quality Control

A system of data review and monitoring was designed using R programming language. The system combined a back-end aspect of data review and a front-end aspect of a dashboard. The back-end system uses an API (Application Programming Interface) to automatically download data from the server, and merge the various versions and modules to form a complete dataset. The system then uses a predetermined set of indicator queries and processes them to inspect for errors. The observations with errors are exported as an MS Excel document where the assigned field teams are required to address the errors before leaving that EA.

The front-end of the system is a dashboard that shows real time basic statistics such as coverage, days remaining, interviews status, completion rate. All these indicators on the dashboard are filtered by national and county level, team, interviewer and date.

The data control aspect ensures early detection and correction before data collection is over significantly improving the quality of collected data.

Figure 4: Dashboard



The data control aspect ensures early detection and correction before data collection is over significantly improving the quality of collected data.

3.6 Findings

A total of 1,120 assignments were assigned to interviews in 7 counties comprising of households, large and commercial farms and institutional farms.

Table 3.1: Number of Assigned Households, Large/ Commercial Farms and Institutions, by County.

County	Number of Households	Large and commercial	Institutional firms	Total
Garissa	120	19	4	143
Isiolo	120	20	4	144
Kisii	120	12	4	136
Kwale	120	14	4	138
Makueni	120	23	4	147
Nyandarua	120	12	4	136
West Pokot	120	26	4	150
Grand Total	**840**	**126**	**28**	**994**

(a) Response Rate

The overall interview response rate stood at 96.9 percent

Table 3.2: KCA Interview Results and Response Rate

Interview results	Freq.	Percent
Household located, contacted, and interviewed	812	84.1
Household located, contacted, and partially interviewed	2	0.2
Household located, contacted, asked to return later	5	0.6
No household member at home	1	0.1
No competent respondent at home at time	5	0.5
Entire household absent for extended period	13	1.3
Eligible	**838**	**86.7**
Dwelling vacant	4	0.4
Dwelling destroyed	6	0.6
Dwelling not found	5	0.5
Available household member is incapacitited	1	0.1
Ineligible	**16**	**1.7**
UnAccounted	**112**	**11.6**
Total	**966**	**100**
Response rate		**96.9**

(b) Completion by county

West Pokot County had the highest completion rate of the covered households accounting for 16.4% followed by Makueni County, 16.0% with Garissa and Isiolo County having the least coverage percentage of 11.5% and 11.8% respectively.

Table 3.3: Completion Status by County

County	No of HHs	Percent
Garissa	93	11.5
Isiolo	96	11.8
Kisii	118	14.5
Kwale	123	15.2
Makueni	130	16.0
Nyandarua	119	14.7
West Pokot	133	16.4
Total	**812**	**100**

(c) Time taken to complete interview

On average, an interviewer took an average of 1 hour 30 minutes to complete the household questionnaire and 01:03:57 for the institutional questionnaire.

Table 3.4: Duration of Interview by County

County	Average Duration(Minutes)
Garissa	133.2
Isiolo	80.8
Kisii	63.9
Kwale	105.6
Makueni	108.8
Nyandarua	55.4
West Pokot	63.8
Overall	**87.4**

3.7 Pilot survey findings – Institutions

Table 3.9 shows distribution of sampled institutions by county. An equal number of institutions were interviewed except for Isiolo and Nyandarua county.

Table 3.6: Distribution of Institutions by County

County	Frequency	Percent
Garissa	4	16
Isiolo	2	8
Kisii	4	16
Kwale	4	16
Makueni	4	16
Nyandarua	3	12
West Pokot	4	16
Total	**25**	**100**

(a) Interview status

As shown in Table 3.10 most large farms/institutions were located during the pilot period.located.

Table 3.7: Interview Status of Institutions

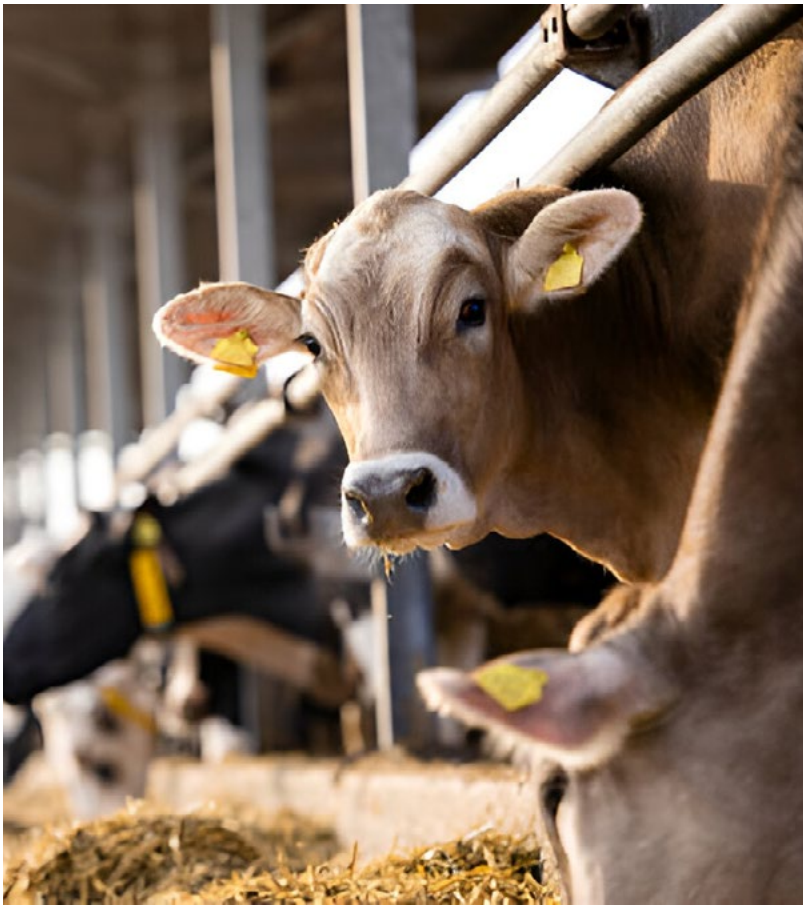
Visit Outcome	Frequency	Percent
Establishment found	22	88
Establishment vacant	1	4
Establishment destroyed	2	8
Total	**25**	**100**

(b) Completion status

During the pilot survey, 71.4 per cent of the institutions were located and interviews conducted while another 14.3 per cent were located and partially interviewed.

Table 3.8: Completion Status of Institutions

Interview results	Frequency	Percent
Located, contacted, and interviewed	15	71.43
Located, contacted and partialy interviwed	3	14.29
Establishment vacant	1	4.76
Establishment destroyed	2	9.52
Total	**21**	**100**



Chapter: 4

Logistics

4.1 Communication

Effective team communication was vital to the success of the pilot survey. Daily briefings at headquarters and within the teams in the field ensured a smooth flow of information, enabled error correction, and allowed for quick responses to challenges. The teams created WhatsApp groups for instant communication, making it easy to share information quickly. Additionally, field personnel could call coordinators to discuss challenges and receive recommended solutions.

4.2 Extension Officers Roles

The support provided by the Extension Officers, who are stationed at the County Headquarters, was commendable. They assisted the teams in locating the Institutions and Large Farms allocated to the teams. However, not all teams utilized them due to delays in communication and or due to communication breakdown on how team leaders could reach the county extension officers. To address this, there is need to emphasize their roles in the main census and also provide a contact person e.g. county directors, at respective counties and link them with the field data collection teams.

4.3 Coordination of NGAOs

Coordination with National Government Administrative Officers (NGAOs) contributed to smooth collaboration between data collection teams and the respondents thereby fostering good community engagement. The Village Elders assisted in locating the selected households once the teams arrived at the selected Enumeration Areas. They were also helpful in introducing the teams to the respondents, which resulted in a good response rate.

4.4 Transport

The teams were allocated drivers with vehicles to enable their movement during the data collection period. The vehicles had fuel and maintenance allocation. This enabled the teams to cover the EAs allocated to them. However, it was noted that in subsequent surveys there was need to consider some increase in the budget allocation in fuel and maintenance for some counties due to their vastness and terrain.

4.5 Budget

Financial management adhered to the budgetary framework during the pilot survey which ensured efficient resource utilization. A review of fuel and maintenance allocations in some counties and timely disbursement of funds is advised to optimize fieldwork operations.

4.6 Access to Households and Institutions

Access to households was generally smooth, but challenges were encountered when gaining entry to some institutions. Issues included closures, relocations, and requirements for official letters and prior notification for visits. To improve institutional access, it is recommended to establish prior communication channels, especially for institutions with specific entry protocols.

The support provided by the Extension Officers, who are stationed at the County Headquarters, was commendable. They assisted the teams in locating the Institutions and Large Farms allocated to the teams.

Chapter: 5

Challenges, Recommendations, Lessons learned and Resolutions

5.1 Challenges and Recommendations

Outlined below are the challenges reported by the teams after the pilot survey, along with recommendations for subsequent KCA exercises.

S/NO	Challenge	Details	Recommendation
1.	**Difficulty in obtaining information from the institutions**	• Some of the institutions required formal introductory letters and prior notice about the survey and its objectives before interviews could be conducted. This was experienced in all the sampled counties.	• Ensure that formal introductory letters and notifications are sent in advance to all sampled institutions ahead of the census to inform them about the activity and its objectives to facilitate smooth data collection.
2.	Poor Publicity about the exercise among households	• Some farmers in Makueni County were initially reluctant to provide information, confusing the survey with other exercises. Other farmers feared that their information was being collected so that the government could tax them.	• Conduct public sensitization campaigns before the census to explain its purpose and alleviate any confusion or resistance among farmers.
3.	Transport	• Some of the Enumeration Areas (EAs) in Garissa, Makueni, Isiolo, West Pokot and Kwale Counties were inaccessible due to poor feeder roads, causing delays in commencing work. • The vastness of some Enumeration Areas in Isiolo County had sampled households located far from each other, making it time-consuming to move between households and traversing the areas.	• Allocate extra time for enumerators working in particularly vast or difficult-to-access EAs to ensure they can complete their tasks without undue pressure. • Additionally, deploy additional resources, such as motorcycles or off-road vehicles to facilitate easier and quicker movement in vast and challenging terrains.
4.	Adverse Weather Conditions	• Adverse Weather Conditions such as high temperatures in Isiolo and Garissa County caused overheating of tablets that affected the performance of tablets. Cloudy conditions and rain in Kisii County affected GPS accuracy and the working schedule.	• Provide field teams with protective equipment such as gumboots, umbrellas and bag pack for carrying the gadgets. • Allocate additional data collection days in regions where heavy rains are likely to disrupt the work schedule.
5.	Insecurity in some areas which affected data collection	• Insecurity in Isiolo county for instant cattle rustling in Loruko EA posed a threat to the exercise. • Land Disputes in Garissa: Insecurity in Abdille Lugey and Dujis EAs due to ongoing land disputes; security personnel were required.	• Engage security personnel to accompany field teams in high-risk areas to ensure their safety during the survey. • Similarly, employ security personnel to provide protection in regions with ongoing land disputes to allow the survey to proceed without threats.

The data control aspect ensures early detection and correction before data collection is over significantly improving the quality of collected data.

5.2 Lessons learned and resolutions

1. From the pilot exercise, it was resolved that the household identification system will be assigned to KNBS county staff who will act as EA guides. The guides will undergo a short training during the main survey training on the system and will assist the field teams in identifying sampled enumeration areas and households.
2. To address the confusion arising from listing institutions, large farms, and commercial farms, it is crucial to clarify how the listing teams should differentiate them. This will prevent the data collection teams from mistakenly visiting institutions that are actually individually owned or large farms that do not engage in large-scale agricultural activities as seen in the pilot survey.
3. Establish clear criteria to define who qualifies as a farmer, ensuring research assistants have a better understanding as they conduct interviews.

APPENDICES

Appendix 1: Household Questionnaire for Pilot Survey
Appendix 2: KCA Pilot Training Programme for Enumerators and Supervisors
Appendix 3: Pilot Census Participants
Appendix 4: Sample Distribution for the KCA Pilot

REPUBLIC OF KENYA

KNBS
KENYA NATIONAL BUREAU OF STATISTICS
Keeping you informed

STRICTLY CONFIDENTIAL

HOUSEHOLD QUESTIONNAIRE

Image Source: Istock@ 2024 accessed via www.istock.com

2024_25 KENYA CENSUS of Agriculture Pilot

HOUSEHOLD QUESTIONNAIRE

THIS SURVEY IS BEING CONDUCTED BY THE KENYA NATIONAL BUREAU OF STATISTICS AS MANDATED BY THE STATISTICS ACT (ACT 2006 OF THE LAWS OF KENYA)

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

GENERAL INFORMATION AND INSTRUCTIONS

1. Legal Mandate/ Authority

Kenya National Bureau of Statistics (KNBS) is established as a State Corporation by an Act of Parliament, the Statistics Act No. 4 of 2006 (Rev. 2019),

2. Confidentiality

The information provided in the questionnaire by households will be treated with confidentiality and used strictly for statistical purposes only.

3. Objective

The main objective of the 2024/2025 Kenya Census of Agriculture is to provide up to date statistics on Agricultural sector, which will inform and monitor policies, and to develop a framework for continuous monitoring of the Agriculture sector in Kenya.

4. Target respondent

All Households in Kenya, which are engaged in Agricultural activities are required to complete this questionnaire.

5 .Survey Reference Period

The information required is for the calendar year 2023.

6. Correspondence

All sections of the questionnaire must be completed. Any parts, which may not be applicable, should be indicated as "not applicable". Any correspondence relating to the questionnaire or any other issue concerning the 2024/2025 Kenya Census of Agriculture should be addressed to either:

The Director General,

Kenya National Bureau of Statistics

Real Towers, Hospital Road, Upperhill

P.O Box 30266- 00100 Nairobi, Kenya

Tel: +254- 735-004-401/ +254-202-911-000

Web - www.knbs.or.ke

Email- info@knbs.or.ke

7. Other Comments

In case you have any comments or information relating to the data provided, please insert them in the comment box found at the end of the questionnaire.

HOUSEHOLD QUESTIONNAIRE

Introduction and Consent

"Greetings!

Hello, my name is _____.
I work for the Kenya National Bureau of Statistics in collecting data that the Government of Kenya and other stakeholders will use for planning purposes. I am visiting you in connection with the pilot for 2024_25 Kenya Census of Agriculture that is being conducted in 7 counties. The Survey seeks to get up to date statistics on the Agricultural Sector to inform Agricultural policies and development in Kenya. The information you provide will be treated in confidence and pooled with that from other institutions in the country for use in formulation of suitable programmes and policies to promote our country's economy.

CONFIDENTIAL
KENYA NATIONAL BUREAU OF STATISTICS
2024/25 KENYA CENSUS OF AGRICULTURE PILOT
HOUSEHOLD QUESTIONNAIRE

These Statistics are collected in accordance with the Statistics Act 4 2006 (Rev 2019).
Information provided shall be treated as confidential

SECTION A-01: HOUSEHOLD IDENTIFICATION

A01.	COUNTY	.....	**A08.**	ENUMERATION AREA	.....
A02.	SUB COUNTY	.....	**A09.**	STRUCTURE NUMBER	.....
A03.	DIVISION	.....	**A10.**	HOUSING UNIT NUMBER	.....
A04.	LOCATION	.....	**A11.**	NAME OF HOUSEHOLD HEAD	.....
A05.	SUB LOCATION	.....			
A06.	CONSTITUENCY	.....			
A07.	WARD	.....			

SECTION A-02: SURVEY STAFF DETAILS

A12	NAME OF INTERVIEWER:	....			CODE:	.....
A13	NAME OF SUPERVISOR:	....			CODE:	.....
A14	GPS COORDINATES	.....	Latitude	.....	Longitude	.....

SECTION A-03: CONSENT

A15	Do you give consent to be interviewed?	**1**	YES	.....
		2	NO	.....

HOUSEHOLD QUESTIONNAIRE

	*RESULT CODES:		
1	HOUSEHOLD FOUND		
2	NO HOUSEHOLD MEMBER AT HOME OR NO COMPETENT RESPONDENT		
	AT HOME AT TIME OF VISIT		
3	ENTIRE HOUSEHOLD ABSENT FOR EXTENDED PERIOD OF TIME		
4	POSTPONED		
5	REFUSED		
6	DWELLING VACANT OR ADDRESS NOT A DWELLING		
7	DWELLING DESTROYED		
8	DWELLING NOT FOUND		
9	OTHER (SPECIFY)		
			LINE NO. OF RESPONDENT

Census of Agriculture | 2024_25

PILOT SURVEY

SECTION B: HOUSEHOLD MEMBER ROSTER

B01	B02	B03		B04		B05		B06		B07	
LINE NUMBER	NAME	What is [NAME]'s relationship to the household head?		Sex of [NAME]?		How old is [NAME]?		What is [NAME]'s marital status?		What is [NAME]'s religion?	
	MAKE A COMPLETE LIST OF ALL INDIVIDUALS WHO USUALLY RESIDE IN THE SAME COMPOUND, ARE ANSWERABLE TO THE SAME HEAD AND SHARE THE SAME COOKING ARRANGEMENT, STARTING WITH THE HEAD OF THE HOUSEHOLD.	HEAD	01	MALE	1	Age in Complete years		(For those aged 15 Years and above)			
		WIFE OR HUSBAND	02	FEMALE	2	For children aged less than one year, code 0					
		SON OR DAUGHTER	03							Catholic	1
		GRANDCHILD	04							Protestant	2
		BROTHER OR SISTER	05							Evangelical Churches	3
		PARENT	06					MARRIED / LIVING TOGETHER MONOGAMOUS	1	African Instituted Churches	4
		NEPHEW/NIECE	07					MARRIED / LIVING TOGETHER POLYGAMOUS	2	Orthodox	5
		PARENT-IN-LAW	08					SEPARATED	3	Islam	6
		SON-IN-LAW OR DAUGHTER-IN-LAW	09			CODE		DIVORCED	4	Hindu/Sikh/ Confucious	7
		GRANDPARENT	10			AGE IS NOT KNOWN…	998	WIDOW OR WIDOWER	5	Traditionalists	8
		ADOPTED/FOSTER/ STEPCHILD	11			NOT STATED……	999	NEVER MARRIED	6	No religion/ Atheists	9
		OTHER RELATIVE	12							Other Christian	10
		NOT RELATED	13							Other Religion	11
01		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
02		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
03		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
04		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
05		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
06		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
07		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
08		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
09		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	
10		|__||__|		|__|		|__||__|	|__||__|		|__|		|__||__|	

Section B: Household Member Roster — Cont'd

(4 years and above)

B08		B09		B10		B11		B12		B13	
Has [NAME] ever attended school/ academic institution?		Is [NAME] currently attending school/ academic institution?		Which level and grade/ year is [NAME] currently attending?		What is the highest education level and grade/ year that [NAME] has completed ?		Can [NAME] read and write?		How many years of experience in agricultural activities does [NAME] has?	
				SEE CODES BELOW		SEE CODES BELOW					
YES.....	1	YES.....	1								
NO.....	2	NO.....	2			NONE				For persons aged 14 and above. If no experience, write 0. If less than 1 year, write 1.	
(IF '2'» B12)		(IF '2'» B12)							CODE		
								YES	1		
								NO	2		
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|
|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__||__|	|__|	|__|

Section B: Household Member Roster — Cont'd

B18		B19		B20			
Does [NAME] have other sources of income for the household other than agricultural production?		Is [NAME] engaged in other economic activities other than agricultural production?		What other economic activities are you engaged in? Code appropriately based on KeSIC			
		Yes	1		Yes	No	
		No	2	Support services to agriculture and post harvest crop activities	1	2	
		If 2 >>>Next Module		Manufacturing	1	2	
				Water supply, sewerage, waste management and remediation activities	1	2	
				Construction	1	2	
Yes	1			Wholesale and retail trade	1	2	
No	2			Transportation and storage	1	2	
If 2 skip to next section				Accommodation and food service activities	1	2	
				Information and communication	1	2	
				Financial and insurance activities	1	2	
If 1 the person should be eligible for Module E				Real estate	1	2	
				Professional, scientific and technical services	1	2	
				Education	1	2	
				Human health and social work activities	1	2	
				Arts, entertainment and recreation	1	2	
CODE		CODE		Other service activities	1	2	
|__|		|__|		Agrotourism	1	2	
|__|		|__|					
|__|		|__|		CODE			
|__|		|__|		|__|			
|__|		|__|		|__|			
|__|		|__|		|__|			
|__|		|__|		|__|			
|__|		|__|		|__|			
|__|		|__|		|__|			
|__|		|__|		|__|			
|__|		|__|		|__|			

CODES FOR Qs. B11 & B12			
EDUCATION LEVEL & GRADE/YEAR	CODES	EDUCATION LEVEL & GRADE/YEAR	CODES
PRE-PRIMARY	01	UNIVERSITY UNDERGRADUATE DEGREE	08
PRE-PRIMARY 1	01	YEAR 1	01
PRE-PRIMARY 2	02	YEAR 2	02
PRIMARY	02	YEAR 3	03
STANDARD/GRADE 1	01	YEAR 4	04
STANDARD/GRADE 2	02	YEAR 5	05
STANDARD/GRADE 3	03	YEAR 6	06
STANDARD/GRADE 4	04		
STANDARD/GRADE 5	05	UNIVERSITY POST-GRADUATE DIPLOMA	09
STANDARD/GRADE 6	06	YEAR 1	01
STANDARD 7	07	YEAR 2	02
STANDARD 8	08	UNIVERSITY POST-GRADUATE MASTERS DEGREE	10
JUNIOR SCHOOL	03	YEAR 1	01
GRADE 7	07	YEAR 2	02
GRADE 8	08	YEAR 3	03
POST PRIMARY VOCATIONAL TRAINING CERTIFICATE	04	YEAR 4	04
YEAR 1	01	UNIVERSITY POST-GRADUATE DOCTORATES DEGREE	11
YEAR 2	02	YEAR 1	01
SECONDARY (8.4.4/7.4.2.3)	05	YEAR 2	02
FORM 1	01	YEAR 3	03
FORM 2	02	YEAR 4	04
FORM 3	03	NON-FORMAL EDUCATION (ADULT BASIC EDUCATION)	12
FORM 4	04	MADRASSA/DUKSI	13
FORM 5	05	OTHER (SPECIFY)	96
FORM 6	06	DON'T KNOW/UNSURE	98
MIDDLE LEVEL COLLEGE/POST SECONDARY TVET CERTIFICATE	06	NEVER ATTENDED	99
YEAR 1	01		
YEAR 2	02		
MIDDLE LEVEL COLLEGE/POST SECONDARY TVET DIPLOMA	07		

SECTION C: ACCESS TO CREDIT

I would like to ask you about any loans received by you or members of your household FOR AGRICULTURAL PURPOSES

	C01		CO2		C03	C04		C05	
CODE LOAN SOURCE	Did you or any member of your household receive an agricultural-related loan service between 1st October 2023 to 29th February 2024?		Please tick all the sources that provided a loan for agricultural purposes to you/your household e between 1st October 2023 to 29th February 2024?		What was the loan amount received from [LOAN SOURCE] e between 1st October 2023 to 29th February 2024?	What were the three MAIN purposes of the loan from [LOAN SOURCE] ? (see response options below)		What was the duration of the loan repayment for the loan received from [LOAN SOURCE]? Use codes provided for C04 below.	
			LOAN SOURCE						
			Banks/ Microfinance banks	A		Pay for Agricultural labour	A	Less than 1 year	1
	YES	1	Agricultural Finance Corporation (AFC)	B		Purchase Seeds	B	1-3 years	2
	NO	2	Mobile banking loan (e.g. Mshwari, KCB M-Pesa, M-Co-op cash)	C		Buy Fertilizers	C	More than 3 years	3
			Mobile Money Overdraft (e.g. Fuliza)	D		Buy Agro-chemicals	D		
			Mobile Till Business Overdraft (e.g. Fuliza ya Biashara)	E		Buy Farm Implements & Machinery	E		
			Digital lending app (e.g Zenka, Tala etc)	F		Set up Irrigation structure	F		
			Financial Inclusion (Hustler) Fund	G		Livestock	G		
	IF NO>>SECTION D		SACCO loan	H		Aquaculture (Fish farming)	H		
			MFI loan	I		Apiculture (Bee Keeping)	I		
			Loan from Chama/Group	J		Trading agricultural produce	J		
			Loan from friends/family/neighbour	K		Fund land purchase	K		
			Loan from Shylock/Money lender	L		Repair agricultural Buildings	L		
			Loan from Supplier	M		Draught power	M		
			Other Government loan-Helb, women and youth fund	N		Others (specify)	N		
			Loan from NGO	O					
			Other (Specify)	P					
	CODE		CODE		KSH	CODE		CODE	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	
	|___|		|___|			|___|		|___|	

Section C: Access to Credit — Cont'd

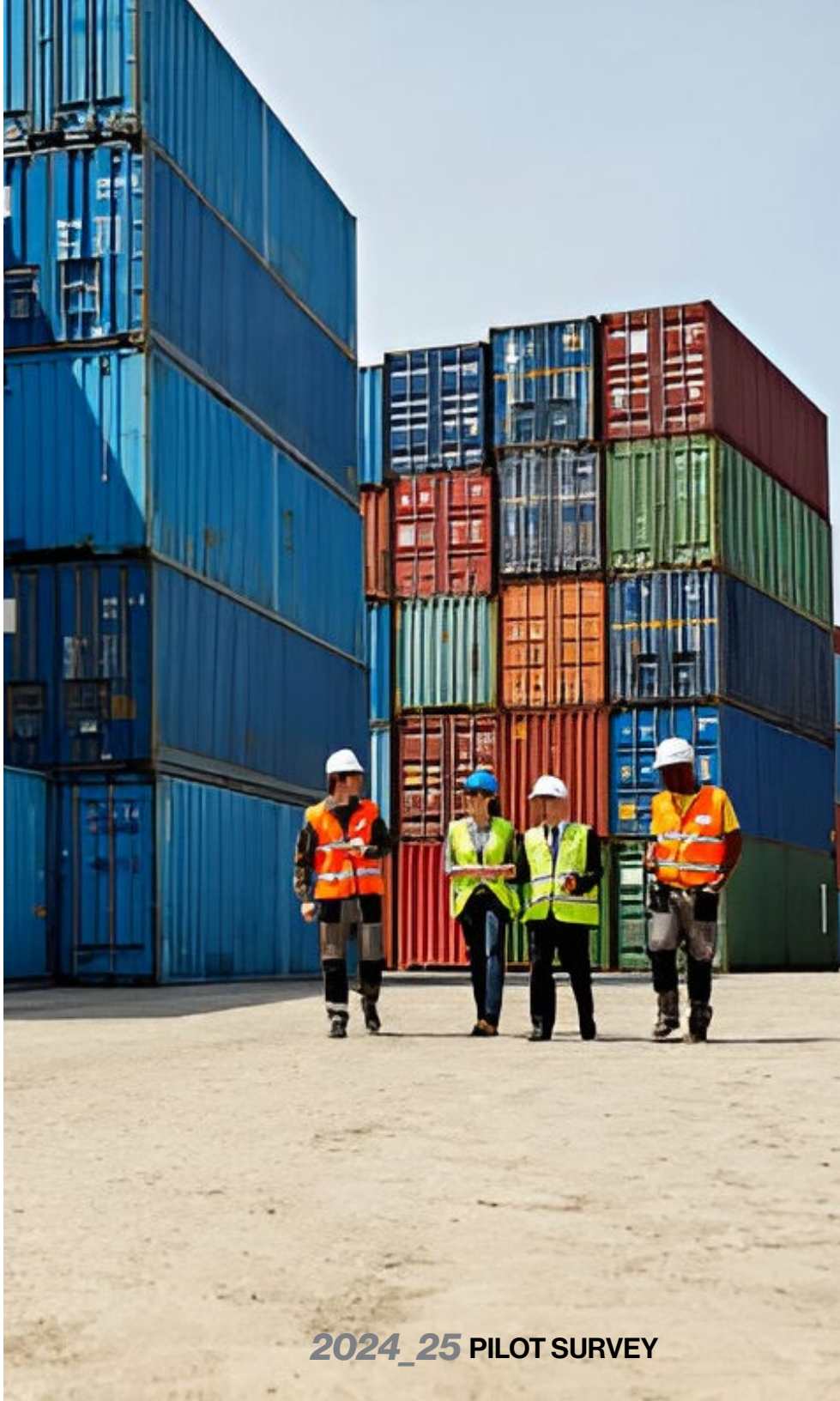
C06	C07		C08	
How much of the loan taken from [LOAN SOURCE] has been repaid as at now (Date of interview)?	Did the household need to provide collateral security for this/ these loan(s)?		What type of collateral security was provided? (tick all that apply) (see response options below)	
			Multi select	
			Land Title	A
			Crop production	B
			Livestock	C
	YES	1	Guarantor	D
	NO	2	Salary	E
			Deposit / Savings with the Bank/Group	F
	If No >> go to next section		Household Items	G
			Sales Agreement	H
			Other (specify)	I
KSH	CODE		CODE	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	
	|___|		|___|	

SECTION D: IMPORTS AND EXPORTS OF AGRICULTURAL SERVICES

D01			D02		D03	D04	D05	D06	
Did you or any member of your household import or export any agricultural service(s) from 1st October 2023 to 29th February 2024			Did you import any agricultural service(s) from 1st October 2023 to 29th February 2024		What was the service(s) that was/were imported?	What was the country of origin of the agricultural service(s)?	How much did you pay for the service(s)?	Did you export any agricultural service(s) from 1st October 2023 to 29th February 2024	
Yes	1		Yes	1	Type of Agriculture Service			Yes	1
No	2		No	2	Provision of agricultural machinery with crew.....1	Insert a drop-down for countries		No	2
					Harvesting.....2				
					Pest control.....3				
			If 2>>>D06		Treatment of crops.....4			If 2>>>Next Module	
If 2>>>Next Module					Animal boarding.....5				
					Animal care and breeding services.....6				
					Aquaculture.....7				
					Services in forestry e.g. afforestation and defforestation, conservation.....8				
					Services in logging e.g. cutting of trees, Transportation, lumber preparation, log treatment.....9				
					Services in fishing e.g. hormone enhancement, fish doctors, feeding and nutrition, harvesting of fish, hatchery services, disease diagnosis, water quality management, site selection and preparation.....10				
					Veterinary services.....11				
					Cold room services.....12				
					Packhouse services.....13				
					Auctioneering services (Tea and Coffee).....14				
					Manufacturing services (Tea blending).....15				
					Agricultural training.....16				
					Consultancy services in Agriculture.....17				
					Insurance services for fishing vessels.....18				
					Repair and maintenance services of agriculture/fishery and forestry machinery and equipment.....19				
					Hiring and leasing of agriculture, fishing and forestry/logging equipment.....20				
					Other ,Specify.....99				
CODE			CODE		Services	Country	KSh	CODE	
|__|			|__|		|__|	|__|	|__|	|__|	

Section D: Imports and Exports of Agricultural Services— Cont'd

D07	D08	D09
What was the service(s) that was/were exported?	What was the country of destination of the agricultural service(s)?	How much did you receive for the services?
Type of Agriculture Service		
Provision of agricultural machinery with crew.....1	Insert a drop-down for countries	
Harvesting.....2		
Pest control.....3		
Treatment of crops.....4		
Animal boarding.....5		
Animal care and breeding services.....6		
Aquaculture.....7		
Services in forestry e.g. afforestation and defforestation, conservation.....8		
Services in logging e.g. cutting of trees, Transportation, lumber preparation, log treatment.....9		
Services in fishing e.g. hormone enhancement, fish doctors, feeding and nutrition, harvesting of fish, hatchery services, disease diagnosis, water quality management, site selection and preparation.....10		
Veterinary services.....11		
Cold room services.....12		
Packhouse services.....13		
Auctioneering services (Tea and Coffee).....14		
Manufacturing services (Tea blending).....15		
Agricultural training.....16		
Consultancy services in Agriculture.....17		
Insurance services for fishing vessels.....18		
Repair and maintenance services of agriculture/fishery and forestry machinery and equipment.....19		
Hiring and leasing of agriculture, fishing and forestry/logging equipment.....20		
Other ,Specify.....99		
CODE	Country	KSh
|__|	|__|	|__|



SECTION E: SOURCES OF HOUSEHOLD INCOME

			Those aged 18 years and above		Those aged below 18 years and above 15	
E01		E02	E03	E04	E05	E06
What are the other sources of income for the household other than agricultural production?		What is the share of income from {the source of income} out of the total income for the household?	How many adult Male household members derive their income from {source of income}?	How many adult Female household members derive their income from {source of income}?	How many Boys in the household members derive their income from {source of income}?	How many Girls in the household members derive their income from {source of income}?
Wages and Salaries	A	Pecentage should add up to 100%				
Self-Employment Income other than income from agricultural production	B					
Rental Income	C					
Investment Income	D					
Government Transfers	E					
Pensions and Retirement Income	F					
Royalties	G					
Insurance payments	H					
Remittances-Internal (within Kenya)	I					
Remittances-External (outside Kenya)	J					
Table banking/chama	K					
Gambling	L					
Income from lease/sale of assests/ property	M					
Other(Specify)	N					
CODE		Percentage	Number	Number	Number	Number
|__|		|__|	|__|	|__|	|__|	|__|
|__|		|__|	|__|	|__|	|__|	|__|
|__|		|__|	|__|	|__|	|__|	|__|
|__|		|__|	|__|	|__|	|__|	|__|
|__|		|__|	|__|	|__|	|__|	|__|
|__|		|__|	|__|	|__|	|__|	|__|
|__|		|__|	|__|	|__|	|__|	|__|

SECTION F: LABOUR INPUT

F01	F02		F03		F04		F05		F06		F07	
PARCELS/NO	From 1st October 2023 to 29th February 2024,, how many members of the household worked permanently on the holding?		In the month of December 2023, how many members of the household worked permanently on the holding?		From 1st October 2023 to 29th February 2024, how many members of the household worked temporarily on the holding?		In the month of December 2023, how many members of the household worked temporarily on the holding?		From 1st October 2023 to 29th February 2024, how many children of the household worked temporarily on the holding?		From 1st October 2023 to 29th February 2024, how many children of the household worked permanently on the holding?	
	Male	Female	Male	Female	Male	Female	Male	Female	Boys	Girls	Boys	Girls
	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|

F08						F09	F10					F11				
From 1st October 2023 to 29th February 2024, what is the Share of operation undertaken by agricultural household members who worked on the holding?						From 1st October 2023 to 29th February 2024, were any persons hired permanently or temporarily for pay in cash or kind on the holding ? Yes.....1 No.....2 If 2>>F14	How many persons were hired as permanent labourers from 1st October 2023 to 29th February 2024, and for how long?					How many persons were hired as temporary labourers from 1st October 2023 to 29th February 2024 and for how long?				
		Above 18 years		Children (5-17) years			Month	Number		Payment Period in Days		Month	Number		Payment Period in Days	
Operation	Code	Male	Female	Boys	Girls	CODE		Male	Female	Male	Female		Male	Female	Male	Female
Ploughing	1	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Planting	2	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Weeding	3	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Pruning	4	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Harvesting	5	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Bush clearing	6	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Herding	7	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Feeding	8	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Milking	9	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Fish farming	10	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Construction/ maintenance	11	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Spraying	12	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Scaring birds (for cereals)	13	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Other, specify	14	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|

Section F: Labour Input — Cont'd

F12					F13								F14
How many children and for how long were hired as temporary labourers from 1st October 2023 to 29th February 2024?					From 1st October 2023 to 29th February 2024, what was the share of work undertaken by persons who were hired as permanent or temporary labourers?								From 1st October 2023 to 29th February 2024, were any of the household members working permanently or temporarily for pay in cash or kind on any other agricultural holding? Yes.....1 No.....2 If 2>>G01
Month	Number		Payment Period in Days				Permanent		Temporary		Children(5-17) years		
	Boys	Girls	Boys	Girls	Operation	Code	Male	Female	Male	Female	Boys	Girls	
|__|	|__|	|__|	|__|	|__|	Ploughing	1	|__|	|__|	|__|	|__|	|__|	|__|	|__|
|__|	|__|	|__|	|__|	|__|	Planting	2	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Weeding	3	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Pruning	4	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Harvesting	5	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Bush clearing	6	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Herding	7	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Feeding	8	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Milking	9	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Fish farming	10	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Construction/ maintenance	11	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Spraying	12	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Scaring birds (for cereals)	13	|__|	|__|	|__|	|__|	|__|	|__|	
|__|	|__|	|__|	|__|	|__|	Other, specify	14	|__|	|__|	|__|	|__|	|__|	|__|	

F15									F16								
From 1st October 2023 to 29th February 2024, how many holding members worked permanently and for how long, on any other holding?									From 1st October 2023 to 29th February 2024, how many holding members worked temporarily and for how long, on any other holding?								
Month	Number		Payment Period in Days		Number		Payment Period in Days		Month	Number		Payment Period in Days		Number		Payment Period in Days	
	Male	Female	Male	Female	Boys	Girls	Boys	Girls		Male	Female	Male	Female	Boys	Girls	Boys	Girls
|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|

Section F: Labour Input — Cont'd

F17									
Record the number of employees by form of payment									
		Number of permanent labourers				Number of temporary labourers			
Form of payment		Males	Females	Boys	Girls	Males	Females	Boys	Girls
With money	1	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
With farm produce	2	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Exchange of labour	3	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
Other forms of in kind payment	4	|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|
		|__|	|__|	|__|	|__|	|__|	|__|	|__|	|__|

SECTION G:LAND UTILIZATION AND LEGAL STATUS

G01		G02		G03					G04						
Which of the household members is the holder? (Link this with the Household Member Roster)		What is the legal status of the Holder?		How is the total land operated by the holder used according to the following land use classes? (Area measured in acres with 2 decimal places)					What is the total area of holding by various uses? (Approximate to 2 decimal places)						
CODES		CODES		Code	Land Use		Area of land in acres		Parcel Number	Agricultural Land	Kitchen garden	Forest or wooded land	Other farmland	Use of trees on land owned by somebody else	Total Area of Land
Name of household member	|__|	A civil person	1	1	Land under temporary crops		|__|		1	|__|	|__|	|__|	|__|	|__|	|__|
		Group of civil persons	2	2	Land under temporary pastures		|__|		2	|__|	|__|	|__|	|__|	|__|	|__|
		Juridical person	3	3	Land temporarily fallow		|__|		3	|__|	|__|	|__|	|__|	|__|	|__|
				4	All other arable land		|__|		4	|__|	|__|	|__|	|__|	|__|	|__|
				5	Land under permanent crops		|__|		5	|__|	|__|	|__|	|__|	|__|	|__|
				6	Land under permanent pasture		|__|		6	|__|	|__|	|__|	|__|	|__|	|__|
				7	Wood or forest land		|__|		7	|__|	|__|	|__|	|__|	|__|	|__|
				8	All other land		|__|		8	|__|	|__|	|__|	|__|	|__|	|__|
				9	Total acreage		|__|								

SECTION H : LAND TENURE

[ASK OF ALL THOSE CONCERNED WITH FARMING IN THE HOUSEHOLD]. THE TIME REFERENCE IS THE LAST 12 MONTHS.
LIST IN H02 ALL PARCELS BEFORE COLLECTING DETAILS ON EACH.

	H01: Do you or does any member of your household use, own, or hold use rights for any parcel of land?					Yes.....1	NO.....2		(IF '2' »Go to next Module)	

	H02		H03	H04		H05				H06	
PARCEL SERIAL NO.	Please provide a list of parcel(s) of land that household members cultivated between 1st October to 29th February 2024.		Location of this parcel?	Who makes the decisions on input use and cropping activities on this parcel?		What is the area of the parcel?				How was the use or ownership rights of this [PARCEL] acquired?	
	LIST ALL PARCELS BEFORE COLLECTING INFORMATION ON EACH			GIVE LINE NUMBER FROM THE HH ROSTER . USE CODES BELOW IF NON-MEMBER		LAND AREA IN ACRES (THREE DECIMAL PLACE)					
										Purchased	1
				RELATIVE.....	94	MINIMUM AREA IS 0.125 (1/8) ACRES				Inherited	2
	TOTAL NO. OF PARCEL CULTIVATED			EMPLOYER.....	95					Allocated By Family Member	3
			GIVE COUNTY CODE	OTHER.....	96					Allocated By Non Relative	4
										Sharecropping	5
	|__|__|			DK.....	98					Allocated By Government	6
						1 Hectare = 2.47 Acres				Gift	7
										Rented In Short-Term (< 3 Years)	8
										Rented In Long-Term (> 3 Years)	9
	WRITE A NAME TO IDENTIFY PARCEL									Borrowed For Free	10
										Moved In/use Without Permission/Squatting	11
						Area Size				Other (Specify)	98
			County Code	Line Number						If "7-10" Skip to Next Parcel	
01			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	
02			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	
03			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	
04			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	
09			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	
10			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	
11			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	
12			|__|__|__|	|__|__|		|__|__|__|__|__|	|__|__|__|			|__|__|	

Section H : Land Tenure — Cont'd

[ASK OF ALL THOSE CONCERNED WITH FARMING IN THE HOUSEHOLD]. THE TIME REFERENCE IS THE LAST 12 MONTHS.
LIST IN H02 ALL PARCELS BEFORE COLLECTING DETAILS ON EACH.

H01: Do you or does any member of your household use, own, or hold use rights for any parcel of land?	Yes.....1	NO.....2		(IF '2' »Go to next Module)

H07	H08		H09		H10		H11		H12	
Which household member(s) name(s) are listed as owners or hold use right for this [PARCEL]?	Under which land category / classification is this [PARCEL]?		Under which tenure system is this [PARCEL]?		What type of document is there for this [PARCEL]		Currently, what is the use of this [PARCEL] of land?		Does the household member listed as owner for this [PARCEL] have the right to sell it or part of it, either alone or with someone else?	
							MULTIPLE RESPONSES			
GIVE LINE NUMBER(S) FROM THE HOUSEHOLD ROSTER					Title deed	1	Agricultural (Crop & Livestock)	A		
					Certificate of lease	2	Pastoral	B		
			Freehold	1	Short term lease	3	Forest	C		
			Leasehold (Private).....3	2	Letter of offer	4	To develop later	D		
			Leasehold (Government)	3	Temporary occupation license	5	For Speculation	E		
	Community land	1	Customary	4	Transfer deed	6	Rented	F		
	Private land	2	Squatting	5	Power of attorney	7	Leased	G	Yes	1
			Don't Know	98	Trust deed	8	Other (Specify)	H	No	2
					Settlement Scheme	9			Don't Know	98
					Confirmation of Grant	10				
					Share certificates	11				
					Allotment letters	12			If "1" or "98" Skip to H15	
					Sale Agreement	13				
					Rental Agreement	14				
					None	15				
					Don't Know	16				
					Other (Specify)	96				
__|__|	__|		__|__|		__|__|		__|__|		__|__|	
__|__|	__|		__|__|		__|__|		__|__|		__|__|	
__|__|	__|		__|__|		__|__|		__|__|		__|__|	
__|__|	__|		__|__|		__|__|		__|__|		__|__|	
__|__|	__|		__|__|		__|__|		__|__|		__|__|	
__|__|	__|		__|__|		__|__|		__|__|		__|__|	
__|__|	__|		__|__|		__|__|		__|__|		__|__|	
__|__|	__|		__|__|		__|__|		__|__|		__|__|	

Section H : Land Tenure — Cont'd

[ASK OF ALL THOSE CONCERNED WITH FARMING IN THE HOUSEHOLD]. THE TIME REFERENCE IS THE LAST 12 MONTHS.
LIST IN H02 ALL PARCELS BEFORE COLLECTING DETAILS ON EACH.

H01: Do you or does any member of your household use, own, or hold use rights for any parcel of land?	Yes.....1	NO.....2		(IF '2' »Go to next Module)

H13		H14		H15		H16		H17	
If no, Who can decide whether to or not to sell this [PARCEL]?		Does the household member listed as owner for this [PARCEL] have the right to bequeath it or part of it, either alone or with someone else?		If no, Who can decide whether to or not to bequeath this [PARCEL]?		On a scale of 1 to 5, where 1 is not at all likely and 5 is extremely likely, are the owner(s) likely to involuntarily lose ownership or use rights to this [PARCEL] in the next 5 years?		What is the MAIN reason for the likelihood to involuntarily lose ownership or use rights to this [PARCEL]?	
Relative	1	Yes	1	Relative	1	Not at all likely	1	Death of spouse	1
Government Official	2	No	2	Government Official	2	Slightly Likey	2	Intra-family	2
Customary Leader	3	Don't Know	98	Customary Leader	3	Moderately Likely	3	Divorce	3
Co-owner(s)	4			Co-owner(s)	4	Very Likely	4	Government pronouncement (e.g., compulsory acquisition etc.)	4
Other (Specify)	96			Other (Specify)	96	Extremely Likely	5	Corruption in land administration system (e.g., forgery of documents etc.)	5
						Don't Know	98	Community/ other conflicts	6
								Election Violence	7
		If "1" or "98" Skip to H15						Other (specify)	96
						If "1" Skip to Next Module			
__|__|		__|__|		__|__|		__|__|		__|__|	
__|__|		__|__|		__|__|		__|__|		__|__|	
__|__|		__|__|		__|__|		__|__|		__|__|	
__|__|		__|__|		__|__|		__|__|		__|__|	
__|__|		__|__|		__|__|		__|__|		__|__|	
__|__|		__|__|		__|__|		__|__|		__|__|	
__|__|		__|__|		__|__|		__|__|		__|__|	
__|__|		__|__|		__|__|		__|__|		__|__|	

SECTION I: FORESTRY/ WOODLOT

I01	I02	I03		I04		I05	I06	I07		I08
Serial number of parcels on holding (CAPI WILL PROVIDE)	Serial number of tree plot on holding	Is there a forest/ woodlot in the agriculture holding?		What is the type of forest on this holding?		What is the area under forest/woodlot? (IN ACRES)	What was the total number of tree(s) on the holding at the beginning of October 2023?	What was the source of seedling?		What are the tree species in the holding? (For mixed, provide three species)
		Yes	1	Mono-cropping	1	Area:		Own nursery	1	Provide list of common tree species 1.White acacia/ Acacia tortilis (Umbrella Thorn) 2.Moringa Oleifera (Moringa) 3.Azadirachta indica (Neem Tree) 4.Eucalyptus 5.Elgon Teak (Olea Capensis)- Mostly planted for ornamentals and shade trees 6.Meru Oak (Vitex keniensis)- Mostly planted for ornamentals and shade trees 7.Nandi Flame (Spathodea campanulate) 8.Podo (Podocarpus) 9.Mathenge (Prosopis chilensis) 10.Baobab (Mbuyu, Muyu, Mwaamba/ Muamba) 11.Silk Oak 12.Greenville 13.Cypress 14.Pines
		No	2	Mixed-cropping	2	(2 DECIMALS)		Donations	2	
								Government	3	
		If 2 skip to section J		If 1 skip to Q I06				private	4	
								Others (specify)	96	
Line Number			Code		Code		Area (Acres)		Code	
			|__|	|__|	|__|		|__|__|__|.|__|__|	|__|__|	|__|	|__|
			|__|	|__|	|__|		|__|__|__|.|__|__|	|__|__|	|__|	|__|
			|__|	|__|	|__|		|__|__|__|.|__|__|	|__|__|	|__|	|__|
			|__|	|__|	|__|		|__|__|__|.|__|__|	|__|__|	|__|	|__|
			|__|	|__|	|__|		|__|__|__|.|__|__|	|__|__|	|__|	|__|

Section I: Forestry/ Woodlot — Cont'd

I09		I10		I11				I12	I11	I13		I14		I15	
What is the purpose for producing these type of trees?		What was the total number of tree(s) planted between 1st October to 29th February 2024?		What is the total number of trees sold between 1st October to 29th February 2024?				What was total number of trees at the end of February 2024?	What was total number of trees at the end of February 2024?	What is the total cost of production?		Is agroforestry being practised in the holding?		What is the purpose of agroforestry?	
Own use only	1											Yes	1	Soil and water man agement	1
Sales only	2											No	2	Climate change mitigation/shade	2
Both	3			code "0" if no sales										Household income	3
														Other (Specify)	4
If "1" Skip to I12												If No, skip to next section			
Code		Number		Quantity	Price per Unit(KSh)		Value(KSh)	Number	Number	Labour	Other Costs				
|__|		|__|		|__|	|__|		|__|	|__|	|__|	|__|	|__|	|__|		|__|	
|__|		|__|		|__|	|__|		|__|	|__|	|__|	|__|	|__|	|__|		|__|	
|__|		|__|		|__|	|__|		|__|	|__|	|__|	|__|	|__|	|__|		|__|	
|__|		|__|		|__|	|__|		|__|	|__|	|__|	|__|	|__|	|__|		|__|	
|__|		|__|		|__|	|__|		|__|	|__|	|__|	|__|	|__|	|__|		|__|	

SECTION J: AGRICULTURAL TECHNOLOGY AND EXTENSION SERVICES

J01			J02		J03		J04					
Has this household been visited by an extension worker from 1st October 2023 to 29th February 2024?			How many times did an extension worker visit your household from 1st October 2023 to 29th February 2024?		Which of the following sources does the household use MAINLY for receiving agricultural extension services?		From 1st October 2023 to 29th February 2024,how many times (on demand and by routine) did the household receive advisory services on the following ?					
Yes.....	|__|		Duration	No. of times	Extension Service	Source (See code Below)		Advisory service	Received		Number of Times on Demand	Number of times on Routine
No.....	|__|	If No, Skip to next section	a) Last one week	|__|					Yes	No		
			b) Last one month	|__|	a)Farm Management	|__|	a) Type of seed to use		|__|	|__|	|__|	|__|
			d)Last 12 months	|__|	b)Selection of Crop Varieties	|__|	b) Plant Protection		|__|	|__|	|__|	|__|
					c)Input use e.g Fertilizers	|__|	c) Use of organic and inorganic fertilizers		|__|	|__|	|__|	|__|
					d)Credit	|__|	d) When to plant		|__|	|__|	|__|	|__|
					e)Farm mechanization	|__|	e) Crop spacing, weeding, thinning etc		|__|	|__|	|__|	|__|
					f)Animal Health	|__|	f) Use of Animal feeds		|__|	|__|	|__|	|__|
					g)Animal Husbandry	|__|	g) Use of veterinary drugs		|__|	|__|	|__|	|__|
					h)Plant Protection	|__|	h) Insemination		|__|	|__|	|__|	|__|
					i)Environmental Conservation	|__|	i) Market information		|__|	|__|	|__|	|__|
					j)Marketing	|__|	j) Other specify		|__|	|__|	|__|	|__|
					k)Training	|__|						
					Codes for J03							
					National Agricultural Advisory Services (NAADS)	1						
					County Government	2						
					Non Governmental Organzation(NGO)	3						
					Farmers Association	4						
					Private Entities	5						
					Other specify	6						

SECTION K: SOURCES OF AGRICULTURAL INFORMATION

K01				
What MAIN source does the household use to receive information related to agriculture?				
		Codes for Main source of agricultural information		
		Relatives, friends, neighbours		1
		Local Adminnistaration (elders, Assistant chiefs and chiefs)		2
		Village Development Committee		3
		school teachers		4
		Groups in communites (eg. Forest users, farmers)		5
		Religious leaders		6
		Extension workers		8
		Non -Governmental Organozations (NGOs)		9
		Radio, Television, Newspapers, Magazines, Bulletins		10
		Internet/Mobile phone messaging (SMS)		11
		Private sector(input suppliers, veterinarians, water vendors)		12
		Cooperatives		14
		Farmer to farmer		15
		National Agricultural Advisory Services (NAADS)		16
		Agricultural shows/ Exhibitions		17
		Other, specify		96
		Don't Know		98
Information on		None		99
a) Weather			CODE	
b) Crop varieties			|___|	
c) New agricultural practices			|___|	
d) Farm machinery			|___|	
e) Credit facilities			|___|	
f) Plant diseases and pests			|___|	
g) Animal Husbandry			|___|	
h) Animal health			|___|	
i) Marketing			|___|	

SECTION L: ACCESS TO FACILITIES AND SERVICES

L01		L02		L03		L04		LO5		LO6		
Did the household access or use any of the following agriculture production inputs sources from 1st October 2023 to 29th February 2024?		Did the household access or use any of the following mechanization services from 1st October 2023 to 29th February 2024?		Did the household receive or access any advisory services from the following sources from 1st October 2023 to 29th February 2024 ?		From 1st October 2023 to 29th February 2024, did the household receive or access any of the following post-production support services?		Currently, what is the average distance in KM the households travels in order to access the following facilities?		From 1st October 2023 to 29th February 2024, did the household access financial services for the following?		
	1= Yes		1= Yes		1= Yes		1= Yes	2 DECIMALS				
	2= No		2= No		2= No		2= No				Yes	No
Crops, Fodder/pasture production inputs providers	|___|	Land ploughing, harrowing, ripping services	|___|	Government Extension Service providers	|___|	Commodity aggregators; storage service providers	|___|	Reliable functional agricultural market	|___|	Purchase or hire land	1	2
Livestock; Fish production inputs providers	|___|	Seeds/seedlings planting, fertilizer application services	|___|	Private sector; NGOs-led extension services	|___|	Milk cooling, Processors, or value addition; honey/ bee wax processing	|___|	Livestock Marketing Yard	|___|	Purchase Livestock and support livestock production.	1	2
Fertilizer eggs; Hatcheries; day old chicks sources	|___|	Meachnical weeding services	|___|	Farmer-led extension services	|___|	Slaughter houses; abattors; hides, skins, wools dealers	|___|	Commodity aggregation center; collection points; commodity processing center	|___|	Purchase agricultural equipment, tractor, lorry, other tools	1	2
Soil Testing Service providers	|___|	Crops harvesting, sorting, grading services	|___|	Digital/online Extension Services	|___|	Crop procude processing, milling facilities	|___|	All year round gravel road	|___|	Start Agribusiness, value addition, processing business	1	2
Crops seedlings Nurseries	|___|	crops weeds, pests spraying services	|___|			Commodity drying facilities	|___|	Tarmac road	|___|	Purchase crops inputs and support crop farming	1	2
Fingerlings producers; fishing gears dealers;	|___|	Hay bailing and storage services	|___|			Fruits and Horticulture Cold Storage Facilities	|___|	Feeder Road	|___|	Take crop or livestock insurance cover	1	2
Farm yard/ Boma Mannure Providers	|___|	Livestock feeds cutters, grinding, mixing services	|___|			Any other production service (specify)	|___|	Reliable water source for livestock	|___|	Put up other farming infrastructure	1	2
AI and other animal reproduction service providers	|___|	Livestock milking services	|___|			Cold chain facilities	|___|	Communal grazing fields with adequate fodder/ pasture	|___|	Grant as part of a commodity support fund	1	2
Veterinary and other animal health service providers	|___|	Bees harvesting services	|___|			Livestock feed storage/ silos/ bins	|___|					
Hay distribution and selling services	|___|	Other Agric production inputs providers (Specify)	|___|									
Apiary/Bee keeping service providers	|___|		|___|									
Government inputs providers	|___|											
Livestock water tracking services	|___|											
Other farmer groups producing / bulking seeds or seedlings providers	|___|											
Other Agric production inputs providers (Specify)	|___|											

SECTION M:MEANS OF TRANSPORTATION

	M01		M02
	Did you or your household use any of the following means of transport for agricultural activities from 1st October 2023 to 29th February 2024?		How did you or your household mainly access [TRANSPORT TYPE] (record only the main type of access)
	1= Yes 2=No If No, go to next line		"1= Own 2= Borrowed 3= Hired 4= Government free service 5=Paid fare 6=Provided by Farmers Cooperative or Organizations 7= Provided by donor, Faith based Organisation; NGO, etc"
	TRANSPORT TYPE	CODE	CODE
01	Head loading / back loading	|___|	|___|
02	Car / pick up/ Tuk Tuk	|___|	|___|
03	Lorry	|___|	|___|
04	Tractor	|___|	|___|
05	Motor cycle	|___|	|___|
06	Bicycle	|___|	|___|
07	Oxen	|___|	|___|
08	Donkeys / mules	|___|	|___|
09	Boat	|___|	|___|
10	Ferry	|___|	|___|
11	Cart/ Mkokoteni	|___|	|___|
12	WheelBarrow	|___|	|___|
13	Public service transport	|___|	|___|
14	Camels	|___|	

SECTION N: STORAGE FACILITIES

N01	N02	N03			N04	N05
From 1st October 2023 to 29th February 2024, did the household use any storage facilities?	What was the purpose of utilising storage?	IF YES; what storage facility(ies) did the farming household use from 1st October 2023 to 29th February 2024? (including household-owned and community facilities)			What is the storage capacity/ volume of each of these storage facilities in m3?	Of the used storage facilities, what was the status of ownership?
						1= Owned by farming household
						2= Leased/hired from private sector
						3= Provided by government
						4= Provided by farmer organizations; coop society
						5= Provided by NGOs, other donors
		STORAGE FACILITIES		CODE	VOLUME (M3)	CODE
1= Yes	To keep stocks.....1	01	Improved granary	|___|	|___|___|___|___|	|___|
2= No >> Next Module	Speculation purposes.....2	02	Traditional granary	|___|	|___|___|___|___|	|___|
	Minimize postharvest losses or increase value.....3	03	In the house	|___|	|___|___|___|___|	|___|
	Other Specify.....99	04	Specific House/room	|___|	|___|___|___|___|	|___|
	|___|	05	Under shelter outside	|___|	|___|___|___|___|	|___|
	|___|	06	Cribs	|___|	|___|___|___|___|	|___|
	|___|	07	Grain silos	|___|	|___|___|___|___|	|___|
	|___|	08	Tree branches	|___|	|___|___|___|___|	|___|
	|___|	09	Hay racks	|___|	|___|___|___|___|	|___|
	|___|	10	Hay stores	|___|	|___|___|___|___|	|___|
	|___|	11	Small containers or bags silo	|___|	|___|___|___|___|	|___|
	|___|	12	Stack silos	|___|	|___|___|___|___|	|___|
	|___|	13	Bunker silos	|___|	|___|___|___|___|	|___|
	|___|	14	Pit silo	|___|	|___|___|___|___|	|___|
	|___|	15	Cold rooms	|___|	|___|___|___|___|	|___|
	|___|	16	Over fire place	|___|	|___|___|___|___|	|___|
	|___|	17	Sealed containers	|___|	|___|___|___|___|	|___|
	|___|	18	Milk coolers	|___|	|___|___|___|___|	|___|
	|___|	19	Community managed stores	|___|	|___|___|___|___|	|___|
	|___|	20	Fish stores	|___|	|___|___|___|___|	|___|
	|___|	21	Livestock feeds/ Silage Bins	|___|	|___|___|___|___|	|___|
	|___|	22	Gunny Bags	|___|	|___|___|___|___|	|___|
	|___|	23	Sisal bags	|___|	|___|___|___|___|	|___|
	|___|	24	Other, Specify	|___|	|___|___|___|___|	|___|

SECTION O: IRRIGATION SYSTEM

O01			O02			O03			O04		O05		O06		
Does the holding have any type of irrigation?			What is the size of the land area (acres) equipped for irrigation?			What is the actual land area (acres) under irrigation of the holding?			What is the size of the agricultural area (acres) actually irrigated?		What is the size of the cropland (acres) actually irrigated?		What is the source of water for irrigation?		
			<=H03												
YES	1	|__|											River/Lake/Pond/Waterpan/Spring/ Stream	1	|__|
NO	2	|__|				O03<=O02							Dam/Reservoir	2	|__|
													Borehole	3	|__|
													Shallow well	4	|__|
(IF '2' » O17)									2 DECIMALS		2 DECIMALS		County water supply/WASCOs	5	|__|
													Harvested rain water	6	|__|
This question is single-select													Treated waste water	7	|__|
													Others	8	|__|
|__|			|__|__|	.	|__|__|	|__|__|	.	|__|__|		|__|__|__|	.	|__|__|	.	*This question is multiple-select*		

O07			O08		O09			O10			O11					
What is the reliability of the water source?			Do you have a storage facility for water used for irrigation?		What is the capacity of the storage facility (m3)?			What is the method of abstraction of irrigation water of the household?			What is the method of application of irrigation water for the household?					
								Gravity	1	|__|	Method of Irrigation	Code	Total Size of Land Irrigated (acres)			
More than adequate to meet all irrigation requirements throughout the year	1	|__|	Yes	1 |__|				Pumping (Electricity)	2	|__|	Surface Irrigation	1	|__|	|__|__|__|__|	.	|__|__|
Just adequate to meet irrigation requirements	2	|__|	No	2 |__|				Pumping (Fuel)	3	|__|	Sprinklers	2	|__|	|__|__|__|__|	.	|__|__|
Inadequate in some months	3	|__|						Pumping (Solar)	4	|__|	Drip	3	|__|	|__|__|__|__|	.	|__|__|
Inadequate throughout the year	4	|__|			0 - 1500	1	|__|	Buckets/Rope and a bucket	5	|__|	Buckets	4	|__|	|__|__|__|__|	.	|__|__|
			If 2>>>>>O10		1501 - 3000	2	|__|	Manual methods	6	|__|	Others	5	|__|	|__|__|__|__|	.	|__|__|
					Above 3000	3	|__|	Others	7	|__|						
This question is single-select								*This question is multiple-select*			*This question is multiple-select*					

Section O: Irrigation System — Cont'd

O12			O13			O14		O15			O16			O17			O18		
Who developed the irrigation system for the household?			Is the household part of an association or a management unit of the irrigation infrastructure in place?			What is the name of the association or the management unit?		Does the association or management unit charge the household an irrigation service fee?			What are the charges based on?			Does the household have a cropping calendar?			Is the household part of a Farmer Producer and Marketing Group?		
This question is multiple-select. The National Government Agencies requires a drop-down								YES	1	|__|	Individual Meter	1	|__|	YES	1	|__|	YES	1	|__|
						(enter full name as provided by respondent)		NO	2	|__|	Group Meter	2	|__|	NO	2	|__|	NO	2	|__|
											Acreage	3	|__|						
National Government Agencies:			YES	1	|__|			(IF '2' » O017)			Others	4	|__|						
Ministry of Agriculture and Livestock Development	01	|__|	NO	2.	|__|														
Ministry of Water, Sanitation and Irrigation	02	|__|																	
National Irrigation Authority	03	|__|	(IF '2' » O015)																
National Wwater Harevsting and Storage Authority	04	|__|																	
Regional Development Authorities	05	|__|																	
County Government	06	|__|																	
Non-Governmental Organization	07	|__|									*This question is single-select*								
Self initiative	08	|__|																	
Private arrangements (through groups, welfare etc)	09	|__|																	
Other	10	|__|																	

SECTION P: WATER MANAGEMENT PRACTICES AND FLOODING/WATER RETENTION

					HOLDING EXPOSURE TO FLOODING/WATER RETENTION						
P01			P02		P03			P04			P05
Does the holding engage in any water management practice?		What other types of water management practices are carried out on the holding?			Is the holding prone to flooding or to water retention?			Does the holding undertake any drainage of the land?			What is the total size of agricultural land drained?
YES	1										
NO	2										(in acres - 2 decimal places)
(IF '2' » P03)					YES	1	|__|	YES	1	|__|	
					NO	2	|__|	NO	2	|__|	
											|__||__||__|.|__||__|
		Management practice									
`		Wetland and inland valley bottoms		|__|	(IF '2' » Section Q)			(IF '2' » Section Q)			
		Flood recession cultivation		|__|							
		Spate irrigation		|__|							
		Other(specify)		|__|							
		This question is single-select			*This question is single-select*			*This question is single-select*			

SECTION Q: PERMANENT CROPS

Q01		Q02	Q03	Q04		Q05		Q06	Q07
Did the household grow tree crop(s) at anytime from 1st October 2023 to 29th February 2024?		What was the main source of water used in growing the {tree crop}?	For each {tree crop} what was the production system?	What was the area under cultivation for {tree crop} in acres(For compact)?		What was the number of {tree crop} cultivated from 1st October 2023 to 29th February 2024(For scattered)?		What was the yield realized from the {tree crop} from 01st October 2023 to 29th February 2024?	How much of the harvest was consumed by the household from 1st October 2023 to 29th February 2024? IF NONE, CODE 00000
				For productive permanent crop.....1					
Yes.....1			Compact.....1						
No.....2		Rainfed.....1	Scattered.....2						
		Irrigated.....2		For non-productive permanent crop...2					
If Yes, select from the list									
If No, Skip to R01									
CAPI: Ensure that the selected crop will be the reference crop from Q02 to Q07						Number			
Tree Crop	CODE	CODE	CODE	Productive	Non- Productive	Productive	Non- Productive	KGS	KGS
Avocados	1								
Cashew nut	2								
Jack-Fruit	3								
Lemon and Limes	4								
Mangoes	5								
Oranges	6								
Pawpaws	7								
Coffee	8								
Tea	9								
Apples	10								
Miraa	11								
Castor	12								
Coconut	13								
Dragon fruit	14								
Pears	15								
Plums	16								
Loquats	17								
Custard Apple	18								
Guavas	19								
Tangerines	20								
Other fruits and nuts	99								

Section Q: Permanent Crops — Cont'd

Q08	Q09	Q10	Q11	Q12	Q12_1	Q13	Q14	Q15
How much of the harvest was sold? (IF NONE, CODE 00000 »Q11)	How much was earned from this sale?	What was the Main market channel?	How much of the harvest was sold on the farm? (IF NONE, CODE 00000 »Q16)	What was the Unit of sale?	'What was the standard Unit of sale?	What was average price paid per unit of sale?	What was average price paid per KG/ Ltr for the sales?	How much was earned from this sales on farm?
				See codes				
		On Farm.... 1		Grams.....1				
		Local Market .. 2		Kilograms.....1				
		Roadside 3		Debe/Bucket.....2				
		Factory/processor ... 4		Bunch.....3				
		Exported 5		Handful.....4				
		Other, Specify 6		Pakacha.....5				
				Gorogoro.....6				
				Bowl.....7				
				Cup.....8				
				Glass.....9				
				Tin.....10				
				Pieces....11				
				Others(Specify).....12				
KGS	Ksh.	Code	KGS			Ksh.	Ksh.	Ksh.
				Code				

Section Q: Permanent Crops — Cont'd

Q16	Q17	Q18	Q19	Q20	Q21	Q22	Q23
How much of the harvest was retained as seed by the household? IF NONE, CODE 00000	How much of the harvest was given to livestock by the household? IF NONE, CODE 00000	How much of the harvest was given to labourers as payment in-kind? IF NONE, CODE 00000.	How much of the harvest is still being stored by the household? IF NONE, CODE 00000	How much of the harvest was lost / wasted? (IF NONE, CODE 00000 » Q22)	What was the cause of loss or wastage? LIST TWO MAIN REASONS	How much of the harvest went to donations? IF NONE, CODE ZEROES.	How much of the harvest went to other uses? IF NONE, CODE ZEROES.
					WEEVILS.....1		
					GRAIN BORER.....2		
					RODENTS.....3		
					FLOODS.....4		
					DOMESTIC ANIMALS.....5		
					WILD ANIMALS.....6		
					STORAGE RELATED.....7		
					THEFT.....8		
					TRANSPORT RELATED.....9		
					FIRE.....10		
					OTHER (SPECIFY).....96		
KGS	KGS	KGS	KGS	KGS	Reason	KGS	KGS
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		
					___		

SECTION R: TEMPORARY xCROPS (NON-PERMANENT)

R00	R01													
PARCEL SERIAL NO.	Did the household grow temporary crop(s) at anytime from 01st October 2023 to 29th February 2024?													
	Yes.....1													
	No.....2													
					If YES, select the crops									
	Code appropriately				*If No Skip to next section*									
	CAPI: Ensure that the selected crop will be the reference crop from R02 to R09													
		CODE		CODE		CODE		CODE		CODE		CODE		CODE
	Bulrush millet	1	Cowpeas	17	Tobacco	33	Sisal	49	Mushroom	65	Green Grams	81	Aloe Vera	97
	Butter Nut	2	Cucumbers	18	Tomatoes	34	Slender Leaf	50	Oats	66	Groundnuts	82	Amaranths	98
	Cabbages	3	Dolichos	19	Tree Tomato	35	Sorghum	51	Okra	67	Jutemallow	83	Arrow root	99
	Capsicum	4	Dudhi	20	Tumeric	36	Soybeans	52	Orchids	68	Kales	84	Asparagus	100
	Carnations	5	Easter Lilly	21	Tunguja	37	Spider plant	53	Pyrethrum	69	Karella	85	Baby Corn	101
	Carrots	6	Eggplant	22	Turia	38	Spinach	54	Radish	70	Kikuyu grass	86	Bambara	102
	Cassava	7	Erygium	23	Turnip	39	Spring Onions	55	Rapeseed	71	Leaf Amaranth	87	Bananas	103
	Cauliflower	8	Finger Millet	24	Valore	40	Stevia	56	Rice	72	Leeks	88	Barley	104
	Celery	9	French Beans	25	Vanilla	41	Stinging Nettle	57	Rosemary	73	Lemon Grass	89	Basil	105
01	Chickpeas	10	Garden Peas	26	Veronica	42	Strawberries	58	Roses	74	Lettuce	90	Beans	106
02	Chilies	11	Garlic	27	Water melon	43	Sugar Beet	59	Rye	75	Linseed	91	Beetroot	107
03	Chives	12	Ginger	28	Wheat	44	Sugar Cane	60	Simsim	76	Lupins	92	Bixa	108
04	Cinnamon	13	Plantains	29	Papyrus	45	Sunflower	61	Grain Amaranthus	77	Maize	93	Black Nightshade	109
09	Corriander	14	Potatoes	30	Parsley	46	Sweet Potatoes	62	Gladiolus	78	Mint	94	Broad Beans	110
10	Cotton	15	Pumpkins	31	Passion fruits	47	Sweet Sorghum	63	Yams	79	Mobydick	95	Broccoli	111
11	Courgettes	16	Pineapples	32	Pigeon Peas	48	Tindori	64	Bulb Onion	80	Moringa	96	Others	999

Section R: Temporary Xcrops (Non-Permanent) — Cont'd

R02	R03	R04	R05	R06	R07	R08	R09
How many times was planting of {the crop} done in the parcel from 01st October 2023 to 29th February 2024?	What was the MAIN source of water used in growing {the crop}?	For each of {the crop}, what is the MAIN purpose for growing the crop?	For each of {the crop} what is the production system?	What was the area under {Crop Name} from 01st October 2023 to 29th February 2024?	What was the area harvested for {Crop Name} from 01st October 2023 to 29th February 2024?	What was the total production realized from {Crop Name} from 01st October 2023 to 29th February 2024?	How much of the harvest was consumed by the household from 01st October 2023 to 29th February 2024?
			Multiple selection				
			Mono cropping.....1				(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)
	Rainfed.....1	Subsistence.....1	Intercropping.....2				IF NONE, CODE 00000 SKIP TO R18
	Irrigated.....2	Commercial.....2	Greenhouses.....3				
Number	CODE	CODE	CODE	ACRES	ACRES	KGS	KGS

Section R: Temporary Xcrops (Non-Permanent) — Cont'd

R10	R11	R12	R13	R14	R15	R16	R17	R18
How much of the harvest was sold? (IF NONE, CODE 00000 »R12)	How much was earned from this sale?	What was the Main market channel?	How much of the harvest was sold on the farm? (IF NONE, CODE 00000 »R18)	What was the Unit of sale?	'What was the standard Unit of sale?	What was average price paid per KG for the sales?	How much was earned from this sales on farm?	How much of the harvest was retained as seed by the household? IF NONE, CODE 00000
				See codes				
(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)		On Farm 1	(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)	Grams.....1				(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)
		Local Market 2		Kilograms.....1				
		Roadside 3		Debe/ Bucket.....2				
		Factory/processor 4		Bunch.....3				
		Exported 5		Handful.....4				
		Other, Specify 6		Pakacha.....5				
				Gorogoro.....6				
				Bowl.....7				
				Cup.....8				
				Glass.....9				
				Tin.....10				
				Pieces.....11				
				Others(Specify).....12				
KGS	KSH.	Code	KGS		KSH.	KSH.	KSH.	KGS
				Code				

Section R: Temporary Xcrops (Non-Permanent) — Cont'd

R19	R20	R21	R22	R23	R24	R25	R26	
How much of the harvest was given to livestock by the household? IF NONE, CODE 00000	How much of the harvest was given to labourers as payment in-kind? IF NONE, CODE 00000.	How much of the harvest is still being stored by the household? IF NONE, CODE 00000	How much of the harvest was lost / wasted? (IF NONE, CODE 00000 » R24)	What was the cause of loss or wastage? LIST TWO MAIN REASONS	How much of the harvest went to donations? IF NONE, CODE ZEROES.	How much of the harvest went to other uses? IF NONE, CODE ZEROES.	What sustainable soil and water management practices did the household carry out on the holding between 1st October 2023 to 29th February 2024?	
				WEEVILS.....1				
	(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)	(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)	(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)	GRAIN BORER.....2	(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)	(FOR 'GREEN MAIZE', RECORD QUANTITY IN PIECES)		
				RODENTS.....3				
				FLOODS.....4				
				DOMESTIC ANIMALS.....5			Select the practices from the list provided(Multiselect)	
				WILD ANIMALS.....6				
				STORAGE RELATED.....7				
				THEFT.....8				
				TRANSPORT RELATED.....9				
				FIRE.....10				
				OTHER (SPECIFY).....96				
KGS	KGS	KGS	KGS	Reason	KGS	KGS	CODES	
				|__|__|			Mulching	1
				|__|__|			Minimum Tillage	2
				|__|__|			Manuring/Composting	3
				|__|__|			Contour ploughing/Ridging	4
				|__|__|			Conservation agriculture	5
				|__|__|			Zai pits	6
				|__|__|			Trash line	7
				|__|__|			Terracing	8
				|__|__|			Cambered beds	9
				|__|__|			Cut-off drains	10
				|__|__|			Cover cropping	11
				|__|__|			Use of grass strips	12
				|__|__|			Fallowing	13
				|__|__|			Organic farming	14
				|__|__|			Integrated pest management	15
				|__|__|			River bank protection	16

SECTION S: AGRICULTURAL INPUTS BY CROP

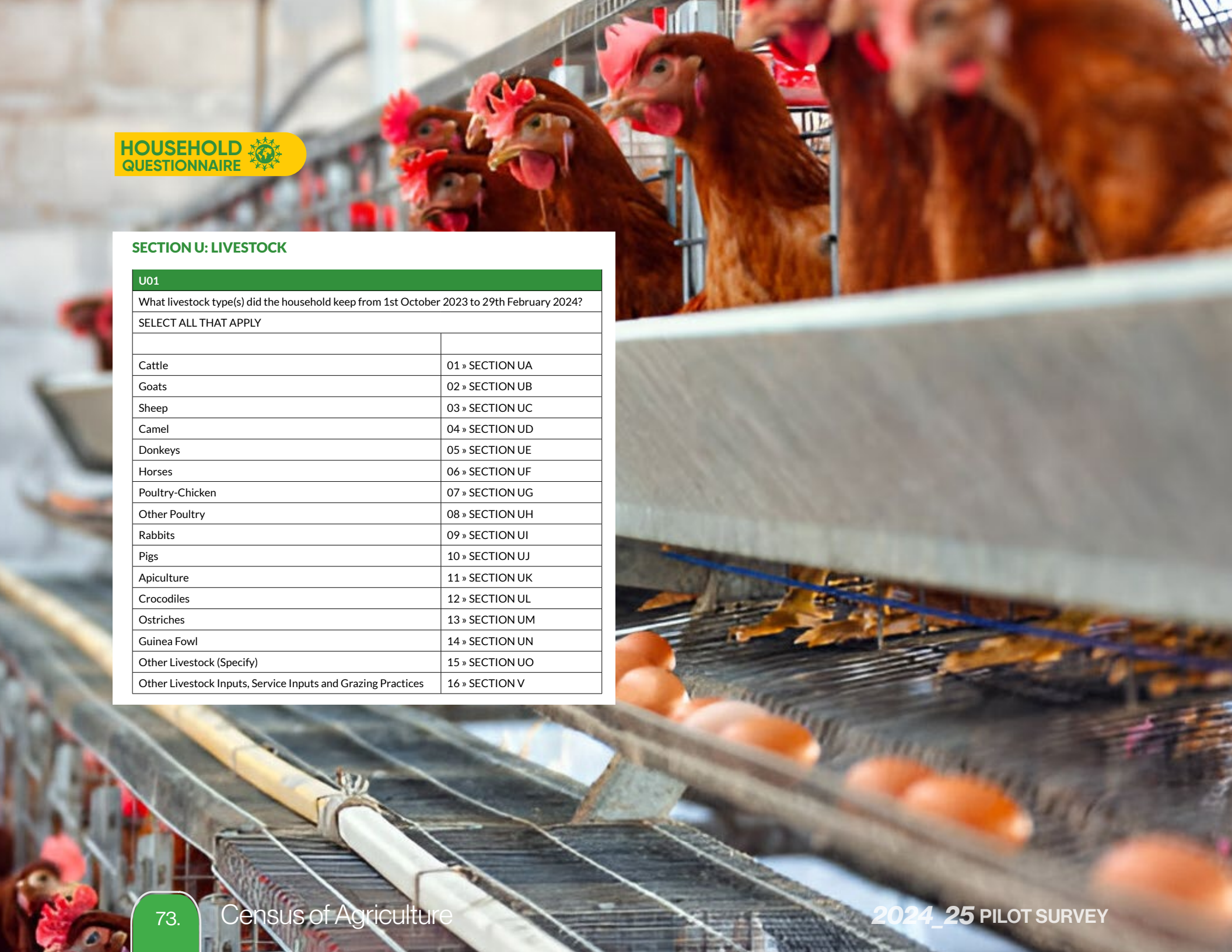
CAPI: Kindly pull the selected crops in the sections on Temporary and Permanent crops

S01		S02			S03		S04	S05	S06					S07	
Did you use agricultural inputs from 1st October 2023 to 29th February 2024?		Were any of the following agricultural inputs used from 1st October 2023 to 29th February 2024? {Multiple choices}			If used, what is the MAIN supply source?		What quantity of the input was purchased?	What were the TOTAL expenses associated with these purchases?	Month(s) of application from 1st October 2023 to 29th February 2024 (Please tick) for the input in S02					What was the main reason for not using input ...?	
					Self-production	1			O	N	D	J	F		
Yes	1				Agrodealers	2	Add a question on unit							No knowledge	1
No	2				Government Subsidy	3								Too Expensive	2
If YES, select all that apply					Government	4								Not available	3
If NO >>S07					County Government	5								No need	4
		Check appropriately			Cooperatives/ Societies	6								Other, Specify	99
					NGO	7									
CODE		Agricultural Inputs		Unit	CODE		Unit	Ksh	MONTH					CODE	
|____|		Ammonia Anhydrous	1	Kg	|____|		|____|	|____|						|____|
|____|		Ammonium Hydroxide	2	Kg	|____|		|____|	|____|						|____|
|____|		Calcium Nitrate	3	Kg	|____|		|____|	|____|						|____|
|____|		CAN	4	Kg	|____|		|____|	|____|						|____|
|____|		DAP	5	Kg	|____|		|____|	|____|						|____|
|____|		Double Super Phosphate	6	Kg	|____|		|____|	|____|						|____|
|____|		Magnesium Nitrate	7	Kg	|____|		|____|	|____|						|____|
|____|		MAP	8	Kg	|____|		|____|	|____|						|____|
|____|		MOP	9	Kg	|____|		|____|	|____|						|____|
|____|		NPK	10	Kg	|____|		|____|	|____|						|____|
|____|		Phosphate Rock	11	Kg	|____|		|____|	|____|						|____|
|____|		Potassium Nitrate	12	Kg	|____|		|____|	|____|						|____|
|____|		Potassium Sulphate	13	Kg	|____|		|____|	|____|						|____|
|____|		Sulphate of Ammonia	14	Kg	|____|		|____|	|____|						|____|
|____|		Superphosphate	15	Kg	|____|		|____|	|____|						|____|
|____|		TSP	16	Kg	|____|		|____|	|____|						|____|
|____|		Urea	17	Kg	|____|		|____|	|____|						|____|
|____|		Organic Manure	18	Kg	|____|		|____|	|____|						|____|
|____|		Organic liquid fertilizer	19	Litres	|____|		|____|	|____|						|____|
|____|		Local seeds	20	Kgs	|____|		|____|	|____|						|____|
|____|		Improved/Hybrid seeds	21	Kgs	|____|		|____|	|____|						|____|
|____|		Water purchased	22	Litres	|____|		|____|	|____|						|____|
|____|		Herbicides	23	Litres	|____|		|____|	|____|						|____|
|____|		Insecticides	24	Litres	|____|		|____|	|____|						|____|
|____|		Fungicides	25	Litres	|____|		|____|	|____|						|____|
|____|		Molluscides	26	Litres	|____|		|____|	|____|						|____|
|____|		Plant hormones	27	Litres	|____|		|____|	|____|						|____|
|____|		Fuel	28	Litres	|____|		|____|	|____|						|____|
|____|		Lubricants and grease purchased	29	Litres	|____|		|____|	|____|						|____|
|____|		Electricity	30	Kwh	|____|		|____|	|____|						|____|
|____|		Packing materials purchased (bags,cartons etc)	31	Number	|____|		|____|	|____|						|____|
|____|		Protective clothing	32	Number	|____|		|____|	|____|						|____|
|____|		Spares and maintenance of machinery	33	Number	|____|		|____|	|____|						|____|
|____|		Commercially prepared Animal feeds	34	Kgs	|____|		|____|	|____|						|____|
|____|		None	35		|____|		|____|	|____|						|____|
|____|		Other(Specify)	99		|____|		|____|	|____|						|____|

SECTION T: AGRICULTURAL EQUIPMENT

For any of the equipment (used from 1st October 2023 to 29th February 2024) in the table below, select the appropriate answers
(Read out the types of equipment listed below as appropriate, and for each type record whether it was used or not.
T01 Did the household use farm equipment and machinery from 1st October 2023 to 29th February 2024? YES=1 NO=2

T01_1		T02	T03		T04	
Did the household use the following farm equipment and machinery from 1st October 2023 to 29th February 2024?		What was the number of {ITEM} used?	What is the condition of {ITEM}?		Who owns the {ITEM}? Code appropriately	
(Code appropriately)			Serviceable	1	Self / Family	1
Yes	1		Defective	2	Community	2
No	2		Obsolete	3	Hirer	3
					Government	4
If Yes, Select all that apply					Cooperatives	5
If >> 2, skip to the next section						
	Code	Number	Code		Code	
Hoes	1	|____||____||____|	|____|		|____|	
Axes	2	|____||____||____|	|____|		|____|	
Slashers	3	|____||____||____|	|____|		|____|	
Pangas	4	|____||____||____|	|____|		|____|	
Watering cans	5	|____||____||____|	|____|		|____|	
Wheelbarrows	6	|____||____||____|	|____|		|____|	
Pruning knives	7	|____||____||____|	|____|		|____|	
Pruning saws	8	|____||____||____|	|____|		|____|	
Chain/hand saw	9	|____||____||____|	|____|		|____|	
Sheller	10	|____||____||____|	|____|		|____|	
Spade	11	|____||____||____|	|____|		|____|	
Fork hoe	12	|____||____||____|	|____|		|____|	
Tractor	13	|____||____||____|	|____|		|____|	
Plough	14	|____||____||____|	|____|		|____|	
Ox-plough	15	|____||____||____|	|____|		|____|	
Trailer	16	|____||____||____|	|____|		|____|	
Harrow/cultivator	17	|____||____||____|	|____|		|____|	
Weeder	18	|____||____||____|	|____|		|____|	
Planter	19	|____||____||____|	|____|		|____|	
Sprayer	20	|____||____||____|	|____|		|____|	
Pail	21	|____||____||____|	|____|		|____|	
Milk can	22	|____||____||____|	|____|		|____|	
Pick axes	23	|____||____||____|	|____|		|____|	
Rakes	24	|____||____||____|	|____|		|____|	
Feeders	25	|____||____||____|	|____|		|____|	
Waterers	26	|____||____||____|	|____|		|____|	
Burdizzo	27	|____||____||____|	|____|		|____|	
Hoof trimmer	28	|____||____||____|	|____|		|____|	
Smoker	29	|____||____||____|	|____|		|____|	



HOUSEHOLD QUESTIONNAIRE

SECTION U: LIVESTOCK

U01	
What livestock type(s) did the household keep from 1st October 2023 to 29th February 2024?	
SELECT ALL THAT APPLY	
Cattle	01 » SECTION UA
Goats	02 » SECTION UB
Sheep	03 » SECTION UC
Camel	04 » SECTION UD
Donkeys	05 » SECTION UE
Horses	06 » SECTION UF
Poultry-Chicken	07 » SECTION UG
Other Poultry	08 » SECTION UH
Rabbits	09 » SECTION UI
Pigs	10 » SECTION UJ
Apiculture	11 » SECTION UK
Crocodiles	12 » SECTION UL
Ostriches	13 » SECTION UM
Guinea Fowl	14 » SECTION UN
Other Livestock (Specify)	15 » SECTION UO
Other Livestock Inputs, Service Inputs and Grazing Practices	16 » SECTION V

SECTION UA: CATTLE

This section applies to those who responded '01' in U01.

UA01		UA02_1		UA02_2								UA03_1		
What was the type of Cattle kept between 1st October 2023 to 29th February 2024?		What type of breed for Exotic Dairy Cattle did the household keep between 1st October 2023 to 29th February 2024?		How many […] did the household have at the beginning of October 2023?								Did the household sell any […] between 1st October 2023 to 29th February 2024?		
CHECK THAT U01 IS '01'		CHECK THAT UA01 IS '01'										CHECK SELECTIONS IN UA02_1		
					Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)					
					Male	Female	Male	Female	Male	Female		Yes	No
Dairy	01	Freshian	01	Freshian	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Freshian	01	02
Dual Purpose	02	Ayrshire	02	Ayrshire	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Ayrshire	01	02
Beef	03	Jersey	03	Jersey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Jersey	01	02
		Guernsey	04	Guernsey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Guernsey	01	02
		Interbreed	05	Interbreed	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Interbreed	01	02
		Upgraded Dairy	06	Upgraded Dairy	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Upgraded Dairy	01	02
												IF '02' TO ALL SKIP TO UA04_1		

UA03_2							UA03_3						
How many […] did the household sell between 1st October 2023 to 29th February 2024?							What was the average price of one […]?						
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)			Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female
Freshian	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|		Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh
Ayrshire	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Freshian	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Jersey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Ayrshire	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Guernsey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Jersey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Interbreed	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Guernsey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Upgraded Dairy	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Interbreed	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
							Upgraded Dairy	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
INCASE SOME WERE NOT SOLD, INDICATE 'ZEROS' AND NO CORRESPONDING ANSWERS IN THE QUESTIONS THAT FOLLOW ON PRICE AND VALUE										`			

Section UA: Cattle— Cont'd

UA03_4							UA04_1			UA04_2						
How much in total (KSh) did the household receive from the sale of […]? INCLUDE VALUE OF IN KIND PAYMENTS							Did the household consume any […] between 1st October 2023 to 29th February 2024?			How many […] did the household consume between 1st October 2023 to 29th February 2024?						
							CHECK SELECTIONS IN UA02_1									
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)						Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female
	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Freshian	01	02	Freshian	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Freshian	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Ayrshire	01	02	Ayrshire	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Ayrshire	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Jersey	01	02	Jersey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Jersey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Guernsey	01	02	Guernsey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Guernsey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Interbreed	01	02	Interbreed	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Interbreed	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Upgraded Dairy	01	02	Upgraded Dairy	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Upgraded Dairy	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|										
							IF '02' TO ALL SKIP TO UA05_1									

UA05_1			UA05_2							UA06_1			UA06_2						
Did the household lose any […] through death between 1st October 2023 to 29th February 2024?			How many […] did the household lose through death between 1st October 2023 to 29th February 2024?							Did the household lose any […] through theft between 1st October 2023 to 29th February 2024?			How many […] did the household lose through theft between 1st October 2023 to 29th February 2024?						
CHECK SELECTIONS IN UA02_1										CHECK SELECTIONS IN UA02_1									
				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)						Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Yes	No		Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female
Freshian	01	02	Freshian	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Freshian	01	02	Freshian	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Ayrshire	01	02	Ayrshire	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Ayrshire	01	02	Ayrshire	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Jersey	01	02	Jersey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Jersey	01	02	Jersey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Guernsey	01	02	Guernsey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Guernsey	01	02	Guernsey	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Interbreed	01	02	Interbreed	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Interbreed	01	02	Interbreed	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Upgraded Dairy	01	02	Upgraded Dairy	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Upgraded Dairy	01	02	Upgraded Dairy	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
IF '02' TO ALL SKIP TO UA06_1										IF '02' TO ALL SKIP TO UA07_1									

Section UA: Cattle— Cont'd

UA07_1			UA07_2								UA08_1			UA08_2							
Did the household give away any […] between 1st October 2023 to 29th February 2024?			How many […] did the household give away between 1st October 2023 to 29th February 2024?								Did the household purchase any […] between 1st October 2023 to 29th February 2024?			How many […] did the household purchase between 1st October 2023 to 29th February 2024?							
CHECK SELECTIONS IN UA02_1											CHECK SELECTIONS IN UA02_1										
				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)							Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)		
	Yes	No		Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female	
Freshian	01	02	Freshian	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Freshian	01	02	Freshian	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	
Ayrshire	01	02	Ayrshire	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Ayrshire	01	02	Ayrshire	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	
Jersey	01	02	Jersey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Jersey	01	02	Jersey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	
Guernsey	01	02	Guernsey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Guernsey	01	02	Guernsey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	
Interbreed	01	02	Interbreed	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Interbreed	01	02	Interbreed	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	
Upgraded Dairy	01	02	Upgraded Dairy	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Upgraded Dairy	01	02	Upgraded Dairy	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	
IF '02' TO ALL SKIP TO UA08_1											IF '02' TO ALL SKIP TO UA09_1										

UA08_3							UA09_1			UA09_2			UA10_1			UA10_2						
How much in total (KSh) did the household pay for the purchase of […]? INCLUDE VALUE OF IN-KIND PAYMENTS							Were there any […] born between 1st October 2023 to 29th February 2024?			How many […] were born between 1st October 2023 to 29th February 2024?			Did the household receive any […] between 1st October 2023 to 29th February 2024?			How many […] did the household receive between 1st October 2023 to 29th February 2024?						
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)		CHECK SELECTIONS IN UA02_1						CHECK SELECTIONS IN UA02_1				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Male	Female	Male	Female	Male	Female		Yes	No		Male	Female		Yes	No		Male	Female	Male	Female	Male	Female
	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Freshian	01	02	Freshian	__|__|	__|__|	Freshian	01	02	Freshian	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Freshian	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Ayrshire	01	02	Ayrshire	__|__|	__|__|	Ayrshire	01	02	Ayrshire	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Ayrshire	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Jersey	01	02	Jersey	__|__|	__|__|	Jersey	01	02	Jersey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Jersey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Guernsey	01	02	Guernsey	__|__|	__|__|	Guernsey	01	02	Guernsey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Guernsey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Interbreed	01	02	Interbreed	__|__|	__|__|	Interbreed	01	02	Interbreed	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Interbreed	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Upgraded Dairy	01	02	Upgraded Dairy	__|__|	__|__|	Upgraded Dairy	01	02	Upgraded Dairy	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Upgraded Dairy	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|																	
							IF '02' TO ALL SKIP TO UA10_1						IF '02' TO ALL SKIP TO UA11_1										

Section UA: Cattle— Cont'd

UA11							UA11_1	UA12		UA13_1		UA13_2		UA13_3	
How many [...] did the household have at the end of February 2024?							How many of the adult female dairy cattle were in milk between 1st October 2023 to 29th February 2024?	What was the MAIN type of livestock production system practised by the household for the Exotic Dairy Cattle?		Did the household produce the following livestock products from the Exotic Dairy Cattle between 1st October 2023 to 29th February 2024?		What was the quantity of milk produced (in litres) between 1st October 2023 to 29th February 2024?		What was the quantity of beef produced (in kgs) between 1st October 2023 to 29th February 2024?	
												CHECK THAT UA13_1 IS '01'		CHECK THAT UA13_1 IS '02'	
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)		Number of Adult Females in Milk								
	Male	Female	Male	Female	Male	Female							Litres		Kgs
Freshian	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Communal grazing	01	Milk	01	Milk	__|__|	Beef	__|__|
Ayrshire	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Rotational grazing/ paddocking	02	Beef	02				
Jersey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Zero grazing	03	Hides and Skins	03				
Guernsey	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Semi zero grazing	04	None	04				
Interbreed	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Free Range	05						
Upgraded Dairy	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Tethering	06						

UA13_4		UA14_1		UA14_2								UA14_3
What was the quantity of hides and skins produced (in kgs) between 1st October 2023 to 29th February 2024?		What type of breed for Dual Purpose Cattle did the household keep between 1st October 2023 to 29th February 2024?		How many [...] cattle did the household have at the beginning of October 2023?								How many of the adult female Dual Purpose cattle were in milk between 1st October 2023 to 29th February 2024?
CHECK THAT UA13_1 IS '03'		CHECK THAT UA01 IS '02'										CHECK THAT UA25_2 IS ADULT (ABOVE 2YRS) FEMALE. This questions is applicable to those with Adult Females only.
					Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)			
	Kgs				Male	Female	Male	Female	Male	Female		
Hides and Skins	__|__|	Kenya Sahiwal	01	Kenya Sahiwal	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		
		Brown Swiss	02	Brown Swiss	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		
		Red Poll	03	Red Poll	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		
		Simmental	04	Simmental	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		
		Dexter	05	Dexter	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		
		Fleckvieh	06	Fleckvieh	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Number of Adult Females in Milk

Section UA: Cattle— Cont'd

UA15_1			UA15_2							UA15_3						
Did the household sell any […] between 1st October 2023 to 29th February 2024?			How many […] did the household sell between 1st October 2023 to 29th February 2024?							What was the average price of one […]?						
CHECK SELECTIONS IN UA14_1																
				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)			Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Yes	No		Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female
Kenya Sahiwal	01	02	Kenya Sahiwal	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|		Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh
Brown Swiss	01	02	Brown Swiss	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Kenya Sahiwal	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Red Poll	01	02	Red Poll	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Brown Swiss	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Simmental	01	02	Simmental	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Red Poll	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Dexter	01	02	Dexter	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Simmental	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Fleckvieh	01	02	Fleckvieh	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Dexter	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
										Fleckvieh	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
IF '02' TO ALL SKIP TO UA16_1																

UA15_4							UA16_1			UA16_2						
How much in total (KSh) did the household receive from the sale of […]? INCLUDE VALUE OF IN KIND PAYMENTS							Did the household consume any […] between 1st October 2023 to 29th February 2024?			How many […] did the household consume between 1st October 2023 to 29th February 2024?						
							CHECK SELECTIONS IN UA14_1									
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)						Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female
	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Kenya Sahiwal	01	02	Kenya Sahiwal	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Kenya Sahiwal	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Brown Swiss	01	02	Brown Swiss	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Brown Swiss	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Red Poll	01	02	Red Poll	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Red Poll	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Simmental	01	02	Simmental	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Simmental	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Dexter	01	02	Dexter	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Dexter	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Fleckvieh	01	02	Fleckvieh	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Fleckvieh	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|											
							IF '02' TO ALL SKIP TO UA17_1									

Section UA: Cattle— Cont'd

UA17_1			UA17_2							UA18_1		
Did the household lose any […] through death between 1st October 2023 to 29th February 2024?			How many […] did the household lose through death between 1st October 2023 to 29th February 2024?							Did the household lose any […] through theft between 1st October 2023 to 29th February 2024?		
CHECK SELECTIONS IN UA14_1										CHECK SELECTIONS IN UA14_1		
				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)				
	Yes	No		Male	Female	Male	Female	Male	Female		Yes	No
Kenya Sahiwal	01	02	Kenya Sahiwal	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Kenya Sahiwal	01	02
Brown Swiss	01	02	Brown Swiss	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Brown Swiss	01	02
Red Poll	01	02	Red Poll	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Red Poll	01	02
Simmental	01	02	Simmental	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Simmental	01	02
Dexter	01	02	Dexter	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Dexter	01	02
Fleckvieh	01	02	Fleckvieh	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Fleckvieh	01	02
IF '02' TO ALL SKIP TO UA18_1										IF '02' TO ALL SKIP TO UA19_1		

UA18_2							UA19_1			UA19_2						
How many […] did the household lose through theft between 1st October 2023 to 29th February 2024?							Did the household give away any […] between 1st October 2023 to 29th February 2024?			How many […] did the household give away between 1st October 2023 to 29th February 2024?						
							CHECK SELECTIONS IN UA14_1									
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)						Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female
Kenya Sahiwal	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Kenya Sahiwal	01	02	Kenya Sahiwal	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Brown Swiss	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Brown Swiss	01	02	Brown Swiss	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Red Poll	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Red Poll	01	02	Red Poll	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Simmental	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Simmental	01	02	Simmental	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Dexter	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Dexter	01	02	Dexter	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Fleckvieh	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Fleckvieh	01	02	Fleckvieh	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
							IF '02' TO ALL SKIP TO UA20_1									

Section UA: Cattle— Cont'd

UA20_1			UA20_2							UA20_3							UA21_1		
Did the household purchase any […] between 1st October 2023 to 29th February 2024?			How many […] did the household purchase between 1st October 2023 to 29th February 2024?							How much in total (KSh) did the household pay for the purchase of […]? INCLUDE VALUE OF IN-KIND PAYMENTS							Were there any […] born between 1st October 2023 to 29th February 2024?		
CHECK SELECTIONS IN UA14_1																	CHECK SELECTIONS IN UA14_1		
				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)			Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)				
	Yes	No		Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female		Yes	No
Kenya Sahiwal	01	02	Kenya Sahiwal	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Kenya Sahiwal	01	02
Brown Swiss	01	02	Brown Swiss	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Kenya Sahiwal	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Brown Swiss	01	02
Red Poll	01	02	Red Poll	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Brown Swiss	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Red Poll	01	02
Simmental	01	02	Simmental	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Red Poll	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Simmental	01	02
Dexter	01	02	Dexter	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Simmental	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Dexter	01	02
Fleckvieh	01	02	Fleckvieh	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Dexter	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Fleckvieh	01	02
										Fleckvieh	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|			
IF '02' TO ALL SKIP TO UA21_1																	IF '02' TO ALL SKIP TO UA22_1		

UA21_2			UA22_1			UA22_2							UA23						
How many […] were born between 1st October 2023 to 29th February 2024?			Did the household receive any […] between 1st October 2023 to 29th February 2024?			How many […] did the household receive between 1st October 2023 to 29th February 2024?							How many […] cattle did the household have at the end of February 2024?						
			CHECK SELECTIONS IN UA14_1																
							Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)			Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female
Kenya Sahiwal	__|__|	__|__|	Kenya Sahiwal	01	02	Kenya Sahiwal	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Kenya Sahiwal	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Brown Swiss	__|__|	__|__|	Brown Swiss	01	02	Brown Swiss	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Brown Swiss	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Red Poll	__|__|	__|__|	Red Poll	01	02	Red Poll	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Red Poll	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Simmental	__|__|	__|__|	Simmental	01	02	Simmental	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Simmental	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Dexter	__|__|	__|__|	Dexter	01	02	Dexter	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Dexter	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Fleckvieh	__|__|	__|__|	Fleckvieh	01	02	Fleckvieh	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Fleckvieh	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
			IF '02' TO ALL SKIP TO UA23																

Section UA: Cattle— Cont'd

UA23_1		UA24		UA25_1		UA25_2		UA25_3		UA25_4		UA26_1	
What type of breed for Dual Purpose Cattle did the household keep between 1st October 2023 to 29th February 2024?		What was the type of livestock production system practised by the household for the Dual Purpose Cattle?		Did the household produce the following livestock products from dual purpose cattle between 1st October 2023 to 29th February 2024?		What was the quantity of milk produced (in litres) between 1st October 2023 to 29th February 2024?		What was the quantity of beef produced (in kgs) between 1st October 2023 to 29th February 2024?		What was the quantity of hides and skins produced (in kgs) between 1st October 2023 to 29th February 2024?		What type of breed of Beef Cattle did the household keep between 1st October 2023 to 29th February 2024?	
CHECK THAT UA01 IS '02'						CHECK THAT UA24_1 IS '01'		CHECK THAT UA24_1 IS '02'		CHECK THAT UA24_1 IS '03'		CHECK THAT UA01 IS '03'	
							Litres		Kgs		Kgs		
Kenya Sahiwal	01	Ranching	01	Milk	01	Milk	|__|__|	Beef	|__|__|	Hides and Skins	|__|__|	Zebu	01
Brown Swiss	02	Communal grazing	02	Beef	02							Boran	02
Red Poll	03	Pastoral	03	Hides	03							Hereford	03
Simmental	04	Rotational grazing/ paddocking	04	None	04							Charolais	04
Dexter	05	Zero grazing	05									Santa Gedrudis	05
Fleckvieh	06	Semi zero grazing	06									Aberdeen Angus	06
		Free Range	07									Galloway	07
		Tethering	08										

UA26_2							UA27_1			UA27_2						
How many [...] cattle did the household have at the beginning of October 2023?							Did the household sell any [...] between 1st October 2023 to 29th February 2024?			How many [...] did the household sell between 1st October 2023 to 29th February 2024?						
							CHECK SELECTIONS IN UA26_1									
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)						Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female
Zebu	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Zebu	01	02	Zebu	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Boran	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Boran	01	02	Boran	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Hereford	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Hereford	01	02	Hereford	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Charolais	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Charolais	01	02	Charolais	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Santa Gedrudis	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Santa Gedrudis	01	02	Santa Gedrudis	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Aberdeen Angus	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Aberdeen Angus	01	02	Aberdeen Angus	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
Galloway	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	Galloway	01	02	Galloway	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|
							IF '02' TO ALL SKIP TO UA28_1									

Section UA: Cattle— Cont'd

UA27_3							UA27_4							UA28_1		
What was the average price of one […]?							How much in total (KSh) did the household receive from the sale of […]? INCLUDE VALUE OF IN KIND PAYMENTS							Did the household consume any […] between 1st October 2023 to 29th February 2024?		
														CHECK SELECTIONS IN UA26_1		
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)			Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)				
	Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female		Yes	No
	Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh	Average Price KSh		Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Zebu	01	02
Zebu	____	____	____	____	____	____	Zebu	____	____	____	____	____	____	Boran	01	02
Boran	____	____	____	____	____	____	Boran	____	____	____	____	____	____	Hereford	01	02
Hereford	____	____	____	____	____	____	Hereford	____	____	____	____	____	____	Charolais	01	02
Charolais	____	____	____	____	____	____	Charolais	____	____	____	____	____	____	Santa Gedrudis	01	02
Santa Gedrudis	____	____	____	____	____	____	Santa Gedrudis	____	____	____	____	____	____	Aberdeen Angus	01	02
Aberdeen Angus	____	____	____	____	____	____	Aberdeen Angus	____	____	____	____	____	____	Galloway	01	02
Galloway	____	____	____	____	____	____	Galloway	____	____	____	____	____	____			
														IF '02' TO ALL SKIP TO UA29_1		

UA28_2							UA29_1			UA29_2							
How many […] did the household consume between 1st October 2023 to 29th February 2024?							Did the household lose any […] through death between 1st October 2023 to 29th February 2024?			How many […] did the household lose through death between 1st October 2023 to 29th February 2024?							
							CHECK SELECTIONS IN UA26_1										
	Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)						Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)		
	Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female	
Zebu	____	____	____	____	____	____	Zebu	01	02	Zebu	____	____	____	____	____	____	
Boran	____	____	____	____	____	____	Boran	01	02	Boran	____	____	____	____	____	____	
Hereford	____	____	____	____	____	____	Hereford	01	02	Hereford	____	____	____	____	____	____	
Charolais	____	____	____	____	____	____	Charolais	01	02	Charolais	____	____	____	____	____	____	
Santa Gedrudis	____	____	____	____	____	____	Santa Gedrudis	01	02	Santa Gedrudis	____	____	____	____	____	____	
Aberdeen Angus	____	____	____	____	____	____	Aberdeen Angus	01	02	Aberdeen Angus	____	____	____	____	____	____	
Galloway	____	____	____	____	____	____	Galloway	01	02	Galloway	____	____	____	____	____	____	
							IF '02' TO ALL SKIP TO UA30_1										

Section UA: Cattle— Cont'd

UA30_1			UA30_2							UA31_1			UA31_2						
Did the household lose any […] through theft between 1st October 2023 to 29th February 2024?			How many […] did the household lose through theft between 1st October 2023 to 29th February 2024?							Did the household give away any […] between 1st October 2023 to 29th February 2024?			How many […] did the household give away between 1st October 2023 to 29th February 2024?						
CHECK SELECTIONS IN UA26_1										CHECK SELECTIONS IN UA26_1									
				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)						Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)	
	Yes	No		Male	Female	Male	Female	Male	Female		Yes	No		Male	Female	Male	Female	Male	Female
Zebu	01	02	Zebu	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Zebu	01	02	Zebu	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Boran	01	02	Boran	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Boran	01	02	Boran	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Hereford	01	02	Hereford	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Hereford	01	02	Hereford	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Charolais	01	02	Charolais	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Charolais	01	02	Charolais	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Santa Gedrudis	01	02	Santa Gedrudis	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Santa Gedrudis	01	02	Santa Gedrudis	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Aberdeen Angus	01	02	Aberdeen Angus	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Aberdeen Angus	01	02	Aberdeen Angus	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
Galloway	01	02	Galloway	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Galloway	01	02	Galloway	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|
IF '02' TO ALL SKIP TO UA31_1										IF '02' TO ALL SKIP TO UA32_1									

UA32_1			UA32_2							UA32_3							UA33_1		
Did the household purchase any […] between 1st October 2023 to 29th February 2024?			How many […] did the household purchase between 1st October 2023 to 29th February 2024?							How much in total (KSh) did the household pay for the purchase of […]? INCLUDE VALUE OF IN-KIND PAYMENTS							Were there any […] born between 1st October 2023 to 29th February 2024?		
CHECK SELECTIONS IN UA26_1																	CHECK SELECTIONS IN UA26_1		
				Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)			Calf (Less than 1 yr)		Young (between 1 to 3 yrs)		Adult (above 3 yrs)				
	Yes	No		Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female		Yes	No
Zebu	01	02	Zebu	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|		Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Total Amount KSh	Zebu	01	02
Boran	01	02	Boran	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Zebu	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Boran	01	02
Hereford	01	02	Hereford	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Boran	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Hereford	01	02
Charolais	01	02	Charolais	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Hereford	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Charolais	01	02
Santa Gedrudis	01	02	Santa Gedrudis	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Charolais	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Santa Gedrudis	01	02
Aberdeen Angus	01	02	Aberdeen Angus	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Santa Gedrudis	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Aberdeen Angus	01	02
Galloway	01	02	Galloway	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Aberdeen Angus	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|	Galloway	01	02
										Galloway	__|__|	__|__|	__|__|	__|__|	__|__|	__|__|			
IF '02' TO ALL SKIP TO UA33_1																	IF '02' TO ALL SKIP TO UA34_1		

Appendix 2: KCA Pilot Training Programme For Enumerators And Supervisors

KCA PILOT TRAINING PROGRAMME FOR ENUMERATORS AND SUPERVISORS
18th February - 02nd March 2023
VENUE: Chester Hotel - Nakuru

Date	Time	Activity	Facilitator	Chairperson
DAY 1 Sunday 18/02/2024	4.00pm	Arrival		
	8.30 - 9:00 am	Registration	Rose/Catherine/Mercy/ Joan	James Ng'ang'a
	9.00 - 9.20 am	Introductions	Patrick Mwaniki	
	9.20 - 9.30 am	Welcoming Remarks	Robert Nderitu	
	9.30 - 9.45 am	DG's Remarks and Launch of the Training	DG	
	9.45 - 10.05 am	Overview of Objectives of the Kenya Census of Agriculture (KCA)	Patrick Mwaniki	
	10.05 - 10.25 am	Sampling for KCA and Status of Listing Exercise	James Ng'ang'a	
	10.25 - 10.45 am	Interviewing Techniques	Prisca/Cecilia	
	10.45 - 11.00am	Cover Page and Introduction	Prisca/Cecilia	
DAY 2 Monday 19/02/2024	**11.00 - 11.30 am**	**TEA BREAK**		
	11.30 - 12.00 noon	Definition of Key Terms	Mburu	
	12.00 - 12.15 pm	Section A-01: Household Identification	Maureen / Praxedes	
	12.15 - 1.00 pm	Section B: Household Member Roster	Maureen / Praxedes	
	1.00 - 2.00 pm	**LUNCH BREAK**		
	2.00 - 2.30 pm	Section C: Access To Credit	Mburu / Serah Ndunda	
	2.30 - 3.00 pm	Section D: Imports And Exports Of Agricultural Services	Mburu / Serah Ndunda	
	3.00 - 3.15 pm	Section E: Sources Of Household Income	Mburu / Serah Ndunda	
	3.15 - 4.15 pm	Section F: Labour Input	Mburu / Serah Ndunda	
	4.15 - 4.35 pm	**TEA BREAK**		
	4.35 - 5.05 pm	Section F: Labour Input	Mburu / Serah Ndunda	
DAY 3 Tuesday 20/02/2024	8.00 - 8.10 am	Recap	Listing Team	Patrick Mwaniki
	8.10 - 8.30 am	Section G:Land Utilization And Legal Status	Yalla / Hellen / Thuo	
	8.30 - 9.30 am	Section H : Land Tenure	Yalla / Hellen / Thuo	
	9.30 - 10.30 am	Section I : Forestry / Woodlot	Abdi Ali / Paul Nderitu	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 11.30 am	Section J: Agricultural Technology And Extension Services	Mburu / Maureen / Ephantus	
	11.30 - 11.40 am	Section K: Sources Of Agricultural Information	Mburu / Maureen / Ephantus	
	11.40 - 12.10 pm	Section L: Access To Facilities And Services	Mburu / Maureen / Ephantus	
	12.10 - 12.20 pm	Section M:Means Of Transportation	Mburu / Maureen / Ephantus	
	12.20 - 1.00 pm	Section N: Storage Facilities	Mburu / Maureen / Ephantus	
	1.00 - 2.00 pm	**LUNCH BREAK**		
	2.00 - 3.00 pm	Section O: Irrigation System	Praxedes / Prisca / Cecilia	
	3.00 - 3.15 pm	Section P: Water Management Practices And Flooding/Water Retention	Praxedes / Prisca / Cecilia	
	3.15 - 3.45 pm	Section Q: Permanent Crops	Praxedes / Prisca / Cecilia	
	3.45 - 4.30 pm	Section R: Temporary Crops (Non-Permanent)	Praxedes / Prisca / Cecilia	
	4.30 - 5.00 pm	**TEA BREAK**		

Date	Time	Activity	Facilitator	Chairperson
	8.00 - 8.10 am	Recap	All	Paul Nderitu
	8.00 - 8.30 am	Section S: Agricultural Inputs By Crop	Mburu	
	8.30 - 8.45 am	Section T: Agricultural Equipment	Mburu	
	8.45 - 9.45 am	Section UA: Livestock - Cattle	Mumo / Omache	
	9.45 - 10.30 am	Section UB: Livestock - Goats	Mumo / Omache	
DAY 4	**10.30 - 11.00 am**	**TEA BREAK**		
Wednesday	11.00 - 12.00 noon	Section UC: Livestock - Sheep	Mumo / Omache	
21/02/2024	12.00 - 1.00 pm	Section UD: Livestock - Camels	Mumo / Omache	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 2.30 pm	Section UE: Livestock - Donkeys	Mumo / Omache	
	2.30 - 3.00 pm	Section UF: Livestock - Horses	Mumo / Omache	
	3.00 - 4.30 pm	Section UG: Livestock - Poultry (Chicken)	Mumo / Omache	
	4.30 - 5.00 pm	**TEA BREAK**		
	8.00 - 8.20 am	Recap	All	Charles Muinde
	8.20 - 9.30 am	Section UH: Livestock - Other Poultry	Alphonse / Mwinzi	
	9.30 - 10.30 am	Section UI: Livestock - Rabbits	Alphonse / Mwinzi	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 12.00 noon	Section UJ: Livestock - Pigs	Alphonse / Mwinzi	
	12.00 - 1.00 pm	Section UK: Livestock - Apiculture	Alphonse / Mwinzi	
DAY 5	1.00 - 2.00pm	LUNCH BREAK		
Thursday	2.00 - 3.00 pm	Section UL: Livestock - Crocodiles	Alphonse / Mwinzi	
22/02/2024	3.00 - 3.30 pm	Section UM: Livestock -Ostriches	Alphonse / Mwinzi	
	3.30 - 4.00 pm	Section UN: Livestock - Guinea Fowl	Alphonse / Mwinzi	
	4.00 - 4.30 pm	Section UP: Livestock - Emerging Livestock	Alphonse / Mwinzi	
	4.30 - 5.00 pm	**TEA BREAK**		
	5.00 - 6.00 pm	Issuance of CAPI devices	Peter / Waweru / Januaris / Ochieng	
	8.00 - 8.20 am	Recap	All	John Mburu
	8.20 - 9.20 am	Section V: Livestock Inputs, Service Inputs and Grazing Practices	Alphonse / Mwinzi	
	9.20 - 10.30 am	Section W: Aquaculture	Abdi Ali / Paul Nderitu	
DAY 6	**10.30 - 11.00 am**	**TEA BREAK**		
Friday	11.00 - 12.00 noon	Section X: Fishing	Abdi Ali / Paul Nderitu	
23/02/2024	12.00 - 1.00 pm	Section Y: Household Food Security	Abdi Ali / Paul Nderitu	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 4.30 pm	Role of Maps and Map Reading	Yalla / Hellen / Thuo	
	4.30 - 5.00 pm	**TEA BREAK**		

Date	Time	Activity	Facilitator	Chairperson
DAY 7 Saturday 24/02/2024	8.00 - 8.30 am	Recap	All	Rogers Mumo
	8.30 - 9.30 am	Introduction to Computer Assisted Personal Interviews (CAPI) - General CAPI. Downloading and installation of the data collection app	Peter / Waweru / Januaris / Ochieng	
	9.30 - 10.30 am	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 1.00 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 4.30 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	4.30 - 5.00 pm	**TEA BREAK**		
DAY 8 Sunday 25/02/2024	8.00 - 8.30 am	Recap	All	Paul Waweru
	8.30 - 9.30 am	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	9.30 - 10.30 am	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 1.00 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 4.30 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	4.30 - 5.00 pm	**TEA BREAK**		
DAY 9 Monday 26/02/2024	8.00 - 8.20 am	Recap	All	George Yalla
	8.20 - 10.30 am	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 1.00 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 4.30 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	4.30 - 5.00 pm	**TEA BREAK**		
DAY 10 Tuesday 27/02/2024	8.00 - 8.20 am	Recap	All	Phillip Ng'ang'a / Serah Ndunda
	8.20 - 10.30 am	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 1.00 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 4.30 pm	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	4.30 - 5.00 pm	**TEA BREAK**		

Date	Time	Activity	Facilitator	Chairperson
DAY 11 Wednesday 28/02/2024	8.00 - 8.20 am	Recap	All	Paul Nderitu
	8.20 - 10.30 am	CAPI - Household Questionnaire	Peter / Waweru / Januaris / Ochieng	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 1.00 pm	CAPI - Role Plays	Peter / Waweru / Januaris / Ochieng	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 4.30 pm	CAPI - Role Plays	Peter / Waweru / Januaris / Ochieng	
	4.30 - 5.00 pm	**TEA BREAK**		
DAY 12 Thursday 29/02/2024	8.00 - 8.20 am	Recap	All	James Ng'ang'a
	8.20 - 9.20 am	Preparation for Field Practice	Cecilia / CSO	
	9.20 - 9.40 am	**TEA BREAK**		
	9.00 - 10.00 am	Departure to the Field	Cecilia / CSO	
	10.00 - 5.00 pm	Field Practice	All	
	5.00 - 5.30 pm	**TEA BREAK**		
DAY 13 Friday 01/03/2024	8.00 - 8.20 am	Recap	All	Patrick Mwaniki
	8.20 - 10.30 am	Feedback from Field Practice	Mburu / Mumo	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 1.00 pm	Feedback from Field Practice	Mburu / Mumo	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 4.30 pm	Feedback from Field Practice	Mburu / Mumo	
	4.30 - 5.00 pm	**TEA BREAK**		
DAY 13 Saturday 02/03/2024	8.00 - 8.20 am	Recap	All	Patrick Mwaniki
	8.30 - 10.30 am	Supervisors' session - Fieldwork Logistics Management - Quality Control - Format of Field Report	All	
	10.30 - 11.00 am	**TEA BREAK**		
	11.00 - 1.00 pm	Field Logistics and Administrative Issues	Prisca / Cecilia	
	1.00 - 2.00pm	**LUNCH BREAK**		
	2.00 - 2.30 pm	Closing Remarks - DPS	Robert Nderitu	
	2.30 - 3.15 pm	DG's Closing Remarks	DG	
	3.15 - 4.30 pm	Issuance of Materials	CAPI Team / Cecilia	
	4.30 - 5.00 pm	**TEA BREAK**		
DAY 14 Sunday 03/03/2024	8.30 am	Departure	All	Patrick Mwaniki

Appendix 3: Pilot Census Participants

S/NO	NAME	GENDER	ROLE
1	Benson Kaboro	M	Supervisor
2	Christopher Mwangi	M	Enumerator
3	Esther Kerubo	F	Enumerator
4	Daniel Wahaba	M	Driver
5	Veronica Ndeto	F	Supervisor
6	Betrina Nzomo	F	Enumerator
7	Christopher Kyangu	M	Enumerator
8	Maxwell James	M	Driver
9	Abdi Mohamud	M	Supervisor
10	Hassan Sanbur	M	Enumerator
11	Ramla Hassan	F	Enumerator
12	Noor Salat	M	Driver
13	Abdihakim Mohamud	M	Supervisor
14	Shinda Ware	F	Enumerator
15	David Mungai	M	Enumerator
16	Patrick Koome	M	Driver
17	Ephantus Gihemi	M	Supervisor
18	Morice Motegi	M	Enumerator
19	Fredrick Mutiso	M	Enumerator
20	Douglas	M	Driver
21	Mwinzi Reuben K.	M	Supervisor
22	Stephen Kapterema	M	Enumerator
23	Vincent Kiprono	M	Enumerator
24	Peter Tuwuot	M	Driver
25	Monica Mugure	F	Supervisor
26	Brian Otieno	M	Enumerator
27	Rachel Kusimba	F	Enumerator
28	Harun Kang'ethe	M	Driver
29	Hamisi Bakari	M	Driver

Appendix 4: Sample Distribution for the KCA Pilot

County	Number of Households	Large and commercial	Institutional firms	Total
Garissa	120	19	4	143
Isiolo	120	20	4	144
Kisii	120	12	4	136
Kwale	120	14	4	138
Makueni	120	23	4	147
Nyandarua	120	12	4	136
West Pokot	120	26	4	150
Grand Total	840	126	28	994

Kenya National Bureau of Statistics
Real Towers, Hospital Road,
P.O. Box 30266 - 00100 Nairobi, Kenya
Tel: +254-20-3317583, +254-20-2911000/1, +254-20 3317612/22/23/51
Email: info@knbs.or.ke I directorgeneral@knbs.or.ke I library@knbs.or.ke
Facebook: Kenya Stats I X: @KNBStats
Website: www.knbs.or.ke