



NATIONAL BUREAU OF STATISTICS



# National Agricultural Sample Census 2022

## Report on the Listing and Community Survey Questionnaires



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**NATIONAL BUREAU OF STATISTICS**



**Food and Agriculture  
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## List of Abbreviations

|              |   |
|--------------|---|
| <b>CAPI</b>  | Computer Assisted Personal Interviewing                 |
| <b>EA</b>    | Enumeration Area  |
| <b>LGA</b>   | Local Government Area                                   |
| <b>FAO</b>   | Food and Agriculture Organization of the United Nations |
| <b>FMARD</b> | Federal Ministry of Agriculture and Rural Development   |
| <b>GDP</b>   | Gross Domestic Product                                  |
| <b>NASC</b>  | National Agricultural Sample Census                     |
| <b>NBS</b>   | National Bureau of Statistics                           |
| <b>NPC</b>   | National Population Commission                          |
| <b>WB</b>    | World Bank  |

# Preface

This publication provides a variety of statistics on the agricultural sector in Nigeria for reference period. Nigeria's agricultural sector contributes to a significant part of the country's GDP. In 2021 it contributed about 26 percent of total GDP. With the agriculture sector being a key in supporting the Nigeria economy, these statistics offer an essential numerical representation of realities within the country and provide an important basis for evidence-based policy making.

The statistics available within this report, provide useful information on agricultural households and their activities related to crops, livestock and fisheries. Additionally, this report contains valuable statistics on communities throughout Nigeria and their agricultural activities, experiences with disasters and shocks, environmental concerns, infrastructure, resource management, land prices and tenure, and agricultural labour. This survey along with an ongoing annual effort will help to monitor and measure progress towards key agricultural sector indicators, including the 2030 Sustainable Development Goals (SDG) and the Comprehensive African Agriculture Development Program (CAADP) indicators.

This report, along with future reports to be produced as outputs from Nigeria's National Agricultural Sample Census, will be used for national agricultural planning, implementation and policy intervention, for the purpose of improving the agricultural sector through increasing productivity and improving farmers livelihood.

We are grateful to the various agencies and establishments who cooperated in the conduct of this program and the development of this report.

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# Executive Summary

The National Agricultural Sample Census (NASC) is meant to be carried out every five to ten years in line with standards set by the United Nations' Food and Agriculture Organization (FAO) for developing countries. However, the last round of this census was carried out in 1993/94 in Nigeria. The main objective of the listing exercise is to collect information on agricultural activities at household level in order to provide a comprehensive frame for agricultural surveys.

The NASC listing was conducted using digitized enumeration area maps in all the 36 states of the Federation and the FCT. Forty (40) enumeration Areas (EAs) were selected and canvassed in each LGA, with varying number of EAs covered by state. Out of 774 LGAs in the country, 767 LGAs were full covered, 3 LGAs (2 in Imo state and 1 in Borno state) were partially covered and 4 LGAs (2 in Imo state and 2 in Borno state) were not covered due to insecurity. In all, thirty thousand nine hundred and sixty (30,960) EAs were planned to be covered nationwide but 30,546 EAs were eventually canvassed because of insecurity.

The Census revealed that there are about 40,221,051 agricultural households in Nigeria. Out of 91% of the agricultural households that cultivated crops, 35% practiced only crop cultivation while 48% reported raising any livestock. Furthermore, 16% of the agricultural households raise 58 million cattle, 41.2% raise about 124 million goats, 42.5% raise poultry, most commonly chicken, while only 5% practice fisheries in Nigeria.

In addition, the least percentage of agricultural households into crop cultivation was recorded in Lagos State (48.0%) while Ebonyi State had the highest with 99.5%. For Livestock production, the highest percentage of agricultural households engaged was reported in Jigawa State with 84.2% and followed by Bauchi State with 79.7 %. For poultry, the highest percentage of agricultural households was recorded in Benue State with 65.2% and is closely followed by Ebonyi State with 63.3%.

Focus group interviews were conducted within the communities in the selected EAs to obtain more information about the perceptions of the community members on the agricultural and non-agricultural activities in the community.

# **I. Introduction and Objectives of the National Agricultural Sample Census**

## **a. Introduction**

The agricultural sector, among other relevant sectors, is at the center of the Nigeria economy, providing the main source of livelihood for the majority of Nigerians. It is a fundamental activity with significant economic and social benefits to the nation. The sector is identified to offer the much-needed employment opportunities and export earnings required for sustainable growth and development of the economy. It is thus pertinent that adequate, timely and reliable statistics on agricultural sector are readily available for policy formulation, planning, monitoring and evaluation of programs and projects. Conventionally, the agriculture census is meant to be conducted every five to ten years, in line with standards set by the United Nations' Food and Agriculture Organization (FAO), however, the last round of this census was carried out in 1993/94. Several attempts were made at various times to conduct the census but it was never fully conducted. This has led to a great gap in available agricultural data in the country. Again, there has been lack of regular surveys to update the census. Therefore, there is a strong need to collect current data on the structure and character of agriculture in Nigeria and to disaggregate agricultural data to address planning on the various Government reform agendas on: Agriculture, Poverty and Food security.

It is on this note that the National Bureau of Statistics (NBS) in collaboration with the World Bank, Food and Agriculture Organization of the United Nations (FAO), Federal Ministry of Agricultural and Rural Development and other stakeholders have acknowledged the need to conduct the National Agricultural Sample Census (NASC).

Essentially, NASC is an exercise designed to fill the existing data gap in the agricultural landscape in Nigeria. It is a comprehensive enumeration of all agricultural activities in the country, including crop production, fisheries, forestry, and livestock activities. The implementation of NASC was done in two phases, the first being the Listing Phase, and the second is the Sample Survey Phase. Under the first phase, enumerators visited all the selected Enumeration Areas (EAs) across the Local Government Areas (LGAs) and listed all the farming households in the selected enumeration areas and collected the required information. The scope of information collected under this phase includes demographic details of the holders, type of agricultural activity (crop production, fishery, poultry, or livestock), the type of produce or product (for example: rice, maize, sorghum, chicken, or cow), and the details of the contact persons. The listing exercise was conducted concurrently with the administration of a Community Questionnaire, to gather information about

the general views of the communities on the agricultural and non-agricultural activities through focus group discussions.

Under the second phase of the NASC, a sample of the farming households listed under the first phase was taken, and more detailed information collected. In addition to the information collected in the first phase, data such as size of the holding, area cultivated, total yield, type of farming practices, inputs, challenges, amongst others, will be gathered. This preliminary report is for the first phase of NASC implementation and serves as the fieldwork report to be submitted as one of the Deliverable Linked Indicators under the Fiscal Governance and Institutions Project (FGIP). There will be additional reports to be developed which will summarize the results of the second phase of the NASC.

## **b. Objective of the survey**

The main objective of the listing exercise is to collect information on agricultural activities at household level in order to provide a comprehensive frame for agricultural surveys. The main objective of the community questionnaire is to obtain information about the perceptions of the community members on the agricultural and non-agricultural activities in the community.

Additional objectives of the overall NASC program include the following:

- To provide data to help the government at different levels in formulating policies on agriculture aimed at attaining food security and poverty alleviation
- To provide data for the proposed Gross Domestic Product (GDP) rebasing

## **c. Concepts and Definitions**

The following main concepts and definition were utilized during the administration of both the NASC listing and community level data collection:

The concept of **household**<sup>1</sup> is based on the arrangements made by persons, individually or in groups, for providing themselves with food or other essentials for living. A household may be either (a) a one person household, that is to say, a person who makes provision for his or her own food or other essentials for living without combining with any other person to form part or a multi-person household, or (b) a multi-person household, that is to say, a group of two or more

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<sup>1</sup> UN, 2015b, paragraph 2.33

persons living together who make common provision for food or other essentials for living. The persons in the group may pool their resources and may have a common budget; they may be related or unrelated persons, or constitute a combination of persons both related and unrelated.

**Agricultural holding**<sup>2</sup> is an economic unit of agricultural production under single management comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title, legal form or size. Single management may be exercised by an individual or households, by a clan or a tribe, or by juridical person such as cooperation, cooperative or government agency. The holding's land may consist of one or more parcels, located in one or more territorial or administrative divisions, providing the parcels share the same production means, such as labour, farm buildings, machinery or draught animals.

**Crop cultivation** is the growing of crops such as cereals, root and tuber, legumes etc. either for home consumption or for commercial purpose. Cultivation of crops often involves initial tilling (or plowing) of the land, planting of seeds, watering them and making sure they grow properly.

**Livestock Raising (excluding poultry):** are domesticated animals (except aquatic animals) raised in an agricultural setting to produce labor and commodities such as meat, milk, fur, leather, and wool. A household is raising an animal if it has primary responsibility for looking after the animal on a long-term basis and making day-to-day decisions about its use. Most holders own and raise their own animals, but sometimes they raise animals belonging to someone else under some form of lease agreement.

**Poultry Raising:** Poultry can be defined as domestic fowls (of the species *Gallus domesticus*) including chickens, turkeys, geese, ducks and guinea fowls, raised for the production of meat or eggs. The word is also used for the flesh of these birds used as food. Raising of poultry refers to the keeping and breeding of these animals.

**Fisheries:** Fish farming or aquaculture means the enterprise of raising and harvesting fish and other aquatic life in a controlled environment while fish hunting or fish capture refers to harvesting of fish in the wild, either in freshwater bodies or the oceans.

**Forestry:** This consists of the cultivation and maintenance of forests, including natural forests and forest plantations. Forests are determined both by the presence of trees and the absence of other predominant land uses. The term includes forests used for purposes of production, protection, multiple-use or conservation but specifically excludes stands of trees established primarily for agricultural production, for example fruit tree plantations.

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<sup>2</sup> World Programme for the Census of Agriculture, Volume 1.

**Agroforestry** is a sustainable land management system in which forest species of trees and other wooded plants are purposely grown on the same land as agricultural crops or livestock, either concurrently or in rotation.

A **Plot of land** is a part or whole of a field on which a specific crop or crop mixture is cultivated or that which is fallow or is to be planted.

**Agricultural establishment** means any farm, forest operation, or nursery engaged in outdoor or enclosed space production of agricultural plants, livestock, fishery or poultry primarily for commercial purposes. An establishment that is not primarily agricultural can be an agricultural establishment if it produces agricultural plants for transplant or use (in part or their entirety) in another location instead of purchasing the plants. The entity should maintain farm records of daily activities and have paid employees on full time basis.

**Non-agricultural enterprises** are enterprises that operated outside the agricultural sphere. That is, enterprises that do not have activities related to the cultivation of crops, raising of livestock, fishing, forestry, hunting, etc.

**Irrigation farming** is a farming system where water is applied to crops artificially either through a sprinkler, pump, or canal channeled to the farm.

**Market gardening** is a small-scale production of fruits, vegetables and flowers as means of getting income, directly selling them to the public. It is practiced on a small plot of land usually less than an acre which is used to grow varieties of vegetables, flowers and fruits. It involves the use of gardening techniques such as manual labour rather than machines. Examples of garden crops are green vegetables, tomatoes, pepper and okra.

**Arboriculture** refers to the cultivation, management and study of individual trees, shrubs, vines and other perennial wooden plants. The practice of arboriculture includes cultural techniques such as selection, planting, training, fertilization, pest and pathogen control, pruning, shaping and removal. That is, any activity that keep trees alive and healthy.

**Forage crops** are plants, annual or biennial, which are grown to be utilized for grazing or harvesting as a whole crop to feed animals. Examples are maize, sorghum, hay(grasses), legumes (beans), etc.

**Wild Crop Foraging:** The cultivation of forage crops that are only used to feed livestock e.g. Spear grass etc.

**Land degradation:** refers to decrease in soil quality which affects its fertility. It could be as a result of deleterious human activities such as over cropping, overgrazing, excessive use of fertilizers and pesticides, deforestation etc.

**Desertification** is the process of land degradation whereby a piece of land becomes dry and unsuitable for normal crop production due to various factors including climatic variations, other natural events or intense human activities.

**Water Salinity** is the concentration of salt in a body of water.

## **2.Listing and Community survey methodology, data collection, and processing**

### **a. Sampling design and Coverage**

An advanced methodology was adopted in the conduct of the listing exercise. For the first time in Nigeria, the entire listing was conducted digitally. NBS secured newly demarcated digitized enumeration area maps from the National Population Commission (NPC) and utilized them for the listing exercise. This newly carved out maps served as a basis for the segmentation of the areas we visited for listing exercise. With these maps, the process for identifying the boundaries of the enumeration areas and the communities by the enumerators was seamless.

The census was carried out in all the 36 States of the Federation and FCT. Forty (40) enumeration Areas (EAs) were selected to be canvassed in each LGA, the number of EAs covered varied by state, which is a function of the number of LGAs in the state. Both urban and rural EAs were canvassed. Out of 774 LGAs in the country 767 LGAs were covered and the remaining 7 LGAs (4 in Imo and 3 in Borno States)were not covered due to insecurity (99% coverage). In all, thirty thousand nine hundred and sixty (30,960) EAs were expected to be covered nationwide but 30,546 EAs were canvassed.

| Table 1. Number of EAs by Zone and State |            |                   |             |                   |              |            |                   |             |                   |
|--|------------|-------------------|-------------|-------------------|--------------|------------|-------------------|-------------|-------------------|
| North-Central                            |            |                   |             |                   | North-West   |            |                   |             |                   |
| State                                    | No of LGAs | No of LGA Covered | No of EAs   | No of EAs Covered | State        | No of LGAs | No of LGA Covered | No of EAs   | No of EAs Covered |
| Benue                                    | 23         | 23                | 920         | 920               | Jigawa       | 27         | 27                | 1080        | 1079              |
| Kogi                                     | 21         | 21                | 840         | 838               | Kaduna       | 23         | 23                | 920         | 919               |
| Kwara                                    | 16         | 16                | 640         | 639               | Kano         | 44         | 44                | 1760        | 1760              |
| Nassarawa                                | 13         | 13                | 520         | 520               | Katsina      | 34         | 34                | 1360        | 1351              |
| Niger                                    | 25         | 25                | 1000        | 997               | Kebbi        | 21         | 21                | 840         | 828               |
| Plateau                                  | 17         | 17                | 680         | 674               | Sokoto       | 23         | 23                | 920         | 897               |
| FCT                                      | 6          | 6                 | 240         | 236               | Zamfara      | 14         | 14                | 560         | 476               |
| <b>Total</b>                             | <b>121</b> | <b>121</b>        | <b>4840</b> | <b>4824</b>       | <b>Total</b> | <b>186</b> | <b>186</b>        | <b>7740</b> | <b>7310</b>       |
|  |            |                   |             |                   |              |            |                   |             |                   |
| North-East                               |            |                   |             |                   | South-South  |            |                   |             |                   |
| State                                    | No of LGAs | No of LGA Covered | No of EAs   | No of EAs Covered | State        | No of LGAs | No of LGA Covered | No of EAs   | No of EAs Covered |
| Adamawa                                  | 21         | 21                | 840         | 840               | Akwa Ibom    | 31         | 31                | 1240        | 1235              |
| Bauchi                                   | 20         | 20                | 800         | 800               | Bayelsa      | 8          | 8                 | 320         | 320               |
| Borno                                    | 27         | 24                | 1080        | 956               | Cross River  | 18         | 18                | 720         | 720               |
| Gombe                                    | 11         | 11                | 440         | 440               | Delta        | 25         | 25                | 1000        | 998               |
| Taraba                                   | 16         | 16                | 640         | 639               | Edo          | 18         | 18                | 720         | 719               |
| Yobe                                     | 17         | 17                | 680         | 664               | Rivers       | 23         | 23                | 920         | 914               |
| <b>Total</b>                             | <b>112</b> | 109               | <b>4480</b> | <b>4339</b>       | <b>Total</b> | <b>123</b> | <b>123</b>        | <b>4920</b> | 4806              |
|  |            |                   |             |                   |              |            |                   |             |                   |
| South-West                               |            |                   |             |                   | South-East   |            |                   |             |                   |
| State                                    | No of LGAs | No of LGA Covered | No of EAs   | No of EAs Covered | State        | No of LGAs | No of LGA Covered | No of EAs   | No of EAs Covered |
| Ekiti                                    | 16         | 16                | 640         | 639               | Abia         | 17         | 17                | 680         | 679               |
| Lagos                                    | 20         | 20                | 800         | 776               | Anambra      | 21         | 21                | 840         | 838               |
| Ogun                                     | 20         | 20                | 800         | 800               | Ebonyi       | 13         | 13                | 520         | 517               |
| Ondo                                     | 18         | 18                | 720         | 720               | Enugu        | 17         | 17                | 680         | 679               |
| Osun                                     | 30         | 30                | 1200        | 1237              | Imo          | 27         | 23                | 1080        | 964               |
| Oyo                                      | 33         | 33                | 1320        | 1318              | <b>Total</b> | <b>95</b>  | <b>91</b>         | <b>3800</b> | <b>3677</b>       |
| <b>Total</b>                             | <b>137</b> | <b>137</b>        | <b>5480</b> | <b>5490</b>       |              |            |                   |             |                   |

The Sampling method adopted involved three levels of stratification. The objective of this was to provide representative data on every Local Government Area (LGA) in Nigeria. Thus, the LGA became the primary reporting domain for the NASC and the first level of stratification. Within each LGA, eighty (80) EAs were systematically selected and stratified into urban and rural EAs, which then formed the second level of stratification, with the 80 EAs proportionally allocated to urban and rural according to the total share of urban/rural EAs within the LGA. These 80 EAs formed the master sample from which the main NASC sample was selected. From the 80 EAs selected across all the LGAs, 40 EAs were systematically selected per LGA to be canvassed. This additional level selection of EAs was again stratified across urban and rural areas with a target allocation of 30 rural and 10 urban EAs in each LGA. The remaining 40 EAs in each LGA from the master sample were set aside for replacement purposes in case there would be need for any inaccessible EA to be replaced.

It is important to note that during the data processing the sampling weights were calibrated using preliminary estimates of numbers of households from the cartographic work by the National Population Commission of Nigeria.

Additional technical details on this sampling design can be found in Annex 1: Details of sampling procedure implemented in the survey.

## **b. Scope**

The scope of the NASC covers the following subject areas:

### Household Listing:

The household listing form was filled in for each selected enumeration area. The listing form covered the following topics:

- Administrative Identification
- Building Listing
- Listing of all households
- Identification of households engaged in agricultural activities
- Basic information on household agricultural activities

### Community Questionnaire:

The community questionnaire was designed to be completed in each of the selected enumeration area, a focus group was constituted to serve as respondent for each community and a maximum of ten persons/ minimum of six knowledgeable residents in the community were selected. The layout of the questionnaire are as follows:

- Identification of the community
- Respondent Characteristics (Name, Sex, age)
- Agricultural Activities in the Community
- Disasters and Shocks
- Community Infrastructure and Transportation
- Community Organizations
- Community Resources Management
- Land Prices and Credit
- Community Key Events
- Labour

### **c. Organization of field work**

On arrival at the EA, the enumerators visited the community head(s) to explain their mission to the community and made arrangement with community head(s) on how to go about the administration of the community questionnaires. The two enumerators first did the numbering of all relevant structures within the EA, and thereafter, carried out the listing exercise accordingly. One enumerator listed the structures with odd numbers while the second enumerator listed all the structures with even numbers.

A community questionnaire was completed in each of the selected enumeration area through a focus group which was constituted to serve as respondent for the community questionnaire. A maximum of ten and minimum of six knowledgeable residents in the community responded to the community questionnaire. Community members involved in the focus group discussion include, Village/Community Head, spouse to Village/Community Head, health personnel, head teacher/teacher, agricultural advisor, police, representative of youth organization, representative of school committee, representative of cultural committee, representative of women association, agricultural extension officer, veterinarian, or other person knowledgeable about agriculture in the community. Both the team lead and the teammate administered the community questionnaire together. Electronic devices (Computer Assisted Personal Interviewing (CAPI) devices) were deployed for the data collection.

## **d. Training of field staff**

The NASC training was conducted at two levels. The first level was a national level training-of-trainers (ToT), which took place at the Public Service Institute in Abuja. The training lasted for 5 days (the 20<sup>th</sup>-24<sup>th</sup> of June 2022). The last day of the training was utilized for field practice, where the trainees were taught on how to locate enumeration areas using the pointer in the Google Earth application to navigate and trace the boundaries of the EA, and collect information on the buildings and households in the EA.

Participants at the first level of training included the following:

- Trainers/Monitors (NBS, Federal Ministry of Agriculture and Rural Development (FMARD) and the National Population Commission (NPC).
- State Officers (NBS)
- Coordinators (NBS, FMARD AND NPC)
- Facilitators (NBS)

The second level training was the Training of Enumerators (ToE), which took place in all the 36 states and the Federal Capital Territory (FCT). There were eighty-two (82) training centers nationwide. The state-level trainings were held over a period of six days (29th of June-5th July, 2022) including five days of training, and one day of field tests.

Participants at the state training level include the following:

- Enumerators/Interviewers (NBS, FMARD, State Agriculture Development Programme (ADP), State Bureaus of Statistics/State Statistical Agencies (SBS/SSA)
- NBS State Officers
- NBS Zonal Controllers
- Trainers/Monitors
- Coordinators
- Statistician General of State Bureau of Statistics/Directors of State Statistical Agency
- Staff of State Ministry of Agriculture
- Independent Monitors

## **e. Data collection**

Two teams were constituted in each LGA. A team comprised of one team lead and one teammate. Permanent field staff of National Bureau of Statistics (NBS) served mostly as team leads.

Enumerators were also drawn from relevant stakeholders from Ministries, Departments and Agencies (MDAs), both at the federal and state level. The two enumerators had separate CAPI devices and they both served as listers and mappers. The two interviewers worked simultaneously in the same EA. They located together the boundaries of the EA and identified all of the buildings therein and numbered the building accordingly. Following this, they split the buildings into two, with one interviewer covering the buildings with odd numbers, while other covered the buildings with even numbers. This was to avoid omission or double counting within the EAs. Data collection lasted for two and a half days for both the household listing and administration of community questionnaires in each EA. A team was mandated to cover twenty (20) EAs, with the total number of days allotted for fieldwork at fifty (50) days.

As it is the usual practice in any NBS data collection exercise, adequate physical monitoring and spot-checks were carried out by senior level officers of the Bureau, Federal Ministry of Agriculture and Rural Development (FMARD) and National Population Commission (NPC). They ensured that enumerators adhered to established protocols for data collection, and rendered assistance to the field personnel in resolving any logistical or operational issues. The monitoring of fieldwork was done in three phases, the first round started concurrently with the commencement of data collection to ensure a smooth start to the data collection effort. The second round of monitoring was in the middle of the fieldwork stage, while the third was towards the end of the fieldwork. During these monitoring rounds, all monitors were able to visit different teams in various LGAs with special attention to the EAs that were broken into segments. To maintain the smooth quality of data collection, the monitors were able to resolve some observed problems that called for urgent attention. The Monitors were also mandated to work with the state officers to compile all EAs that required replacement, reach out to enumerators and discuss observations and comments from the World Bank and FAO, and proffer solutions where necessary. They were also mandated to engage enumerators that were identified not to be properly classifying both agricultural and non-agricultural enterprises, for better understanding and proper classification.

The Monitor/State Officer spot-checked 2 EAs already canvassed by the enumerators, which were reported to be outside the selected EAs as revealed on the Monitoring dashboard and act (by asking the enumerators to return to the right EA and do fresh listing) as necessary. The Monitor/State Officers spot checked EAs where the number of households listed by the enumerators were far less than what the NPC listed, to verify whether the NPC listing was correct, or the enumerators were right. Where under coverage was observed, enumerators were told to return to carryout fresh listing of the EA.

The Monitors/State Officers also randomly visited households where enumerators listed over 100 members of a household to confirm the true scenario of the household membership using

the interviewer keys. The Monitors/State Officers also visited EAs with reported boundary issues to see if such EAs could be canvassed, and if otherwise then request for the replacement. The monitoring officers provided useful back-up to the interviewers from the start of data collection till the end. They ensured early take-off of fieldwork, followed the enumerators to the field to make sure that the enumerators located the EA boundaries correctly, took part in the administration of community questionnaires, and above all, ensured that enumerator collected high quality data.

The NBS, FMARD and NPC State Officers and Zonal Controllers, as well as Independent Monitors also carried out rigorous monitoring of the fieldwork throughout the period of data collection. There was also remote data monitoring at the headquarters by data editors and data assistants. They reviewed the information coming in from the field in real-time and provided immediate feedback to the field personnel where necessary. The data editors and data assistants critically looked at the data transmitted into the server to see that the data collected was of high quality and meaningful. They accepted the data when it was of good quality and rejected it back to enumerators for possible correction where necessary. All data synchronized to the server by the field teams were checked by the data editors and assistants before finalization. There was also an additional layer of monitoring with the engagement of a consultant, who compared the EA maps/boundaries with the enumerated buildings, to ensure that there were no issues of over or under coverage of the EAs. All these measures were put in place to safeguard the quality and integrity of the data emanating from the listing exercise.

Data collection was effectively carried out across all the states except in two (2) LGAs within Borno and four (4) LGAs within Imo states where fieldwork had to be indefinitely suspended due to insecurity. Again, data collection was not conducted in Abadam Local Government Area of Borno because NPC is yet to demarcate the LGA as a result of insecurity. Fieldwork commenced on 6<sup>th</sup> of July 2022 and officially ended on 9<sup>th</sup> September 2022. The fieldwork lasted 50 days however some enumerators worked for an additional 7 days due to logistics issues.

## **f. Data processing and tabulation**

A summary of the tables generated from the census shows that the total expected enumeration area to be covered was thirty thousand, nine hundred and twenty (30,920) across 774 LGAs. However, thirty thousand, five hundred and forty-six (30,546) EAs were covered representing a remarkable 98.79 percent coverage nationally.

Data processing of the NASC household listing survey included checking for inconsistencies, incompleteness, and outliers. Data editing and cleaning was carried out electronically using the Stata software package. In some cases where data inconsistencies were found a call back to the household was carried out.

It is important to note that during the data processing the sampling weights were calibrated using preliminary estimates of numbers of households from the cartographic work by the National Population Commission of Nigeria.

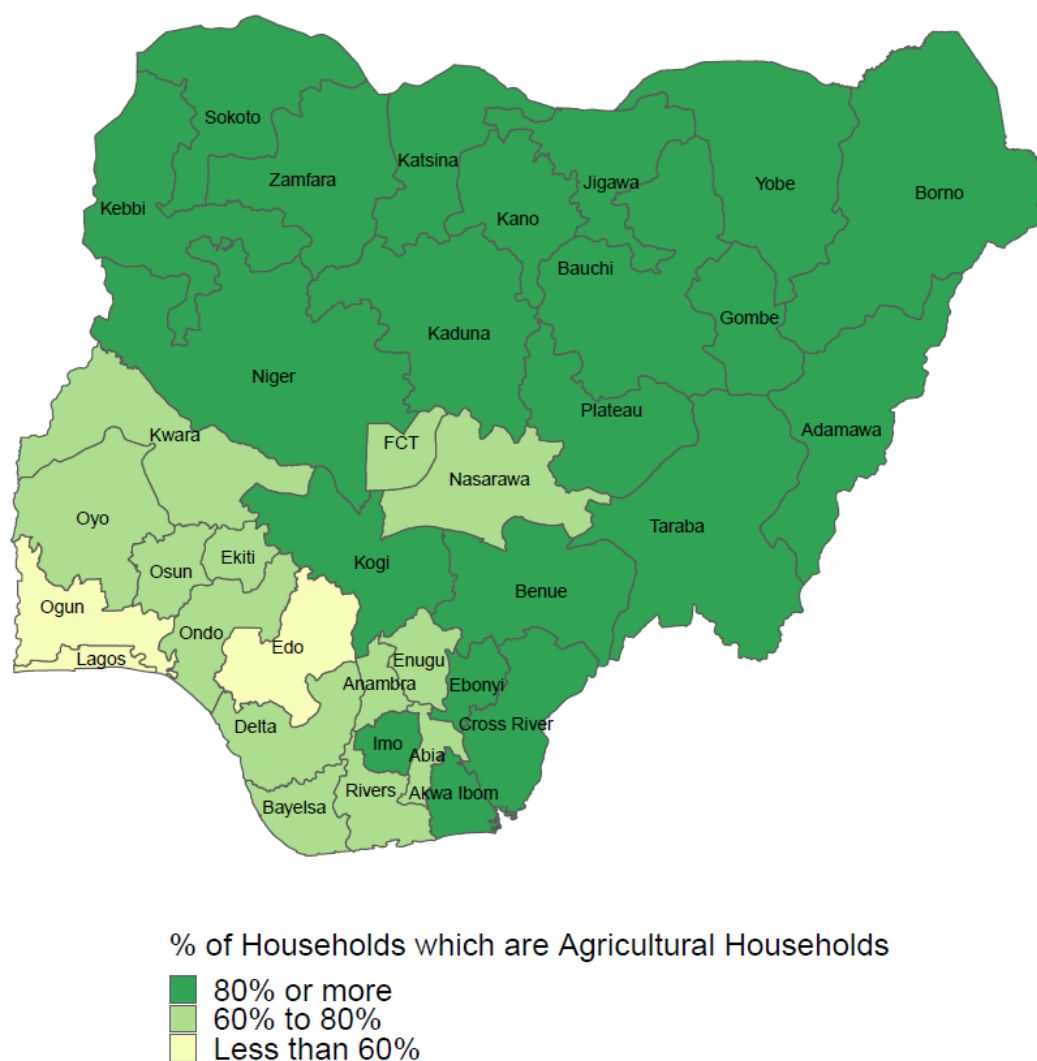
A pre-analysis tabulation plan was developed and the final tables for publication were created using the Stata software package.

### 3. Summary of survey results from the Listing survey

*This section provides highlights from the NASC listing survey tables. The full list of tables is provided in Annex 3 of this document and the tables are available in an electronic format.*

In general, results from the listing exercise shows that agriculture plays an important role in Nigeria, with more than 70 percent of the households involved in agricultural activities. The following figure shows the proportion of agricultural households in different states in Nigeria.

Share of Agricultural Households from Total Households in the State



Source: Nigeria National Agricultural Sample Census

## a. Household Demographics

The NASC listing data reveals that there are about 40.2 million agricultural households in Nigeria. While about 26.7 percent of agricultural households have 5 – 6 members, the listing survey shows that about 14 percent of the agricultural households have 1 -2 household members. (Listing Table 1)

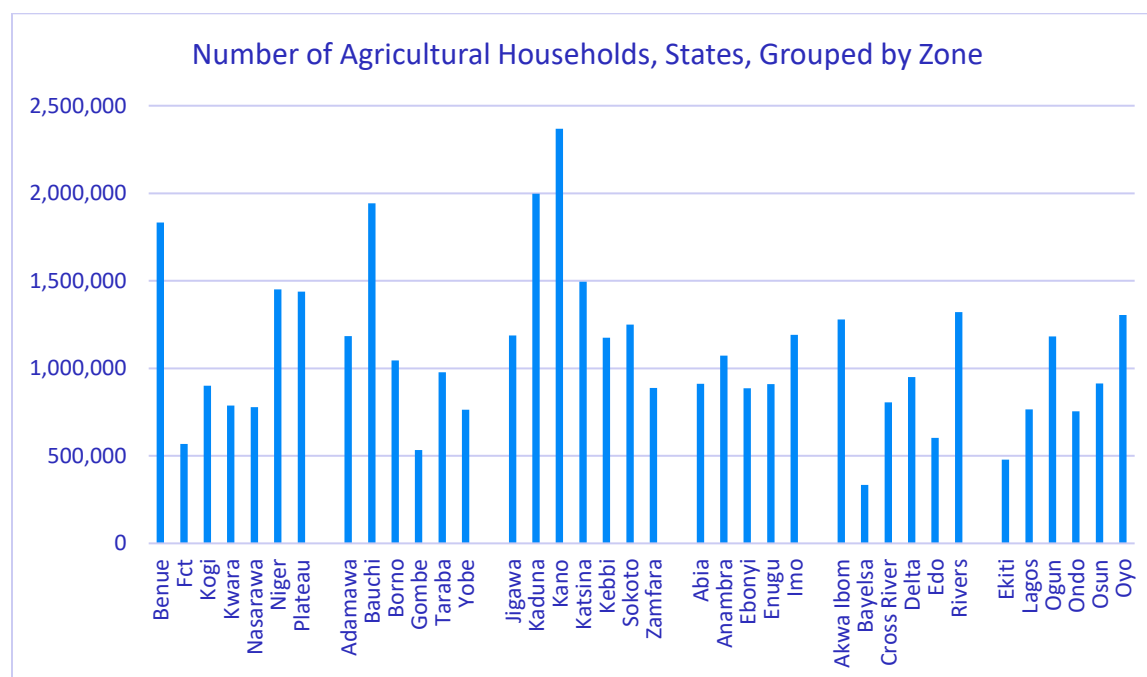
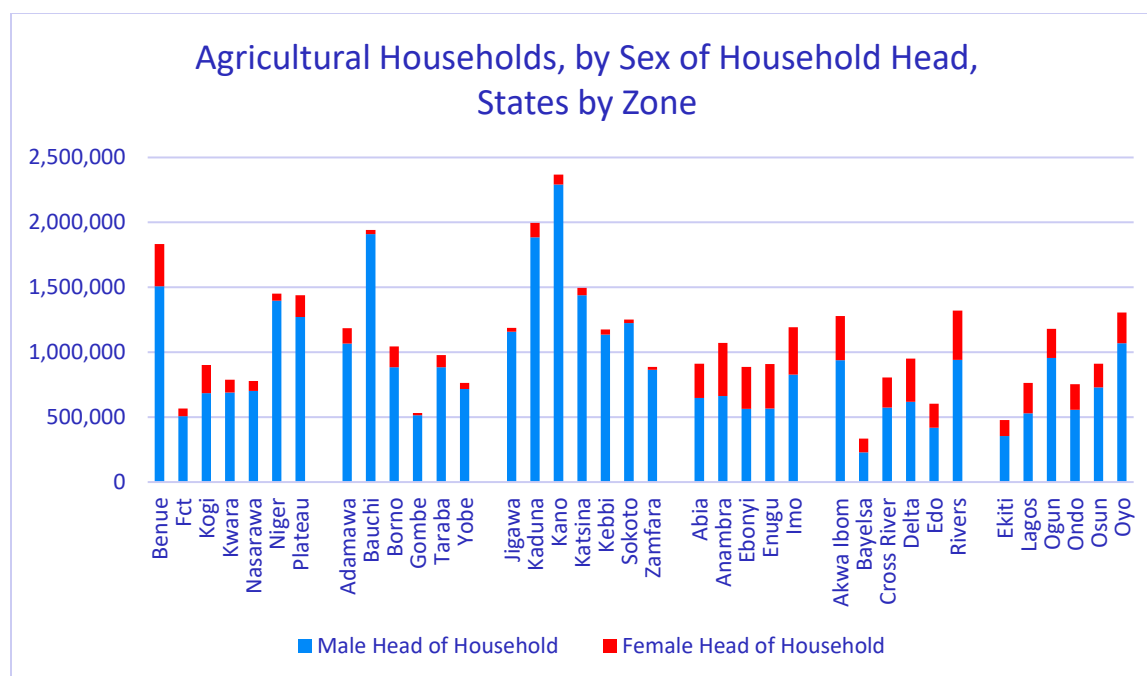


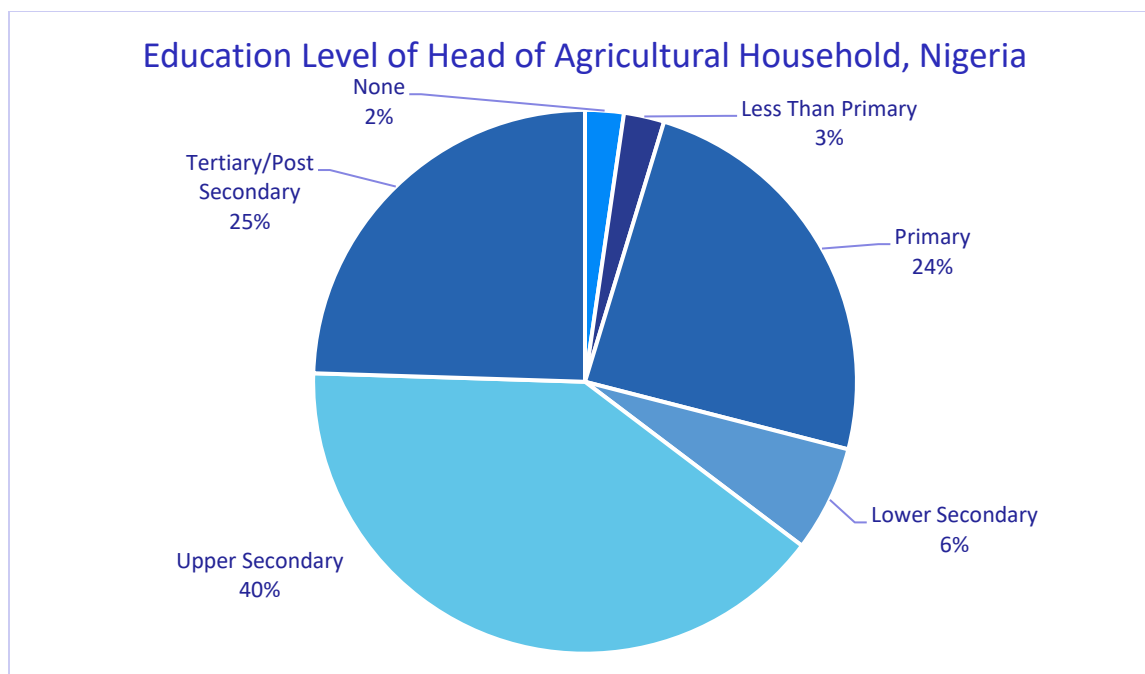
Figure 1. Number of agricultural households

About 16 percent of the agricultural households in Nigeria are headed by females while the majority, about 84 percent, of agricultural households are male headed households (Listing Table 2). The results also show that in some states like Anambra and Enugu, there are a relatively high number of female- headed households, about 38 percent, compared to the national proportion. On the other hand, the majority of the head of the households (about 28 percent) are aged 35- 44 years followed by those aged 45 – 54 years (25 percent) while there are only 2.8 percent of the head of households aged 15 – 24 years. A similar pattern has been observed on this between the male and female headed households except for relatively higher percent of female headed households with age 65 years and over compared to the same age of male headed households. According to the results from listing data, about 19 percent of female headed households are aged 65 years and over while this proportion is estimated to be 11 percent when it comes to the male headed households of the same age (Listing Table 3).



**Figure 2. Agricultural households by Sex of Household Head**

Results from the NASC listing shows that about 95 percent of the heads of agricultural households have primary level or more educational attainment. Accordingly, about 40, 25, 24 and 6 percent of the head of households have upper secondary, tertiary/post-secondary, primary and lower secondary level of education, respectively. The pattern on educational level of the head of the agricultural households seems similar among male or female headed households. The only exception is that the percentage of tertiary/post-secondary level of education is higher in male headed agricultural households (about 26 percent) compared to the 19 percent in female headed households. Bauchi (16 percent), Yobe (14 percent) and Jigawa (10 percent) states reported the highest percentage in terms of no educational attainment for the head of the households (Listing Table 5.1).

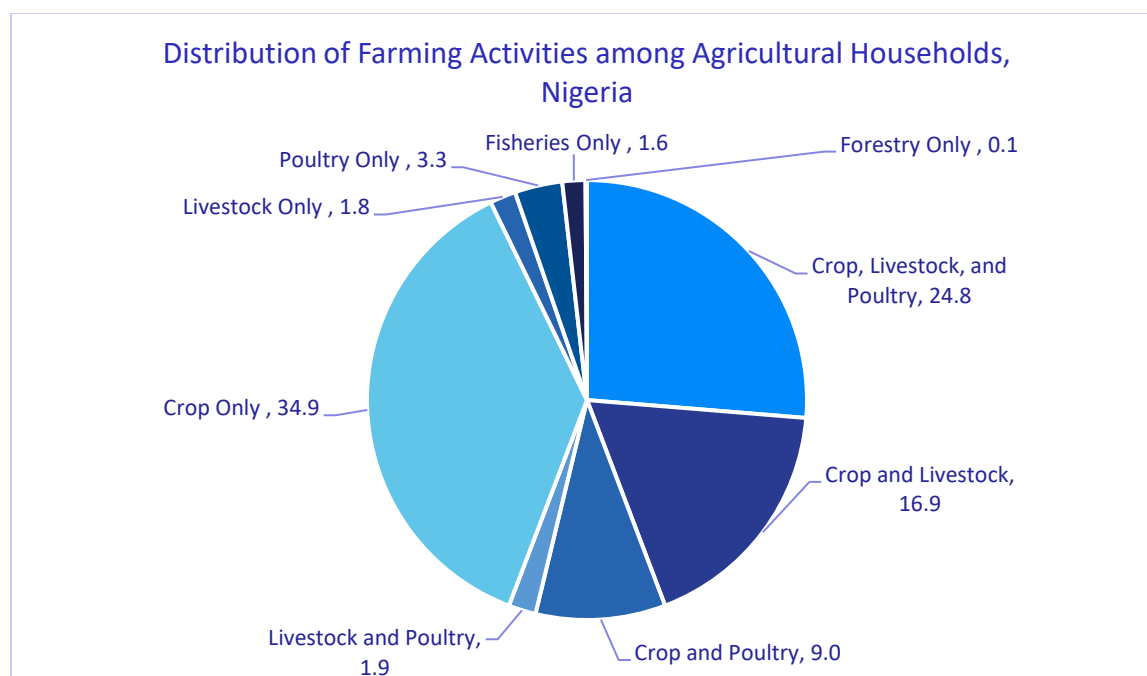


**Figure 3. Education Level of Head of Agricultural Household**

An attempt was made to collect data on the participation of members of agricultural households receiving some kind of agricultural trainings. Accordingly, about 40 percent of agricultural households reported that one or more members of the agricultural households received a formal agricultural education and one or more member in about 65 percent of agricultural households attended vocational trainings (Listing Table 6).

## **b. Household agricultural activities**

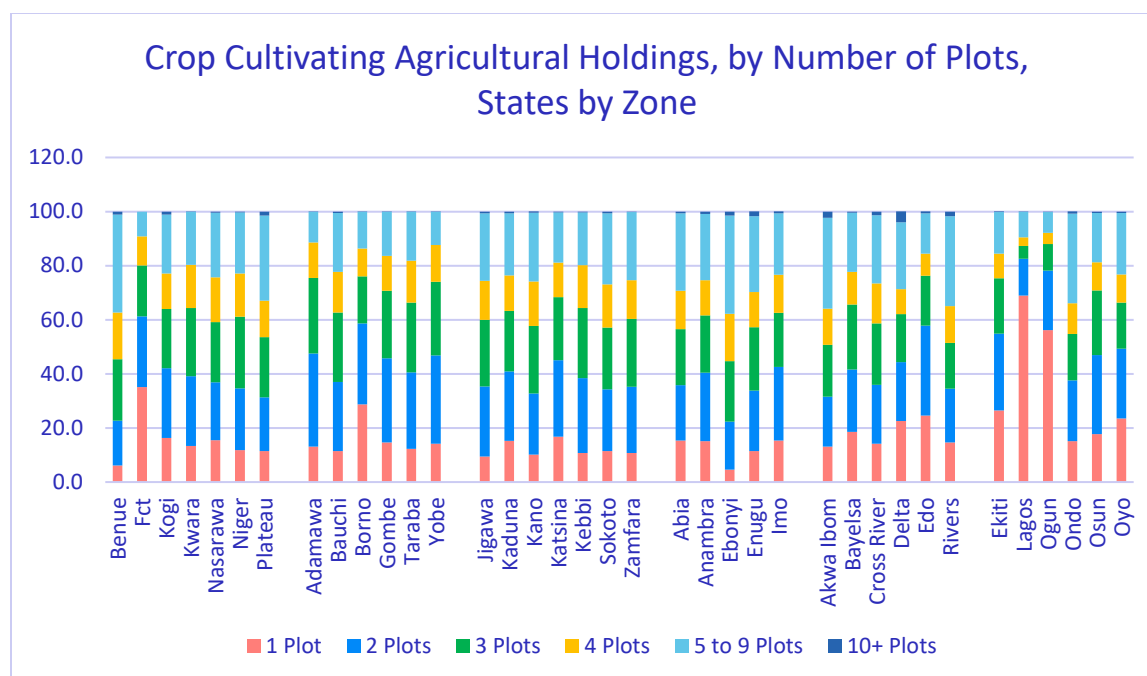
Based on the findings from the NASC listing, about 91 percent of the households cultivate crops, of which 35 percent practice only crop cultivation. On the other hand, the listing data reveals that pure livestock, pure poultry, pure fisheries and pure forestry activities are not a common practice in Nigeria. Out of the total agricultural holdings, only 1.8, 3.3, 1.6 and 0.1 percent of the households reported pure livestock, pure poultry, pure fisheries and pure forestry activities, respectively. The highest number of pure livestock, pure poultry raising is reported in Lagos state (about 9 and 20 percent, respectively). While the highest (16 percent) of pure fisheries cultivation is reported in Rivers state (Listing Table 7A, Table 7B).



**Figure 4. Distribution of Farming Activities among Agricultural Households**

## **I. Crops**

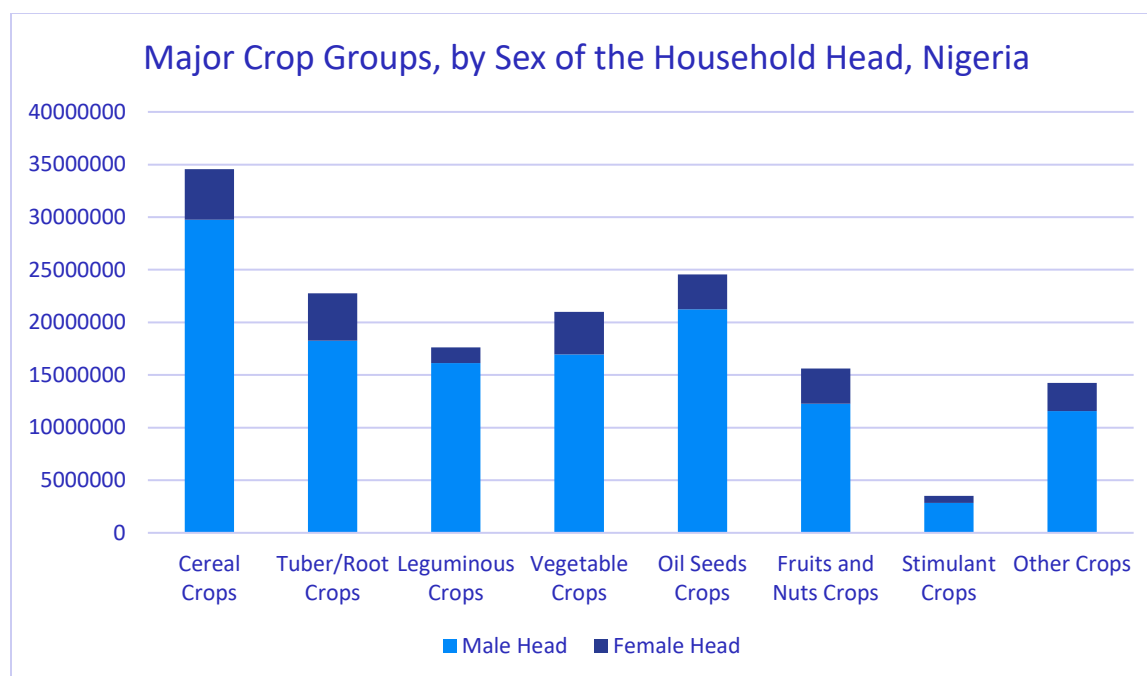
About 91 percent of the agricultural households are involved in crop cultivation in general and the NASC listing data reveals that the average plot number is only 3.3. The highest plot number is reported in Ebonyi and Benue states (4.1) while the lowest one is in Lagos state (1.8). The average number of plots is not significantly different between male headed and female headed households (about 3.4 for male headed households and 3.0 for female headed households). Despite the low number for the average number of plots (3.3) as described above, about 23 percent of the agricultural households practicing crop cultivation reported to have 5 to 9 plots ([Listing Table 8](#)). In general cereal crop cultivation is more popular in Nigeria, followed by oil seeds crops.



**Figure 5. Crop Cultivating Agricultural Holdings, by Number of Plots**

According to the findings from the NASC listing data, cereals, oilseeds, tuber/root crops, vegetable crops and leguminous crops cultivation have been reported by about 86, 61, 57, 52 and 44 percent of the agricultural households, respectively. Although about 91 percent of households in Ebonyi and Akwa Ibom states and about 81 percent in Benue state have reported fruits and nuts crops cultivation, the overall percentage of agricultural households cultivating these crops at national level is about 39 percent (Listing Table 9A). A deeper look into the crop cultivating households shows that among crop producing households, 95 percent cultivate cereals, 67 percent cultivate oil seed crops, 62 percent cultivate tuber/root crops, 57 percent cultivate vegetable crops, 48 percent cultivate leguminous crops, 43 percent cultivate fruit and nut crops, 39 percent cultivating other crops, and 10 percent cultivate stimulant crops (Listing Table 9B).

Female headed households are involved more in fruits and nuts cultivation compared to other groups of crops and accordingly about 21 percent of female headed agricultural households reported cultivating fruits and nuts crops. In particular, about 37 percent of female headed households in Enugu and Anambra states reported cultivating fruits and nuts crops followed by 36 and 34 percent of female headed household cultivating the same crops in Ebonyi and Delta states respectively (Listing Table 9C).



**Figure 6. Major Crop Groups, by Sex of the Household Head**

During the listing exercise of NASC, an attempt was made to collect details on the type of crops cultivated in Nigeria within different crop categories. Among the cereals, maize, guinea corn and rice cultivation are reported by about 80, 40 and 37 percent of crop producing household, respectively. Similarly, among the tuber/root crops, about 53, 40 and 24 percent of crop producing agricultural households reported cultivating cassava, yam and cocoyam, respectively. When it comes to leguminous crops, beans/cowpea is the main one, which is cultivated by about 46 percent of crop producing agricultural households. Similarly, okro is the most popular vegetable crop being produced by about 41 percent of crop producing agricultural households in Nigeria. At the national level while about 42 percent of crop producing agricultural household cultivate ground nut, its cultivation is most common in Benue state whereby about 81 percent of crop producing agricultural households reported the cultivation of ground nut. More than 57 percent of crop producing agricultural households are not involved in cultivation of fruits at national level in Nigeria. However, about 24 percent of fruit and nut cultivating households reported cultivation of banana and plantain with highest banana cultivation being reported in Akwa Ibom state (82 percent).

Although quite significant amount of crop producing agricultural households in Ondo and Osun states reported the cultivation of stimulant crops, the NASC listing data shows that cultivation of stimulant crops like cocoa and coffee is not a common practice in Nigeria and about 90 percent of crop producing agricultural households are not practicing cultivation of these crops. While about 86 and 77 percent of crop producing agricultural households in Ebonyi and Cross River

states respectively report the cultivation of small pepper, at the national level only 34 percent of cop producing agricultural households practice the cultivation of the same crop (Listing Tables 9B and Table 16).

## II. Livestock and Poultry

Data on the raising of livestock have also been collected during the listing process of the NASC. Based on the findings, about 48 percent of agricultural households in Nigeria reported raising any livestock. Among the 37 states in Nigeria, about 84, 80 and 74 percent of agricultural households in Jigawa, Bauchi and Gombe states respectively reported raising any livestock. The results from the listing data also reveals that goats are the most commonly raised livestock with more than 85 percent of agricultural households reporting. The next most common livestock raised by agricultural households are sheep (46 percent) and cattle (33 percent). Horses, donkeys and camels are not that common in Nigeria and only 0.2, 1.0 and 0.5 percent of agricultural households respectively reported on raising of these species (Listing Table 17). It should be noted that the horses are not used for agricultural activities in Nigeria.

In general, more male headed agricultural households own livestock compared to that of female headed households. At the national level, only 10 percent of female headed agricultural households reported ownership of any livestock. However, it is important to note that about 35 percent of female headed agricultural households in Anambra and Lagos state own goats at the time of listing (Listing Table 17A).

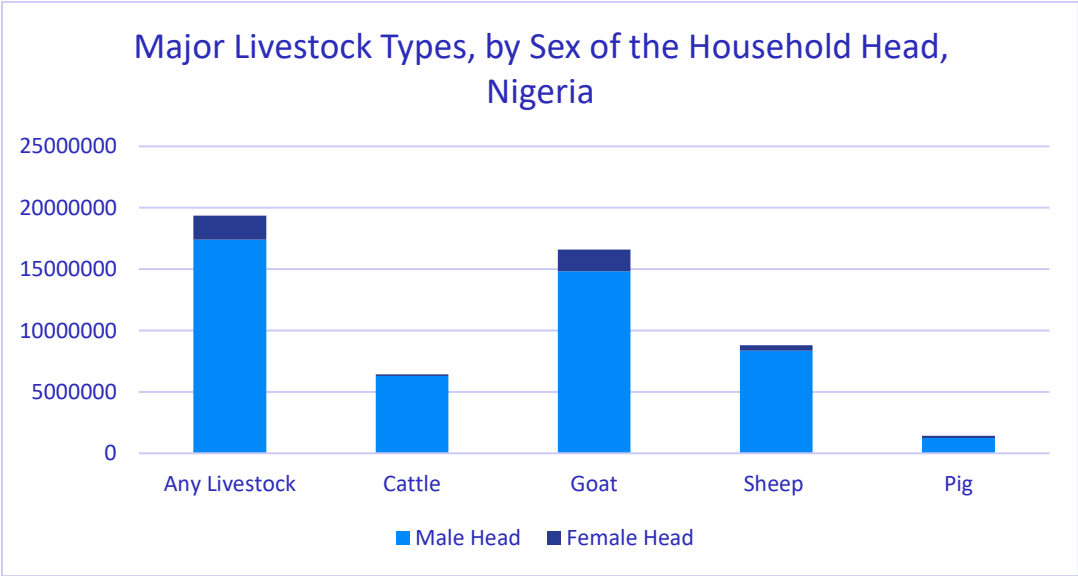


Figure 7. Major Livestock Types, by Sex of the Household Head

According to the results from the listing data, about 6 million agricultural households raise about 58 million cattle in Nigeria. The national average cattle herd size is about 9 with significant state level variations. The highest average cattle herd size, 34.9, is reported in Rivers state while the lowest average, 3.7, is reported in Ebonyi state. In addition, about 37 percent of households raising cattle reported having only 1 – 2 cattle while only 2.9 percent of these holdings raise more than 50 head of cattle.

Compared to other types of livestock, goat raising is more popular in Nigeria. According to the results from the listing data, about 16.6 million agricultural households raise about 124 million goats in Nigeria. It was found that about 38 percent of goat raising agricultural households possess 5 to 9 goats and the highest average goat herd size of 16.7 has been reported in Rivers state. Similarly, the highest average sheep herd size, 22.4, is also reported in Rivers state while the average sheep herd size at national level was found to be 7.3.



**Figure 8. Goat Herd Sizes, Nigeria**

Despite lower involvement in raising pigs by agricultural households, the highest average herd size among pig raising agricultural households has been observed in Kwara state followed by Rivers, Edo, Abia and Anambra states. While Kwara state reported an average pig herd size of 71, pig raising households in Rivers, Edo, Abia and Anambra states reported an average pig herd size of 58, 55, 39 and 38 respectively. On the other hand, the data from the listing shows that horse, donkey and camel raising is not a common exercise by the agricultural households in Nigeria. There are only about 175,000 camels raised by 90,000 agricultural households and about

411,000 donkeys raised by about 194,000 agricultural households (Listing Table 17 Cattle - Listing Table 17 Camel).

When it comes to poultry, about 42.5 percent of agricultural households raise poultry, most commonly chicken. About 65 percent of agricultural households in Benue state report raising any type of poultry and only 6.1 percent of the agricultural households in Bayelsa state report doing the same. While chicken is the most common poultry type raised by more than 95 percent of poultry raising households in most of the states, turkey is raised by only 5.4 percent of agricultural households (Listing Table 18). Among 17 million agricultural households raising any type of poultry, about 85 percent of these households are headed by males which shows a similar pattern among any livestock raising agricultural households, as stated earlier. At the national level, the average number of chickens per chicken raising agricultural household is reported to be 36.8. The highest average value of 179.4 is reported in Edo state followed by Rivers state with an average of 114.3. On the contrary, the lowest average chicken number per chicken raising agricultural households has been reported in Jigawa state with a value of 12.5. As it can be seen from the listing data, in general, raising ducks, Guinea fowl and turkey is not that common of a practice in Nigeria. Out of the 40.2 million agricultural households, only about one million agricultural households report raising these types of poultry. Even comparing with that of any poultry raising agricultural households, agricultural households raising these types of poultry is not that significant (Listing Table 18 Duck – Listing Table 18 Turkey).

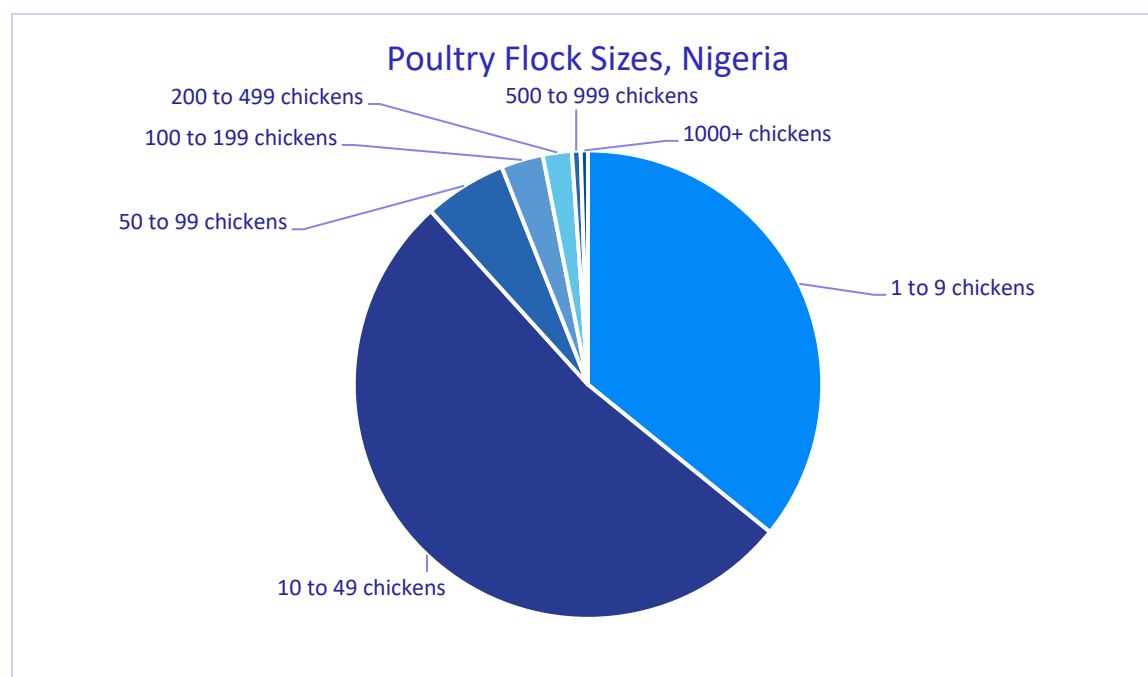


Figure 9. Poultry Flock Sizes, Nigeria

In general, the results from the listing data shows that quite a reasonable proportion of households that own livestock also have 5 – 9 plots (it should be noted that the plots dedicated entirely for grazing are excluded in this survey). However, it is important to note that despite the herd size, more than 60 percent of agricultural households owning livestock have 1 – 4 plots in most of the cases. The characteristics described above hold true when looking at the results among different livestock types ( [Listing Table 22](#)).

An attempt was made to look at the distribution of the total livestock population (including poultry) using the Tropical Livestock Unit (TLU). Accordingly, about 33 percent of the livestock population in Nigeria is found in North West Zone followed by 28 percent in North East Zone. Looking this population distribution (in TLU) by states, it was found out that Bauchi state has about 12 percent of the livestock population followed by Kano with about 8 percent ([Listing Table 23](#)).

### **c. Fisheries**

The NASC listing data reveals that only five (5) percent of the agricultural households practice fisheries in Nigeria. Of the agricultural households that practice fishery activity, fish hunting/capture is practiced by about 65 percent, followed by 40 percent that practice fish farming/aquaculture ([Listing Table 19](#)). Among those households reporting practicing fisheries, fish farming/aquaculture is most commonly practiced in , FCT , Oyo, Enugu and Imo states. In these states more than 90 percent of households practicing fisheries reported fish farming/aquaculture. Looking at the practice of fishing among male and female headed household, the data from the listing confirms that female headed households are still less involved compared to the male headed ones. Accordingly, out of the total two million agricultural households that practice fisheries, only 17 percent are female headed households and this percentage distribution is almost the same as those practicing hunting and/or fish farming/aquaculture ([Listing Table 19A](#)).

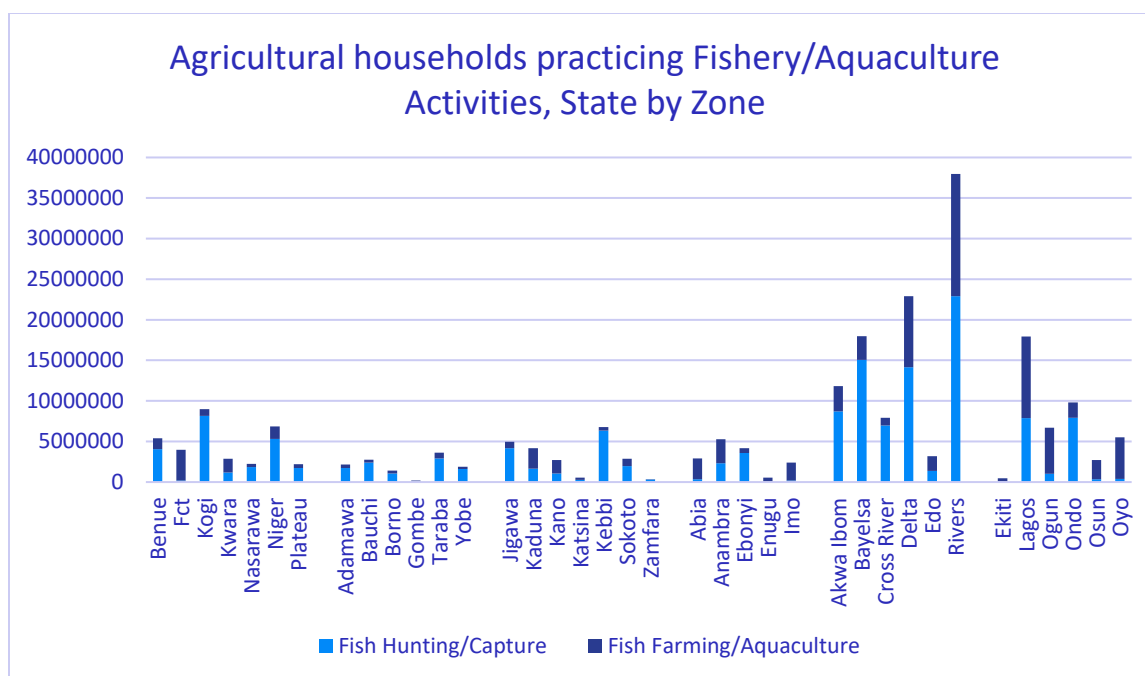
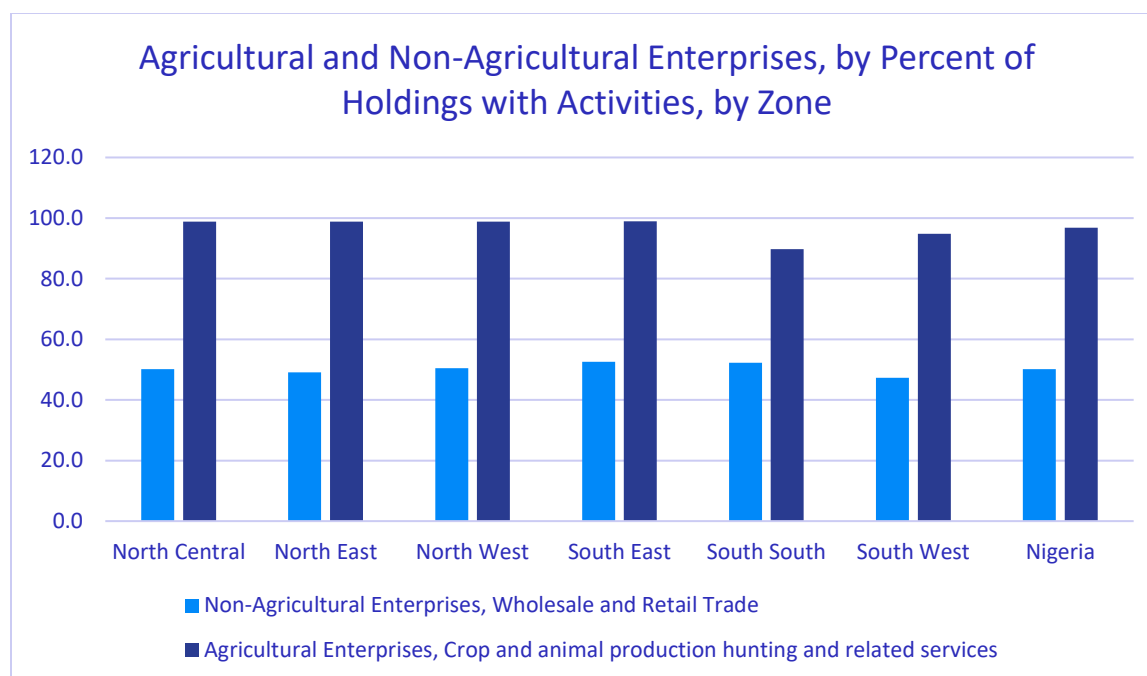


Figure 10. Agricultural Households practicing Fishery/Aquaculture Activities

## d. Agricultural enterprises

Data on ownership of non-agricultural enterprises was collected during the listing of NASC and about 45 percent of agricultural households reported ownership of some kind of non-agricultural enterprises. The most common non-agricultural enterprises reported are wholesale and retail trade and other personal services. Accordingly, about 50 percent of the agricultural households who report ownership of non-agricultural enterprises own wholesale and retail trades, while about 34 percent of them reporting ownership of other personal services like beauty salon , CCTV installation etc.

In addition to ownership of non-agricultural enterprises, an attempt was made to collect data on ownership of agricultural enterprises. The result from the listing data of NASC shows that about 37 percent of agricultural households owns agricultural enterprises, mainly crop and animal production hunting and related service activities (section A, Division 01 of ISIC Rev 4). Out of the total 15 million households reporting ownership of agricultural enterprises, only 2.5 percent report agricultural enterprise related to forestry, logging and related services. (Listing Table 20 – Listing Table 21)



**Figure 11. Agricultural and Non-Agricultural Enterprises, by Percent of Holdings with Activities, by Zone**

## 4. Summary of the survey results from the Community survey

*This section provides highlights from the NASC community survey tables. The full list of tables is provided in Annex 5 of this document and the tables are available in an electronic format.*

### a. Agricultural activities in the community

#### i. Crops

According to the findings from community survey, 92 percent of the communities interviewed reported that rainfed agriculture is practiced in the community while irrigation farming is practiced with only 27 percent of the communities interviewed. However, some state level variations have been observed and accordingly in Kebbi state about 67 percent of the communities interviewed reported the use of irrigation farming, followed by Kaduna state with 63 percent, both states are in the North west zone; while only three percent of the communities interviewed in Imo state reported irrigation use for temporary crops farming. Market gardening, cultivation of forestry and wooded land and wild crop forging (mainly for livestock) seem not that common in Nigeria. Out of the total 26,556 communities interviewed, only 28, 14 and 9 percent of the communities reported for market gardening, cultivation of forestry and wooden land and wild crop forging activities respectively. On the other hand, about 46 percent of the communities interviewed reported the practice of cultivating permanent crops with communities in Ebonyi states reporting the highest, 93 percent, followed by Cross River with 87 percent of the communities interviewed ([Community Table 1](#)).

Overall, about 55 percent of the communities interviewed reported that crop diseases as one of the major difficulties faced by the farmers related to their crop production. When looking among the states, more than 70 percent of the communities interviewed in Cross River, Akwa Ibom and Nasarawa states reported crop diseases as the major difficulties for their crop production. High Input costs, limited access to machinery /equipment, low adoption of improved technologies and lack of /difficulties in getting inputs are other important reasons mentioned, with respectively 69, 56, 48 and 45 percent of the communities interviewed. ([Community Table 18](#)).

## ii. Livestock

Consistent with the results from the listing data, the results from the community survey also shows that goat rising followed by poultry, sheep and cattle are more practiced in Nigeria. The result from this survey reveals that goat raising are reported by about 87 percent of the communities interviewed followed by poultry (78 percent), sheep (71.4 percent) and cattle (51 percent). It is important to note that there is a significant zonal difference in cattle raising in different zones in Nigeria. The community survey result reveals that while 89 percent of the communities interviewed reported cattle raising practicing in North West Zone of Nigeria, only 9 percent of the communities reported the same in South South Zone of Nigeria. On the other hand, the community survey result shows that pig raising, bee keeping , snailry, grasscutter farming and rabbitry are not that common in Nigeria and out of the total 26,556 communities interviewed, only 26, 0.6, 1.5 0.2 and 0.6 percent of the communities reported for pig raising, bee keeping , snaily grasscutter farming and rabbitry respectively **Community Table 2**).

Among the total communities interviewed, about 60, 47 and 45 percent of the communities reported difficulty in accessing credit, difficulty in accessing veterinary service and high cost of cattle feed respectively to be the main problems related to livestock production in the last three years in their communities. Looking these difficulties by states, more than 70 percent of the communities interviewed in Kwara, Bauchi, Akwa Ibom and cross River States reported difficulty in accessing credit to be the dominant problem for livestock production (**Community Table 19**).

Communities were asked on the availability of vaccination campaigns and the type of vaccination that is commonly provided in the community. Only 12 percent of the communities interviewed reported the existence of such vaccination campaigns. However, about 48 percent of the communities in Gombe state reported availability of the same which is the highest compared to the other states. Despite such a low availability of vaccination campaigns, PRP (goat disease), fowl cholera and fowl typhoid vaccinations are the most provided vaccinations (**Community Table 21**).

Data on the usage of antibiotics drugs, hormones, application of traditional medicine and the type of traditional medicine used for livestock have been collected through the community level questionnaire. The result shows that about 65 percent of the communities reported the use of antibiotics drugs and only 34 percent of the communities interviewed use hormones to boost the livestock productivity. Similarly, about 66 percent of the communities interviewed reported that they apply traditional medicine to treat sick livestock. The highest percentage of use of antibiotics drugs and hormones has been reported in in Jigawa State and about 85 and 66 percent of the

communities interviewed in this State reported the use of antibiotics and hormones respectively (Community Table 22).

About 47 percent of the communities interviewed report that there was insufficient feed for livestock in 2022. In particular, about 77 and 74 percent of the communities in Adamawa, Bauchi as well as Gombe States ( all in North East Zone) respectively report the shortage of feed in 2022. According to the communities interview the highest shortage of feed was observed in March and April 2022 (Community Table 23). In addition to feed, the communities interviewed were asked about their main source of water for their livestock. The result shows that boreholes and rivers are the main source of water for livestock (31 percent) followed by well (30 percent). Dams/lakes, springs and rainwater harvesting are not used often as sources of water for livestock in Nigeria according to the communities interviewed.

Looking at the States, about 68 percent of the communities interviewed in Sokoto reported wells as their main source water for livestock while about 65 percent of communities interviewed in Taraba State reported rivers as the main source of water for their livestock. On the other hand, about 73 percent of the communities interviewed in Lagos state responded boreholes as their main source of water for their livestock (Community Table 24). According to the results from the community survey, only 27 percent of the communities interviewed reported shortage of water for their livestock in the 12 months preceding the survey and this shortage was relatively sever in February, March and April 2022 (Community Table 25). The community survey also attempted to collect data on the locations for the livestock grazing. According to the findings of the survey, household lands/fields are the most commonly used grazing location reported by about 48 percent of the communities. The next most common grazing locality reported by about 16 percent of the communities interviewed is unused state lands. Among the states, the use of unused state lands for livestock grazing is reported by about 37 percent of the communities interviewed in Jigawa state which is the highest compared to the other states. (Community Table 27).

Regarding to disposal methods for deceased animals, about 74 percent of the communities interviewed responded that they just buried on the holding their deceased animals. On the other hand, about 12 percent of the communities reported that they use their bodies of their deceased animals as manure. Although the percentage is very low, about one percent of the communities interviewed consume their deceased animals (Community Table 26).

Based on the results from the community level survey, in general, sedentary livestock activity is more common in Nigeria compared to nomadic or transhumance types of livestock activity. The result shows that among the communities interviewed, about 77 percent of the communities with livestock raising practice sedentary livestock activity while 29 percent and 6 percent report

nomadic and transhumance types of livestock activity. Compared to the other States, nomadic type of livestock activity is more common in Niger and Kwara states and about 58 and 54 percent of the communities interviewed in these states reported nomadic livestock practices respectively. The community survey results further shows that goats are the most common ruminants that the communities practiced nomadic breeding or transhumance and this is reported by about 80 percent of the communities practicing one of these practices (Community Table 28).

### **iii. Fisheries**

Based on the findings from the community survey, fisheries activities are not that common in Nigeria. Accordingly, the community survey result reveals that only 24 and 16 percent of the communities interviewed reported aquaculture (fish farming) and artisanal fishing respectively. On the other hand, only 3 percent of the communities practice marine industrial fishing (Community Table 3).

According to the community survey results, among the total communities interviewed, about 68 percent of the communities reported that low financial capability, access to credit, insufficient infrastructure to support aquaculture and lack of fishing equipment as the major constraints related fishing and aquaculture. More than 60 percent of the communities identified these constraints as the main constraints for fisheries production. (Community Table 20).

### **iv. Agro- processing activities**

Data on the practice of agro-processing was collected from the communities interviewed. According to the findings, while 68 and 37 percent of the communities interviewed reported practicing crop processing and livestock processing respectively, only 11 and 14 percent of the communities reported practicing forest wood processing and fish processing respectively (Community Table 4).

Out of the 26,555 communities interviewed during the community survey, about 70 percent of the communities reported availability of one or more types of agricultural facilities. Milling facilities are The most commonly agricultural facilities available, according to the response by the communities interviewed , reported in 38 percent of the communities interviewed, followed by corn husker, palm oil mill and rice husker are reported in 24, 28 and 24 percent of communities respectively.

However, only about 18 percent of the communities in Imo and Rivers state reported the availability of milling facilities in their community. 24 percent of communities report availability of slaughterhouses. In addition, only 1.7 percent of the communities reported availability of commercialization facilities within their communities. Facilities for processing and conservation of crop products, are available in respectively 23 and 16 percent of the communities interviewed. Facilities for processing and conservation of milk are available in less than 2 percent of the communities interviewed. Even in the North west zone of the country where the cattle concentration is bigger, the milk processing facilities are available in only 3 percent of the communities. (Community Table 5).

## **b. Disasters and shocks**

Some questions on the movement of people in the communities were included in the community level survey. The result shows that while almost half of the communities interviewed reported that there was some kind of movements by the member (s) of the community in the past 12 months ( as at the survey date) the remaining half reported the opposite. Looking this at the State level, about 86 and 82 percent of the communities interviewed in Bayelsa and Akwa Ibom States respectively reported some kind of movement by community member(s) in the last 12 months. While many reasons were mentioned for the reported movements, looking for job opportunities has been reported by about 36 percent the communities that reported some kind of movement in the past one year (Community Table 31). The survey also attempts to collect influx of new households to the community in the past 12 months ( as at the survey date) . Accordingly, about 53 percent of the communities interviewed reported that there were some influxes of households in the past 12 months to their communities. Looking at the reason for the reported influx, while about 23 percent of the communities interviewed associated this influx related to looking for more/better land to cultivate, another 16 percent of the communities interviewed associate it with fleeing conflict/insecurity. Among those who reported influxes, about 88 percent of the communities interviewed in Zamfara state associated this influx with fleeing conflict/insecurity (Community Table 32).

Communities were requested to respond if they have suffered from any natural extreme events or disasters in the past three years. The results then show that about 20 percent of the communities interviewed has some kind of natural extreme events or disasters in the past three years and flooding has been reported by about 54 percent of the communities that reported disaster or extreme events (Community Table 33). The communities interviewed reported that on average, they experienced drought about three times, flood about three times, heavy rain fall again about four times in the past 3 years. Communities interviewed reported that they experienced extreme wind three times, extreme temperature four times and fire disaster three

times in the past three years. Having a deeper look at the States, communities interviewed in Lagos State reported that on average they experienced heavy rainfall and floods 10 times and nine times respectively in the last three years. Similarly, while communities interviewed in Edo state reported that they were affected seven times by drought in the past 3 years, communities in Kebbi State were affected by extreme temperature on average eight times in the past three years (Community Table 34\_1 – Table 34\_7).

### **c. Environment, infrastructure, transportation, and resource management**

Some data on the environmental issues in the community including officially protected areas, preserved areas, forest or woodlands and environmental contamination and concerns were collected during the community level survey. It is important to note here that these question referred only to those agricultural holders with livestock. Accordingly, only four percent of the communities interviewed reported the existence of natural reserves or environmentally protected areas or areas under forest or woodland partially or totally under sustainable forest management. On the other hand, only 14 percent of the communities interviewed reported availability of sites that are under environmental protection measures. In this regard, about 59 percent of the communities interviewed in Bayelsa State reported availability of sites under environmental protection which is the highest compared to the other States (Community Table 29).

At the time of the survey, about 43 percent of the communities interviewed had no source of electricity available in their community. Availability of electricity was worst in Taraba state whereby about 75 percent of the communities interviewed reported no availability of electricity followed by Borno state 70 percent and Bauchi state 69 percent, all three states are in North East zone. As expected, availability of electricity was reported better in Lagos state with 96 percent of the communities reporting with availability of electricity followed by 77 percent in Osun state (Table 7). There is no other significant source of electricity reported except for the national grid (PHCN). However, solar energy is reported by about 9 percent of the communities interviewed (Community Table 7).

From the community level survey, it was found out that firewood is the most commonly used energy source reported by about 86 percent of the communities interviewed. Other energy sources, like electricity, Kerosene and Gas are not that commonly used by the communities and the survey result shows no significance difference among the States in the use of these

alternative energy sources ([Community Table 30](#)). Here it is also important to note that this question on source of energy was asked only for agricultural holdings with livestock.

The main source of drinking water was asked during the survey. Rainwater is the most used source, reported in 53 percent of the communities, followed by Piped water from tube well or borehole, protected dug well and unprotected dug well ([Community Table 30](#)). (Reminder: this question on source of drinking was asked only for agricultural holdings with livestock)

The community level questionnaire included some questions related to land characteristics in the community. The finding of the survey then shows that more than 50 percent of the communities interviewed were affected by land degradation/decrease of soil fertility in the past three years in various degrees. In addition, about 51 percent of the communities interviewed reported that the land degradation/ decrease of soil fertility has been increasing in the past three years. On the other hand, while about 29 percent of the communities reported the decrease in land degradation/decrease in soil fertility, the other 20 percent reported no change in the past three years ([Community Table 8](#)).

Similarly, the community level questionnaire collects data on the share of farmland in the community affected by desertification. In this regard, the survey result shows that about 62 percent of the communities reported that their farmland was not affected by desertification while the remaining 38 percent reported desertification of various degrees ([Community Table 9](#)). The survey also collects data on the share of farmland abandoned in the past three years. Based on the findings, about 40 percent of the community reported the abandonment of farmland and about 43 percent of the communities reported that this trend of abandoning farmland is increasing in the past three years ([Community Table 10](#)).

Looking at the availability of land under irrigation, about 75 percent of the communities reported unavailability of land under irrigation in their community, the river is the main source of irrigation water. However, it is important to note here that there are some state level variations. Based on the results from the survey, about 64 percent of the communities in Kebbi State and about 56 percent of the communities in Kaduna and Sokoto States reported the availability of land under irrigation in their communities. ([Community Table 12](#)).

Based on the results from the community level survey, only 28 percent of the communities have a wholesale market available within their communities for the farmers to sell their agricultural products. On the other hand, while about 62 percent of the communities reported they have the wholesale market with in the LGAs, the remaining nine percent of the communities reported that they travel to another LGA to sell their agricultural products in the wholesale market. Considering the distance to the nearest markets, at national level, only eight percent of the communities reported that they travel more than 2 km to reach to the nearest markets. However, about 20

and 18 percent of the communities travel more than 2 km in Adamawa and Ebonyi states respectively ([Community Table 13](#)).

About 69 percent of the communities interviewed reported that they have input supplier/fertilizer shop within their community and only 2 percent of the communities reported they have to travel to other LGAs to find input suppliers. These figures are similar to those for Seeds/planting materials shop. The extension services are present in 55 percent of the interviewed Communities. ([Community Table 14](#)).

From the results of the community level survey, land and livestock related issues score the main causes of conflicts in the community while water related, and boundary issues are also reported as the causes of conflicts. In this regard, about 89 percent of the communities interviewed in Anambra State ranked land related conflicts as the first main source of conflict in the community. Similarly, about 76 percent of the communities interviewed in Kebbi State ranked water related issue as the first source of conflict in the community. ([Community Table 17](#)).

Using the community level questionnaire, data on availability of some important infrastructure including nurseries, primary schools, hospitals, private clinics, main access roads, banks, microfinance institutions etc. were collected. In addition to the availability, data on accessibility including the distance to these different infrastructures were also collected. Moreover, means of transportation used to access these infrastructures have also been included. Accordingly, fire stations, post offices, banks and microfinance infrastructure are reported only by three, five and seven percent of the communities interviewed respectively. On the other hand, mosques or churches, primary schools, and main access roads are reported by 93, 71 and 57 percent of the communities interviewed respectively ([Community Table 35\\_1 – 35\\_17](#)).

Regarding the communal resources available in the community, while about 33 and 27 percent of the communities interviewed reported existence of river/stream and arable land respectively, only five percent of the communities reported that they have area under water for aquaculture as a communal resource. Forest as a communal resource is reported by 17 percent of the communities interviewed. About 45 percent of the communities interviewed in Bayelsa State reported that they have forests as a community resource ([Community Table 38](#)).

Based on the findings from the community interview, the median value for the cost of buying one acre of land with formal rights in Nigeria is about 550,000 Naira. However, this value varies across states, and it is about 8,000,000 Naira in Lagos State while this value is about 150,000 Naira in Borno State. The data also shows that the cost of buying the same size of land without formal rights is less compared to buying with formal rights. On the other hand, the median value for the cost of renting one acre of land without sharecropping agreements is 20,000 Naira again

with some variations in different States ([Community Table 40a](#)). Looking at land and rental costs among urban and rural communities, the data confirms both land and rental costs are higher in urban communities compared to the rural ones ([Community Table 40b](#)). When we look at the proportion of harvested crop usually given to landowners on sharecropping land/plots, about 85 percent of the communities interviewed reported that they share in the class [1 to 25 percent] of the harvested crop ([Community Table 41](#)).

About 82 percent of the communities interviewed reported that they enjoy property rights to their own plots. When asked if the communities have plots that they practiced farming activities for more than 10 years without any land title document, about 38 percent of the communities interviewed responded “Yes” and this shows there are some households having plots without any land title documents. Similarly, about 25 percent of the communities interviewed report that they exploit plots that are owned in common by the community or their family. In addition, about 33 percent of the communities interviewed responded that they allow others to use their land for a fixed price or a certain percentage of harvest. When it comes to the rights to sell land, about 54 percent of the communities interviewed confirmed their right to sell land and almost the same proportion of the communities interviewed reported that they can typically inherit land and/or pass on land when they die ([Community Table 42](#)).

Data on community events that occurred during the last three years were collected through the community level questionnaire. This includes events like development projects, new employment opportunities, new health facilities, new roads, new schools, improved transportation services, new on/off grid electricity and new irrigation facility. According to the response from the communities, about 18 percent of the communities reported events on development projects and about 12 percent reported events related to launch of new roads. On the other hand, less than two percent of the communities interviewed reported events related to new irrigation facilities and new off-grid electricity. ([Community Table 47\\_1 – Table 47\\_9](#)).

## **d. Community organizations**

An attempt was made to collect data on the sources of agricultural credit available to the members of the community. The community level survey result reveals that such credit facilities are not that common in Nigeria. Overall, only seven percent of the communities reported the microcredits and banks as a source of agricultural credit. However, about 14 percent of the communities in Ogun State and about 26 percent of the communities in Lagos State reported microcredits and banks as their source of agricultural credit respectively ([Community Table 15](#)).

Out of the total communities interviewed, only 2, 907 communities (11 percent) reported that their members can borrow money from the banks. While in most of the states availability of this loans from the banks is low, about 37 percent of the communities in Lagos State reported the availability of this credits. Those who reported credit availability from banks were asked if these credits require some collaterals. According to the response obtained from the communities, about 88 percent of the communities having access to loans confirms the need of collaterals from the banks to have this loan. Among those reporting the availability of credits, about 92 percent reported that such loans are also available for women. Compared to the banks, the possibility to borrow money seems somewhat better with the cooperatives in Nigeria according to the results from the community level data. The result shows that about 24 percent of the communities interviewed reported that availability of credits from cooperatives and among these about 57 percent reported that the cooperatives require some kind of collateral to provide the loans. Again, compared to the banks, the cooperatives are less demanding regarding collaterals (Community Table 44).

Looking at the community organization that exist in the communities, youth group and women group organizations are commonly reported by about 74 and 61 percent of the communities interviewed respectively. Similarly, at least one village development committee exist in about 57 percent of the communities interviewed with an average of 50 members. In particular, about 84 percent of the communities interviewed in the Rivers State reported that they have village development committees in their community. However, community organizations like agricultural cooperations/farmers-based organizations, water use associations and NGOs are not that common in Nigeria and reported by about 0.2 and four percent of the communities interviewed respectively (Community Table 36 and Community Table 47\_1 – Community table 47\_10).

## **e. Labour**

The community level survey collects some important data on labour including the practice of hiring of labour by the farmers, the main activities of the labourers, the location of the work for the labourers, amount paid and others.

From the findings, hiring labour for working on the farm is a common practice in Nigeria, Except for Lagos State, more than 70 percent of the communities interviewed in each state reported that they hire labour to work in their farms. In Lagos State only 11 and nine percent of male farmers and female farmers reported hiring of labour respectively (Community Table 48). About half of the communities interviewed reported that these labourers are hired to work in the plots

found both within and outside of the community and this proportion doesn't have a significant difference between male farmers and female farmers hiring these labourers ([Community Table 49](#)).

Based on the finding of the community survey, farmers hire labor more for clearing and preparing fields and weeding cultivated plots, and less for applying fertilizers. Accordingly about 49 percent of communities interviewed hire labour for applying fertilizers while about 85 and 83 percent of the communities reported they hire labour for clearing fields and preparing fields respectively. These proportions are not significantly different between male and female farmers ([Community Table 50](#)).

Children are also hired to work on the farm, and about 32 percent of the communities confirm that male farmers use children for clearing and preparing fields. Similarly about 44 and 40 percent of the communities interviewed reported that male farmers in their communities use children for activities related to applying fertilizers and weed cultivation respectively. No significant difference on the proportion of the use of children for different activities has been observed with the female farmers. Looking at the states, about 71 percent of the communities interviewed in Kaduna State reported that male farmers in their community use children for clearing fields while only three percent of the communities in Lagos state reported the same ([Community Table 51](#)).

Regarding the amount of money paid for labour, on average men and women labourers are paid about 2,000 Naira per day for most of the activities while children are paid around 1,000 Naira. Compared to other states, higher labor costs were reported in Anambra and Lagos States ([Community Table 52](#)).

The community level survey attempts to collect data on the type of activities that involves laborers during cultivation of crop plots. The result from the survey shows that about 48 percent of communities interviewed confirm male farmers in their community use labour for processing. On the other hand, about 78 and 79 percent of communities reported that male farmers in their community hire labour during planting and harvesting respectively. While 46 percent of the communities in Imo States reported male farmers in their community hire labor for harvesting, about 94 percent of the communities in Gombe and Katsina states reported the same ([Community Table 53](#)). While male farmers pay on average 2,000 and 1,500 Naira per day for male and female labourers respectively, children are paid 800 Naira for planting. Similarly male and female laborers are paid 2,000 Naira per day on average for harvesting and children are paid 1,000 Naira for the same activity. The amount paid is more or less similar by the female farmers as well ([Community Table 54](#)). The results from the community survey reveals that while 63 percent of the communities reported that female farmers in their community hire women for

harvesting, only 48 percent of male farmers hire women laborers for harvesting activity (Community Table 55).

# **Annex I: Details of sampling procedure implemented in the Listing and Community survey**

This annex presents an overview of the sample design for survey operations conducted in the framework of the 2022/2023 National Agricultural Sample Census of Nigeria including the extended listing operation and the community survey.

## **Listing survey:**

This was a full listing of households in a large sample of enumeration areas (EAs) with a comprehensive questionnaire collecting demographic and core structural agriculture data.

Estimation domains: Estimation domains are administrative areas from which reliable estimates are expected. The sample size planned for the extended listing operation should allow reporting key structural agricultural statistics at Local Government Area (LGA) level.

Population units: Population units of this operation are households with members practicing agricultural activities on their own account (“farming households”). However, all households in selected EAs were observed as much as possible to ensuring a complete coverage of farming households.

Sampling units and sampling frame: Sampling units are the enumeration areas, and the sampling frame consists of the full list of EAs developed by the National Population Commission (NPC) in the framework of the upcoming population and housing census.

Sampling method: The sampling method is a stratified two-phase cluster sampling.

Stratification: The sampling frame was stratified by urban/rural criteria in each LGA (estimation domain/analytical stratum).

## **Sample size, allocation, and selection method:**

- First phase: in each LGA a total sample of 80 EAs were allocated in each strata (urban/rural) proportionally to their number of EAs with reallocations as need be. In each stratum, the sample was selected with a Pareto probability proportional to size considering the number of households as measure of size.

- Second phase: systematic subsampling of 40 EAs (10 in Urban and 30 in Rural with reallocations as needed if there were fewer than 10 Urban or 30 Rural EAs in an LGA). That phase was implicitly stratified through sorting the first phase sample by geography. With a total of 773 LGAs covered in the frame<sup>3</sup>, the total planned sample size was 30920 EAs. However, during fieldwork 2 LGAs were unable to be covered due to insecurity and in a further 4 LGA the fieldwork was suspended early due to insecurity. For the same reason, replacements of some sampled EAs were needed in many LGAs. The team was advised to select replacement units where possible considering appurtenance to the same stratum and similarity including in terms of population size. However about 609 EAs replacement units were selected from a different stratum and were discarded from data processing and reporting.

Estimation procedures and sampling error: The final probability of selection of each EA is the product of its probabilities of selection in the first and second phase sampling. The design weight is the inverse of the final selection probability. Design weights were adjusted for non-response and scaled to the updated frame population providing final weights for producing estimates (mean, totals, proportions...) with standard Horvitz–Thompson estimators. Given the complexity of the sample design, sampling errors will be estimated through resampling approaches (Bootstrap/Jackknife).

It is important to note that during the data processing the sampling weights were calibrated using preliminary estimates of numbers of households from the cartographic work by the National Population Commission of Nigeria.

### **Community survey:**

Focus group interviews were performed in communities overlapping with in the EAs selected for the extended listing operation. Accordingly, a focus group discussion in a total of 26,555 communities were undertaken to administer the community level questionnaire. It is important to note here that the results from the community survey are unweighted results and all the tables produced from the community level data are only from the 26,555 communities interviewed.

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<sup>3</sup> At the time of NASC sampling, the frame was complete for 773 out of the 774 LGAs in Nigeria. However, the one LGA not covered in the frame from Borno state would likely not have been accessible by NASC field teams anyway (this is also the reason it was not covered in the frame).

# TOTAL NUMBER OF EA AND HOUSEHOLD COVERED BY STATE AND LGA

| S/N | STATE     | LGA               | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|-----------|-------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 1   | ABIA      | ABA NORTH         | 40                          | 40                                  | 1353                           | 286                         | 21.14                         |
| 2   | ABIA      | ABA SOUTH         | 40                          | 39                                  | 1191                           | 711                         | 59.70                         |
| 3   | ABIA      | AROCHUKWU         | 40                          | 40                                  | 1816                           | 1670                        | 91.96                         |
| 4   | ABIA      | BENDE             | 40                          | 40                                  | 1447                           | 1333                        | 92.12                         |
| 5   | ABIA      | IKWUANO           | 40                          | 40                                  | 1265                           | 1206                        | 95.34                         |
| 6   | ABIA      | ISIALA-NGWA NORTH | 40                          | 40                                  | 1185                           | 1152                        | 97.22                         |
| 7   | ABIA      | ISIALA-NGWA SOUTH | 40                          | 40                                  | 1466                           | 1415                        | 96.52                         |
| 8   | ABIA      | ISUIKWUATO        | 40                          | 40                                  | 1475                           | 1387                        | 94.03                         |
| 9   | ABIA      | OBI NGWA          | 40                          | 40                                  | 1946                           | 1497                        | 76.93                         |
| 10  | ABIA      | OHAFIA            | 40                          | 40                                  | 1174                           | 986                         | 83.99                         |
| 11  | ABIA      | OSISIOMA NGWA     | 40                          | 40                                  | 1298                           | 1126                        | 86.75                         |
| 12  | ABIA      | UGWUNAGHO         | 40                          | 40                                  | 1412                           | 1217                        | 86.19                         |
| 13  | ABIA      | UKWA EAST         | 40                          | 40                                  | 1722                           | 1628                        | 94.54                         |
| 14  | ABIA      | UKWA WEST         | 40                          | 40                                  | 1397                           | 1281                        | 91.70                         |
| 15  | ABIA      | UMU-NNEOCHI       | 40                          | 40                                  | 842                            | 808                         | 95.96                         |
| 16  | ABIA      | UMUAHIA NORTH     | 40                          | 40                                  | 869                            | 690                         | 79.40                         |
| 17  | ABIA      | UMUAHIA SOUTH     | 40                          | 40                                  | 1219                           | 898                         | 73.67                         |
| 18  | ADAMAWA   | DEMSA             | 40                          | 40                                  | 1801                           | 1677                        | 93.11                         |
| 19  | ADAMAWA   | FUFORE            | 40                          | 40                                  | 1869                           | 1842                        | 98.56                         |
| 20  | ADAMAWA   | GANYE             | 40                          | 40                                  | 1593                           | 1588                        | 99.69                         |
| 21  | ADAMAWA   | GIREI             | 40                          | 40                                  | 2185                           | 2049                        | 93.78                         |
| 22  | ADAMAWA   | GOMBI             | 40                          | 40                                  | 1628                           | 1545                        | 94.90                         |
| 23  | ADAMAWA   | GUYUK             | 40                          | 40                                  | 1990                           | 1984                        | 99.70                         |
| 24  | ADAMAWA   | HONG              | 40                          | 40                                  | 1525                           | 1498                        | 98.23                         |
| 25  | ADAMAWA   | JADA              | 40                          | 40                                  | 1636                           | 1614                        | 98.66                         |
| 26  | ADAMAWA   | LAMURDE           | 40                          | 40                                  | 1669                           | 1650                        | 98.86                         |
| 27  | ADAMAWA   | MADAGALI          | 40                          | 40                                  | 2159                           | 2034                        | 94.21                         |
| 28  | ADAMAWA   | MAIHA             | 40                          | 40                                  | 1178                           | 1149                        | 97.54                         |
| 29  | ADAMAWA   | MAYO-BELWA        | 40                          | 40                                  | 1511                           | 1421                        | 94.04                         |
| 30  | ADAMAWA   | MICHIKA           | 40                          | 40                                  | 2558                           | 2516                        | 98.36                         |
| 31  | ADAMAWA   | MUBI NORTH        | 40                          | 40                                  | 2342                           | 2308                        | 98.55                         |
| 32  | ADAMAWA   | MUBI SOUTH        | 40                          | 40                                  | 1144                           | 952                         | 83.22                         |
| 33  | ADAMAWA   | NUMAN             | 40                          | 40                                  | 1923                           | 1874                        | 97.45                         |
| 34  | ADAMAWA   | SHELLENG          | 40                          | 40                                  | 2075                           | 2058                        | 99.18                         |
| 35  | ADAMAWA   | SONG              | 40                          | 40                                  | 1280                           | 1242                        | 97.03                         |
| 36  | ADAMAWA   | TOUNGO            | 40                          | 40                                  | 1951                           | 1897                        | 97.23                         |
| 37  | ADAMAWA   | YOLA NORTH        | 40                          | 40                                  | 2494                           | 1718                        | 68.89                         |
| 38  | ADAMAWA   | YOLA SOUTH        | 40                          | 40                                  | 1676                           | 1487                        | 88.72                         |
| 39  | AKWA IBOM | ABAK              | 40                          | 40                                  | 1400                           | 1315                        | 93.93                         |
| 40  | AKWA IBOM | EASTERN OBOLO     | 40                          | 40                                  | 1135                           | 970                         | 85.46                         |
| 41  | AKWA IBOM | EKET              | 40                          | 40                                  | 907                            | 621                         | 68.47                         |
| 42  | AKWA IBOM | ESIT EKET         | 40                          | 40                                  | 758                            | 734                         | 96.83                         |
| 43  | AKWA IBOM | ESSIEN UDIM       | 40                          | 40                                  | 1356                           | 1309                        | 96.53                         |
| 44  | AKWA IBOM | ETIM EKPO         | 40                          | 40                                  | 2084                           | 1929                        | 92.56                         |
| 45  | AKWA IBOM | ETINAN            | 40                          | 40                                  | 1176                           | 1149                        | 97.70                         |

| S/N | STATE     | LGA               | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|-----------|-------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 46  | AKWA IBOM | IBENO             | 40                          | 40                                  | 679                            | 588                         | 86.60                         |
| 47  | AKWA IBOM | IBESIKPO ASUTAN   | 40                          | 40                                  | 1702                           | 1223                        | 71.86                         |
| 48  | AKWA IBOM | IBIONO IBOM       | 40                          | 40                                  | 1975                           | 1712                        | 86.68                         |
| 49  | AKWA IBOM | IKA               | 40                          | 40                                  | 1561                           | 1449                        | 92.83                         |
| 50  | AKWA IBOM | IKONO             | 40                          | 40                                  | 1354                           | 1302                        | 96.16                         |
| 51  | AKWA IBOM | IKOT ABASI        | 40                          | 40                                  | 1679                           | 1607                        | 95.71                         |
| 52  | AKWA IBOM | IKOT-EKPENE       | 40                          | 40                                  | 1132                           | 1016                        | 89.75                         |
| 53  | AKWA IBOM | INI               | 40                          | 40                                  | 1032                           | 1027                        | 99.52                         |
| 54  | AKWA IBOM | ITU               | 40                          | 40                                  | 2422                           | 2182                        | 90.09                         |
| 55  | AKWA IBOM | MBO               | 40                          | 40                                  | 821                            | 763                         | 92.94                         |
| 56  | AKWA IBOM | MKPAT ENIN        | 40                          | 39                                  | 1654                           | 1606                        | 97.10                         |
| 57  | AKWA IBOM | NSIT ATAI         | 40                          | 40                                  | 1864                           | 1833                        | 98.34                         |
| 58  | AKWA IBOM | NSIT IBOM         | 40                          | 40                                  | 2024                           | 1776                        | 87.75                         |
| 59  | AKWA IBOM | NSIT UBIUM        | 40                          | 40                                  | 1119                           | 1070                        | 95.62                         |
| 60  | AKWA IBOM | OBOT AKARA        | 40                          | 36                                  | 1389                           | 1374                        | 98.92                         |
| 61  | AKWA IBOM | OKOBO             | 40                          | 40                                  | 1860                           | 1825                        | 98.12                         |
| 62  | AKWA IBOM | ONNA              | 40                          | 40                                  | 1692                           | 1656                        | 97.87                         |
| 63  | AKWA IBOM | ORON              | 40                          | 40                                  | 1622                           | 1145                        | 70.59                         |
| 64  | AKWA IBOM | ORUK ANAM         | 40                          | 40                                  | 1036                           | 981                         | 94.69                         |
| 65  | AKWA IBOM | UDUNG UKO         | 40                          | 40                                  | 1034                           | 982                         | 94.97                         |
| 66  | AKWA IBOM | UKANAFUN          | 40                          | 40                                  | 1026                           | 1013                        | 98.73                         |
| 67  | AKWA IBOM | URUAN             | 40                          | 40                                  | 1981                           | 1847                        | 93.24                         |
| 68  | AKWA IBOM | URUE-OFFONG/ORUKO | 40                          | 40                                  | 823                            | 813                         | 98.78                         |
| 69  | AKWA IBOM | UYO               | 40                          | 40                                  | 1437                           | 957                         | 66.60                         |
| 70  | ANAMBRA   | AGUATA            | 40                          | 40                                  | 1373                           | 1194                        | 86.96                         |
| 71  | ANAMBRA   | ANAMBRA EAST      | 40                          | 40                                  | 1271                           | 1084                        | 85.29                         |
| 72  | ANAMBRA   | ANAMBRA WEST      | 40                          | 40                                  | 1478                           | 1450                        | 98.11                         |
| 73  | ANAMBRA   | ANAOCHA           | 40                          | 40                                  | 764                            | 623                         | 81.54                         |
| 74  | ANAMBRA   | AWKA NORTH        | 40                          | 40                                  | 1232                           | 1106                        | 89.77                         |
| 75  | ANAMBRA   | AWKA SOUTH        | 40                          | 40                                  | 1057                           | 468                         | 44.28                         |
| 76  | ANAMBRA   | AYAMELUM          | 40                          | 40                                  | 1192                           | 1141                        | 95.72                         |
| 77  | ANAMBRA   | DUNUKOFIA         | 40                          | 40                                  | 1333                           | 1057                        | 79.29                         |
| 78  | ANAMBRA   | EKWUSIGO          | 40                          | 40                                  | 867                            | 775                         | 89.39                         |
| 79  | ANAMBRA   | IDEMILI NORTH     | 40                          | 40                                  | 980                            | 663                         | 67.65                         |
| 80  | ANAMBRA   | IDEMILI SOUTH     | 40                          | 40                                  | 1101                           | 831                         | 75.48                         |
| 81  | ANAMBRA   | IHIALA            | 40                          | 40                                  | 1519                           | 1243                        | 81.83                         |
| 82  | ANAMBRA   | NJIKOKA           | 40                          | 40                                  | 1298                           | 947                         | 72.96                         |
| 83  | ANAMBRA   | NNEWI NORTH       | 40                          | 40                                  | 902                            | 535                         | 59.31                         |
| 84  | ANAMBRA   | NNEWI SOUTH       | 40                          | 40                                  | 1064                           | 907                         | 85.24                         |
| 85  | ANAMBRA   | OGBARU            | 40                          | 40                                  | 1245                           | 799                         | 64.18                         |
| 86  | ANAMBRA   | ONITSHA NORTH     | 40                          | 40                                  | 909                            | 145                         | 15.95                         |
| 87  | ANAMBRA   | ONITSHA SOUTH     | 40                          | 39                                  | 1173                           | 427                         | 36.40                         |
| 88  | ANAMBRA   | ORUMBA NORTH      | 40                          | 40                                  | 1210                           | 1101                        | 90.99                         |
| 89  | ANAMBRA   | ORUMBA SOUTH      | 40                          | 39                                  | 991                            | 903                         | 91.12                         |

| S/N | STATE   | LGA              | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|---------|------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 90  | ANAMBRA | OYI              | 40                          | 40                                  | 1005                           | 860                         | 85.57                         |
| 91  | BAUCHI  | ALKALERI         | 40                          | 40                                  | 2914                           | 2871                        | 98.52                         |
| 92  | BAUCHI  | BAUCHI           | 40                          | 40                                  | 1117                           | 876                         | 78.42                         |
| 93  | BAUCHI  | BOGORO           | 40                          | 40                                  | 1797                           | 1789                        | 99.55                         |
| 94  | BAUCHI  | DAMBAN           | 40                          | 40                                  | 1224                           | 1215                        | 99.26                         |
| 95  | BAUCHI  | DARAZO           | 40                          | 40                                  | 1083                           | 1079                        | 99.63                         |
| 96  | BAUCHI  | DASS             | 40                          | 40                                  | 1892                           | 1857                        | 98.15                         |
| 97  | BAUCHI  | GAMAWA           | 40                          | 40                                  | 924                            | 915                         | 99.03                         |
| 98  | BAUCHI  | GANJUWA          | 40                          | 40                                  | 865                            | 856                         | 98.96                         |
| 99  | BAUCHI  | GIADE            | 40                          | 40                                  | 1471                           | 1456                        | 98.98                         |
| 100 | BAUCHI  | ITAS/GADAU       | 40                          | 40                                  | 1432                           | 1409                        | 98.39                         |
| 101 | BAUCHI  | JAMA'ARE         | 40                          | 40                                  | 1577                           | 1561                        | 98.99                         |
| 102 | BAUCHI  | KATAGUM          | 40                          | 40                                  | 1417                           | 1356                        | 95.70                         |
| 103 | BAUCHI  | KIRFI            | 40                          | 40                                  | 2055                           | 2053                        | 99.90                         |
| 104 | BAUCHI  | MISAU            | 40                          | 40                                  | 1473                           | 1425                        | 96.74                         |
| 105 | BAUCHI  | NINGI            | 40                          | 40                                  | 1066                           | 1057                        | 99.16                         |
| 106 | BAUCHI  | SHIRA            | 40                          | 40                                  | 1025                           | 1014                        | 98.93                         |
| 107 | BAUCHI  | TAFAWA-BALEWA    | 40                          | 40                                  | 1458                           | 1454                        | 99.73                         |
| 108 | BAUCHI  | TORO             | 40                          | 40                                  | 1235                           | 1203                        | 97.41                         |
| 109 | BAUCHI  | WARJI            | 40                          | 40                                  | 1553                           | 1552                        | 99.94                         |
| 110 | BAUCHI  | ZAKI             | 40                          | 40                                  | 1560                           | 1555                        | 99.68                         |
| 111 | BAYELSA | BRASS            | 40                          | 40                                  | 1408                           | 1093                        | 77.63                         |
| 112 | BAYELSA | EKEREMOR         | 40                          | 40                                  | 1332                           | 1099                        | 82.51                         |
| 113 | BAYELSA | KOLOKUMA/OPOKUMA | 40                          | 40                                  | 1253                           | 1061                        | 84.68                         |
| 114 | BAYELSA | NEMBE            | 40                          | 40                                  | 1301                           | 1128                        | 86.70                         |
| 115 | BAYELSA | OGBIA            | 40                          | 40                                  | 1296                           | 1031                        | 79.55                         |
| 116 | BAYELSA | SAGBAMA          | 40                          | 40                                  | 974                            | 851                         | 87.37                         |
| 117 | BAYELSA | SOUTHERN IJAW    | 40                          | 40                                  | 1099                           | 980                         | 89.17                         |
| 118 | BAYELSA | YENAGOA          | 40                          | 40                                  | 1626                           | 693                         | 42.62                         |
| 119 | BENUE   | ADO              | 40                          | 40                                  | 2396                           | 2380                        | 99.33                         |
| 120 | BENUE   | AGATU            | 40                          | 40                                  | 2376                           | 2364                        | 99.49                         |
| 121 | BENUE   | APA              | 40                          | 40                                  | 2024                           | 1931                        | 95.41                         |
| 122 | BENUE   | BURUKU           | 40                          | 40                                  | 1711                           | 1708                        | 99.82                         |
| 123 | BENUE   | GBOKO            | 40                          | 40                                  | 969                            | 925                         | 95.46                         |
| 124 | BENUE   | GUMA             | 40                          | 40                                  | 2454                           | 2407                        | 98.08                         |
| 125 | BENUE   | GWER EAST        | 40                          | 40                                  | 2018                           | 1954                        | 96.83                         |
| 126 | BENUE   | GWER WEST        | 40                          | 40                                  | 2117                           | 2110                        | 99.67                         |
| 127 | BENUE   | KATSINA ALA      | 40                          | 40                                  | 986                            | 984                         | 99.80                         |
| 128 | BENUE   | KONSHISHA        | 40                          | 40                                  | 1509                           | 1478                        | 97.95                         |
| 129 | BENUE   | KWANDE           | 40                          | 40                                  | 1461                           | 1455                        | 99.59                         |
| 130 | BENUE   | LOGO             | 40                          | 40                                  | 1546                           | 1538                        | 99.48                         |
| 131 | BENUE   | MAKURDI          | 40                          | 40                                  | 1470                           | 1293                        | 87.96                         |
| 132 | BENUE   | OBI              | 40                          | 40                                  | 2757                           | 2354                        | 85.38                         |
| 133 | BENUE   | OGBADIBO         | 40                          | 40                                  | 1391                           | 1300                        | 93.46                         |

| S/N | STATE       | LGA               | Expected Number of EA | Total Number of EA Covered | Total Households Covered | Total Farming Households | % of Farming Households |
|-----|-------------|-------------------|-----------------------|----------------------------|--------------------------|--------------------------|-------------------------|
| 134 | BENUE       | OHIMINI           | 40                    | 40                         | 2011                     | 1973                     | 98.11                   |
| 135 | BENUE       | OJU               | 40                    | 40                         | 2638                     | 2631                     | 99.73                   |
| 136 | BENUE       | OKPOKWU           | 40                    | 40                         | 1906                     | 1896                     | 99.48                   |
| 137 | BENUE       | OTUKPO            | 40                    | 40                         | 1643                     | 1534                     | 93.37                   |
| 138 | BENUE       | TARKA             | 40                    | 40                         | 2192                     | 2138                     | 97.54                   |
| 139 | BENUE       | UKUM              | 40                    | 40                         | 906                      | 903                      | 99.67                   |
| 140 | BENUE       | USHONGO           | 40                    | 40                         | 2097                     | 2063                     | 98.38                   |
| 141 | BENUE       | VANDEIKYA         | 40                    | 40                         | 1542                     | 1517                     | 98.38                   |
| 142 | BORNO       | ABADAM            | 0                     | 0                          | 0                        | 0                        | 0.00                    |
| 143 | BORNO       | ASKIRA/UBA        | 40                    | 40                         | 1104                     | 1089                     | 98.64                   |
| 144 | BORNO       | BAMA              | 40                    | 40                         | 1295                     | 911                      | 70.35                   |
| 145 | BORNO       | BAYO              | 40                    | 40                         | 1432                     | 1399                     | 97.70                   |
| 146 | BORNO       | BIU               | 40                    | 39                         | 1174                     | 1173                     | 99.91                   |
| 147 | BORNO       | CHIBOK            | 40                    | 40                         | 760                      | 754                      | 99.21                   |
| 148 | BORNO       | DAMBOA            | 40                    | 40                         | 778                      | 740                      | 95.12                   |
| 149 | BORNO       | DIKWA             | 40                    | 40                         | 1568                     | 1547                     | 98.66                   |
| 150 | BORNO       | GUBIO             | 40                    | 40                         | 1069                     | 1063                     | 99.44                   |
| 151 | BORNO       | GUZAMALA          | 40                    | 40                         | 924                      | 898                      | 97.19                   |
| 152 | BORNO       | GWOZA             | 40                    | 40                         | 1943                     | 1593                     | 81.99                   |
| 153 | BORNO       | HAWUL             | 40                    | 40                         | 1477                     | 1452                     | 98.31                   |
| 154 | BORNO       | JERE              | 40                    | 40                         | 1320                     | 751                      | 56.89                   |
| 155 | BORNO       | KAGA              | 40                    | 40                         | 998                      | 977                      | 97.90                   |
| 156 | BORNO       | KALA/BALGA        | 40                    | 40                         | 1441                     | 1290                     | 89.52                   |
| 157 | BORNO       | KONDUGA           | 40                    | 40                         | 1095                     | 913                      | 83.38                   |
| 158 | BORNO       | KUKAWA            | 40                    | 0                          | 0                        | 0                        | 0.00                    |
| 159 | BORNO       | KWAYA KUSAR       | 40                    | 40                         | 1396                     | 1368                     | 97.99                   |
| 160 | BORNO       | MAFA              | 40                    | 40                         | 1656                     | 1226                     | 74.03                   |
| 161 | BORNO       | MAGUMERI          | 40                    | 40                         | 1521                     | 1477                     | 97.11                   |
| 162 | BORNO       | MAIDUGURI         | 40                    | 35                         | 1192                     | 737                      | 61.83                   |
| 163 | BORNO       | MARTE             | 40                    | 40                         | 1069                     | 1067                     | 99.81                   |
| 164 | BORNO       | MOBBAR            | 40                    | 40                         | 1030                     | 953                      | 92.52                   |
| 165 | BORNO       | MONGUNO           | 40                    | 2                          | 185                      | 166                      | 89.73                   |
| 166 | BORNO       | NGALA             | 40                    | 40                         | 1798                     | 1649                     | 91.71                   |
| 167 | BORNO       | NGANZAI           | 40                    | 40                         | 1328                     | 1324                     | 99.70                   |
| 168 | BORNO       | SHANI             | 40                    | 40                         | 1469                     | 1437                     | 97.82                   |
| 169 | CROSS RIVER | ABI               | 40                    | 40                         | 2005                     | 1917                     | 95.61                   |
| 170 | CROSS RIVER | AKAMKPA           | 40                    | 40                         | 1395                     | 1295                     | 92.83                   |
| 171 | CROSS RIVER | AKPABUYO          | 40                    | 40                         | 1580                     | 1230                     | 77.85                   |
| 172 | CROSS RIVER | BAKASSI           | 40                    | 40                         | 1419                     | 1030                     | 72.59                   |
| 173 | CROSS RIVER | BEKWARRA          | 40                    | 40                         | 1703                     | 1654                     | 97.12                   |
| 174 | CROSS RIVER | BIASE             | 40                    | 40                         | 2179                     | 2089                     | 95.87                   |
| 175 | CROSS RIVER | BOKI              | 40                    | 40                         | 1755                     | 1601                     | 91.23                   |
| 176 | CROSS RIVER | CALABAR SOUTH     | 40                    | 40                         | 2013                     | 934                      | 46.40                   |
| 177 | CROSS RIVER | CALABAR-MUNICIPAL | 40                    | 40                         | 1880                     | 899                      | 47.82                   |

| S/N | STATE       | LGA              | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|-------------|------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 178 | CROSS RIVER | ETUNG            | 40                          | 40                                  | 2955                           | 2691                        | 91.07                         |
| 179 | CROSS RIVER | IKOM             | 40                          | 40                                  | 2703                           | 2339                        | 86.53                         |
| 180 | CROSS RIVER | OBANLIKU         | 40                          | 40                                  | 2516                           | 2484                        | 98.73                         |
| 181 | CROSS RIVER | OBUBRA           | 40                          | 40                                  | 1837                           | 1826                        | 99.40                         |
| 182 | CROSS RIVER | OBUDU            | 40                          | 40                                  | 2213                           | 2152                        | 97.24                         |
| 183 | CROSS RIVER | ODUKPANI         | 40                          | 40                                  | 2244                           | 2165                        | 96.48                         |
| 184 | CROSS RIVER | OGOJA            | 40                          | 40                                  | 2133                           | 2007                        | 94.09                         |
| 185 | CROSS RIVER | YAKURR           | 40                          | 40                                  | 1573                           | 1477                        | 93.90                         |
| 186 | CROSS RIVER | YALA             | 40                          | 40                                  | 1861                           | 1836                        | 98.66                         |
| 187 | DELTA       | ANIOCHA NORTH    | 40                          | 40                                  | 1484                           | 1240                        | 83.56                         |
| 188 | DELTA       | ANIOCHA SOUTH    | 40                          | 40                                  | 2035                           | 1616                        | 79.41                         |
| 189 | DELTA       | BOMADI           | 40                          | 40                                  | 2301                           | 1956                        | 85.01                         |
| 190 | DELTA       | BURUTU           | 40                          | 40                                  | 1621                           | 1312                        | 80.94                         |
| 191 | DELTA       | ETHIOPE EAST     | 40                          | 40                                  | 1963                           | 1043                        | 53.13                         |
| 192 | DELTA       | ETHIOPE WEST     | 40                          | 40                                  | 1954                           | 1326                        | 67.86                         |
| 193 | DELTA       | IKA NORTH EAST   | 40                          | 40                                  | 2151                           | 1459                        | 67.83                         |
| 194 | DELTA       | IKA SOUTH        | 40                          | 40                                  | 1385                           | 985                         | 71.12                         |
| 195 | DELTA       | ISOKO NORTH      | 40                          | 40                                  | 1162                           | 846                         | 72.81                         |
| 196 | DELTA       | ISOKO SOUTH      | 40                          | 40                                  | 1771                           | 1595                        | 90.06                         |
| 197 | DELTA       | NDOKWA EAST      | 40                          | 40                                  | 2036                           | 1914                        | 94.01                         |
| 198 | DELTA       | NDOKWA WEST      | 40                          | 40                                  | 1321                           | 1225                        | 92.73                         |
| 199 | DELTA       | OKPE             | 40                          | 40                                  | 1903                           | 1343                        | 70.57                         |
| 200 | DELTA       | OSHMILI NORTH    | 40                          | 40                                  | 1273                           | 783                         | 61.51                         |
| 201 | DELTA       | OSHMILI SOUTH    | 40                          | 39                                  | 1885                           | 862                         | 45.73                         |
| 202 | DELTA       | PATANI           | 40                          | 40                                  | 1734                           | 1626                        | 93.77                         |
| 203 | DELTA       | SAPELE           | 40                          | 39                                  | 993                            | 251                         | 25.28                         |
| 204 | DELTA       | UDU              | 40                          | 40                                  | 2229                           | 930                         | 41.72                         |
| 205 | DELTA       | UGHELLI NORTH    | 40                          | 40                                  | 1061                           | 619                         | 58.34                         |
| 206 | DELTA       | UGHELLI SOUTH    | 40                          | 40                                  | 1840                           | 1537                        | 83.53                         |
| 207 | DELTA       | UKWUANI          | 40                          | 40                                  | 1919                           | 1330                        | 69.31                         |
| 208 | DELTA       | UVWIE            | 40                          | 40                                  | 1078                           | 282                         | 26.16                         |
| 209 | DELTA       | WARRI NORTH      | 40                          | 40                                  | 1490                           | 1089                        | 73.09                         |
| 210 | DELTA       | WARRI SOUTH      | 40                          | 40                                  | 2355                           | 832                         | 35.33                         |
| 211 | DELTA       | WARRI SOUTH WEST | 40                          | 40                                  | 1111                           | 937                         | 84.34                         |
| 212 | EBONYI      | ABAKALIKI        | 40                          | 40                                  | 1104                           | 1049                        | 95.02                         |
| 213 | EBONYI      | AFIKPO NORTH     | 40                          | 40                                  | 2746                           | 2569                        | 93.55                         |
| 214 | EBONYI      | AFIKPO SOUTH     | 40                          | 40                                  | 1967                           | 1932                        | 98.22                         |
| 215 | EBONYI      | EBONYI           | 40                          | 40                                  | 1922                           | 1909                        | 99.32                         |
| 216 | EBONYI      | EZZA NORTH       | 40                          | 39                                  | 1861                           | 1819                        | 97.74                         |
| 217 | EBONYI      | EZZA SOUTH       | 40                          | 40                                  | 2571                           | 2513                        | 97.74                         |
| 218 | EBONYI      | IKWO             | 40                          | 40                                  | 1020                           | 997                         | 97.75                         |
| 219 | EBONYI      | ISHIELU          | 40                          | 40                                  | 1635                           | 1615                        | 98.78                         |
| 220 | EBONYI      | IVO              | 40                          | 40                                  | 1583                           | 1472                        | 92.99                         |
| 221 | EBONYI      | IZZII            | 40                          | 40                                  | 1900                           | 1894                        | 99.68                         |

| S/N | STATE  | LGA               | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|--------|-------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 222 | EBONYI | OHAOZARA          | 40                          | 40                                  | 1545                           | 1364                        | 88.28                         |
| 223 | EBONYI | OHauKWU           | 40                          | 38                                  | 1644                           | 1570                        | 95.50                         |
| 224 | EBONYI | ONICHA            | 40                          | 40                                  | 1368                           | 1358                        | 99.27                         |
| 225 | EDO    | AKOKO-EDO         | 40                          | 40                                  | 1791                           | 1339                        | 74.76                         |
| 226 | EDO    | EGOR              | 40                          | 40                                  | 1397                           | 590                         | 42.23                         |
| 227 | EDO    | ESAN CENTRAL      | 40                          | 40                                  | 2534                           | 2066                        | 81.53                         |
| 228 | EDO    | ESAN NORTH EAST   | 40                          | 40                                  | 1874                           | 1142                        | 60.94                         |
| 229 | EDO    | ESAN SOUTH EAST   | 40                          | 40                                  | 2892                           | 2731                        | 94.43                         |
| 230 | EDO    | ESAN WEST         | 40                          | 40                                  | 2342                           | 1589                        | 67.85                         |
| 231 | EDO    | ETSAKO CENTRAL    | 40                          | 40                                  | 2761                           | 2645                        | 95.80                         |
| 232 | EDO    | ETSAKO EAST       | 40                          | 40                                  | 2272                           | 2184                        | 96.13                         |
| 233 | EDO    | ETSAKO WEST       | 40                          | 40                                  | 1409                           | 1095                        | 77.71                         |
| 234 | EDO    | IGUEBEN           | 40                          | 40                                  | 1866                           | 1541                        | 82.58                         |
| 235 | EDO    | IKPOBA-OKHA       | 40                          | 39                                  | 1799                           | 749                         | 41.63                         |
| 236 | EDO    | OREDO             | 40                          | 40                                  | 1474                           | 396                         | 26.87                         |
| 237 | EDO    | ORHIONMWON        | 40                          | 40                                  | 2052                           | 1976                        | 96.30                         |
| 238 | EDO    | Ovia NORTH EAST   | 40                          | 40                                  | 2187                           | 1725                        | 78.88                         |
| 239 | EDO    | Ovia SOUTH WEST   | 40                          | 40                                  | 1893                           | 1682                        | 88.85                         |
| 240 | EDO    | OWAN EAST         | 40                          | 40                                  | 2533                           | 2381                        | 94.00                         |
| 241 | EDO    | OWAN WEST         | 40                          | 40                                  | 2218                           | 1896                        | 85.48                         |
| 242 | EDO    | UHUNMWONDE        | 40                          | 40                                  | 1689                           | 1233                        | 73.00                         |
| 243 | EKITI  | ADO EKITI         | 40                          | 39                                  | 740                            | 310                         | 41.89                         |
| 244 | EKITI  | EFON              | 40                          | 40                                  | 1328                           | 1059                        | 79.74                         |
| 245 | EKITI  | EKITI SOUTH WEST  | 40                          | 40                                  | 1350                           | 1214                        | 89.93                         |
| 246 | EKITI  | EKITI WEST        | 40                          | 40                                  | 2617                           | 2394                        | 91.48                         |
| 247 | EKITI  | EKITI-EAST        | 40                          | 40                                  | 1759                           | 1670                        | 94.94                         |
| 248 | EKITI  | EMURE             | 40                          | 40                                  | 1760                           | 1605                        | 91.19                         |
| 249 | EKITI  | GBONYIN           | 40                          | 40                                  | 2301                           | 2064                        | 89.70                         |
| 250 | EKITI  | IDO_OSI           | 40                          | 40                                  | 1118                           | 979                         | 87.57                         |
| 251 | EKITI  | IJERO             | 40                          | 40                                  | 1553                           | 1317                        | 84.80                         |
| 252 | EKITI  | IKERE             | 40                          | 40                                  | 1116                           | 1033                        | 92.56                         |
| 253 | EKITI  | IKOLE             | 40                          | 40                                  | 1272                           | 1178                        | 92.61                         |
| 254 | EKITI  | ILEJEMEJE         | 40                          | 40                                  | 4054                           | 3877                        | 95.63                         |
| 255 | EKITI  | IREPODUN/IFELODUN | 40                          | 40                                  | 1872                           | 1577                        | 84.24                         |
| 256 | EKITI  | ISE ORUN          | 40                          | 40                                  | 1785                           | 1701                        | 95.29                         |
| 257 | EKITI  | MOBA              | 40                          | 40                                  | 1714                           | 1563                        | 91.19                         |
| 258 | EKITI  | OYE               | 40                          | 40                                  | 1480                           | 1260                        | 85.14                         |
| 259 | ENUGU  | ANINRI            | 40                          | 40                                  | 2011                           | 1846                        | 91.80                         |
| 260 | ENUGU  | AWGU              | 40                          | 40                                  | 1639                           | 1631                        | 99.51                         |
| 261 | ENUGU  | ENUGU EAST        | 40                          | 40                                  | 1254                           | 585                         | 46.65                         |
| 262 | ENUGU  | ENUGU NORTH       | 40                          | 40                                  | 856                            | 214                         | 25.00                         |
| 263 | ENUGU  | ENUGU SOUTH       | 40                          | 40                                  | 2101                           | 545                         | 25.94                         |
| 264 | ENUGU  | EZEAGU            | 40                          | 40                                  | 1536                           | 1290                        | 83.98                         |
| 265 | ENUGU  | IGBO-ETITI        | 40                          | 40                                  | 1176                           | 1100                        | 93.54                         |

| S/N | STATE | LGA                             | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|-------|---------------------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 266 | ENUGU | IGBO-EZE NORTH                  | 40                          | 40                                  | 1028                           | 933                         | 90.76                         |
| 267 | ENUGU | IGBO-EZE SOUTH                  | 40                          | 40                                  | 986                            | 890                         | 90.26                         |
| 268 | ENUGU | ISI-UZO                         | 40                          | 40                                  | 959                            | 936                         | 97.60                         |
| 269 | ENUGU | NKANU EAST                      | 40                          | 40                                  | 1144                           | 1050                        | 91.78                         |
| 270 | ENUGU | NKANU WEST                      | 40                          | 40                                  | 1702                           | 1502                        | 88.25                         |
| 271 | ENUGU | NSUKKA                          | 40                          | 40                                  | 1085                           | 1023                        | 94.29                         |
| 272 | ENUGU | OJI-RIVER                       | 40                          | 40                                  | 1144                           | 1004                        | 87.76                         |
| 273 | ENUGU | UDENU                           | 40                          | 39                                  | 975                            | 824                         | 84.51                         |
| 274 | ENUGU | UDI                             | 40                          | 40                                  | 1549                           | 1234                        | 79.66                         |
| 275 | ENUGU | UZO UWANI                       | 40                          | 40                                  | 1034                           | 978                         | 94.58                         |
| 276 | FCT   | ABAJI                           | 40                          | 40                                  | 1894                           | 1820                        | 96.09                         |
| 277 | FCT   | ABUJA MUNICIPAL AREA<br>COUNCIL | 40                          | 36                                  | 1141                           | 476                         | 41.72                         |
| 278 | FCT   | BWARI                           | 40                          | 40                                  | 1139                           | 892                         | 78.31                         |
| 279 | FCT   | GWAGWALADA                      | 40                          | 40                                  | 1969                           | 1683                        | 85.47                         |
| 280 | FCT   | KUJE                            | 40                          | 40                                  | 2023                           | 1785                        | 88.24                         |
| 281 | FCT   | KWALI                           | 40                          | 40                                  | 2587                           | 2145                        | 82.91                         |
| 282 | GOMBE | AKKO                            | 40                          | 40                                  | 1720                           | 1553                        | 90.29                         |
| 283 | GOMBE | BALANGA                         | 40                          | 40                                  | 1952                           | 1938                        | 99.28                         |
| 284 | GOMBE | BILLIRI                         | 40                          | 40                                  | 1406                           | 1380                        | 98.15                         |
| 285 | GOMBE | DUKKU                           | 40                          | 40                                  | 1725                           | 1706                        | 98.90                         |
| 286 | GOMBE | FUNA KAYE                       | 40                          | 40                                  | 1721                           | 1573                        | 91.40                         |
| 287 | GOMBE | GOMBE                           | 40                          | 40                                  | 1316                           | 886                         | 67.33                         |
| 288 | GOMBE | KALTUNGO                        | 40                          | 40                                  | 1804                           | 1766                        | 97.89                         |
| 289 | GOMBE | KWAMI                           | 40                          | 40                                  | 1970                           | 1950                        | 98.98                         |
| 290 | GOMBE | NAFADA                          | 40                          | 40                                  | 1355                           | 1351                        | 99.70                         |
| 291 | GOMBE | SHONGOM                         | 40                          | 40                                  | 1078                           | 1066                        | 98.89                         |
| 292 | GOMBE | YAMALTU-DEBA                    | 40                          | 40                                  | 1711                           | 1684                        | 98.42                         |
| 293 | IMO   | ABOH-MBAISE                     | 40                          | 40                                  | 1416                           | 1388                        | 98.02                         |
| 294 | IMO   | AHIAZU-MBAISE                   | 40                          | 40                                  | 595                            | 508                         | 85.38                         |
| 295 | IMO   | EHIME-MBANO                     | 40                          | 40                                  | 852                            | 787                         | 92.37                         |
| 296 | IMO   | EZINIHITE                       | 40                          | 40                                  | 1245                           | 1167                        | 93.73                         |
| 297 | IMO   | IDEATO NORTH                    | 40                          | 40                                  | 423                            | 394                         | 93.14                         |
| 298 | IMO   | IDEATO SOUTH                    | 40                          | 40                                  | 2146                           | 2136                        | 99.53                         |
| 299 | IMO   | IHITE/UBOMA                     | 40                          | 40                                  | 1674                           | 1636                        | 97.73                         |
| 300 | IMO   | IKEDURU                         | 40                          | 40                                  | 974                            | 887                         | 91.07                         |
| 301 | IMO   | ISIALA MBANO                    | 40                          | 40                                  | 960                            | 868                         | 90.42                         |
| 302 | IMO   | ISU                             | 40                          | 40                                  | 1458                           | 1352                        | 92.73                         |
| 303 | IMO   | MBAITOLI                        | 40                          | 40                                  | 1432                           | 1358                        | 94.83                         |
| 304 | IMO   | NGOR-OKPALA                     | 40                          | 40                                  | 1220                           | 1186                        | 97.21                         |
| 305 | IMO   | NJABA                           | 40                          | 1                                   | 17                             | 16                          | 94.12                         |
| 306 | IMO   | NKWERRE                         | 40                          | 40                                  | 735                            | 669                         | 91.02                         |
| 307 | IMO   | NWANGELE                        | 40                          | 40                                  | 1029                           | 978                         | 95.04                         |
| 308 | IMO   | OBOWO                           | 40                          | 40                                  | 1473                           | 1380                        | 93.69                         |
| 309 | IMO   | OGUTA                           | 40                          | 40                                  | 985                            | 936                         | 95.03                         |

| S/N | STATE  | LGA              | Expected Number of EA | Total Number of EA Covered | Total Households Covered | Total Farming Households | % of Farming Households |
|-----|--------|------------------|-----------------------|----------------------------|--------------------------|--------------------------|-------------------------|
| 310 | IMO    | OHAJI/EGBEMA     | 40                    | 40                         | 1608                     | 1289                     | 80.16                   |
| 311 | IMO    | OKIGWE           | 40                    | 40                         | 849                      | 704                      | 82.92                   |
| 312 | IMO    | ORLU             | 40                    | 2                          | 41                       | 40                       | 97.56                   |
| 313 | IMO    | ORSU             | 40                    | 0                          | 0                        | 0                        | 0                       |
| 314 | IMO    | ORU EAST         | 40                    | 2                          | 63                       | 55                       | 87.30                   |
| 315 | IMO    | ORU WEST         | 40                    | 40                         | 701                      | 578                      | 82.45                   |
| 316 | IMO    | OWERRI-MUNICIPAL | 40                    | 39                         | 797                      | 304                      | 38.14                   |
| 317 | IMO    | OWERRI-NORTH     | 40                    | 40                         | 1172                     | 730                      | 62.29                   |
| 318 | IMO    | OWERRI-WEST      | 40                    | 40                         | 808                      | 454                      | 56.19                   |
| 319 | IMO    | UNUIMO           | 40                    | 40                         | 842                      | 825                      | 97.98                   |
| 320 | IMO    | AUYO             | 40                    | 40                         | 1804                     | 1792                     | 99.33                   |
| 321 | JIGAWA | BABURA           | 40                    | 40                         | 1267                     | 1238                     | 97.71                   |
| 322 | JIGAWA | BIRNIN KUDU      | 40                    | 40                         | 1262                     | 1208                     | 95.72                   |
| 323 | JIGAWA | BIRNIWA          | 40                    | 40                         | 1155                     | 1131                     | 97.92                   |
| 324 | JIGAWA | BUJI             | 40                    | 40                         | 1458                     | 1438                     | 98.63                   |
| 325 | JIGAWA | DUTSE            | 40                    | 39                         | 1250                     | 1230                     | 98.40                   |
| 326 | JIGAWA | GAGARAWA         | 40                    | 40                         | 2311                     | 2293                     | 99.22                   |
| 327 | JIGAWA | GARKI            | 40                    | 40                         | 1113                     | 1108                     | 99.55                   |
| 328 | JIGAWA | GUMEL            | 40                    | 40                         | 1362                     | 1336                     | 98.09                   |
| 329 | JIGAWA | GURI             | 40                    | 40                         | 1820                     | 1813                     | 99.62                   |
| 330 | JIGAWA | GWARAM           | 40                    | 40                         | 1396                     | 1392                     | 99.71                   |
| 331 | JIGAWA | GWIIWA           | 40                    | 40                         | 1898                     | 1873                     | 98.68                   |
| 332 | JIGAWA | HADEJIA          | 40                    | 40                         | 1510                     | 1417                     | 93.84                   |
| 333 | JIGAWA | JAHUN            | 40                    | 40                         | 1955                     | 1929                     | 98.67                   |
| 334 | JIGAWA | KAFIN-HAUSA      | 40                    | 40                         | 1786                     | 1767                     | 98.94                   |
| 335 | JIGAWA | KAUGAMA          | 40                    | 40                         | 1519                     | 1513                     | 99.61                   |
| 336 | JIGAWA | KAZAURE          | 40                    | 40                         | 2168                     | 2105                     | 97.09                   |
| 337 | JIGAWA | KIRIKASAMMA      | 40                    | 40                         | 1457                     | 1448                     | 99.38                   |
| 338 | JIGAWA | KIYAWA           | 40                    | 40                         | 1632                     | 1588                     | 97.30                   |
| 339 | JIGAWA | MAIGATARI        | 40                    | 40                         | 1168                     | 1111                     | 95.12                   |
| 340 | JIGAWA | MALAM MADORI     | 40                    | 40                         | 1076                     | 1062                     | 98.70                   |
| 341 | JIGAWA | MIGA             | 40                    | 40                         | 1788                     | 1773                     | 99.16                   |
| 342 | JIGAWA | RINGIM           | 40                    | 40                         | 1363                     | 1333                     | 97.80                   |
| 343 | JIGAWA | RONI             | 40                    | 40                         | 1486                     | 1478                     | 99.46                   |
| 344 | JIGAWA | SULE TANKARKAR   | 40                    | 40                         | 1534                     | 1528                     | 99.61                   |
| 345 | JIGAWA | TAURA            | 40                    | 40                         | 1450                     | 1431                     | 98.69                   |
| 346 | JIGAWA | YANKWASHI        | 40                    | 40                         | 2008                     | 1969                     | 98.06                   |
| 347 | JIGAWA | BIRNIN GWARI     | 40                    | 40                         | 1815                     | 1794                     | 98.84                   |
| 348 | KADUNA | CHIKUN           | 40                    | 40                         | 1271                     | 1034                     | 81.35                   |
| 349 | KADUNA | GIWA             | 40                    | 40                         | 1147                     | 1109                     | 96.69                   |
| 350 | KADUNA | IGABI            | 40                    | 40                         | 1444                     | 1229                     | 85.11                   |
| 351 | KADUNA | IKARA            | 40                    | 40                         | 1472                     | 1456                     | 98.91                   |
| 352 | KADUNA | JABA             | 40                    | 40                         | 1176                     | 1150                     | 97.79                   |
| 353 | KADUNA | JEMAA            | 40                    | 40                         | 1648                     | 1603                     | 97.27                   |

| S/N | STATE  | LGA            | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|--------|----------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 354 | KADUNA | KACHIA         | 40                          | 40                                  | 1850                           | 1836                        | 99.24                         |
| 355 | KADUNA | KADUNA NORTH   | 40                          | 40                                  | 1489                           | 926                         | 62.19                         |
| 356 | KADUNA | KADUNA SOUTH   | 40                          | 40                                  | 1832                           | 986                         | 53.82                         |
| 357 | KADUNA | KAGARKO        | 40                          | 40                                  | 1682                           | 1610                        | 95.72                         |
| 358 | KADUNA | KAJURU         | 40                          | 40                                  | 1177                           | 1171                        | 99.49                         |
| 359 | KADUNA | KAURA          | 40                          | 40                                  | 1789                           | 1703                        | 95.19                         |
| 360 | KADUNA | KAURU          | 40                          | 40                                  | 1421                           | 1419                        | 99.86                         |
| 361 | KADUNA | KUBAU          | 40                          | 40                                  | 2393                           | 2379                        | 99.41                         |
| 362 | KADUNA | KUDAN          | 40                          | 40                                  | 1097                           | 1090                        | 99.36                         |
| 363 | KADUNA | LERE           | 40                          | 40                                  | 1359                           | 1319                        | 97.06                         |
| 364 | KADUNA | MAKARFI        | 40                          | 40                                  | 1312                           | 1293                        | 98.55                         |
| 365 | KADUNA | SABON GARI     | 40                          | 40                                  | 1460                           | 1204                        | 82.47                         |
| 366 | KADUNA | SANGA          | 40                          | 40                                  | 1319                           | 1285                        | 97.42                         |
| 367 | KADUNA | SOBA           | 40                          | 40                                  | 1556                           | 1545                        | 99.29                         |
| 368 | KADUNA | ZANGON KATAF   | 40                          | 40                                  | 876                            | 871                         | 99.43                         |
| 369 | KADUNA | ZARIA          | 40                          | 39                                  | 1365                           | 1133                        | 83.00                         |
| 370 | KADUNA | AJINGI         | 40                          | 40                                  | 1661                           | 1633                        | 98.31                         |
| 371 | KANO   | ALBASU         | 40                          | 40                                  | 1611                           | 1585                        | 98.39                         |
| 372 | KANO   | BAGWAI         | 40                          | 40                                  | 2340                           | 2336                        | 99.83                         |
| 373 | KANO   | BEBEJI         | 40                          | 40                                  | 1780                           | 1737                        | 97.58                         |
| 374 | KANO   | BICHI          | 40                          | 40                                  | 1033                           | 1030                        | 99.71                         |
| 375 | KANO   | BUNKURE        | 40                          | 40                                  | 1613                           | 1605                        | 99.50                         |
| 376 | KANO   | DALA           | 40                          | 40                                  | 1064                           | 601                         | 56.48                         |
| 377 | KANO   | DAMBATTA       | 40                          | 40                                  | 1641                           | 1525                        | 92.93                         |
| 378 | KANO   | DAWAKIN KUDU   | 40                          | 40                                  | 1186                           | 1141                        | 96.21                         |
| 379 | KANO   | DAWAKIN TOFA   | 40                          | 40                                  | 1641                           | 1574                        | 95.92                         |
| 380 | KANO   | DOGUWA         | 40                          | 40                                  | 1461                           | 1382                        | 94.59                         |
| 381 | KANO   | FAGGE          | 40                          | 40                                  | 1409                           | 406                         | 28.81                         |
| 382 | KANO   | GABASAWA       | 40                          | 40                                  | 1259                           | 1233                        | 97.93                         |
| 383 | KANO   | GARKO          | 40                          | 40                                  | 1668                           | 1656                        | 99.28                         |
| 384 | KANO   | GARUN MALAM    | 40                          | 40                                  | 1820                           | 1791                        | 98.41                         |
| 385 | KANO   | GAYA           | 40                          | 40                                  | 752                            | 743                         | 98.80                         |
| 386 | KANO   | GEZAWA         | 40                          | 40                                  | 1076                           | 999                         | 92.84                         |
| 387 | KANO   | GWALE          | 40                          | 40                                  | 1188                           | 714                         | 60.10                         |
| 388 | KANO   | GWARZO         | 40                          | 40                                  | 1349                           | 1316                        | 97.55                         |
| 389 | KANO   | KABO           | 40                          | 40                                  | 1729                           | 1702                        | 98.44                         |
| 390 | KANO   | KANO MUNICIPAL | 40                          | 40                                  | 1315                           | 557                         | 42.36                         |
| 391 | KANO   | KARAYE         | 40                          | 40                                  | 961                            | 942                         | 98.02                         |
| 392 | KANO   | KIBIYA         | 40                          | 40                                  | 1072                           | 1062                        | 99.07                         |
| 393 | KANO   | KIRU           | 40                          | 40                                  | 1315                           | 1269                        | 96.50                         |
| 394 | KANO   | KUMBOTSO       | 40                          | 40                                  | 986                            | 709                         | 71.91                         |
| 395 | KANO   | KUNCHI         | 40                          | 40                                  | 1813                           | 1806                        | 99.61                         |
| 396 | KANO   | KURA           | 40                          | 40                                  | 2161                           | 2145                        | 99.26                         |
| 397 | KANO   | MADOBI         | 40                          | 40                                  | 2060                           | 2039                        | 98.98                         |

| S/N | STATE   | LGA        | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|---------|------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 398 | KANO    | MAKODA     | 40                          | 40                                  | 1840                           | 1761                        | 95.71                         |
| 399 | KANO    | MINJIBIR   | 40                          | 40                                  | 1654                           | 1581                        | 95.59                         |
| 400 | KANO    | NASARAWA   | 40                          | 40                                  | 889                            | 529                         | 59.51                         |
| 401 | KANO    | RANO       | 40                          | 40                                  | 1149                           | 1111                        | 96.69                         |
| 402 | KANO    | RIMIN GADO | 40                          | 40                                  | 1682                           | 1631                        | 96.97                         |
| 403 | KANO    | ROGO       | 40                          | 40                                  | 1615                           | 1607                        | 99.50                         |
| 404 | KANO    | SHANONO    | 40                          | 40                                  | 1295                           | 1290                        | 99.61                         |
| 405 | KANO    | SUMAILA    | 40                          | 40                                  | 1698                           | 1639                        | 96.53                         |
| 406 | KANO    | TAKAI      | 40                          | 40                                  | 1195                           | 1191                        | 99.67                         |
| 407 | KANO    | TARAUNI    | 40                          | 40                                  | 1248                           | 632                         | 50.64                         |
| 408 | KANO    | TOFA       | 40                          | 40                                  | 1266                           | 1244                        | 98.26                         |
| 409 | KANO    | TSANYAWA   | 40                          | 40                                  | 2370                           | 2348                        | 99.07                         |
| 410 | KANO    | TUDUN WADA | 40                          | 40                                  | 1572                           | 1541                        | 98.03                         |
| 411 | KANO    | UNGOGO     | 40                          | 40                                  | 1464                           | 1143                        | 78.07                         |
| 412 | KANO    | WARAWA     | 40                          | 40                                  | 1378                           | 1364                        | 98.98                         |
| 413 | KANO    | WUDIL      | 40                          | 40                                  | 1934                           | 1797                        | 92.92                         |
| 414 | KANO    | BAKORI     | 40                          | 40                                  | 944                            | 916                         | 97.03                         |
| 415 | KATSINA | BATAGARAWA | 40                          | 39                                  | 1515                           | 1353                        | 89.31                         |
| 416 | KATSINA | BATSARI    | 40                          | 40                                  | 1360                           | 1265                        | 93.01                         |
| 417 | KATSINA | BAURE      | 40                          | 40                                  | 1551                           | 1526                        | 98.39                         |
| 418 | KATSINA | BINDAWA    | 40                          | 40                                  | 1129                           | 1123                        | 99.47                         |
| 419 | KATSINA | CHARANCHI  | 40                          | 40                                  | 1037                           | 979                         | 94.41                         |
| 420 | KATSINA | DAN MUSA   | 40                          | 40                                  | 1133                           | 1100                        | 97.09                         |
| 421 | KATSINA | DANDUME    | 40                          | 39                                  | 1091                           | 1084                        | 99.36                         |
| 422 | KATSINA | DANJA      | 40                          | 40                                  | 1234                           | 1223                        | 99.11                         |
| 423 | KATSINA | DAURA      | 40                          | 39                                  | 1513                           | 1295                        | 85.59                         |
| 424 | KATSINA | DUTSI      | 40                          | 40                                  | 1257                           | 1241                        | 98.73                         |
| 425 | KATSINA | DUTSIN MA  | 40                          | 37                                  | 892                            | 829                         | 92.94                         |
| 426 | KATSINA | FASKARI    | 40                          | 38                                  | 685                            | 681                         | 99.42                         |
| 427 | KATSINA | FUNTUA     | 40                          | 40                                  | 861                            | 707                         | 82.11                         |
| 428 | KATSINA | INGAWA     | 40                          | 40                                  | 1779                           | 1733                        | 97.41                         |
| 429 | KATSINA | JIBIA      | 40                          | 39                                  | 620                            | 474                         | 76.45                         |
| 430 | KATSINA | KAFUR      | 40                          | 40                                  | 1815                           | 1769                        | 97.47                         |
| 431 | KATSINA | KAITA      | 40                          | 40                                  | 1673                           | 1617                        | 96.65                         |
| 432 | KATSINA | KANKARA    | 40                          | 40                                  | 796                            | 753                         | 94.60                         |
| 433 | KATSINA | KANKIA     | 40                          | 40                                  | 1598                           | 1517                        | 94.93                         |
| 434 | KATSINA | KATSINA    | 40                          | 40                                  | 997                            | 704                         | 70.61                         |
| 435 | KATSINA | KURFI      | 40                          | 40                                  | 1066                           | 984                         | 92.31                         |
| 436 | KATSINA | KUSADA     | 40                          | 40                                  | 1880                           | 1846                        | 98.19                         |
| 437 | KATSINA | MAI'ADUA   | 40                          | 40                                  | 1427                           | 1360                        | 95.30                         |
| 438 | KATSINA | MALUMFASHI | 40                          | 40                                  | 1279                           | 1249                        | 97.65                         |
| 439 | KATSINA | MANI       | 40                          | 40                                  | 1381                           | 1372                        | 99.35                         |
| 440 | KATSINA | MASHI      | 40                          | 40                                  | 1497                           | 1379                        | 92.12                         |
| 441 | KATSINA | MATAZU     | 40                          | 40                                  | 1409                           | 1391                        | 98.72                         |

| S/N | STATE   | LGA              | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|---------|------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 442 | KATSINA | MUSAWA           | 40                          | 40                                  | 1547                           | 1506                        | 97.35                         |
| 443 | KATSINA | RIMI             | 40                          | 40                                  | 1405                           | 1323                        | 94.16                         |
| 444 | KATSINA | SABUWA           | 40                          | 40                                  | 1164                           | 1141                        | 98.02                         |
| 445 | KATSINA | SAFANA           | 40                          | 40                                  | 1290                           | 1261                        | 97.75                         |
| 446 | KATSINA | SANDAMU          | 40                          | 40                                  | 1580                           | 1517                        | 96.01                         |
| 447 | KATSINA | ZANGO            | 40                          | 40                                  | 1377                           | 1371                        | 99.56                         |
| 448 | KATSINA | ALIERO           | 40                          | 40                                  | 2543                           | 2461                        | 96.78                         |
| 449 | KEBBI   | AREWA-DANDI      | 40                          | 40                                  | 1365                           | 1364                        | 99.93                         |
| 450 | KEBBI   | ARGUNGU          | 40                          | 40                                  | 1187                           | 1162                        | 97.89                         |
| 451 | KEBBI   | AUGIE            | 40                          | 40                                  | 1401                           | 1392                        | 99.36                         |
| 452 | KEBBI   | BAGUDO           | 40                          | 39                                  | 1296                           | 1295                        | 99.92                         |
| 453 | KEBBI   | BIRNIN KEBBI     | 40                          | 37                                  | 1200                           | 1056                        | 88.00                         |
| 454 | KEBBI   | BUNZA            | 40                          | 39                                  | 1211                           | 1181                        | 97.52                         |
| 455 | KEBBI   | DANDI            | 40                          | 40                                  | 1480                           | 1389                        | 93.85                         |
| 456 | KEBBI   | FAKAI            | 40                          | 40                                  | 1005                           | 998                         | 99.30                         |
| 457 | KEBBI   | GWANDU           | 40                          | 40                                  | 1337                           | 1328                        | 99.33                         |
| 458 | KEBBI   | JEGA             | 40                          | 40                                  | 1928                           | 1698                        | 88.07                         |
| 459 | KEBBI   | KALGO            | 40                          | 40                                  | 1807                           | 1722                        | 95.30                         |
| 460 | KEBBI   | KOKO/BESSE       | 40                          | 40                                  | 1520                           | 1513                        | 99.54                         |
| 461 | KEBBI   | MAIYAMA          | 40                          | 40                                  | 2054                           | 2039                        | 99.27                         |
| 462 | KEBBI   | NGASKI           | 40                          | 40                                  | 912                            | 901                         | 98.79                         |
| 463 | KEBBI   | SAKABA           | 40                          | 39                                  | 1593                           | 1567                        | 98.37                         |
| 464 | KEBBI   | SHANGA           | 40                          | 39                                  | 1026                           | 1010                        | 98.44                         |
| 465 | KEBBI   | SURU             | 40                          | 39                                  | 1639                           | 1559                        | 95.12                         |
| 466 | KEBBI   | WASAGU/DANKO     | 40                          | 36                                  | 1354                           | 1330                        | 98.23                         |
| 467 | KEBBI   | YAUURI           | 40                          | 40                                  | 1563                           | 1504                        | 96.23                         |
| 468 | KEBBI   | ZURU             | 40                          | 40                                  | 849                            | 809                         | 95.29                         |
| 469 | KEBBI   | ADAVI            | 40                          | 40                                  | 1834                           | 1489                        | 81.19                         |
| 470 | KOGI    | AJAOKUTA         | 40                          | 40                                  | 1603                           | 1455                        | 90.77                         |
| 471 | KOGI    | ANKPA            | 40                          | 40                                  | 1122                           | 1026                        | 91.44                         |
| 472 | KOGI    | BASSA            | 40                          | 40                                  | 1031                           | 1010                        | 97.96                         |
| 473 | KOGI    | DEKINA           | 40                          | 40                                  | 1493                           | 1390                        | 93.10                         |
| 474 | KOGI    | IBAJI            | 40                          | 40                                  | 1716                           | 1714                        | 99.88                         |
| 475 | KOGI    | IDAH             | 40                          | 40                                  | 1637                           | 1480                        | 90.41                         |
| 476 | KOGI    | IGALAMELA-ODOLU  | 40                          | 40                                  | 1569                           | 1546                        | 98.53                         |
| 477 | KOGI    | IJUMU            | 40                          | 40                                  | 1969                           | 1778                        | 90.30                         |
| 478 | KOGI    | KABBA_BUNU       | 40                          | 40                                  | 1974                           | 1715                        | 86.88                         |
| 479 | KOGI    | KOGI KOTON KERFE | 40                          | 40                                  | 1437                           | 1413                        | 98.33                         |
| 480 | KOGI    | LOKOJA           | 40                          | 40                                  | 866                            | 724                         | 83.60                         |
| 481 | KOGI    | MOPA-MURO        | 40                          | 40                                  | 1891                           | 1741                        | 92.07                         |
| 482 | KOGI    | OFU              | 40                          | 39                                  | 952                            | 897                         | 94.22                         |
| 483 | KOGI    | OGORI MAGONGO    | 40                          | 40                                  | 1256                           | 1100                        | 87.58                         |
| 484 | KOGI    | OKEHI            | 40                          | 40                                  | 1690                           | 1523                        | 90.12                         |
| 485 | KOGI    | OKENE            | 40                          | 40                                  | 2338                           | 1728                        | 73.91                         |

| S/N | STATE    | LGA              | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|----------|------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 486 | KOGI     | OLAMABORO        | 40                          | 40                                  | 1423                           | 1390                        | 97.68                         |
| 487 | KOGI     | OMALA            | 40                          | 39                                  | 1585                           | 1486                        | 93.75                         |
| 488 | KOGI     | YAGBA EAST       | 40                          | 40                                  | 1188                           | 1095                        | 92.17                         |
| 489 | KOGI     | YAGBA WEST       | 40                          | 40                                  | 1940                           | 1462                        | 75.36                         |
| 490 | KOGI     | ASA              | 40                          | 40                                  | 1343                           | 1178                        | 87.71                         |
| 491 | KWARA    | BARUTEN          | 40                          | 40                                  | 729                            | 712                         | 97.67                         |
| 492 | KWARA    | EDU              | 40                          | 40                                  | 2219                           | 1939                        | 87.38                         |
| 493 | KWARA    | EKITI            | 40                          | 40                                  | 1719                           | 1576                        | 91.68                         |
| 494 | KWARA    | IFELODUN         | 40                          | 40                                  | 1573                           | 1511                        | 96.06                         |
| 495 | KWARA    | ILORIN EAST      | 40                          | 40                                  | 1380                           | 1024                        | 74.20                         |
| 496 | KWARA    | ILORIN SOUTH     | 40                          | 40                                  | 1662                           | 764                         | 45.97                         |
| 497 | KWARA    | ILORIN WEST      | 40                          | 40                                  | 1091                           | 772                         | 70.76                         |
| 498 | KWARA    | IREPODUN         | 40                          | 40                                  | 1662                           | 1330                        | 80.02                         |
| 499 | KWARA    | ISIN             | 40                          | 40                                  | 1660                           | 1572                        | 94.70                         |
| 500 | KWARA    | KAIAAMA          | 40                          | 40                                  | 1698                           | 1584                        | 93.29                         |
| 501 | KWARA    | MORO             | 40                          | 40                                  | 2560                           | 2481                        | 96.91                         |
| 502 | KWARA    | OFFA             | 40                          | 40                                  | 927                            | 535                         | 57.71                         |
| 503 | KWARA    | OKE-ERO          | 40                          | 40                                  | 1500                           | 1313                        | 87.53                         |
| 504 | KWARA    | OYUN             | 40                          | 40                                  | 1509                           | 1261                        | 83.57                         |
| 505 | KWARA    | PATIGI           | 40                          | 40                                  | 2252                           | 2205                        | 97.91                         |
| 506 | KWARA    | AGEGE            | 40                          | 39                                  | 1729                           | 90                          | 5.21                          |
| 507 | LAGOS    | AJEROMI-IFELODUN | 40                          | 40                                  | 1306                           | 8                           | 0.61                          |
| 508 | LAGOS    | ALIMOSHO         | 40                          | 37                                  | 779                            | 86                          | 11.04                         |
| 509 | LAGOS    | AMUWO ODOFIN     | 40                          | 38                                  | 860                            | 138                         | 16.05                         |
| 510 | LAGOS    | APAPA            | 40                          | 40                                  | 2500                           | 188                         | 7.52                          |
| 511 | LAGOS    | BADAGRY          | 40                          | 39                                  | 1218                           | 625                         | 51.31                         |
| 512 | LAGOS    | EPE              | 40                          | 40                                  | 764                            | 327                         | 42.80                         |
| 513 | LAGOS    | ETI-OSA          | 40                          | 37                                  | 302                            | 57                          | 18.87                         |
| 514 | LAGOS    | IBEJU-LEKKI      | 40                          | 40                                  | 1169                           | 970                         | 82.98                         |
| 515 | LAGOS    | IFAKO-IJAIYE     | 40                          | 40                                  | 2542                           | 176                         | 6.92                          |
| 516 | LAGOS    | IKEJA            | 40                          | 39                                  | 2540                           | 810                         | 31.89                         |
| 517 | LAGOS    | IKORODU          | 40                          | 40                                  | 681                            | 187                         | 27.46                         |
| 518 | LAGOS    | KOSOFE           | 40                          | 40                                  | 899                            | 55                          | 6.12                          |
| 519 | LAGOS    | LAGOS ISLAND     | 40                          | 38                                  | 1790                           | 17                          | 0.95                          |
| 520 | LAGOS    | LAGOS MAIN LAND  | 40                          | 36                                  | 1312                           | 586                         | 44.66                         |
| 521 | LAGOS    | MUSHIN           | 40                          | 39                                  | 727                            | 134                         | 18.43                         |
| 522 | LAGOS    | OJO              | 40                          | 34                                  | 584                            | 96                          | 16.44                         |
| 523 | LAGOS    | OSHODI ISOLO     | 40                          | 39                                  | 634                            | 72                          | 11.36                         |
| 524 | LAGOS    | SOMOLU           | 40                          | 40                                  | 2579                           | 27                          | 1.05                          |
| 525 | LAGOS    | SURULERE         | 40                          | 40                                  | 1327                           | 10                          | 0.75                          |
| 526 | LAGOS    | AKWANGA          | 40                          | 40                                  | 2269                           | 1895                        | 83.52                         |
| 527 | NASARAWA | AWE              | 40                          | 40                                  | 1627                           | 1620                        | 99.57                         |
| 528 | NASARAWA | DOMA             | 40                          | 40                                  | 1851                           | 1792                        | 96.81                         |
| 529 | NASARAWA | KARU             | 40                          | 40                                  | 1345                           | 942                         | 70.04                         |

| S/N | STATE    | LGA              | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|----------|------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 530 | NASARAWA | KEANA            | 40                          | 40                                  | 2470                           | 2402                        | 97.25                         |
| 531 | NASARAWA | KEFFI            | 40                          | 40                                  | 2521                           | 2009                        | 79.69                         |
| 532 | NASARAWA | KOKONA           | 40                          | 40                                  | 2103                           | 2018                        | 95.96                         |
| 533 | NASARAWA | LAFIA            | 40                          | 40                                  | 2185                           | 1522                        | 69.66                         |
| 534 | NASARAWA | NASARAWA         | 40                          | 40                                  | 1470                           | 1324                        | 90.07                         |
| 535 | NASARAWA | NASSARAWA EGGON  | 40                          | 40                                  | 2539                           | 2391                        | 94.17                         |
| 536 | NASARAWA | OBI              | 40                          | 40                                  | 1998                           | 1996                        | 99.90                         |
| 537 | NASARAWA | TOTO             | 40                          | 40                                  | 2048                           | 1949                        | 95.17                         |
| 538 | NASARAWA | WAMBA            | 40                          | 40                                  | 2748                           | 2440                        | 88.79                         |
| 539 | NASARAWA | AGAIE            | 40                          | 40                                  | 2283                           | 2263                        | 99.12                         |
| 540 | NIGER    | AGWARA           | 40                          | 40                                  | 1276                           | 1272                        | 99.69                         |
| 541 | NIGER    | BIDA             | 40                          | 40                                  | 894                            | 754                         | 84.34                         |
| 542 | NIGER    | BORGU            | 40                          | 40                                  | 1046                           | 1026                        | 98.09                         |
| 543 | NIGER    | BOSSO            | 40                          | 40                                  | 751                            | 630                         | 83.89                         |
| 544 | NIGER    | CHANCHAGA        | 40                          | 40                                  | 1951                           | 896                         | 45.93                         |
| 545 | NIGER    | EDATTI           | 40                          | 40                                  | 2198                           | 2146                        | 97.63                         |
| 546 | NIGER    | GBAKO            | 40                          | 40                                  | 2071                           | 2057                        | 99.32                         |
| 547 | NIGER    | GURARA           | 40                          | 39                                  | 1614                           | 1507                        | 93.37                         |
| 548 | NIGER    | KATCHA           | 40                          | 40                                  | 1673                           | 1633                        | 97.61                         |
| 549 | NIGER    | KONTAGORA        | 40                          | 40                                  | 1906                           | 1808                        | 94.86                         |
| 550 | NIGER    | LAPAI            | 40                          | 40                                  | 1981                           | 1895                        | 95.66                         |
| 551 | NIGER    | LAVUN            | 40                          | 39                                  | 1187                           | 1149                        | 96.80                         |
| 552 | NIGER    | MAGAMA           | 40                          | 39                                  | 1053                           | 1040                        | 98.77                         |
| 553 | NIGER    | MARIGA           | 40                          | 40                                  | 1591                           | 1578                        | 99.18                         |
| 554 | NIGER    | MASHEGU          | 40                          | 40                                  | 1410                           | 1385                        | 98.23                         |
| 555 | NIGER    | MOKWA            | 40                          | 40                                  | 1576                           | 1541                        | 97.78                         |
| 556 | NIGER    | MUNYA            | 40                          | 40                                  | 1277                           | 1262                        | 98.83                         |
| 557 | NIGER    | PAIKORO          | 40                          | 40                                  | 1539                           | 1476                        | 95.91                         |
| 558 | NIGER    | RAFI             | 40                          | 40                                  | 941                            | 889                         | 94.47                         |
| 559 | NIGER    | RIJAU            | 40                          | 40                                  | 724                            | 707                         | 97.65                         |
| 560 | NIGER    | SHIRORO          | 40                          | 40                                  | 1739                           | 1642                        | 94.42                         |
| 561 | NIGER    | SULEJA           | 40                          | 40                                  | 1884                           | 980                         | 52.02                         |
| 562 | NIGER    | TAFA             | 40                          | 40                                  | 2131                           | 1794                        | 84.19                         |
| 563 | NIGER    | WUSHISHI         | 40                          | 40                                  | 1457                           | 1442                        | 98.97                         |
| 564 | NIGER    | ABEOKUTA SOUTH   | 40                          | 40                                  | 1969                           | 406                         | 20.62                         |
| 565 | OGUN     | ABEOKUTA NORTH   | 40                          | 40                                  | 1645                           | 746                         | 45.35                         |
| 566 | OGUN     | ADO-ODO_OTA      | 40                          | 40                                  | 1305                           | 563                         | 43.14                         |
| 567 | OGUN     | EGBADO NORTH     | 40                          | 40                                  | 2249                           | 1996                        | 88.75                         |
| 568 | OGUN     | EGBADO SOUTH     | 40                          | 40                                  | 1830                           | 1101                        | 60.16                         |
| 569 | OGUN     | EWEKORO          | 40                          | 40                                  | 1939                           | 1238                        | 63.85                         |
| 570 | OGUN     | IFO              | 40                          | 40                                  | 1293                           | 395                         | 30.55                         |
| 571 | OGUN     | IJEBU EAST       | 40                          | 40                                  | 1869                           | 1522                        | 81.43                         |
| 572 | OGUN     | IJEBU NORTH      | 40                          | 40                                  | 1835                           | 1415                        | 77.11                         |
| 573 | OGUN     | IJEBU NORTH EAST | 40                          | 40                                  | 1441                           | 933                         | 64.75                         |

| S/N | STATE | LGA               | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|-------|-------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 574 | OGUN  | IJEBU ODE         | 40                          | 40                                  | 2102                           | 845                         | 40.20                         |
| 575 | OGUN  | IKENNE            | 40                          | 40                                  | 3035                           | 731                         | 24.09                         |
| 576 | OGUN  | IMEKO_AFON        | 40                          | 40                                  | 2209                           | 1884                        | 85.29                         |
| 577 | OGUN  | IPOKIA            | 40                          | 40                                  | 1487                           | 1256                        | 84.47                         |
| 578 | OGUN  | OBAFEMI OWODE     | 40                          | 40                                  | 1309                           | 667                         | 50.95                         |
| 579 | OGUN  | ODEDA             | 40                          | 40                                  | 1968                           | 1537                        | 78.10                         |
| 580 | OGUN  | ODOGBOLU          | 40                          | 40                                  | 2592                           | 1430                        | 55.17                         |
| 581 | OGUN  | OGUN WATERSIDE    | 40                          | 40                                  | 3203                           | 3063                        | 95.63                         |
| 582 | OGUN  | REMO NORTH        | 40                          | 40                                  | 2982                           | 1758                        | 58.95                         |
| 583 | OGUN  | SAGAMU            | 40                          | 40                                  | 1221                           | 696                         | 57.00                         |
| 584 | OGUN  | AKOKO NORTH EAST  | 40                          | 40                                  | 2794                           | 1874                        | 67.07                         |
| 585 | ONDO  | AKOKO NORTH WEST  | 40                          | 40                                  | 3279                           | 3044                        | 92.83                         |
| 586 | ONDO  | AKOKO SOUTH EAST  | 40                          | 40                                  | 2424                           | 2374                        | 97.94                         |
| 587 | ONDO  | AKOKO SOUTH WEST  | 40                          | 40                                  | 1923                           | 1885                        | 98.02                         |
| 588 | ONDO  | AKURE NORTH       | 40                          | 40                                  | 1786                           | 1442                        | 80.74                         |
| 589 | ONDO  | AKURE SOUTH       | 40                          | 40                                  | 1206                           | 737                         | 61.11                         |
| 590 | ONDO  | ESE-ODO           | 40                          | 40                                  | 2255                           | 2104                        | 93.30                         |
| 591 | ONDO  | IDANRE            | 40                          | 40                                  | 2337                           | 1594                        | 68.21                         |
| 592 | ONDO  | IFEDORE           | 40                          | 40                                  | 1919                           | 1697                        | 88.43                         |
| 593 | ONDO  | ILAJE             | 40                          | 40                                  | 1133                           | 781                         | 68.93                         |
| 594 | ONDO  | ILE OLUJI/OKEIGBO | 40                          | 40                                  | 1658                           | 1509                        | 91.01                         |
| 595 | ONDO  | IRELE             | 40                          | 40                                  | 1724                           | 1624                        | 94.20                         |
| 596 | ONDO  | ODIGBO            | 40                          | 40                                  | 1596                           | 1272                        | 79.70                         |
| 597 | ONDO  | OKITIPUPA         | 40                          | 40                                  | 1715                           | 1566                        | 91.31                         |
| 598 | ONDO  | ONDO EAST         | 40                          | 40                                  | 2654                           | 2018                        | 76.04                         |
| 599 | ONDO  | ONDO WEST         | 40                          | 40                                  | 1423                           | 1107                        | 77.79                         |
| 600 | ONDO  | OSE               | 40                          | 40                                  | 2300                           | 2059                        | 89.52                         |
| 601 | ONDO  | OWO               | 40                          | 40                                  | 2388                           | 2067                        | 86.56                         |
| 602 | ONDO  | AIYEDADE          | 40                          | 40                                  | 1607                           | 1381                        | 85.94                         |
| 603 | OSUN  | ATAKUNMOSA EAST   | 40                          | 39                                  | 1449                           | 1425                        | 98.34                         |
| 604 | OSUN  | ATAKUMOSA WEST    | 40                          | 40                                  | 1749                           | 1075                        | 61.46                         |
| 605 | OSUN  | AYEDIRE           | 40                          | 40                                  | 1489                           | 1045                        | 70.18                         |
| 606 | OSUN  | BOLUWADURO        | 40                          | 40                                  | 1186                           | 1118                        | 94.27                         |
| 607 | OSUN  | BORIPÉ            | 40                          | 40                                  | 1314                           | 958                         | 72.91                         |
| 608 | OSUN  | EDE NORTH         | 40                          | 40                                  | 2504                           | 1124                        | 44.89                         |
| 609 | OSUN  | EDE SOUTH         | 40                          | 40                                  | 1410                           | 895                         | 63.48                         |
| 610 | OSUN  | EGBEDORE          | 40                          | 40                                  | 1609                           | 1064                        | 66.13                         |
| 611 | OSUN  | EJIGBO            | 40                          | 40                                  | 1462                           | 1177                        | 80.51                         |
| 612 | OSUN  | IFE CENTRAL       | 40                          | 40                                  | 1527                           | 963                         | 63.06                         |
| 613 | OSUN  | IFE EAST          | 40                          | 40                                  | 1417                           | 1065                        | 75.16                         |
| 614 | OSUN  | IFE NORTH         | 40                          | 40                                  | 1374                           | 1285                        | 93.52                         |
| 615 | OSUN  | IFE SOUTH         | 40                          | 39                                  | 1805                           | 1623                        | 89.92                         |
| 616 | OSUN  | IFEDAYO           | 40                          | 40                                  | 1516                           | 1420                        | 93.67                         |
| 617 | OSUN  | IFELODUN          | 40                          | 40                                  | 854                            | 528                         | 61.83                         |

| S/N | STATE | LGA               | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|-------|-------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 618 | OSUN  | ILA               | 40                          | 40                                  | 1593                           | 1144                        | 71.81                         |
| 619 | OSUN  | ILESHA EAST       | 40                          | 40                                  | 1375                           | 941                         | 68.44                         |
| 620 | OSUN  | ILESHA WEST       | 40                          | 40                                  | 1700                           | 957                         | 56.29                         |
| 621 | OSUN  | IREPODUN          | 40                          | 40                                  | 1659                           | 1192                        | 71.85                         |
| 622 | OSUN  | IREWOLE           | 40                          | 40                                  | 2144                           | 1245                        | 58.07                         |
| 623 | OSUN  | ISOKAN            | 40                          | 40                                  | 1898                           | 1656                        | 87.25                         |
| 624 | OSUN  | IWO               | 40                          | 40                                  | 2099                           | 1722                        | 82.04                         |
| 625 | OSUN  | OBOKUN            | 40                          | 40                                  | 1602                           | 1214                        | 75.78                         |
| 626 | OSUN  | ODO OTIN          | 40                          | 40                                  | 966                            | 765                         | 79.19                         |
| 627 | OSUN  | OLA-OLUWA         | 40                          | 40                                  | 2413                           | 2351                        | 97.43                         |
| 628 | OSUN  | OLORUNDA          | 40                          | 39                                  | 1418                           | 925                         | 65.23                         |
| 629 | OSUN  | ORIADE            | 40                          | 40                                  | 1402                           | 952                         | 67.90                         |
| 630 | OSUN  | OROLU             | 40                          | 40                                  | 1919                           | 1641                        | 85.51                         |
| 631 | OSUN  | OSOGBO            | 40                          | 40                                  | 1591                           | 732                         | 46.01                         |
| 632 | OSUN  | AFIJIO            | 40                          | 40                                  | 2278                           | 1823                        | 80.03                         |
| 633 | OSUN  | AKINYELE          | 40                          | 40                                  | 1047                           | 578                         | 55.21                         |
| 634 | OYO   | ATIBA             | 40                          | 40                                  | 2253                           | 2009                        | 89.17                         |
| 635 | OYO   | ATISBO            | 40                          | 40                                  | 1635                           | 1515                        | 92.66                         |
| 636 | OYO   | EGBEDA            | 40                          | 40                                  | 1538                           | 785                         | 51.04                         |
| 637 | OYO   | IBADAN NORTH      | 40                          | 40                                  | 2467                           | 597                         | 24.20                         |
| 638 | OYO   | IBADAN NORTH EAST | 40                          | 40                                  | 2558                           | 798                         | 31.20                         |
| 639 | OYO   | IBADAN NORTHWEST  | 40                          | 40                                  | 2121                           | 485                         | 22.87                         |
| 640 | OYO   | IBADAN SOUTH EAST | 40                          | 40                                  | 3283                           | 835                         | 25.43                         |
| 641 | OYO   | IBADAN SOUTH WEST | 40                          | 40                                  | 3075                           | 989                         | 32.16                         |
| 642 | OYO   | IBARAPA CENTRAL   | 40                          | 40                                  | 2614                           | 2083                        | 79.69                         |
| 643 | OYO   | IBARAPA-EAST      | 40                          | 40                                  | 2626                           | 2040                        | 77.68                         |
| 644 | OYO   | IBARAPA-NORTH     | 40                          | 40                                  | 2739                           | 2548                        | 93.03                         |
| 645 | OYO   | IDO               | 40                          | 40                                  | 1062                           | 571                         | 53.77                         |
| 646 | OYO   | IREPO             | 40                          | 40                                  | 2080                           | 1849                        | 88.89                         |
| 647 | OYO   | ISEYIN            | 40                          | 40                                  | 1288                           | 1096                        | 85.09                         |
| 648 | OYO   | ITESIWAJU         | 40                          | 40                                  | 1636                           | 1349                        | 82.46                         |
| 649 | OYO   | IWAJOWA           | 40                          | 38                                  | 1768                           | 1634                        | 92.42                         |
| 650 | OYO   | KAJOLA            | 40                          | 40                                  | 1154                           | 1130                        | 97.92                         |
| 651 | OYO   | LAGELU            | 40                          | 40                                  | 1345                           | 870                         | 64.68                         |
| 652 | OYO   | OGBOMOSO NORTH    | 40                          | 40                                  | 2012                           | 1614                        | 80.22                         |
| 653 | OYO   | OGBOMOSO SOUTH    | 40                          | 40                                  | 1652                           | 1284                        | 77.72                         |
| 654 | OYO   | OGO-OLUWA         | 40                          | 40                                  | 2437                           | 2283                        | 93.68                         |
| 655 | OYO   | OLORUNSOGO        | 40                          | 40                                  | 2136                           | 1977                        | 92.56                         |
| 656 | OYO   | OLUYOLE           | 40                          | 40                                  | 1330                           | 741                         | 55.71                         |
| 657 | OYO   | ONA ARA           | 40                          | 40                                  | 2017                           | 1270                        | 62.96                         |
| 658 | OYO   | ORELOPE           | 40                          | 40                                  | 1947                           | 1837                        | 94.35                         |
| 659 | OYO   | ORIIRE            | 40                          | 40                                  | 2113                           | 2041                        | 96.59                         |
| 660 | OYO   | OYO EAST          | 40                          | 40                                  | 1435                           | 1264                        | 88.08                         |
| 661 | OYO   | OYO WEST          | 40                          | 40                                  | 2275                           | 1594                        | 70.07                         |

| S/N | STATE   | LGA               | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|---------|-------------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 662 | OYO     | SAKI EAST         | 40                          | 40                                  | 2560                           | 2496                        | 97.50                         |
| 663 | OYO     | SAKI WEST         | 40                          | 40                                  | 1539                           | 1361                        | 88.43                         |
| 664 | OYO     | SURULERE          | 40                          | 40                                  | 1686                           | 1414                        | 83.87                         |
| 665 | OYO     | BARKIN LADI       | 40                          | 40                                  | 1228                           | 1215                        | 98.94                         |
| 666 | OYO     | BASSA             | 40                          | 40                                  | 1072                           | 1021                        | 95.24                         |
| 667 | PLATEAU | BOKKOS            | 40                          | 36                                  | 816                            | 772                         | 94.61                         |
| 668 | PLATEAU | JOS EAST          | 40                          | 40                                  | 1065                           | 1057                        | 99.25                         |
| 669 | PLATEAU | JOS NORTH         | 40                          | 40                                  | 822                            | 639                         | 77.74                         |
| 670 | PLATEAU | JOS SOUTH         | 40                          | 40                                  | 1447                           | 1010                        | 69.80                         |
| 671 | PLATEAU | KANAM             | 40                          | 40                                  | 1243                           | 1188                        | 95.58                         |
| 672 | PLATEAU | KANKE             | 40                          | 40                                  | 1491                           | 1477                        | 99.06                         |
| 673 | PLATEAU | LANGTANG NORTH    | 40                          | 40                                  | 1558                           | 1530                        | 98.20                         |
| 674 | PLATEAU | LANTANG SOUTH     | 40                          | 40                                  | 1107                           | 1101                        | 99.46                         |
| 675 | PLATEAU | MANGU             | 40                          | 40                                  | 714                            | 705                         | 98.74                         |
| 676 | PLATEAU | MIKANG            | 40                          | 40                                  | 1219                           | 1215                        | 99.67                         |
| 677 | PLATEAU | PANKSHIN          | 40                          | 38                                  | 1283                           | 1274                        | 99.30                         |
| 678 | PLATEAU | QUA'N PAN         | 40                          | 40                                  | 1142                           | 993                         | 86.95                         |
| 679 | PLATEAU | RIYOM             | 40                          | 40                                  | 1313                           | 1310                        | 99.77                         |
| 680 | PLATEAU | SHENDAM           | 40                          | 40                                  | 1941                           | 1853                        | 95.47                         |
| 681 | PLATEAU | WASE              | 40                          | 40                                  | 1048                           | 1022                        | 97.52                         |
| 682 | PLATEAU | ABUA/ODUAL        | 40                          | 40                                  | 2156                           | 2098                        | 97.31                         |
| 683 | PLATEAU | AHOADA EAST       | 40                          | 40                                  | 1493                           | 1435                        | 96.12                         |
| 684 | RIVERS  | AHOADA WEST       | 40                          | 40                                  | 954                            | 906                         | 94.97                         |
| 685 | RIVERS  | AKUKU TORU        | 40                          | 37                                  | 836                            | 492                         | 58.85                         |
| 686 | RIVERS  | ANDONI            | 40                          | 40                                  | 1923                           | 1864                        | 96.93                         |
| 687 | RIVERS  | ASARI-TORU        | 40                          | 40                                  | 1565                           | 1073                        | 68.56                         |
| 688 | RIVERS  | BONNY             | 40                          | 40                                  | 714                            | 392                         | 54.90                         |
| 689 | RIVERS  | DEGEMA            | 40                          | 40                                  | 831                            | 784                         | 94.34                         |
| 690 | RIVERS  | ELEME             | 40                          | 40                                  | 1666                           | 1230                        | 73.83                         |
| 691 | RIVERS  | EMOHUA            | 40                          | 40                                  | 911                            | 857                         | 94.07                         |
| 692 | RIVERS  | ETCHE             | 40                          | 40                                  | 1177                           | 1058                        | 89.89                         |
| 693 | RIVERS  | GOKANA            | 40                          | 40                                  | 1401                           | 1372                        | 97.93                         |
| 694 | RIVERS  | IKWERRE           | 40                          | 40                                  | 1401                           | 1010                        | 72.09                         |
| 695 | RIVERS  | KHANA             | 40                          | 40                                  | 1042                           | 1023                        | 98.18                         |
| 696 | RIVERS  | OBIO/AKPOR        | 40                          | 40                                  | 2060                           | 692                         | 33.59                         |
| 697 | RIVERS  | OGBA/EGBEMA/NDONI | 40                          | 40                                  | 1778                           | 1412                        | 79.42                         |
| 698 | RIVERS  | OGU/BOLO          | 40                          | 40                                  | 1143                           | 746                         | 65.27                         |
| 699 | RIVERS  | OKRIKA            | 40                          | 40                                  | 1213                           | 948                         | 78.15                         |
| 700 | RIVERS  | OMUMMA            | 40                          | 40                                  | 1366                           | 1356                        | 99.27                         |
| 701 | RIVERS  | OPOBO/NKORO       | 40                          | 40                                  | 1147                           | 887                         | 77.33                         |
| 702 | RIVERS  | OYIGBO            | 40                          | 40                                  | 1594                           | 1469                        | 92.16                         |
| 703 | RIVERS  | PORT-HARCOURT     | 40                          | 37                                  | 1454                           | 785                         | 53.99                         |
| 704 | RIVERS  | TAI               | 40                          | 40                                  | 1814                           | 1561                        | 86.05                         |
| 705 | RIVERS  | BINJI             | 40                          | 40                                  | 2080                           | 1994                        | 95.87                         |

| S/N | STATE  | LGA          | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|--------|--------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 706 | RIVERS | BODINGA      | 40                          | 40                                  | 1250                           | 1214                        | 97.12                         |
| 707 | SOKOTO | DANGE SHUNI  | 40                          | 40                                  | 1601                           | 1591                        | 99.38                         |
| 708 | SOKOTO | GADA         | 40                          | 40                                  | 1030                           | 1028                        | 99.81                         |
| 709 | SOKOTO | GORONYO      | 40                          | 40                                  | 1793                           | 1786                        | 99.61                         |
| 710 | SOKOTO | GUDU         | 40                          | 19                                  | 1017                           | 1003                        | 98.62                         |
| 711 | SOKOTO | GWADABAWA    | 40                          | 40                                  | 1976                           | 1966                        | 99.49                         |
| 712 | SOKOTO | ILLELA       | 40                          | 39                                  | 1035                           | 1012                        | 97.78                         |
| 713 | SOKOTO | ISA          | 40                          | 40                                  | 1217                           | 1205                        | 99.01                         |
| 714 | SOKOTO | KEBBE        | 40                          | 40                                  | 2364                           | 2359                        | 99.79                         |
| 715 | SOKOTO | KWARE        | 40                          | 40                                  | 1331                           | 1288                        | 96.77                         |
| 716 | SOKOTO | RABAH        | 40                          | 40                                  | 1304                           | 1290                        | 98.93                         |
| 717 | SOKOTO | SABON BIRNI  | 40                          | 40                                  | 1536                           | 1536                        | 100.00                        |
| 718 | SOKOTO | SHAGARI      | 40                          | 40                                  | 1502                           | 1494                        | 99.47                         |
| 719 | SOKOTO | SILAME       | 40                          | 40                                  | 2754                           | 2726                        | 98.98                         |
| 720 | SOKOTO | SOKOTO NORTH | 40                          | 40                                  | 1398                           | 949                         | 67.88                         |
| 721 | SOKOTO | SOKOTO SOUTH | 40                          | 40                                  | 1589                           | 1044                        | 65.70                         |
| 722 | SOKOTO | TAMBUWAL     | 40                          | 40                                  | 1663                           | 1620                        | 97.41                         |
| 723 | SOKOTO | TANGAZA      | 40                          | 40                                  | 1745                           | 1661                        | 95.19                         |
| 724 | SOKOTO | TURETA       | 40                          | 39                                  | 1770                           | 1762                        | 99.55                         |
| 725 | SOKOTO | WAMAKKO      | 40                          | 40                                  | 900                            | 797                         | 88.56                         |
| 726 | SOKOTO | WURNO        | 40                          | 40                                  | 1433                           | 1411                        | 98.46                         |
| 727 | SOKOTO | YABO         | 40                          | 40                                  | 1575                           | 1546                        | 98.16                         |
| 728 | SOKOTO | ARDO-KOLA    | 40                          | 40                                  | 1710                           | 1647                        | 96.32                         |
| 729 | SOKOTO | BALI         | 40                          | 40                                  | 1281                           | 1152                        | 89.93                         |
| 730 | TARABA | DONGA        | 40                          | 40                                  | 1231                           | 1222                        | 99.27                         |
| 731 | TARABA | GASHAKA      | 40                          | 40                                  | 1535                           | 1418                        | 92.38                         |
| 732 | TARABA | GASSOL       | 40                          | 40                                  | 1214                           | 1161                        | 95.63                         |
| 733 | TARABA | IBI          | 40                          | 40                                  | 1935                           | 1933                        | 99.90                         |
| 734 | TARABA | JALINGO      | 40                          | 39                                  | 1064                           | 887                         | 83.36                         |
| 735 | TARABA | KARIM LAMIDO | 40                          | 40                                  | 1026                           | 1020                        | 99.42                         |
| 736 | TARABA | KURMI        | 40                          | 40                                  | 1928                           | 1876                        | 97.30                         |
| 737 | TARABA | LAU          | 40                          | 40                                  | 1318                           | 1304                        | 98.94                         |
| 738 | TARABA | SARDAUNA     | 40                          | 40                                  | 1101                           | 1078                        | 97.91                         |
| 739 | TARABA | TAKUM        | 40                          | 40                                  | 855                            | 829                         | 96.96                         |
| 740 | TARABA | USSA         | 40                          | 40                                  | 1107                           | 1106                        | 99.91                         |
| 741 | TARABA | WUKARI       | 40                          | 40                                  | 1202                           | 1186                        | 98.67                         |
| 742 | TARABA | YORRO        | 40                          | 40                                  | 1403                           | 1353                        | 96.44                         |
| 743 | TARABA | ZING         | 40                          | 40                                  | 1082                           | 1028                        | 95.01                         |
| 744 | TARABA | BADE         | 40                          | 40                                  | 1715                           | 1473                        | 85.89                         |
| 745 | TARABA | BURSARI      | 40                          | 40                                  | 1213                           | 1182                        | 97.44                         |
| 746 | YOBE   | DAMATURU     | 40                          | 40                                  | 1760                           | 1465                        | 83.24                         |
| 747 | YOBE   | FIKA         | 40                          | 40                                  | 1545                           | 1497                        | 96.89                         |
| 748 | YOBE   | FUNE         | 40                          | 40                                  | 1623                           | 1609                        | 99.14                         |
| 749 | YOBE   | GEIDAM       | 40                          | 40                                  | 1782                           | 1749                        | 98.15                         |

| S/N | STATE   | LGA           | Expected<br>Number<br>of EA | Total<br>Number<br>of EA<br>Covered | Total<br>Households<br>Covered | Total Farming<br>Households | % of<br>Farming<br>Households |
|-----|---------|---------------|-----------------------------|-------------------------------------|--------------------------------|-----------------------------|-------------------------------|
| 750 | YOBE    | GUJBA         | 40                          | 40                                  | 1093                           | 1090                        | 99.73                         |
| 751 | YOBE    | GULANI        | 40                          | 40                                  | 1239                           | 1223                        | 98.71                         |
| 752 | YOBE    | JAKUSKO       | 40                          | 40                                  | 1512                           | 1499                        | 99.14                         |
| 753 | YOBE    | KARASUWA      | 40                          | 40                                  | 1447                           | 1423                        | 98.34                         |
| 754 | YOBE    | MACHINA       | 40                          | 40                                  | 1601                           | 1588                        | 99.19                         |
| 755 | YOBE    | NANGERE       | 40                          | 40                                  | 1398                           | 1371                        | 98.07                         |
| 756 | YOBE    | NGURU         | 40                          | 40                                  | 1459                           | 1375                        | 94.24                         |
| 757 | YOBE    | POTISKUM      | 40                          | 40                                  | 1261                           | 1201                        | 95.24                         |
| 758 | YOBE    | TARMUWA       | 40                          | 40                                  | 2266                           | 2235                        | 98.63                         |
| 759 | YOBE    | YUNUSARI      | 40                          | 40                                  | 1621                           | 1616                        | 99.69                         |
| 760 | YOBE    | YUSUFARI      | 40                          | 40                                  | 1526                           | 1456                        | 95.41                         |
| 761 | YOBE    | ANKA          | 40                          | 24                                  | 1017                           | 939                         | 92.33                         |
| 762 | YOBE    | BAKURA        | 40                          | 40                                  | 1796                           | 1786                        | 99.44                         |
| 763 | ZAMFARA | BIRNIN MAGAJI | 40                          | 40                                  | 1599                           | 1593                        | 99.62                         |
| 764 | ZAMFARA | BUKKUYUM      | 40                          | 39                                  | 1238                           | 1226                        | 99.03                         |
| 765 | ZAMFARA | BUNGUDU       | 40                          | 40                                  | 1672                           | 1653                        | 98.86                         |
| 766 | ZAMFARA | GUMMI         | 40                          | 40                                  | 1790                           | 1784                        | 99.66                         |
| 767 | ZAMFARA | GUSAU         | 40                          | 40                                  | 1835                           | 1413                        | 77.00                         |
| 768 | ZAMFARA | KAURA NAMODA  | 40                          | 40                                  | 1988                           | 1956                        | 98.39                         |
| 769 | ZAMFARA | MARADUN       | 40                          | 40                                  | 2354                           | 2342                        | 99.49                         |
| 770 | ZAMFARA | MARU          | 40                          | 37                                  | 1436                           | 1434                        | 99.86                         |
| 771 | ZAMFARA | SHINKAFI      | 40                          | 40                                  | 1657                           | 1609                        | 97.10                         |
| 772 | ZAMFARA | TALATA MAFARA | 40                          | 40                                  | 1398                           | 1380                        | 98.71                         |
| 773 | ZAMFARA | TSAFE         | 40                          | 40                                  | 1431                           | 1399                        | 97.76                         |
| 774 | ZAMFARA | ZURMI         | 40                          | 40                                  | 1295                           | 1272                        | 98.22                         |

## Annex 2: Listing survey questionnaire

| SECTION 0: ADMINISTRATIVE IDENTIFICATION   |      |      |  |  |
|--|------|------|--|--|
|  | NAME | CODE |  |  |
| 1. STATE   |      |      |  |  |
| 2. LGA   |      |      |  |  |
| 3. EA NAME   |      |      |  |  |
| 4. LOCALITY  |      |      |  |  |
| 5. ZONE  |      |      |  |  |
| 6. EA CODE   |      |      |  |  |
| 7. SECTOR  |      |      |  |  |
| 8. WARD NAME   |      |      |  |  |
| EA LOCATION SUMMARY  |      |      |  |  |
| Q1 Deos the above information correctly identify the Enumeration Area (Yes or No)  |      |      |  |  |
| Q1a Why is the information not correct   |      |      |  |  |
| Q1b PLEASE SPECIFY -----   |      |      |  |  |
| Q1c What is the correct name of the EA-----  |      |      |  |  |
| Q1d What is the correct name of the locality (town) of the EA                      |      |      |  |  |
| REVISED EA LOCATION SUMMARY  |      |      |  |  |
| Q1e Deos the above information correctly identify the Enumeration Area (Yes or No) |      |      |  |  |
| 9. ID Lister (INTERVIEWER) (Please type your full name).....                       |      |      |  |  |

**SECTION1: BUILDING LISTING**

| IDENTIFICATION OF THE BUILDING |           |                        |                                    |  |
|--------------------------------|-----------|------------------------|------------------------------------|--|
| S/N                            | 1. NBS NO | 2. ADDRESS OF BUILDING | 3. GPS coordinates of the BUILDING | 4. USE OF BUILDING   |
|                                |           |                        |                                    | 1. Residential only<br>2. Residential/Commercial<br>3. Residential/Religious<br>4. Residential/institutional<br>5. Commercial only<br>6. Religious only<br>7. Institutional<br>8. Hotel/Restaurant<br>9. Vacant<br>10. Uncompleted<br>11. Others<br><br>IF 1,2,3, OR 4 >> LIST ALL HOUSEHOLDS<br>RESIDING IN BUILDING IN SECTION 2 |
|                                | 1         | 2                      | 3                                  | 4  |
| 1                              |           |                        |                                    |  |
| 2                              |           |                        |                                    |  |
| 3                              |           |                        |                                    |  |
| 4                              |           |                        |                                    |  |

## SECTION 2: HOUSEHOLD LISTING

(Respondent: Head of Household or any Knowledgeable Adult Member of the Household, 15 years and above)

| For each residential building from Section 1 (S1Q4 = 1, 2, 3, or 4) | S/N FOR EACH HH IN BUILDING |
|---|-----------------------------|
| S/N building from Section 1   |                             |
| 1   | 1                           |
| 1   | 2                           |
| 1   | 3                           |
| 2   | 1                           |
| 2   | 2                           |

| HOUSEHOLD DEMOGRAPHIC INFORMATION |                                |  |   |   |  |  |   |   |  |  |  |
|-----------------------------------|--------------------------------|--|---|---|--|--|---|---|--|--|--|
| 1. NAME OF HOUSEHOLD HEAD [NAME]  | 1A. What is the sex of [NAME]? | 2. What is the total number of household members in this household | 3. How many members of this household are MALE adults 15 years or older | 4. How many members of this household are FEMALE adults 15 years or older | 5. How many members of this household are MALE children under 15 years old | 6. How many members of this household are FEMALE children under 15 years old | 7. How old is [NAME] (IN COMPLETE D YEARS)? | 8. Has [NAME] ever attended school?<br>1. Yes<br>2. No<br>>>Q10 | <div>9. What is the highest educational level [NAME] has completed?</div> <div> NONE.....<br/> ..1<br/> LESS THAN PRIMARY....<br/> ..2<br/> PRIMARY.....<br/> ..3<br/> JUNIOR SECONDARY..<br/> .4<br/> SENIOR SECONDARY..<br/> ..5<br/> TERTIARY/POST-SECONDARY<br/> ...6 </div> | 10. Has any member of this household received any agricultural education / training?<br>1. Yes<br>2. No<br>>>Q12 | 11. Was the agricultural education/training received by household members formal education or vocational training?<br><br>SELECT ALL THAT APPLY<br>1. Formal Agricultural Education (e.g., university, monotech agricultural school,etc)<br>2. Vocational Training (e.g., short training courses by NGOs or other associations/groups) |
|                                   |                                | Number   | Number  | Number  | Number   |  |   |   |  |  |  |

| HOUSEHOLD AGRICULTURAL ACTIVITIES  | CROPS<br>(FOR HH THAT CULTIVATE CROPS IN Q12)  |  |   |   |  |  |   |  |   |
|--|--|--|---|---|--|--|---|--|---|
| 12. Does this household operate the following farming activities for its own account in 2022/23 agricultural season? (Yes/No)              | 13. How many plots is this household currently cultivating or will cultivate in the 2022/23 agricultural season? | 14. Which of the following CEREALS is this household currently cultivating or will cultivate in the 2022/2023 agricultural season?<br><br>READ OUT AND SELECT ALL CROPS CULTIVATED | 15. Which of the following TUBER/ROOT crops is this household currently cultivating or will cultivate in the 2022/2023 agricultural season?<br><br>READ OUT AND SELECT ALL CROPS CULTIVATED | 16. Which of the following LEGUMINOUS crops is this household currently cultivating or will cultivate in 2022/2023 agricultural season?<br><br>READ OUT AND SELECT ALL CROPS CULTIVATED | 17. Which of the following VEGETABLE CROPS crops is this household currently cultivating or will cultivate in 2022/2023 agricultural season?<br>READ OUT AND SELECT ALL CROPS CULTIVATED   | 18. Which of the following INDUSTRIAL, OIL SEED CROPS and OLEAGINOUS FRUITS ((Fruits that extract oil) is this household currently cultivating or will cultivate in 2022/2023 agricultural season?<br><br>READ OUT AND SELECT ALL CROPS CULTIVATED | 19. Which of the following FRUITS AND NUTS is this household currently cultivating or will cultivate in 2022/2023 agricultural season?<br><br>READ OUT AND SELECT ALL CULTIVATED CROPS  | 20. Which of the following STIMULANT CROPS is this household currently cultivating or will cultivate in 2022/2023 agricultural season?<br><br>READ OUT AND SELECT ALL CROPS CULTIVATED | 21. Which OTHER CROPS is this household currently cultivating or will cultivate in 2022/2023 agricultural season?<br><br>READ OUT AND SELECT ALL CROPS CULTIVATED |
| A. Crops cultivation<br>B. Livestock raising (excl poultry)<br>C. Poultry raising<br>D. Fisheries/Aquaculture<br>E. Forestry/Agro-forestry |  | A. MAIZE<br>B. RICE<br>C. MILLET<br>D. GUINEA CORN (sorghum)<br>E. ACHA.<br>F. WHEAT<br>G. NONE  | A. CASSAVA<br>B. YAM<br>C. COCOYAM<br>D. SWEET POTATO<br>E. IRISH POTATO<br>F. NONE   | A. BEANS/COWPEA<br>B. BAMBARA NUT/Bean<br>C. PIGEON PALM/PEAS (Epa Kurubu)<br>D. NONE   | A. ONION<br>B. OKRO.<br>C. TOMATOES<br>D. CARROT<br>E. GARLIC<br>F. GREEN LEAF<br>G. MELON/EGUSI<br>H. PUMPKIN<br>I. LETTUCE<br>J. GARDEN EGGS<br>K. CUCUMBER<br>L. CABBAGE<br>M. SWEET/BELL PEPPER (TATASHE)<br>N. NONE (WATER MELOON WAS DELETED AND MOVED TO Q19) | A. G/NUTS<br>B. SUGAR CANE<br>C. TOBACCO<br>D. COTTON<br>E. OIL PALM<br>F. JUTE (EWEDU)<br>G. SESAME SEED<br>H. SOYA BEANS<br>I. COCONUT<br>J. SHEA NUT<br>K. OIL BEAN<br>L. RUBBER<br>M. NONE   | A. ORANGES<br>B. LEMON / LIME<br>C. GRAPEFRUIT<br>D. TANGERINE/MANDARIN<br>E. AVOCADO PEAR<br>F. GUAVA<br>G. BANANA<br>H. MANGO<br>I. PAWPAW<br>J. PINEAPPLE<br>K. PLANTAIN<br>L. DATE PALM<br>M. PEAR (UBE)<br>N. AFRICAN CHERRY (AGBALUMO/UDARA)<br>O. CASHEW<br>P. WALNUT<br>Q. WATER MELON<br>R. NONE | A. COCOA<br>B. KOLANUT<br>C. COFFEE<br>D. TEA<br>E. ALLIGATOR PEPPER<br>F. NONE  | A. SMALL PEPPER (RODO)<br>B. CHILI PEPPER (SHOMBO)<br>C. BITTER KOLA (Garcinia kola)<br>D. GINGER<br>E. LOCUST BEANS<br>F. GUM ARABIC<br>G. OTHERS<br>H. NONE     |
|  |  |  |   |   |  |  |   |  |   |

| LIVESTOCK<br>(FOR HOUSEHOLDS THAT RAISE LIVESTOCK IN Q12)   |  |   |      |       |     |       |        |       | POULTRY<br>(FOR HOUSEHOLDS THAT RAISE POULTRY IN Q12)   |  |   |         |      | FISHERIES<br>(FOR HH THAT HAD ANY FISHING ACTIVITIES IN Q12)   | AGRICULTURAL ENTERPRISE |   |  |  |                           |  |  |  |
|---|--|---|------|-------|-----|-------|--------|-------|---|--|---|---------|------|--|-------------------------|---|--|--|---------------------------|--|--|--|
| 22. Which of the following TYPES OF LIVESTOCK (excluding poultry) are currently being raised by this household (at the day of the interview)?<br><br>READ OUT AND SELECT ALL LIVESTOCK TYPES RAISED |  | 23-30. What is the TOTAL NUMBER OF [LIVESTOCK TYPE] currently being raised by this household?<br>(In the HH or in transhumance) |      |       |     |       |        |       | 31. Which of the following TYPES OF POULTRY are currently being raised by this household (at the day of the interview)?<br><br>READ OUT AND SELECT ALL POULTRY TYPES RAISED |  | 32-36. What is the TOTAL NUMBER OF [POULTRY TYPE] currently being raised by this household? |         |      | 37. What TYPE OF FISHERIES has this household practiced during the past 12 months?<br><br>READ OUT AND SELECT ALL TYPES OF FISHERY PRACTICED |                         | 38. Has this household owned an agricultural enterprise(s) during the past 12 months? |  | 39. What kind of agricultural enterprise(s) has this household owned in the past 12 months?<br><br>SELECT ALL THAT APPLY |                           |  |  |  |
| A. CATTLE<br>B. GOAT<br>C. SHEEP<br>D. PIG<br>E. HORSE<br>F. DONKEY<br>G. CAMEL<br>H. OTHER (excl. poultry)   |  | CATTLE  | GOAT | SHEEP | PIG | HORSE | DONKEY | CAMEL | OTHERS (EXCLUDING POULTRY)  | A. CHICKEN<br>B. DUCK<br>C. GUINEA FOWL<br>D. TURKEY<br>E. OTHER poultry |   | CHICKEN | DUCK | GUINEA FOWL  | TURKEY                  | OTHER POULTRY   | A. FISH HUNTING / CAPTURE<br>B. FISH FARMING / AQUACULTURE<br>C. OTHER |  | 1. YES<br>2. NO >><br>Q40 |  | 1. Crop and animal production hunting and related service activities<br>2. Forestry, logging and related service activities<br>3. Fishing, operation of fish hatcheries and fish farms; service activities related to fishing (Aids/supports fishing activities) |  |
|   |  |   |      |       |     |       |        |       |   |  |   |         |      |  |                         |   |  |  |                           |  |  |  |

| OTHER ENTERPRISE   |   | CONTACT INFORMATION   |  |  |                             | COMPLETENESS  |   |
|--|---|---|--|--|-----------------------------|---|---|
| 40. Has this household owned any non-agricultural enterprise(s) during the past 12 months? | 41. What kind of non-agricultural enterprise(s) has this household owned during the past 12 months?<br><br>SELECT ALL THAT APPLY  | 42. Does [NAME] have a mobile number that [NAME] can be reached at? | 43. Which mobile number(s) can [NAME] be reached at? | 44. Are there any other mobile numbers that other members of this household can be reached at? | 45. Which mobile number(s)? | 46. IS THE INFORMATION FOR THIS HOUSEHOLD COMPLETE OR PARTIALLY COMPLETE? | 47. PLEASE BRIEFLY EXPLAIN WHY THE INFORMATION CAPTURED IS PARTIALLY COMPLETE |
| 1. YES<br>2. NO >> Q42   | 1. Wholesale and Retail Trade<br>2. Manufacturing<br>3. Construction<br>4. Accommodation and food services<br>5. Transportation and Storage<br>6. Other personal services<br>999. Other | 1. YES<br>2. NO >> Q44  |  | 1. YES<br>2. NO >> NEXT  |                             | 1. COMPLETE >> NEXT HH<br>2. PARTIALLY COMPLETE                           |   |
|  |   |   |  |  |                             |   |   |

## Annex 3: Listing survey statistical tables

The following list of tables are available under the link provided below:

***(NBS: Please provide the link for the tables)***

|   |
|---|
| Table 1: Number of agricultural households and distribution of household members by size  |
| Table 2: Distribution of head of agricultural households by sex   |
| Table 3: Distribution of head of agricultural households by sex and age   |
| Table 4: Distribution of head of agricultural households by sex in each age group   |
| Table 5.1: Highest educational level of head of agricultural households by sex  |
| Table 5.2: Highest educational level of head of agricultural households by sex  |
| Table 6: Agricultural training received by Household members in agricultural households by sex  |
| Table 7A: Distribution of farming activities operated by agricultural households  |
| Table 7B: Distribution of farming activities operated by agricultural households  |
| Table 7D: Distribution of agricultural households by farming activities and sex of the head   |
| Table 8: Distribution of crop producing agricultural households by number of farming plots operated                                       |
| Table 8A: Distribution of number of plots by crop producing agricultural households   |
| Table 9A: Distribution of agricultural households by major crop groups  |
| Table 9B: Distribution of crop producing agricultural households by major crop groups   |
| Table 9C: Distribution of agricultural households by major crop groups and Sex of the household head                                      |
| Table 9D: Distribution of crop producing agricultural households by major crop groups and Sex of the household head                       |
| Table 9E: Distribution of cereal crop producing agricultural households, % from crop producing households                                 |
| Table 10: Distribution of tuber/root crops producing agricultural households, % from crop producing households                            |
| Table 11: Distribution of leguminous crops producing agricultural households, % from crop producing households                            |
| Table 12: Distribution of vegetable crops producing agricultural households, % from crop producing households                             |
| Table 13: Distribution of industrial oil Seeds crops/oleaginous crops producing agricultural households, % from crop producing households |
| Table 14: Distribution of fruits and nuts crops producing agricultural households, % from crop producing households                       |
| Table 15: Distribution of Stimulant crops producing agricultural households, % from crop producing households                             |
| Table 16: Distribution of agricultural households with other crops, % from crop producing households                                      |
| Table 17: Percentage distribution of agricultural households by types of livestock  |
| Table 17A: Distribution of agricultural Households by types of livestock and sex of household head  |
| Table 17_Cattle: Distribution of agricultural households raising cattle by size of cattle herds   |
| Table 17_Goat: Distribution of agricultural households raising goat by size of goat herds   |
| Table 17_Sheep: Distribution of agricultural households raising Sheep by size of sheep herds  |
| Table 17_Pig: Distribution of agricultural households raising Pig by size of pig herds  |
| Table 17_Horse: Distribution of agricultural households raising Horse by size of Horse herd   |
| Table 17_Donkey: Distribution of agricultural households raising donkey by size of donkey herd  |
| Table 17_Camel: Distribution of agricultural households raising camel by size of camel herd   |

Table 18: Distribution of agricultural households by types of poultry  
Table 18A: Distribution of agricultural Households by types of poultry and sex of household head  
Table 18\_Chicken: Distribution of agricultural households raising chicken by number of chickens  
Table 18\_Duck: Distribution of agricultural households raising duck by number of ducks  
Table 18\_Guinea Fowl: Distribution of agricultural households raising guinea fowl by number of guinea fowls  
Table 18\_Turkey: Distribution of agricultural households raising turkeys by number of turkeys  
Table 19: Distribution of agricultural households practicing fisheries/aquaculture by types  
Table 19A: Distribution of agricultural households practicing fisheries/aquaculture by types and sex of household head  
Table 20: Distribution of households that owned non-agricultural enterprises by types  
Table 21: Distribution of households that owned agricultural enterprises by types  
Table 22: Distribution of agricultural households by agricultural activities and plot number  
Table 22 Cattle: Distribution of agricultural households that practice crop and livestock activities by number of cattle and plot number  
Table 22 Goat: Distribution of agricultural households that practice crop and livestock activities by number of goat and plot number  
Table 22 Sheep: Distribution of agricultural households that practice crop and livestock activities by number of sheep and plot number  
Table 22 Pig: Distribution of agricultural households that practice crop and livestock activities by number of pig and plot number  
Table 22 Horse: Distribution of agricultural households that practice crop and livestock activities by number of horse and plot number  
Table 22 Donkey: Distribution of agricultural households that practice crop and livestock activities by number of donkey and plot number  
Table 22 Camel: Distribution of agricultural households that practice crop and livestock activities by number of camel and plot number  
Table 22 Chicken: Distribution of agricultural households that practice crop and poultry activities by number of chicken and plot number  
Table 22 Duck: Distribution of agricultural households that practice crop and poultry activities by number of duck and plot number  
Table 22 Guinea Fowl: Distribution of agricultural households that practice crop and poultry activities by number of guinea fowl and plot number  
Table 22 Turkey: Distribution of agricultural households that practice crop and poultry activities by number of turkey and plot number  
Table 23: Livestock population in Tropical Livestock Unit (TLU)

In addition, the following list of tables are produced at the LGA level for each State and can be found under the following link:

***(NBS: Please provide the link for the community level tables)***

Table 7A\_Benu: Distribution of Farming Activities Operated by agricultural Households  
Table 7A\_Fct: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Kogi: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Kwara: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Nassrawa: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Niger: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Plateau: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Adamawa: Distribution of Farming Activities Operated by Agricultural Households

Table 7A\_Bauchi: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Borno: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Gombe: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Taraba: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Yobe: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Jigawa: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Kaduna: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Kano: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Katsina: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Kebbi: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Sokoto: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Zamfara: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Abia: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Anambra: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Ebonyi: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Enugu: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Imo: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Akwa Ibom: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Bayelsa: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Cross River: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Delta: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Edo: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Rivers: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Ekiti: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Legos: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Ogum: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Ondo: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Osun: Distribution of Farming Activities Operated by Agricultural Households  
Table 7A\_Oyo: Distribution of Farming Activities Operated by Agricultural Households

# Annex 4: Community survey questionnaire

## NATIONAL AGRICULTURAL SAMPLE CENSUS (NASC) 2022 COMMUNITY QUESTIONNAIRE

### SECTION 1A: IDENTIFICATION

|  | NAME                 | CODE                 |
|--|----------------------|----------------------|
| 1. STATE   | <input type="text"/> | <input type="text"/> |
| 2. LGA   | <input type="text"/> | <input type="text"/> |
| 3. COMMUNITY NAME                                | <input type="text"/> |                      |
| 4. LOCALITY                                      | <input type="text"/> |                      |
| 5. ZONE  | <input type="text"/> | <input type="text"/> |
| 6. SECTOR  |                      | <input type="text"/> |
| 7. WARD NAME.....                                |                      |                      |
| 8. INTERVIEWER (Please type your full name)..... |                      |                      |

| SECTION 1: RESPONDENT CHARACTERISTICS |      |   |   |  |  |  |   |  |   |
|---------------------------------------|------|---|---|--|--|--|---|--|---|
| 0.                                    | 1.   | 2.  | 3.  | 4.   | 4a.  | 5.   | 6.  | 7.   | 8.                                      |
| SERIAL NO                             | NAME | RECORD<br>[NAME]'s<br>SEX   | How old is<br>[NAME]?<br><br>IN<br>COMPLETED<br>YEARS | What<br>position does<br>[NAME]<br>currently<br>have in this<br>community?<br>ALLOW UP<br>TO 2<br>RESPONSES.   | Is [NAME]<br>engaged in<br>any of the<br>following<br>agricultural<br>activities?<br>(Y/N)   | For how many<br>years has<br>[NAME] lived<br>in this<br>community?<br><b>CUMULATIVE<br/>YEARS LEVEL</b>  | What is the highest educational level<br>[NAME] completed?  | Does<br>[NAME] have<br>a phone?<br>1. Yes<br>2. No<br>If No,<br>Next<br>person | What is<br>[NAME]'s<br>phone<br>number? |
|                                       |      | MAKE A<br>COMPLETE LIST OF<br>ALL INDIVIDUALS<br>WHO ARE PART<br>OF THE GROUP OF<br>INFORMANTS FOR<br>THE COMMUNITY<br>QUESTIONNAIRE. | Q2<br>MALE.....1<br>FEMALE...2                        | <b>Q4 VILLAGE/ COMMUNITY HEAD...01</b><br><b>SPOUSE TO VILLAGE/ COMMUNITY</b><br><b>HEAD.....02</b><br><b>GOVERNMENT WORKER(S)- HEALTH</b><br><b>PERSONNEL, HEAD TEACHER/TEACHER,</b><br><b>AGRICULTURAL ADVISOR, POLICE,</b><br><b>ETC.....03</b><br><b>REPRESENTATIVE OF YOUTH</b><br><b>ORGANIZATION.....04</b><br><b>REPRESENTATIVE OF SCHOOL</b><br><b>COMMITTEE.....05</b><br><b>REPRESENTATIVE OF CULTURAL</b><br><b>COMMITTEE.....06</b><br><b>REPRESENTATIVE OF WOMEN</b><br><b>ASSOCIATION.....07</b><br><b>AGRICULTURAL EXTENSION OFFICER .....08</b><br><b>VETERINARIAN .....09</b><br><b>OTHER PERSON KNOWLEDGEABLE ABOUT</b><br><b>AGRICULTURE IN THE COMMUNITY.....10</b> | <b>Q4A</b><br><b>CROP FARMING</b><br><br><b>LIVESTOCK RAISING</b><br><br><b>FISH CAPTURE/FISH</b><br><b>FARMING</b><br><br><b>FORESTRY</b> | <b>Q6</b><br><b>NONE.....00</b><br><b>N1.....01</b><br><b>N2.....02</b><br><b>P1.....11</b><br><b>P2.....12</b><br><b>P3.....13</b><br><b>P4.....14</b><br><b>P5.....15</b><br><b>P6.....16</b><br><b>JS1.....21</b><br><b>JS2.....22</b><br><b>JS3.....23</b><br><b>SS1.....24</b><br><b>SS2.....25</b><br><b>SS3 .....26</b><br><b>LOWER 6...27</b><br><b>UPPER 6...28</b> | <b>TEACHER TRAINING.....31</b><br><b>SECONDARY VOCATIONAL/</b><br><b>TECHNICAL/COMMERCIAL.....321</b><br><b>TERTIARY</b><br><b>VOCATIONAL/</b><br><b>TECHNICAL/</b><br><b>COMMERCIAL.....322</b><br><b>MODERN</b><br><b>SCHOOL.....33</b><br><b>NCE.....34</b><br><b>POLY/PROF.....41</b><br><b>1ST DEGREE.....42</b><br><b>HIGHER</b><br><b>DEGREE.....43</b><br><b>QUARANIC.....51</b><br><b>INTEGRATED</b><br><b>QUARANIC.....52</b><br><b>OTHER</b><br><b>RELIGIOUS.....53</b><br><b>ADULT</b><br><b>EDUCATION.....61</b><br><b>OTHER (SPECIFY).....999</b> |  |   |
| 1                                     |      |   |   |  |  |  |   |  |   |
| 2                                     |      |   |   |  |  |  |   |  |   |
| 3                                     |      |   |   |  |  |  |   |  |   |
| 4                                     |      |   |   |  |  |  |   |  |   |
| 5                                     |      |   |   |  |  |  |   |  |   |
| 6                                     |      |   |   |  |  |  |   |  |   |
| 7                                     |      |   |   |  |  |  |   |  |   |
| 8                                     |      |   |   |  |  |  |   |  |   |
| 9                                     |      |   |   |  |  |  |   |  |   |
| 10                                    |      |   |   |  |  |  |   |  |   |

| SECTION 2: AGRICULTURAL ACTIVITIES IN THE COMMUNITY  |     |    |
|--|-----|----|
| <b>I. Production and processing activities in the community</b>                                  |     |    |
| 1. What are the crop activities practiced in this community in the past 12 months?               | Yes | No |
| a. Rain fed temporary crops (Maize, yam, beans etc.)   |     |    |
| b. Irrigation farming  |     |    |
| c. Market gardening  |     |    |
| d. Permanent Crops (Mango, Cashew, Orange etc)   |     |    |
| e. Cultivation of Forestry and Wooded land   |     |    |
| f. Wild crop foraging (Mainly for Livestock)   |     |    |
| Other (specify)  |     |    |
| 2. What are the livestock production activities in this community in the past 12 months?         | Yes | No |
| a. Cattle  |     |    |
| b. Goats   |     |    |
| c. Sheep   |     |    |
| d. Poultry   |     |    |
| e. Pigs  |     |    |
| f. Others (e.g. bee-keeping, snail, grasscutter, etc.)   |     |    |
|  |     |    |
| 3. What are the fishery activities in this community in the past 12 months?                      | Yes | No |
| a. Marine industrial fishing (fishing activity by trawler, ship) (removed commercial)            |     |    |
| b. Artisanal fishing: fishing activity by canoe or boat  |     |    |
| c. Aquaculture/fish farming  |     |    |
| d. Other (specify)   |     |    |
| 4. Which of the following types of agro-processing activities are in practice in this community? | Yes | No |

|  |     |                |
|--|-----|----------------|
| a. Crop Processing   |     |                |
| b. Livestock Processing  |     |                |
| c. Fish Processing   |     |                |
| d. Forest wood Processing  |     |                |
|  |     |                |
| 5. Which of the following agricultural facilities are currently available in this community? | Yes | No             |
| a. Milling facilities  |     |                |
| b. Feed Milling  |     |                |
| c. Corn husker   |     |                |
| d. Cocoa Mill  |     |                |
| e. Palm oil mill   |     |                |
| f. Rice husker   |     |                |
| g. Slaughterhouse  |     |                |
| h. Facility for conservation of crop products  |     |                |
| i. Facility for conservation of milk   |     |                |
| j. Facility for conservation of Fisheries products   |     |                |
| k. Facility for processing of crop products  |     |                |
| l. Facility for processing of milk   |     |                |
| m. Facility for commercialisation of crop products   |     |                |
| n. Facility for commercialisation of milk  |     |                |
| o. Facility for commercialisation of Fisheries products                                      |     |                |
| p. Facility for commercialisation of feed for livestock/poultry                              |     |                |
| Other (specify)  |     |                |
|  |     |                |
| 6a. Is there currently any source of electricity available in this community?                | Yes | No >> II. Land |
|  |     |                |
| 6b. Which of the following sources of electricity are available in this community?           | Yes | No             |
| 1. National grid (PHCN)  |     |                |

|   |  |  |
|---|--|--|
| 2. Community-/Mini-grid   |  |  |
| 3. Community Solar  |  |  |
| 4. Community Generator  |  |  |
| 999. Other(s) Specify   |  |  |
|   |  |  |
| 7. FOR ALL SOURCES IN Q6B: Is the [SOURCE] available in this community in working condition?  | Yes  | No   |
| 1. National grid  |  |  |
| 2. Community-/Mini-grid   |  |  |
| 3. Community Solar  |  |  |
| 4. Community Generator  |  |  |
| 999. Other(s) Specify   |  |  |
|   |  |  |
| <b>II. Land characteristics and irrigation in the community</b>   | <b>Percentage (a)</b>  | <b>Evolution (b)</b>                           |
|   | 1. None (0%)<br>2. [1-25%]<br>3. [26%-50%]<br>4. [51%-75%]<br>5.[76%-100%] | 1. Increase<br>2. Decrease<br>3. Stay the same |
| 1. (a) What share of the total farm land in the community are affected by land degradation /decrease in soil fertility in the last 3 years? (a)<br><br>(b) [IF PERCENTAGE >0] Compared to 3 years ago, has the total area affected by land degradation/decrease in soil fertility been increasing, decreasing, or staying the same? (b) |  |  |
| 2. (a) What share of the total farm land in the community was affected by desertification in the last 3 years?  |  |  |

|  |                                   |                      |
|--|-----------------------------------|----------------------|
| (b) [IF PERCENTAGE >0] Compared to 3 years ago, has the total area affected by desertification been increasing, decreasing, or staying the same?   |                                   |                      |
| 3. (a) What share of the total farm land in the community was abandoned for other reason in the last 3 years (excluding fallow land)?  |                                   |                      |
| (b) [IF PERCENTAGE >0] Compared to 3 years ago, has the total area abandoned due to other reasons been increasing, decreasing, or staying the same?  |                                   |                      |
| 4. What are the top three reasons for land abandonment during the past 3 years?<br>[Select from (c)]   | Reasons for Land abandonment (C ) |                      |
| a. First reason  |                                   |                      |
| b. Second reason   |                                   |                      |
| c. Third reason  |                                   |                      |
| (c): 1. lack of water, 2. water salinity, 3. lack of labourers, 4. increased labour cost, 5. production flow problems, "(e.g problems related to different steps in the production process, such as planting, harvesting, storage)" 6. Increased cost of inputs, 7. Conflicts, 8. Insecurity, 9. insufficient basic infrastructure, 10. Land disputes, 11. Oil Spillage 12. Erosion 999. Other (specify) |                                   |                      |
|  |                                   |                      |
| 5. Is there any land under irrigation in this community?   | Yes                               | No >> III Markets    |
|  |                                   |                      |
| 6. What are the two main sources of irrigation water? (d)  |                                   |                      |
| a. First source  |                                   |                      |
| b. Second source   |                                   |                      |
| (d) 1. Pumping, 2. surface well, 3. Dam, 4. Spring, 5. waste water, 6. lake, 7. river, 999. other sources  |                                   |                      |
|  |                                   |                      |
| 7. Are the communal irrigation facilities in working order? Yes = 1, No = 2  |                                   |                      |
| III. Markets to sell agricultural products   | Where is the nearest              | [IF OPTION 1 IN (a)] |

|   |  |  |
|---|--|--|
|   | [MARKET] located where farmers can sell their agricultural products? [Select from (a)] | What is the distance in km from the centre of the community to the nearest [MARKET]? [Select from (b)] |
| 1. Wholesale market   |  |  |
| 2. Weekly market  |  |  |
| a. Main market  |  |  |
| b. Secondary market   |  |  |
| 3. Daily market   |  |  |
| (a) 1. In this community 2. In the LGA, 3. In another LGA in this state, 4. In another state (Skip b if a is 2 – 4) |  |  |
| (b) 1. Less than 1 KM 2. 1-2 KM 3. Above 2 KM   |  |  |
| 4. How do most of the farmers in this community transport their produce to their main selling point?                |  |  |
| 1. Foot 2. Bicycle 3. Tricycle/Motorcycle 4. Car/Van 5. Boat/Canoe 6. Animal-drawn Cart 7. Other (specify)          |  |  |
| <b>IV. Access to agricultural inputs, services and credit in the community</b>                                      | Existence (a)  | Distance in km from the centre of the community (b)  |
| 1. Are the following input and technical support services available in this community?                              |  |  |
| a. Input supplier   |  |  |
| - Fertilisers shop  |  |  |
| - Seeds/planting material shop  |  |  |
| - Pesticides shop   |  |  |
| b. Extension service  |  |  |
| c. Veterinary service   |  |  |
| d. Pharmacy service   |  |  |

|   |               |              |
|---|---------------|--------------|
| e. Mechanization service (facilities for repairing agricultural machinery)  |               |              |
| f. Storage for Agricultural products (REMOVED CEREALS BANK)   |               |              |
| (a) 1. Yes 2. No  |               |              |
| (b) 1. Less than 1 KM 2. 1-2 KM 3. Above 2 KM   |               |              |
| 2. Which of the following sources of agricultural credit are available to members of this community?  | Existence (a) |              |
| a. Microcredit  |               |              |
| b. Bank   |               |              |
| c. Cooperatives   |               |              |
| d. Input Suppliers  |               |              |
| 999. Others Specify   |               |              |
| (a) 1. Yes 2. No  |               |              |
|   |               |              |
| <b>V. Social cohesion</b>   |               |              |
| 1. (a) What were the three main causes of conflict in this community in the past 3 years?   | Cause(a)      | Severity (b) |
| (b) FOR EACH CAUSE: Was this conflict due to [CAUSE] experienced frequently or occasionally in the community?   |               |              |
| a. First cause  |               |              |
| b. Second cause   |               |              |
| c. Third cause  |               |              |
| (a): 1. Land, 2. Water, 3. Other natural resources, 4. Livestock related 5. Boundary Dispute 6. Others (specify) 98. No conflict in this community  |               |              |
| (b) 1. Frequently 2. Occasional   |               |              |
| <b>VI. Difficulties in agricultural activities</b>  |               |              |
| 1. Which of the following difficulties related to crop production did farmers face in this community in the past 3 years? [ASK IF THERE IS CROP PRODUCTION IN THE COMMUNITY ACCORDING TO S2 Q1] | 1. Yes        | 2. No        |
| A. Lack of agricultural Land  |               |              |
| B. Poor access to land  |               |              |

|   |               |              |
|---|---------------|--------------|
| C. Poor access to energy  |               |              |
| D. Soil degradation/decreasing soil fertility   |               |              |
| E. Crop diseases  |               |              |
| F. Drought  |               |              |
| G. Flood  |               |              |
| I. Water scarcity   |               |              |
| J. Animal damage  |               |              |
| K. Production theft   |               |              |
| L. Insecurity, violence   |               |              |
| M. Insufficient manpower  |               |              |
| N. Difficulties in selling the products   |               |              |
| O. Lack of and difficulties in getting input  |               |              |
| P. High input costs   |               |              |
| Q. Difficulty accessing credit  |               |              |
| R. Indebtedness   |               |              |
| S. Limited Access to machinery and equipment  |               |              |
| T. Poor transportation and/or infrastructure  |               |              |
| U. Low adoption of improved technology  |               |              |
| 999. Others (specify)   |               |              |
| <b>2. Which of the following difficulties related to livestock production did livestock farmers face in this community in the past 3 years? [ASK IF ANY LIVESTOCK PRODUCTION IN THE COMMUNITY ACCORDING TO S2 Q2]</b> | <b>1. Yes</b> | <b>2. No</b> |
| A. Insufficient grazing   |               |              |
| B. Insufficient feed for cattle   |               |              |
| C. High cost of cattle feed   |               |              |
| D. Considerable drop in livestock producer prices   |               |              |
| E. Insufficient manpower  |               |              |
| F. Cattle theft   |               |              |
| G. Animal parasite  |               |              |

|  |               |              |
|--|---------------|--------------|
| H. Predators   |               |              |
| I. Insecurity, violence  |               |              |
| J. Conflicts between livestock producers   |               |              |
| K. Conflicts between livestock producers and crops producers   |               |              |
| L. Low level of technical supervision  |               |              |
| M. Difficulties in accessing veterinary services   |               |              |
| N. Difficulty accessing credit   |               |              |
| O. Indebtedness  |               |              |
| P. Inadequate insemination centres   |               |              |
| Q. Rare application of modern technology in production   |               |              |
| 999. Other (specify)   |               |              |
| <b>3. Which of the following difficulties related to fishing and aquaculture did fishers or fish farmers face in this community in the past 3 years? [ASK IF ANY FISHERIES ACTIVITIES IN THE COMMUNITY ACCORDING TO S2 Q3]</b> | <b>1. Yes</b> | <b>2. No</b> |
| A. Lack of fishing equipment   |               |              |
| B. Insufficient infrastructure to support aquaculture  |               |              |
| C. Insufficient manpower   |               |              |
| D. Low Financial Capability  |               |              |
| E. Poor capacity for maintenance   |               |              |
| F. Use of unconventional machinery   |               |              |
| G. Difficulty acquiring fish feed  |               |              |
| H. Low level of technical supervision  |               |              |
| I. Difficulty accessing credit   |               |              |
| J. Indebtedness  |               |              |
| K. Flooding  |               |              |
| L. Poor capacity building  |               |              |
| M. Conflict among the Water Users  |               |              |
| 999. Other (specify) (Removed "Prevalence of residual factors" from the option)  |               |              |



| SECTION 3: LIVESTOCK PRODUCTION [IF LIVESTOCK IS IN THE COMMUNITY ACCORDING TO S2 Q2] |  |     |   |  |
|---|--|-----|---|--|
| Q1.   | <b>I. Livestock</b><br>Were there any livestock or poultry vaccination campaigns by veterinary services that were provided or available to this community in the past 3 years? |     |   |  |
|   | <input type="radio"/> 1 YES  |     |   |  |
|   | <input type="radio"/> 2 NO >> Q3a  |     |   |  |
| Q2.   | Which types of livestock and poultry vaccination campaigns by veterinary services were provided or available to this community in the past 3 years? Fill all that apply        |     |   |  |
|   | <input type="radio"/>  | 1   | ASF (African Swine Fever)               |  |
|   | <input type="radio"/>  | 2   | BV(Brucella)Brucella)                   |  |
|   | <input type="radio"/>  | 3   | CBPP Contagious Bovine Pleuropneumonia) |  |
|   | <input type="radio"/>  | 4   | Fowl Cholera                            |  |
|   | <input type="radio"/>  | 5   | Fowl Typhoid                            |  |
|   | <input type="radio"/>  | 6   | HS (haemorrhagic Septicaemia)           |  |
|   | <input type="radio"/>  | 7   | Infectious Bursal Disease (IBD)         |  |
|   | <input type="radio"/>  | 8   | NCD (New Castle disease)                |  |
|   | <input type="radio"/>  | 9   | PPR (Goat Disease)                      |  |
|   | <input type="radio"/>  | 999 | Other Specify                           |  |
| Q3a   | Do farmers in this community commonly use antibiotics drugs to treat livestock? 1. Yes 2. No   |     |   |  |
| Q3b   | Do farmers in this community commonly use hormones to boost livestock productivity? 1. Yes 2. No   |     |   |  |
| Q4a.  | Do livestock farmers in this community commonly apply traditional medicine to treat sick livestock? 1. Yes 2. No >> Q5   |     |   |  |
| Q4b.  | Do the livestock farmers in this community apply traditional medicine to their livestock for any of the following? (select all that apply)                                     |     |   |  |
|   | <input type="radio"/>  | 1   | Reproduction                            |  |
|   | <input type="radio"/>  | 2   | Curative                                |  |
|   | <input type="radio"/>  | 3   | Preventative                            |  |
|   | <input type="radio"/>  | 4   | Fattener                                |  |
|   | <input type="radio"/>  | 999 | Other (specify)                         |  |

|     |  |     |                      |
|-----|--|-----|----------------------|
| Q5. | In the past 12 months, was there any time when insufficient livestock feed was encountered by livestock farmers in this community? |     |                      |
|     | <input type="radio"/>  | 1   | Yes                  |
|     | <input type="radio"/>  | 2   | No >>Q7              |
| Q6. | In which months during the past 12 months was insufficient livestock feed encountered? (fill in all that apply)                    |     |                      |
|     | <input type="radio"/>  | 1   | January              |
|     | <input type="radio"/>  | 2   | February             |
|     | <input type="radio"/>  | 3   | March                |
|     | <input type="radio"/>  | 4   | April                |
|     | <input type="radio"/>  | 5   | May                  |
|     | <input type="radio"/>  | 6   | June                 |
|     | <input type="radio"/>  | 7   | July                 |
|     | <input type="radio"/>  | 8   | August               |
|     | <input type="radio"/>  | 9   | September            |
|     | <input type="radio"/>  | 10  | October              |
|     | <input type="radio"/>  | 11  | November             |
|     | <input type="radio"/>  | 12  | December             |
| Q7. | What is the main source of water used for watering livestock in this community (fill in one circle only)                           |     |                      |
|     | <input type="radio"/>  | 1   | Borehole             |
|     | <input type="radio"/>  | 2   | Well                 |
|     | <input type="radio"/>  | 3   | Dam or lake          |
|     | <input type="radio"/>  | 4   | River/stream         |
|     | <input type="radio"/>  | 5   | Spring               |
|     | <input type="radio"/>  | 6   | Rainwater harvesting |
|     | <input type="radio"/>  | 999 | Other (specify)      |
| Q8a | Were any problem(s) encountered in watering livestock in this community during the past 12 months?                                 |     |                      |
|     | <input type="radio"/>  | 1   | Yes                  |
|     | <input type="radio"/>  | 2   | No >> Q10            |
| Q8b | In which months during the past 12 months were problems encountered in watering livestock. (fill in all that apply)                |     |                      |
|     | <input type="radio"/>  | 1   | January              |
|     | <input type="radio"/>  | 2   | February             |

|      |   |     |  |
|------|---|-----|--|
|      | <input type="radio"/>   | 3   | March                                    |
|      | <input type="radio"/>   | 4   | April                                    |
|      | <input type="radio"/>   | 5   | May                                      |
|      | <input type="radio"/>   | 6   | June                                     |
|      | <input type="radio"/>   | 7   | July                                     |
|      | <input type="radio"/>   | 8   | August                                   |
|      | <input type="radio"/>   | 9   | September                                |
|      | <input type="radio"/>   | 10  | October                                  |
|      | <input type="radio"/>   | 11  | November                                 |
|      | <input type="radio"/>   | 12  | December                                 |
| Q9.  | What was the main problem encountered in watering livestock in this community in the past 12 months (Select one option) |     |  |
|      | <input type="radio"/>   | 1   | Restricted access to water sources       |
|      | <input type="radio"/>   | 2   | Lack of water in usual water sources     |
|      | <input type="radio"/>   | 3   | Poor quality of usual water sources      |
|      | <input type="radio"/>   | 4   | Distance to water sources                |
|      | <input type="radio"/>   | 5   | Poor access to water sources             |
|      | <input type="radio"/>   | 999 | Other (specify)                          |
| Q10. | What is the main disposal method for dead animals practiced in this community? (Select one option)                      |     |  |
|      | <input type="radio"/>   | 1   | Buried on the holding                    |
|      | <input type="radio"/>   | 2   | Incinerated (BURNT)                      |
|      | <input type="radio"/>   | 3   | Composted                                |
|      | <input type="radio"/>   | 4   | Removed from farm by collection service  |
|      | <input type="radio"/>   | 999 | Other (specify)                          |
| Q11. | Where do livestock farmers in this community take their animals to graze/eat grass? [MULTIPLE RESPONSE]                 |     |  |
|      | <input type="radio"/>   | 1   | There are no grazing animals             |
|      | <input type="radio"/>   | 2   | Unused state lands                       |
|      | <input type="radio"/>   | 3   | Household lands / their own lands/fields |
|      | <input type="radio"/>   | 4   | Village common lands                     |
|      | <input type="radio"/>   | 5   | Lands on natural reserve                 |
|      | <input type="radio"/>   | 6   | Local public lands (roadsides etc.)      |
|      | <input type="radio"/>   | 7   | Forest areas                             |

|   |   |     |                                    |
|---|---|-----|------------------------------------|
|   | <input type="radio"/>   | 8   | Protected areas or government area |
|   | <input type="radio"/>   | 999 | Other (specify)                    |
| Q12.  | What type of pastoral or nomadic livestock activity is being practised in this community? (select all that apply)   |     |                                    |
|   | <input type="radio"/>   | 1   | Sedentary                          |
|   | <input type="radio"/>   | 2   | Nomadic                            |
|   | <input type="radio"/>   | 3   | Transhumance                       |
| <p><i>Pastoralists are livestock farmers who feed animals mainly through grazing and the use of naturally occurring fodder resources. They can be sedentary (permanently settled), semi-nomadic or transhumance (not permanently settled, temporary/seasonal movements) or nomadic (always moving from one place to another)</i></p> <p><i>1. Sedentary pastoralists keep poultry and other livestock in one place according to culture, climate, environment, natural resources and geographical areas.</i></p> <p><i>2 Nomadic farming is characterized by the continuous movement of the herdsman and his flock from one place to another in search of food and water. It can also be a movement away from areas of pest and disease infestation. (ACROSS STATES)</i></p> <p><i>3. Transhumance is a type of pastoralism characterised by seasonal movements of livestock between fixed summer and winter pastures. (ACROSS COUNTRIES)</i></p> <p><i>Nomadic and Transhumance pastoralists are mobile and as such usually don't keep poultry but mostly cattle and small ruminant like goat, sheep etc. alongside the cattle</i></p> |   |     |                                    |
| Q13   | [IF 2 OR 3 SELECTED IN Q12] Which types of ruminant livestock is nomadic breeding/transhumance practised with in this community? (fill in all that apply) |     |                                    |
|   | <input type="radio"/>   | 1   | Cattle                             |
|   | <input type="radio"/>   | 2   | Sheep                              |
|   | <input type="radio"/>   | 3   | Goat                               |
|   | <input type="radio"/>   | 999 | Other ruminants (specify)          |
|   |   |     |                                    |
| Q14   | Was cross-border transhumance practised during the past 12 months in this community?  |     |                                    |
|   | <input type="radio"/>   | 1   | Yes                                |
|   | <input type="radio"/>   | 2   | No                                 |
| Q15   | Is a nomadic (stock) route passing through/near this community?   |     |                                    |

|                        |   |   |                         |  |
|------------------------|---|---|-------------------------|--|
|                        | <input type="radio"/>   | 1 | YES                     |  |
|                        | <input type="radio"/>   | 2 | No                      |  |
| <b>II. ENVIRONMENT</b> |   |   |                         |  |
| Q1.                    | Are there any agricultural areas in this community located partially or totally in an officially protected or preserved area (natural reserves, environmentally protected area) ? |   |                         |  |
|                        | <input type="radio"/>   | 1 | Yes                     |  |
|                        | <input type="radio"/>   | 2 | No >> Q3                |  |
| Q2.                    | Report the type/name of the area.   |   |                         |  |
|                        |   |   |                         |  |
| Q3.                    | Are there any forest or other wooded land partially or totally under sustainable forest management?   |   |                         |  |
|                        | <input type="radio"/>   | 1 | Yes                     |  |
|                        | <input type="radio"/>   | 2 | No >> Q5                |  |
| Q4.                    | Report the type/name of the area.   |   |                         |  |
|                        |   |   |                         |  |
| Q5.                    | Are there any sites in this community that suffer from environmental contamination?   |   |                         |  |
|                        | <input type="radio"/>   | 1 | Yes                     |  |
|                        | <input type="radio"/>   | 2 | No                      |  |
| Q6.                    | Is there an organization (cooperative, association, etc.) for environmental protection programs?  |   |                         |  |
|                        | <input type="radio"/>   | 1 | Yes                     |  |
|                        | <input type="radio"/>   | 2 | No                      |  |
| Q7.                    | What is the main area of environmental concern in this community? (fill in one <b>circle</b> only)  |   |                         |  |
|                        | <input type="radio"/>   | 1 | Lack of water (drought) |  |
|                        | <input type="radio"/>   | 2 | Floods                  |  |
|                        | <input type="radio"/>   | 3 | Air pollution           |  |
|                        | <input type="radio"/>   | 4 | Soil pollution          |  |
|                        | <input type="radio"/>   | 5 | Water pollution         |  |

|            |   |     |                                       |
|------------|---|-----|---------------------------------------|
|            | <input type="radio"/>   | 6   | Extreme temperature (cold or heat)    |
|            | <input type="radio"/>   | 999 | Other (specify)                       |
|            | <input type="radio"/>   | 0   | None                                  |
| <b>Q8.</b> | What is the most commonly used energy source for cooking in this community?                 |     |                                       |
|            | <input type="radio"/>   | 1   | Electricity                           |
|            | <input type="radio"/>   | 2   | Kerosene                              |
|            | <input type="radio"/>   | 3   | Gas                                   |
|            | <input type="radio"/>   | 4   | Firewood                              |
|            | <input type="radio"/>   | 5   | Charcoal                              |
|            | <input type="radio"/>   | 999 | Other (specify)                       |
| <b>Q9.</b> | What are the 3 main sources of drinking water for this community? (fill in up to 3 circles) |     |                                       |
|            | <input type="radio"/>   | 1   | Piped water - public tap or standpipe |
|            | <input type="radio"/>   | 2   | Piped water - tube well or borehole   |
|            | <input type="radio"/>   | 3   | Dug well – protected                  |
|            | <input type="radio"/>   | 4   | Dug well – unprotected                |
|            | <input type="radio"/>   | 5   | Spring water - protected              |
|            | <input type="radio"/>   | 6   | Spring water - unprotected            |
|            | <input type="radio"/>   | 7   | Rainwater                             |
|            | <input type="radio"/>   | 8   | Tanker-truck                          |
|            | <input type="radio"/>   | 9   | Surface water/river                   |
|            | <input type="radio"/>   | 999 | Other (specify)                       |

| SECTION 4: DISASTERS AND SHOCKS |   |     |   |
|---------------------------------|---|-----|---|
| <b>MIGRATION</b>                |   |     |   |
| <b>Q1</b>                       | Are there any member(s) in this community that have moved away from this community in the last 12 months? |     |   |
|                                 | <input type="radio"/>   | 1   | Yes                                       |
|                                 | <input type="radio"/>   | 2   | No >> Q5                                  |
| <b>Q2</b>                       | How long has it been since these person(s) moved away from this community?                                |     |   |
|                                 | <input type="radio"/>   | 1   | 1 month or less                           |
|                                 | <input type="radio"/>   | 2   | 2-4 months                                |
|                                 | <input type="radio"/>   | 3   | 5-7 months                                |
|                                 | <input type="radio"/>   | 4   | Above 7 months                            |
| <b>Q3</b>                       | What is the main reason why these person(s) moved away from this community?                               |     |   |
|                                 | <input type="radio"/>   | 1   | Fleeing conflict/insecurity               |
|                                 | <input type="radio"/>   | 2   | Due to natural disasters                  |
|                                 | <input type="radio"/>   | 3   | Due to other negative economic shocks     |
|                                 | <input type="radio"/>   | 4   | To look for more/better land to cultivate |
|                                 | <input type="radio"/>   | 5   | To look for better job opportunities      |
|                                 | <input type="radio"/>   | 6   | To look for better business opportunities |
|                                 | <input type="radio"/>   | 7   | Reuniting with family                     |
|                                 | <input type="radio"/>   | 8   | For education                             |
|                                 | <input type="radio"/>   | 9   | For health reasons                        |
|                                 | <input type="radio"/>   | 999 | Other (specify)                           |
| <b>Q4</b>                       | Where have they moved to? (select all that apply)   |     |   |
|                                 | <input type="radio"/>   | 1   | Other communities/place within this LGA   |
|                                 | <input type="radio"/>   | 2   | Another LGA within the same state         |
|                                 | <input type="radio"/>   | 3   | Another state                             |
|                                 | <input type="radio"/>   | 4   | Another country                           |
|                                 | <input type="radio"/>   | 5   | Don't know                                |

|                     |  |     |   |
|---------------------|--|-----|---|
| <b>Q5</b>           | Is there any household/ individual that has moved into this community in the last 12 months      |     |   |
|                     | <input type="radio"/>  | 1   | Yes                                       |
|                     | <input type="radio"/>  | 2   | No >> NEXT SECTION (DISASTERS)            |
| <b>Q6</b>           | How long has it been since the households/ individuals moved to this community                   |     |   |
|                     | <input type="radio"/>  | 1   | 1 month or less                           |
|                     | <input type="radio"/>  | 2   | 2-4 months                                |
|                     | <input type="radio"/>  | 3   | 5-7 months                                |
|                     | <input type="radio"/>  | 4   | Above 7 months                            |
| <b>Q7</b>           | What is the main reason why the households/individuals moved to this community?                  |     |   |
|                     | <input type="radio"/>  | 1   | Fleeing conflict/insecurity               |
|                     | <input type="radio"/>  | 2   | Due to natural disasters                  |
|                     | <input type="radio"/>  | 3   | Due to other negative economic shocks     |
|                     | <input type="radio"/>  | 4   | Looking for more/better land to cultivate |
|                     | <input type="radio"/>  | 5   | Looking for better job opportunities      |
|                     | <input type="radio"/>  | 6   | Looking for better business opportunities |
|                     | <input type="radio"/>  | 7   | Reuniting with family                     |
|                     | <input type="radio"/>  | 8   | For education                             |
|                     | <input type="radio"/>  | 9   | For health reasons                        |
|                     | <input type="radio"/>  | 999 | Other reason (Specify)                    |
| <b>Q8</b>           | Where did they move from? (select all that apply)  |     |   |
|                     | <input type="radio"/>  | 1   | Other communities/place within this LGA   |
|                     | <input type="radio"/>  | 2   | Another LGA within the same state         |
|                     | <input type="radio"/>  | 3   | Another state                             |
|                     | <input type="radio"/>  | 4   | Another country                           |
|                     | <input type="radio"/>  | 5   | Don't know                                |
| <b>II DISASTERS</b> |  |     |   |
| <b>Q1a.</b>         | Did this community suffer from any natural extreme events or disasters in the past 3 years?      |     |   |
|                     | <input type="radio"/>  | 1   | Yes                                       |
|                     | <input type="radio"/>  | 2   | No >> NEXT SECTION                        |
| <b>Q1b</b>          | How many times was this community affected by [DISASTER] in the past 3 years? IF NEVER, RECORD 0 |     | Number                                    |

|   |  |                                     |   |
|---|--|-------------------------------------|---|
|   | 1  | Drought                             |   |
|   | 2  | Flood                               |   |
|   | 3  | Heavy rainfall that wreaked havoc   |   |
|   | 4  | Extreme winds                       |   |
|   | 5  | Extreme temperatures (cold or heat) |   |
|   | 6  | Fire Disaster                       |   |
|   | 999  | Other (specify)                     |   |
| <b>FOR ALL DISASTERS WITH &gt;0 IN Q1B, ASK THE FOLLOWING QUESTIONS FOR EACH TYPE</b> |  |                                     |   |
| <b>Q2.</b>  | Which of the following were the human impacts on this community from the [DISASTER] (fill in all that apply)   |                                     |   |
|   | <input type="radio"/>  | 1                                   | People killed                               |
|   | <input type="radio"/>  | 2                                   | People hospitalized                         |
|   | <input type="radio"/>  | 3                                   | People rendered homeless (Homes destroyed)  |
|   | <input type="radio"/>  | 4                                   | People displaced (fled the community/area)  |
|   | <input type="radio"/>  | 999                                 | Other (specify)                             |
| <b>Q3.</b>  | Which of the following economic impacts was experienced by this community inhabitants as a result of the [DISASTER] (fill in all that apply)               |                                     |   |
|   | <input type="radio"/>  | 1                                   | Loss of revenue                             |
|   | <input type="radio"/>  | 2                                   | Loss due to disruption of production        |
|   | <input type="radio"/>  | 999                                 | Other economic impacts (specify)            |
|   | <input type="radio"/>  | 0                                   | No or little economic impact >> Q5          |
| <b>Q4</b>   | How severe was the overall economic impact on the community related to the [DISASTER] experienced during the past 3 years (Fill in <b>one circle</b> only) |                                     |   |
|   | <input type="radio"/>  | 1                                   | Small losses/ Not severe                    |
|   | <input type="radio"/>  | 2                                   | Significant losses / Moderately severe      |
|   | <input type="radio"/>  | 3                                   | Almost total or total losses /Highly severe |
| <b>Q5.</b>  | Which of the following physical impacts did farmers in the community suffer as a result of the [DISASTER] in the past 3 years? (fill in all that apply)    |                                     |   |
|   | <input type="radio"/>  | 1                                   | Farm land area lost                         |
|   | <input type="radio"/>  | 2                                   | Crop losses                                 |
|   | <input type="radio"/>  | 3                                   | Livestock losses                            |
|   | <input type="radio"/>  | 4                                   | Aquaculture losses                          |

|            |  |     |  |
|------------|--|-----|--|
|            | <input type="radio"/>  | 5   | Biomass losses                             |
|            | <input type="radio"/>  | 6   | Building damages or losses                 |
|            | <input type="radio"/>  | 999 | Other physical losses (specify)            |
|            | <input type="radio"/>  | 0   | No physical impacts >> NEXT SECTION        |
| <b>Q6.</b> | How severe were these physical losses in this community related to the [DISASTER] experienced during the past 3 years? (fill in one circle only) |     |  |
|            | <input type="radio"/>  | 1   | Small losses/ Not severe                   |
|            | <input type="radio"/>  | 2   | Significant losses/ Moderately severe      |
|            | <input type="radio"/>  | 3   | Almost total or total losses/Highly severe |

| SECTION 5: COMMUNITY INFRASTRUCTURE AND TRANSPORTATION |                                 |                                     |               |   |  |   |  |   |               |   |
|--|---------------------------------|-------------------------------------|---------------|---|--|---|--|---|---------------|---|
|  |                                 | 1.                                  |               | 2.  | 3.   | 4.  | 5.   | 6.  |               | 7.  |
| CODE   |                                 | Is there a [...] in this community? |               | Even though there is no [...] in the community, does this community have access to a [...]? | How many days <u>per week</u> do members of this community have access to [...]? | How far is the closest [...] from the centre of this community?<br><br>IF DON'T KNOW<br>CLOSEST [...],<br>RECORD 999<br>AND ► NEXT ITEM | What means of transportation is most frequently used to visit [...]?<br><br>WALKING . . . 1<br>MULE/DONKE . 2<br>BICYCLE . . . 3<br>CAR/MOTORCYCLE . 4<br>BUS/MINI-BUS . . 5<br>TAXI . . . . . 6<br>BOAT . . . . . 7<br>OTHER<br>(SPECIFY) . 999 | How much time does it take to go to [...] via [Q5]? |               | Does [...] have electricity?<br><br>YES . 1<br>NO . . . 2 |
|  |                                 | YES . 1 >> Q3<br>NO . . . 2         |               |   |  |   |  | YES . . 1<br>NO . . . 2 >><br>NEXT ITEM             | DAYS PER WEEK |   |
|  |                                 |                                     | <b>SCHOOL</b> |   |  |   |  |   |               |   |
| 201  | Nursery                         |                                     |               |   |  |   |  |   |               |   |
| 202  | Primary (public or private)     |                                     |               |   |  |   |  |   |               |   |
| 204  | Secondary (public or private)   |                                     |               |   |  |   |  |   |               |   |
|  | <b>HEALTH</b>                   |                                     |               |   |  |   |  |   |               |   |
| 207  | Hospital                        |                                     |               |   |  |   |  |   |               |   |
| 209  | Private clinic                  |                                     |               |   |  |   |  |   |               |   |
| 213  | Pharmacy                        |                                     |               |   |  |   |  |   |               |   |
|  | <b>TRANSPORT/COMMUNICATIONS</b> |                                     |               |   |  |   |  |   |               |   |

|     |                          |  |  |  |  |  |  |  |  |  |
|-----|--------------------------|--|--|--|--|--|--|--|--|--|
| 214 | Cell phone distributor   |  |  |  |  |  |  |  |  |  |
| 215 | Post office              |  |  |  |  |  |  |  |  |  |
| 216 | Bus/Minibus stop         |  |  |  |  |  |  |  |  |  |
| 217 | Main access road         |  |  |  |  |  |  |  |  |  |
| 218 | Internet café            |  |  |  |  |  |  |  |  |  |
|     | <b>OTHER PLACES</b>      |  |  |  |  |  |  |  |  |  |
| 219 | Bank (formal sector)     |  |  |  |  |  |  |  |  |  |
| 220 | Microfinance institution |  |  |  |  |  |  |  |  |  |
| 221 | Police station           |  |  |  |  |  |  |  |  |  |
| 222 | Food Market for purchase |  |  |  |  |  |  |  |  |  |
| 223 | Mosque or Church         |  |  |  |  |  |  |  |  |  |
| 225 | Fire station             |  |  |  |  |  |  |  |  |  |

## SECTION 6: COMMUNITY ORGANIZATIONS

|       |  | 1  | 2.   | 3.  | 4.   | 5.   | 6.  |
|-------|--|--|--|---|--|--|---|
|       |  | <p>Does [GROUP] exist in this community?</p> <p>ASK FOR EACH GROUP BEFORE ASKING THE FOLLOWING QUESTIONS ON THOSE THAT EXIST IN THE COMMUNITY.</p> <p><b>YES . 1</b><br/><b>NO . . . 2 (►NEXT GROUP)</b></p> | How many [GROUP]s are there in this community? | <p>How many members from this community does the [GROUP] have?</p> <p>REFERS NOT ONLY TO EXECUTIVE MEMBERS BUT OVERALL MEMBERSHIP.</p> <p>IF MORE THAN ONE GROUP EXISTS, ASK ABOUT THE ONE WITH THE LARGEST NUMBER OF MEMBERS IN THE COMMUNITY.</p> | <p>How often do members of this [GROUP] meet?</p> <p><b>MONTHLY . . . . . 2</b><br/><b>QUARTERLY . . . . . 3</b><br/><b>SEMI-ANNUALLY . . . . 4</b><br/><b>ANNUALLY . . . . . 5</b><br/><b>OTHER (SPECIFY) . . 999</b></p> | How many female members from this community does the [GROUP] have? | How many members under the age of 30 from this community does the [GROUP] have? |
| GROUP |  |  | NUMBER   | NUMBER  |  | NUMBER   | NUMBER  |
| 301   | Village Development Committee                                      |  |  |   |  |  |   |
| 302   | Agricultural Coop/Farmer Based Org (FBO)                           |  |  |   |  |  |   |
| 303   | Savings & Credit Coop  |  |  |   |  |  |   |
| 304   | Business Assoc.  |  |  |   |  |  |   |
| 305   | Women's Group  |  |  |   |  |  |   |
| 306   | Youth Group  |  |  |   |  |  |   |
| 307   | Non-Governmental Organizational (NGO)                              |  |  |   |  |  |   |
| 308   | Community Police/watch group                                       |  |  |   |  |  |   |
| 309   | Water Users Association  |  |  |   |  |  |   |
| 310   | Parent Teacher Association   |  |  |   |  |  |   |
| 311   | Other (Specify) (Incl. health, school committee, disabled          |  |  |   |  |  |   |
| 308   | Community Police/Watch Group                                       |  |  |   |  |  |   |
| 309   | Water Users Association  |  |  |   |  |  |   |
| 310   | Parent Teacher Association   |  |  |   |  |  |   |
| 311   | Other (Specify) (incl. health, school committees, disabled assoc.) |  |  |   |  |  |   |

**SECTION 7: COMMUNITY RESOURCES MANAGEMENT**

|                                  |   |   |  |   |            |            |   |            |            |
|----------------------------------|---|---|--|---|------------|------------|---|------------|------------|
|                                  | <b>1.</b><br>Does this community have any communal [RESOURCE]?<br><br>YES.....1<br>NO.....2<br>(► NEXT RESOURCE)<br>) | <b>2.</b><br>Is this community able to determine independently the rules of access and use of its communal [RESOURCE]?<br><br>YES.....1<br>NO.....2 | <b>3.</b><br>Is this communal [RESOURCE] recognized by the traditional authorities?<br><br>YES....1<br>NO....2 | <b>4.</b><br>What forms of restriction does the community place on its members regarding access and use of communal [RESOURCE]?<br>READ RESPONSES.<br>LIST UP TO 3 IN ORDER OF IMPORTANCE.<br><br>Time restrictions.....1<br>Limitations on number of users at a given time.....2<br>Rotation among groups of families.....3<br>No restrictions.....4<br>Other (Specify) .....999 |            |            | <b>5.</b><br>How does this community ensure compliance with use rules for communal [RESOURCE] among its members?<br>LIST UP TO 3 IN ORDER OF IMPORTANCE.<br><br>FINE.....1<br>CONFISCATION OF TOOLS/PRODUCTS.....2<br>TAKING AWAY [RESOURCE] USE RIGHTS.....3<br>RELIGIOUS SANCTIONS...4<br>SOCIAL SANCTIONS....5<br>PHYSICAL PUNISHMENT...6<br>DISCRIMINATION AT FUTURE HANDOUTS (BENEFIT)...7<br>DO NOTHING.....8<br>OTHER (SPECIFY) .....999 |            |            |
| <b>RESOURCE</b>                  |   |   |  | <b>1ST</b>  | <b>2ND</b> | <b>3RD</b> | <b>1ST</b>  | <b>2ND</b> | <b>3RD</b> |
| Arable Land                      |   |   |  |   |            |            |   |            |            |
| Forest                           |   |   |  |   |            |            |   |            |            |
| Pasture                          |   |   |  |   |            |            |   |            |            |
| River/stream                     |   |   |  |   |            |            |   |            |            |
| Lake/pond                        |   |   |  |   |            |            |   |            |            |
| Area under water for aquaculture |   |   |  |   |            |            |   |            |            |
| Other (Specify)_____             |   |   |  |   |            |            |   |            |            |

## SECTION 8: LAND PRICES AND CREDIT

|     |   |
|-----|---|
| 1a. | In this community, how much does it cost to buy one acre of agricultural land where the household/individual would have formal rights (i.e. holding a Certificate of Occupancy-C of O, Right of Occupancy-R of O, or Community Certificate of Occupancy-C C of O) to the land? (NAIRA)<br><br>IF NOT PRACTICED IN COMMUNITY, RECORD -98 |
| 1b. | In this community, how much does it cost to buy one acre of agricultural land where the household/individual would have <b>no</b> formal rights (i.e. without holding a C of O, R of O, and C C of O) to the land? (NAIRA)<br><br>IF NOT PRACTICED IN COMMUNITY, RECORD -98   |
| 1c. | In this community, how much does it cost to rent one acre of agricultural land for one year? (NAIRA)<br><br>IF NOT PRACTICED IN COMMUNITY, RECORD -98   |
| 1d. | In this community, what proportion of harvested crop is usually given to a landowner for sharecropping lands/plots?<br><br>IF NOT PRACTICED IN COMMUNITY, RECORD -98  |

**Now I would like to ask you questions about how land is used in this community and how households acquire access or rights to land.**

| TENURE CODE | 1.<br><br>Do households in this community [TENURE TYPE]<br><br>TYPES OF TENURE                                   | 2.<br><br>What is the proportion of households in this community who [TENURE TYPE]?<br><br>More than half the households.....1<br>Half the households. .... .2<br>Less than half the households.....3 | 3.<br><br>Do women in this community also [TENURE TYPE]?<br><br>YES....1<br>NO....2 |
|-------------|--|---|---|
|             |  |   |   |
| A           | ... enjoy property rights to their own plots?  |   |   |
| B           | ...have plots that they practiced farming activities on for more than 10 years without any land title documents? |   |   |
| C           | ...exploit plots that are owned in common by either the community or their family?                               |   |   |
| D           | ... allow others to use their land for a fixed price or a certain percentage of the harvest?                     |   |   |
| E           | ...rent land from others for a fixed price or a certain percentage of the harvest?                               |   |   |
| F           | ...have the right to sell land?  |   |   |
| G           | ... typically inherit land and/or pass on land when they die?  |   |   |

| Now I would like to ask you questions about how people in this community obtain credit for agricultural activities. |   |   |  |   |  |
|---|---|---|--|---|--|
|   | 5.  |   | 6.   | 7.  |  |
|   | Do individuals in this community borrow money from [CREDIT SOURCE]? |   | Is collateral required for these loans from [CREDIT SOURCE]? | Do women have access to these loans from [CREDIT SOURCE]? |  |
|   |   | YES....1<br>NO....2 (►<br>NEXT<br>ITEM) | YES....1<br>NO....2  | YES....1<br><br>NO....2                                   |  |
|   | <b>CREDIT SOURCE</b>  |   |  |   |  |
| A   | Formal banks  |   |  |   |  |
| B   | Cooperatives  |   |  |   |  |
| C   | Informal savings groups (esusu, adashi, etc.)                       |   |  |   |  |
| D   | Moneylenders  |   |  |   |  |
| E   | Others (specify)  |   |  |   |  |

**SECTION 9: COMMUNITY KEY EVENTS**

|  |  | 1.  | 2.                                 | 3.   |
|--|--|---|------------------------------------|--|
|  | Please describe important events that have taken place in this community since <b>[THREE YEARS AGO]</b> including any events that have occurred this year. We are specifically interested in events that have changed the well-being of people in this community for better. Examples of events that may have made people better off are new schools or medical facilities, new employment opportunities, or the construction of a new road or other development projects. | Which of the following events have taken place in this community in the last three years? | In what year did this event occur? | What proportion of this community was affected?  |
|  | DESCRIPTION  | Yes=1<br>No=2 ► <b>Next Event</b>   | YEAR                               | 1.10% and below<br>2.11% - 20%<br>3.21% - 30%<br>4.31% - 40%<br>5.41% - 50%<br>6.Above 50% |

**EVENTS THAT MADE PEOPLE BETTER OFF**

|    |                                  |  |  |  |
|----|----------------------------------|--|--|--|
| 1  | DEVELOPMENT PROJECT              |  |  |  |
| 2  | NEW EMPLOYMENT OPPORTUNITY       |  |  |  |
| 3  | NEW HEALTH FACILITY              |  |  |  |
| 4  | NEW ROAD                         |  |  |  |
| 5  | NEW SCHOOL                       |  |  |  |
| 6  | IMPROVED TRANSPORTATION SERVICES |  |  |  |
| 7  | NEW ON-GRID ELECTRICITY          |  |  |  |
| 8  | NEW OFF-GRID ELECTRICITY         |  |  |  |
| 9  | NEW IRRIGATION FACILITY          |  |  |  |
| 10 | OTHER GOOD EVENT (SPECIFY)       |  |  |  |

| SECTION 10: LABOUR   |  |  |  |   |  |   |
|--|--|--|--|---|--|---|
| 1m. Do male farmers in this community hire labourers to work in their fields?  |  | YES.....1 ► ANSWER MALE FARMERS MODULE<br>NO.....2<br>FARMING NOT PRACTICED IN COMMUNITY...-91 ► to end <input type="checkbox"/><br>MEN DO NOT FARM IN COMMUNITY.....-92 |  |   |  |   |
| 1f. Do female farmers in this community hire labourers to work in their fields?  |  | YES.....1 ► ANSWER FEMALE FARMERS MODULE<br>NO.....2<br>WOMEN DO NOT FARM IN COMMUNITY.....-92 ► to end <input type="checkbox"/>   |  |   |  |   |
| MALE FARMERS   |  |  |  |   |  |   |
| 2m. Do the workers hired by male farmers to work on their plots come from this community, outside this community, or both?   |  | WITHIN COMMUNITY....1<br>OUTSIDE COMMUNITY...2<br>BOTH.....3   |  |   |  |   |
| 3m. What is the main crop cultivated by male farmers in this community?  |  |  |  |   |  |   |
| FOR AGRICULTURAL LABOUR, PREPARING FIELD AND APPLYING FERTILIZER, AND WEEDING ARE NOT CROP SPECIFIC, WHILE RESPONSES FOR <u>PLANTING</u> , <u>HARVESTING</u> AND <u>PROCESSING</u> ARE CROP SPECIFIC. FOR THESE ACTIVITIES RECORD TO WHICH CROP THE LABOUR PERTAINS. | 4m.  | 5m.  | 6m.  | 7m.   | 8m.  | 9m.   |
|  | Do male farmers in this community hire men to [...]? | How much is a man paid by day to [...] on the plots of male farmers?   | Do male farmers in this community hire women to [...]? | How much is a woman paid per day to [...] on the plots of male farmers? | Do male farmers in this community hire children under 15 to [...]? | How much is a child paid per day to [...] on the plots of male farmers? |
|  | Yes ...1<br>No...2<br>(► Q6m)                        |  | Yes ...1<br>No.2 (► Q8m)                               |   | Yes ...1<br>No...2 (► NEXT ACTIVITY)                               |   |
| ACTIVITY   |  | NAIRA  |  | NAIRA   |  | NAIRA   |
| Clearing fields  |  |  |  |   |  |   |
| Preparing fields   |  |  |  |   |  |   |
| Applying Fertilizer/ Pesticide/Herbicide   |  |  |  |   |  |   |
| Weeding  |  |  |  |   |  |   |
| Planting   |  |  |  |   |  |   |
| Harvesting   |  |  |  |   |  |   |
| Processing   |  |  |  |   |  |   |
| FEMALE FARMERS   |  |  |  |   |  |   |



## Annex 5: Community survey statistical tables

The following list of tables from the community survey are available under the link provided below:

***(NBS: Please provide the link for the tables)***

- Table 1. Crop activities practiced in the community in the past 12 months
- Table 2. Livestock activities practiced in the community in the last 12 months
- Table 3. Fishery activities practiced in the community in the past 12 months
- Table 4. Agroprocessing activities practiced in the community
- Table 5. Agricultural facilities currently available in the community
- Table 6. Agricultural processing facilities currently available in the community
- Table 7. Availability and sources of electricity in the community
- Table 8. Share of total farmland in the community affected by degradation/decrease in soil fertility in the past three years, share of farmland degraded compared to 3 years ago
- Table 9. Share of total farmland in the community affected by desertification in the past 3 years, share of farmland affected by desertification compared to three years ago
- Table 10. Share of total farmland in the community abandoned in the past three years, share of farmland abandoned compared to three years ago
- Table 11. Top three (3) reasons for land abandonment in the past three years
- Table 12. Availability of any land under irrigation, Irrigation facilities in the community in good working condition
- Table 13. Location of nearest market where farmers sell their goods
- Table 14. Input and technical support services available in the community, Location of nearest services
- Table 15. Sources of agricultural credit available to members of the community
- Table 16. Three (3) main causes of conflict in the community in the past three years
- Table 17. Frequency of conflicts in the community
- Table 18. Difficulties related to crop production faced by farmers in the last three years
- Table 19. Difficulties related to livestock production faced by farmers in the last three years
- Table 20. Difficulties related to fishing and aquaculture faced by fishermen or fish farmers in the community in the past three years
- Table 21. Crop activities practiced in the community in the past 12 months
- Table 22. Usage of antibiotics drugs, growth hormones and traditional medicine, Reasons for application of traditional medicine to livestock by farmers
- Table 23. Problem of insufficient livestock feed encountered in the past 12 months, Months problems of feed were encountered to livestock by farmers
- Table 24. Main source of water for watering livestock by farmers
- Table 25. Problem encountered in watering livestock in the past 12 months, Months in which watering problems were encountered, Main problems encountered in watering livestock in the community in the past 12 months

Table 25. Problem encountered in watering livestock in the past 12 months, Months in which watering problems were encountered, Main problems encountered in watering livestock in the community in the past 12 months

Table 26. Disposal methods for deceased animals

Table 27. Locations for livestock grazing/eating grass

Table 28. Pastoral or Nomadic livestock activity and practices

Table 29. Community environment, including officially protected areas, preserved areas, forests or wooded lands, and environmental contamination and concerns

Table 30. Cooking energy and drinking water sources

Table 31. Community member movement - out of the community

Table 32. Community member movement - into the community

Table 33. Disasters experienced in the community

Table 34\_1. Drought - Disasters experienced in the community

Table 34\_2. Flood - Disasters experienced in the community

Table 34\_3. Heavy rainfall - Disasters experienced in the community

Table 34\_4. Extreme Winds - Disasters experienced in the community

Table 34\_5. Extreme temperatures (cold or heat) - Disasters experienced in the community

Table 34\_6. Fire Disaster - Disasters experienced in the community

Table 35\_1. Nursery - Community Infrastructure, by infrastructure type, availability and access

Table 35\_2. Primary school (government or private) - Community Infrastructure, by infrastructure type, availability and access

Table 35\_3. Secondary school (government or private) - Community Infrastructure, by infrastructure type, availability and access

Table 35\_4. Hospital - Community Infrastructure, by infrastructure type, availability and access

Table 35\_5. Private clinic - Community Infrastructure, by infrastructure type, availability and access

Table 35\_6. Pharmacy - Community Infrastructure, by infrastructure type, availability and access

Table 35\_7. Cell phone distributor - Community Infrastructure, by infrastructure type, availability and access

Table 35\_8. Post office - Community Infrastructure, by infrastructure type, availability and access

Table 35\_9. Bus/Minibus stop - Community Infrastructure, by infrastructure type, availability and access

Table 35\_10. Main access road - Community Infrastructure, by infrastructure type, availability and access

Table 35\_11. Internet cafe - Community Infrastructure, by infrastructure type, availability and access

Table 35\_12. Bank (formal sector) - Community Infrastructure, by infrastructure type, availability and access

Table 35\_13. Microfinance institution - Community Infrastructure, by infrastructure type, availability and access

Table 35\_14. Police station - Community Infrastructure, by infrastructure type, availability and access

Table 35\_15. Food market for purchase - Community Infrastructure, by infrastructure type, availability and access

Table 35\_16. Mosque or Church - Community Infrastructure, by infrastructure type, availability and access

Table 35\_17. Fire station - Community Infrastructure, by infrastructure type, availability and access

Table 36. Community Organizations

Table 37\_1. Village Development Committee - Community Organizations - number and membership

Table 37\_2. Agricultural Coop/Farmer Based Org (FBO) - Community Organizations - number and membership

Table 37\_3. Savings & Credit Coop - Community Organizations - number and membership

Table 37\_4. Business Association - Community Organizations - number and membership

Table 37\_5. Women's Group - Community Organizations - number and membership

Table 37\_6. Youth Group - Community Organizations - number and membership

Table 37\_7. NGO - Community Organizations - number and membership

Table 37\_8. Community Watch Group/Vigilante - Community Organizations - number and membership

Table 37\_9. Water Use Association - Community Organizations - number and membership

Table 37\_10. Parents Teachers Association - Community Organizations - number and membership

Table 37\_10. Parents Teachers Association - Community Organizations - number and membership

Table 38. Community Resource Management

Table 39\_1. Arable Land - Community Resource Management, by type of resource

Table 39\_2. Forest - Community Resource Management, by type of resource

Table 39\_3. Pasture - Community Resource Management, by type of resource

Table 39\_4. River/stream - Community Resource Management, by type of resource

Table 39\_5. Lake/pond - Community Resource Management, by type of resource

Table 39\_6. Area under water for aquaculture - Community Resource Management, by type of resource

Table 39\_7. Other (specify) - Community Resource Management, by type of resource

Table 40a. Land and Rental Costs

Table 40b. Land and Rental Costs, Urban versus Rural communities

Table 41. Proportion of harvested crop usually given to landowners on sharecropping land/plots

Table 42. Land use access/rights (All)

Table 43. Land use and access/rights with respect to women

Table 44. Credit and collateral requirements for loans

Table 45. Credit access level for women by zone

Table 46. Community Events

Table 47\_1. Development Project - Community Events, by event type, years of occurrence and impact

Table 47\_2. New Employment Opportunity - Community Events, by event type, years of occurrence and impact

Table 47\_3. New Health Facility - Community Events, by event type, years of occurrence and impact

Table 47\_4. New Road - Community Events, by event type, years of occurrence and impact

Table 47\_5. New School - Community Events, by event type, years of occurrence and impact

Table 47\_6. Improved Transportation Services - Community Events, by event type, years of occurrence and impact

Table 47\_7. New On-Grid Electricity - Community Events, by event type, years of occurrence and impact

Table 47\_8. New Off-Grid Electricity - Community Events, by event type, years of occurrence and impact

Table 47\_9. New Irrigation Facility - Community Events, by event type, years of occurrence and impact

Table 47\_10. Other Good Event (Specify) - Community Events, by event type, years of occurrence and impact

Table 48. Do male/female farmers in the community hire labor to work on farm?

Table 49. Location of workers hired by males/females to work on their plots

Table 50. Activities that male/female farmers hired labourers to do on farm

Table 51. Do male/female farmers hire men/women/children for the listed activities?

Table 52. Amount paid per day by male/female farmers to men, women and children hired to work on their farms

Table 53. For cultivated crop plots, which activities do male farmers hire laborers for?

Table 54. Amount of payment by activities

Table 55. Do male/female farmers hire men/women/children for the listed activities?