



NATIONAL AGRICULTURAL SAMPLE SURVEY 2022/2023



THE WORLD BANK

Foreword

The National Agricultural Sample Survey (NASS) is an annual survey conducted by the National Bureau of Statistics (NBS) in collaboration with the Federal Ministry of Agriculture and Food Security (FMAFS). It is aimed at filling the gaps that exist in agricultural data in Nigeria.

The NASS provides essential data that helps in delivering insights into the agricultural sector, supporting evidence-based planning and implementation of agricultural programmes.

As a key driver of economic growth in Nigeria, agriculture requires consistent, reliable, and up-to-date data. In this regard, the NASS for the 2022/2023 agricultural year was conducted to facilitate efficient policy formulation which is geared towards

improving the livelihoods of large population of Nigerians involved in agricultural activities.

Despite the security challenges faced by the country, the survey recorded a wide national coverage of the 36 states and FCT showcasing the potentials in crop, fisheries, livestock and forest production. It is hoped that the effective utilization of the NASS report will encourage sustainable agricultural practices, enhance agricultural production, promote food security, and foster wealth creation in Nigeria.

Sen. Abubakar Kyari, CON

Honourable Minister,

Ministry of Agriculture and Food Security

Preface

Agriculture is central to the growth of Nigeria's economy, contributing significantly to employment, food security, and the Gross Domestic Product (GDP). The industry provides much-needed job opportunities and export revenue that are necessary for the economy's long-term growth and development. However, issues like poor infrastructure, climate change, and inadequate data pose challenges to creating and implementing effective policies. Given the importance of the sector, it is essential to have reliable data to address the various challenges faced by stakeholders within the agricultural value chain.

As part of efforts to consistently deliver on the Bureau's mandate, the National Bureau of Statistics, in collaboration with key development partners, including the Federal Ministry of Agriculture and Food Security (FMAFS), Food and Agriculture Organization (FAO), and the World Bank (WB) conducted the NASS 2022/23 exercise. The survey provides robust insights into crop, livestock, fisheries, and forest activities, and their farm-gate prices. Data was collected at household level across the 36 states and the Federal Capital Territory (FCT).

The survey was designed to address a wide range of contemporary issues, including climate change impacts, food security, and economic diversification efforts. Hence, the results of the National Agricultural Sample Survey (NASS) 2022/23 are timely and critical to provide direction and bridge existing data gaps in the nation's agricultural landscape. The information gathered will assist policymakers and other important players in developing plans that would support sustainable agriculture, lessen regional inequality, and enhance the quality of life for millions of Nigerians.

In addition, the Sustainable Development Goals (SDGs) and other international commitments as well as national agricultural policy could be tracked using this report. More specifically, the data generated will guide policies and initiatives that aim to increase productivity, reduce food insecurity, and tackle new issues like insecurity, market volatility, and the economic recovery following the COVID-19 epidemic.

I want to thank the technical team drawn from the Bureau, Ministry of Agriculture and Food Security, and our development partners – the World Bank (WB) and Food and Agriculture Organization (FAO), whose contributions and support have made this laudable project possible. We are confident that the findings of this survey will have a big impact on Nigeria's agricultural policies and initiatives to improve productivity, food security, and sustainable development.

Prince Adeyemi Adeniran

Statistician-General of the Federation/CEO

November 2024



Acknowledgements

The successful completion of the National Agricultural Sample Survey (NASS) 2022/2023 was achieved through the dedicated collaboration of the National Bureau of Statistics (NBS), the Federal Ministry of Agriculture and Food Security (FMAFS), the Food and Agriculture Organization (FAO), and the World Bank. We extend our heartfelt appreciation to these organizations for their unwavering commitment to producing high-quality agricultural data. Their combined efforts have been invaluable in ensuring the production of reliable data which will serve as a critical resource for informed decision-making, helping to drive forward the growth and sustainability of Nigeria's agricultural sector.

I am particularly grateful to the Honourable Minister of Agriculture and Food Security, Sen. Abubakar Kyari CON and Honourable Minister of State for Agriculture and Food Security, Sen. Aliyu Abdullahi CON, for their adept commitment and guidance throughout the entire process of data production.

My appreciation also goes to the Honourable Minister of Budget and Economic Planning, H.E Sen. Abubakar Atiku Bagudu CON, whose steadfast support and encouragement have been invaluable to the work of the bureau. His commitment to advancing reliable data-driven insights has been instrumental in facilitating the success of this survey.

My profound gratitude also goes to Prince Adeyemi Adeniran, the Statistician General of the Federation/CEO of National Bureau of Statistics for his remarkable leadership, vision, and consistent guidance throughout each phase of this survey. His dedication to maintaining high standards of accuracy and transparency has ensured the survey's integrity, allowing us to produce comprehensive and reliable data.

I want to also seize this opportunity to express my profound gratitude to FAO team led by Mr. Seid Yakob Mudesir, Georgieva Mihaylova Neli, Omiat George, Missiroli Sylvia and Amsata Niang, for their technical assistance throughout the survey. Sincere gratitude to the World Bank team through the FGIP project for their unflinching financial and technical support.

Finally, I acknowledge the tremendous efforts and support of the management staff of the bureau throughout the period of the survey. The contributions of field personnel, technical committee members, report writers and reviewers involved in conducting and processing data for this survey cannot be overstated. I acknowledge their hard work and commend the dedication of our teams in ensuring thorough and accurate data collection across the country.

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Acronyms and Abbreviations

CAPI	<i>Computer Assisted Personal Interviewing</i>
EA	<i>Enumeration Area</i>
LGA	<i>Local Government Area</i>
FAO	<i>Food and Agriculture Organization of the United Nations</i>
FMAFS	<i>Federal Ministry of Agriculture and Food Security</i>
GDP	<i>Gross Domestic Product</i>
NASS	<i>National Agricultural Sample Survey</i>
NBS	<i>National Bureau of Statistics</i>
NPC	<i>National Population Commission</i>

Executive Summary

The National Bureau of Statistics (NBS) in collaboration with the Federal Ministry of Agriculture and Food Security (FMAFS), Food and Agriculture Organization (FAO), and the World Bank conducted the National Agricultural Sample Survey (NASS) 2022/2023 on agricultural production covering crops, livestock, fishery, and forestry activities.

The survey aims to (i) provide data on agricultural production in 2022/2023 and the structure of the sector as a whole to assist the government in policy formulation and programme planning; (ii) effectively and efficiently provide appropriate agricultural information to increase public awareness; and (iii) provide data that could be used to compute agricultural sector contribution to the Gross Domestic Product (GDP).



The comprehensive list of agricultural households generated during the National Agricultural Sample Census (NASC) was used as a master sample for the National Agricultural Sample Survey (NASS). The NASS exercise covered the 36 States of the Federation and the Federal Capital Territory. It was conducted at the household level. The LGAs covered during the survey were seven hundred and sixty-seven (767) out of the 774 LGAs in Nigeria due to security challenges (4 in Imo and 3 in Borno states were not covered).

The survey findings show that during the major season of the 2022/2023 Agricultural year, cassava had the largest quantities harvested with 21.90 billion kg, followed by yam with 18.70 billion kg, maize with 17.35 billion kg, and rice with 13.04 billion kg, while the least crop harvested was coconut with 12.63 million kg. However, during the minor season, onion was the most harvested crop with 2.67 billion kg, followed by tomato with 2.25 billion kg, rice with 1.44 billion kg, and sugarcane with 887.08 million kg, while melon recorded the least with 10.95 million kg.

Furthermore, the total livestock population stood at 273.80 million animals across the country. Goats recorded the highest with 138.95 million, followed by sheep with 64.93 million and cattle with 54.81 million, while horses had the least with 74,268.

Nationally, out of a total of 683.68 million poultry raised, chickens (exotic & local) ranked top with 642.94 million, followed by guinea fowls with 18.55 million, ducks with 12.27 million while the least was geese with 225,700.

Analysis of fish production and products which includes aquaculture and hunting shows that the quantity of catfish collected was highest with 26.77 billion kg, followed by carp with 2.00 billion kg, Tilapia with 1.01 billion kg, while prawn recorded the least with 1.48 million kg.

In addition, firewood was the most collected forest product at 19.63 billion kg. This was followed by rocks, stone, and mud with 788.06 million kg, and sand with 654.32 million kg. On the other hand, grasscutter/bushmeat recorded the least with 210,834 kg.

Introduction



1.1 Background

Agriculture is a cornerstone of Nigeria's economy, contributing significantly to employment, food security, and the Gross Domestic Product (GDP). The sector is essentially identified as offering much-needed employment opportunities and export earnings required for sustainable growth and the development of the economy, therefore, understanding its structure is essential for economic planning and growth.

However, the sector faces challenges such as inadequate infrastructure, climate change, and inconsistent data, which hinder effective policy formulation and intervention. To address these existing data gap in Nigeria's agricultural landscape and strengthen the agricultural value chain, the National Bureau of Statistics (NBS), in collaboration with Federal Ministry of Agriculture and Food Security (FMAFS), Food and Agriculture Organization (FAO), and the World Bank conducted the National Agricultural Sample Survey (NASS) on all agricultural activities in the country at the household level, capturing crop production, fishery, forestry, livestock activities, and farmgate prices.

Accurate and up-to-date agricultural statistics allow policymakers, researchers, and development partners to make informed decisions that directly impact the well-being of farmers, rural communities, and the broader economy. Additionally, robust agricultural data is vital in supporting Nigeria's efforts to diversify its economy from oil dependency by identifying key areas for investment such as crop production, livestock management, and agro-processing. Moreover, it helps track progress toward national goals while supporting Nigeria's efforts to meet global commitments like the Sustainable Development Goals (SDGs).

1.2 Justification

Nigeria has historically struggled with producing adequate and timely agricultural statistics. This longstanding issue has hindered progress and development strategies in the sector.

Inadequate data on the agricultural sector in Nigeria impedes effective decision-making for government policies and programmes aimed at promoting agricultural growth and sustainability. Hence, NASS provides useful data for understanding the state of the agricultural sector and offer essential production and structural data to support evidence-based planning and implementation of agricultural programmes vital for addressing current economic challenges and enhancing the livelihood of many Nigerians.

This survey is essential for monitoring and evaluating the effectiveness of existing agricultural programmes and ensuring that resources are allocated efficiently.

The survey supports the planning and implementation of initiatives aimed at improving productivity, enhancing food security by capturing detailed data on agricultural practices, outputs, challenges, and adapting to challenges like climate change and market fluctuations.

The survey findings will strengthen Nigeria's agricultural competitiveness on the global stage. Accurate agricultural statistics will enable the identification of potential crops and commodities for export, supporting efforts to diversify the economy away from oil dependency.



1.3 Objectives

The objectives of the survey are to:

- i. provide data on agricultural production in 2022/ 2023 and the structure of the sector as a whole to assist the government in policy formulation and programme planning;
- ii. provide appropriate agricultural information to increase public awareness; and
- iii. provide data that could be used to compute agricultural sector contribution to the Gross Domestic Product (GDP).

1.4 Definition of Concepts

Enumeration Area (EA) is a compact area delineated out of a locality or group of small localities with well-defined and identifiable boundaries put together as one unit for the purpose of census administration or a sample survey.

Household consists of a person or a group of related or unrelated persons who live together in the same dwelling unit, acknowledge one adult male or female as head of the household and share the same cooking arrangements. A household may either be:

a) one-person household, that is, a person who makes provisions for his own living without combining with any other person or

b) multi-person household, that is, a group of two or more persons who live together and make common provisions for food and other essentials of living.

Head of Household is the person in the household acknowledged as head by the other members. The head has primary authority and responsibility for the household's affairs.

Agriculture is the growing of crops, raising of animals and fish, and engaging in forestry activities for own consumption and /or sale.

Farming Household is a household where at least one member of the household is engaged in growing of crops, raising of animals, fish and forestry activities. This might be operated by one person alone, or with others.

Agricultural Holding refers to all lands and /or livestock kept, which is used wholly or partly for agricultural production and is operated by one person alone or with others without regard to management, organization, size or location. Single management may be exercised by an individual or household, jointly by two or more individuals or households, by a clan or tribe, or by a juridical person such as a corporation, cooperative or government agency.

The holding's land may consist of one or more plots or (farms) located in one or more separate area within or outside the EA in a Local Government Area (LGA). Any plot located in another LGA should however be considered another holding. Agricultural holdings could be in the household sector (farming Households) or non-household sector (farms operated by entities such as corporations, government institutions, cooperatives, etc.).

Holder is a person who exercises management control over the operation of the agricultural holding and makes the major decision regarding the utilization of the available resources. He/she has primary technical and economic responsibility for the holding. He/she may operate the holding directly as an owner or a manager. Under conditions of traditional agricultural holding, the holder may be regarded as the person who, with or without the help of others, operates land and/or raises livestock in his/her own right, that is, the person who has the right to determine the utilization of the products.

Agricultural Establishment consists of any farm, forest operation, or nursery engaged in outdoor or enclosed space production of agricultural plants, livestock, fishery, or poultry primarily for commercial purposes. These establishments are involved in the production, processing, and sometimes distribution of agricultural products.

Legal Status refers to status or position held by an entity as determined by the law.

Farm is a plot of land that is used to grow crops and raise livestock, or an area of water used to raise fish, aquatic plants or aquatic animals.

Livestock Raising (excluding poultry and aquatic animals) also known as livestock farming is the practice of raising animals to produce labour and commodities such as meat, milk, fur, leather, and wool.

Poultry Raising is the keeping of domestic fowls (of the species *Gallus domesticus*) including chickens, turkeys, geese, ducks and guinea fowls, raised to produce meat or eggs. The word also refers to the flesh of these birds used as food.

Aquaculture/Fish Farming is the enterprise of raising and harvesting fish and other aquatic life in a controlled environment.

Fishery Production refers to the raising and harvesting fish and other aquatic life in a controlled environment as well as harvesting fish in the wild, either in freshwater bodies or the oceans either for home consumption or commercial purposes. It includes aquaculture and fish hunting or fish capture.

Forestry is the science, art, and practice of managing, conserving and restoring forests and woodlands. It involves a range of activities focused on maintaining the health, productivity, and sustainability of forest ecosystems. 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.

Forestry (Wood Production) consists of the cultivation and maintenance of forest trees mainly for wood production.

Forestry (Non-Wood Production) consists of other activities that are carried out in the forests like hunting, snail gathering, mushroom gathering etc.

Field or Plot is defined as a continuous piece of land on which a specific crop or a mixture of crops is grown, or which is fallow or waiting to be planted.

Crops include cereals, pulses, oilseeds, vegetables, root crops, fruits, coffee, sugarcane, cotton, tobacco, etc. produced for food, making drinks, stimulation and making fabrics or clothing.

Crop production is the process of growing and harvesting of the above crops for own consumption, set aside for future planting and/or sale.

Sole cropping is an agricultural practice where a single crop species is planted in a field or plot at a time, without mixing it with other crops.

Mixed cropping is an agricultural practice where two or more crop species are grown together on the same piece of land during a growing season.

Improved seed refers to seeds that have been scientifically developed or selected to produce better crop yields, resilience, and adaptability compared to traditional or local seed varieties.

Pesticides are chemicals that are useful for the control, mitigation or elimination of pests, which are detrimental to crops. Pesticides include insecticides, herbicides and fungicides.

Herbicides are chemicals used for destroying weeds and other unwanted vegetation.

Insecticides are chemicals used for killing a wide variety of insects.

Fungicides are chemicals used to prevent the growth of molds and mildews. It serves as disinfectants for preventing the spread of bacteria and as compounds to control mice and rats.

Rainy/Wet Season (major season) refers to the time of the year when a region experiences significant increase in rainfall. In Nigeria, it mainly occurs from April to October.

Dry Season (minor season) refers to the time of the year when a region experiences little, or no rain fall.

Shelled (fresh) are harvested crops that are fresh but have their shells removed e.g. groundnuts.

Shelled (dry) are harvested crops that are dry but have their shells removed e.g. beans.

Unshelled (fresh) are harvested crops that are fresh but have their shells intact (not removed) e.g. maize.

Unshelled (dry) are harvested crops that are dry but have their shells intact (not removed) e.g. rice.

Temporary/Annual Crops are crops which are grown and harvested within a year, sometimes in only a few months.

Permanent/Continuous Crops are crops which are grown and occupy land for a long period of time, not requiring replanting for several years after each harvest. All fruit trees (i.e. oranges, tangerine, bananas, etc.) and trees for beverages (i.e. coffee, tea, etc.) are considered permanent/continuous crops but meadows (field of grass) and pastures are excluded.

Fertilizers are substances added to soil or plants to supply essential nutrients that help boost growth and increase agricultural yield. In this survey, data is elicited on two types of fertilizers (natural and chemical).

Organic Fertilizers (natural fertilizer) are natural substances derived from plant or animal matter that enrich the soil with essential nutrients for plant growth.

Inorganic or Chemical Fertilizers are synthetic or mined chemical substances formulated to provide essential nutrients directly to plants. This includes, UREA (Ammonium Nitrate), Potassium Sulphate, Single Super Phosphate (SSP), Nitrogen Phosphorous Potassium (NPK), Organo-mineral Fertilizer etc.

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

Surface irrigation (flooding, furrows) is where water is applied and distributed over the soil surface by gravity.

Sprinkler irrigation is a method of applying water to crops in a controlled manner like rainfall. The water is distributed through a network such as pumps, valves, pipes and sprinklers.

Drip irrigation is a method that delivers water directly to the root of the plants in the right amount and time. The water drops slowly to the roots of the plant.

Spray or micro sprinkler irrigation is like the sprinkler irrigation. The difference is that the micro irrigation method has small openings that release water at a small rate.

Bubbler irrigation involves applying water to the soil surface of trees as a little stream from a small diameter tube. This is typically used in tree groves.

Equipped wetland and inland valley bottoms are structurally equipped wet land or valley used for irrigation.

Draught Animal refers to an animal used for heavy labor, typically in agricultural or transportation tasks. They are trained and used to pull heavy loads, such as ploughs, carts, sledges, or wagons, helping humans with work that requires significant physical power.

Dairy Cow refers to any type of cow that gives milk previously and/or provide milk currently or have never given milk before and pregnant now. Heifers are not included in this category.

A Heifer is a young female cow that has not had any offspring. The term usually refers to immature females.

Milking Cow refers to cows milked within the agricultural season.

Meat Animals refer to animals such as cattle, sheep, goat etc, raised specifically for meat production rather than for diary, fiber or labour.

Laying Hens refer to chickens specifically raised for egg production.

Grazing lands are lands designated for livestock to feed on grass and other vegetation. It can be naturally occurring grassland or managed pastureland.

Fallow lands refer to farmland that is intentionally left unplanted for a period to restore its fertility and allow soil to regenerate.

Woodland or Forest land refers to areas primarily covered by trees and other vegetation, such as shrubs and undergrowth. Forest land used for recreational purposes is not included as woodland.

Other land use includes land occupied by the holders' houses and /or buildings, gardens, barns, wells, ponds, etc.

Reference Period of the agricultural year is a twelve-month cycle in which the production of crops takes place. In Nigeria, the agricultural year commences on 1st April and ends on 31st March of the following year. This survey covered the agriculture year of 2022/2023.

Median Price refers to the market equilibrium price of agricultural produce or products at the retail or wholesale level.

Farm Gate Price is the monetary exchange value of agricultural commodities at the primary production level.

Computer-Assisted Personal Interviewing (CAPI) is a method of deploying face-to-face

data collection in which an interviewer uses an electronic device to obtain and record responses during an interview.

Survey Solutions is a software developed by the World Bank to assist Agencies, Governments, Statistical Organizations and Non-Governmental Organizations in conducting surveys of different statuses using electronic devices.

Symbols that are used in the Tables:

(S) : Insufficient number of reports (≤ 30) to establish a reliable estimate

- : Zero reports to establish an estimate

0 : True zero or a value rounded to zero



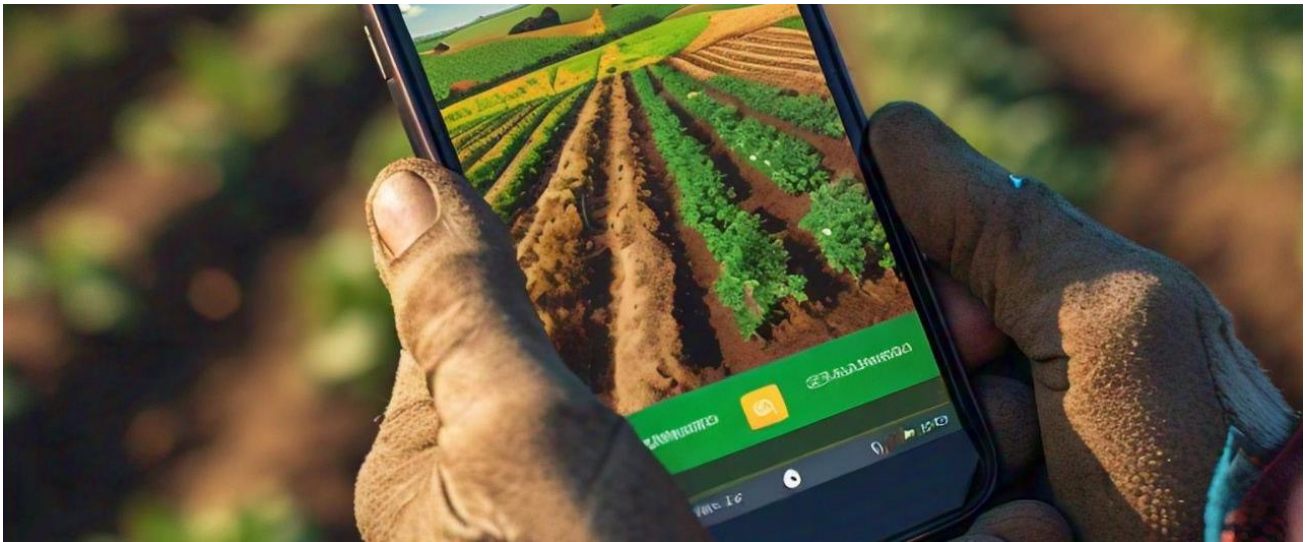
Survey design and methodology

2

2.1 Survey Design

The comprehensive frame (list) of agricultural households generated during the National Agricultural Sample Census (NASC) was used as master sample for the National Agricultural Sample Survey (NASS). At household level, the scope of information collected includes the demographic details

of the holders, the type of agricultural activity (crop production, fishery, poultry, or livestock), and the type of produce or product (for example: rice, maize, sorghum, chicken, or cow), while the producer price questionnaire collected information on farm gate prices at community level.



2.2 Sample Design

2.2.1 Sampling Units and Sampling Frame

The final sampling units used were agricultural households involved in crop cultivation, livestock farming, and fishery

which were selected from a subsample of EAs among the sample of EAs covered during the extensive listing survey.

2.2.2 Sampling Method and Selection

The sampling method for NASS-household component is a stratified three-phased sampling as follows:

- a) First phase: Stratified Probability Proportional to Size (PPS) selection of 80 EAs per LGA (by NPC from the frame of EAs, involving urban/rural stratification)
- b) Second phase: Systematic sub-sampling of 40 EAs for the NASS listing
- c) Third phase: Two-stage sampling for NASS-household
 - i. First stage: Systematic Probability Proportional to Size (PPS) subsampling of EAs after reallocation of the final number of EAs in strata (urban/rural)
 - ii. Second stage: Systematic sampling of 10 farming households (crop or livestock farming) and a systematic selection of complementary

households practicing only fishery in fishery-intensive LGAs (18) up to a maximum of 12 households were interviewed in the selected EAs. That selection was stratified by sorting the listed farming households by various agricultural-related information including farming activities practiced, number of plots, livestock numbers in tropical livestock units, as well as the gender of the household head.

2.2.3 Sample Size and Reallocation

A total of 15,591 Enumeration Areas (EAs) were selected for the NASS household survey. The sample was distributed across Local Government Areas (LGAs) based on the estimated total number of plots per LGA. Within each LGA, the sample was further allocated between urban and rural areas in proportion to the estimated agricultural population. In the selected EAs, 152,485 households were finally sampled.

Table 1: Distribution of Number of LGAs, EAs, Total HHs, Teams & Enumerators by States and Zone

	State	No of Agric LGAs by State	No of Agric EAs by State	Average No of EAs by Team	Total No of Agric HHs by State	No of Teams by State	No of Enumerators by State
NORTH-CENTRAL	BENUE	23	505	20	5,021	26	52
	FCT	6	184	20	1,779	9	18
	KOGI	21	421	20	4,150	21	42
	KWARA	16	493	20	4,834	25	50
	NASARAWA	13	493	20	4,879	25	50
	NIGER	25	643	20	6,375	32	64
	PLATEAU	17	611	20	6,016	31	62
Total NORTH-CENTRAL		121	3,350		33,054	168	338
NORTH-EAST	ADAMAWA	21	422	20	4,218	21	42
	BAUCHI	20	724	20	7,200	36	72
	BORNO	24	446	20	4,422	23	46
	GOMBE	11	279	20	2,789	14	28

	State	No of Agric LGAs by State	No of Agric EAs by State	Average No of EAs by Team	Total No of Agric HHs by State	No of Teams by State	No of Enumerators by State
	TARABA	16	534	20	5,307	27	54
	YOBE	17	401	20	4,004	20	40
Total NORTH-WEST		109	2,806		27,940	141	282
	JIGAWA	27	421	20	4,204	21	42
	KADUNA	23	664	20	6,566	33	66
	KANO	44	926	20	9,215	47	94
	KATSINA	34	387	20	3,842	20	40
	KEBBI	21	489	20	4,871	25	50
	SOKOTO	23	465	20	4,640	24	48
	ZAMFARA	14	379	20	3,788	19	38
Total SOUTH-EAST		186	3,731		37,126	189	378
	ABIA	17	240	20	2,377	12	24
	ANAMBRA	21	343	20	3,370	17	34
	EBONYI	13	279	20	2,787	14	28
	ENUGU	17	295	20	2,935	15	30
	IMO	23	406	20	3,844	21	42
Total SOUTH-SOUTH		91	1,563		15,313	79	158
	AKWA IBOM	31	312	20	3,103	16	32
	BAYELSA	8	266	20	2,605	14	28
	CROSS RIVER	18	220	20	2,196	11	22
	DELTA	25	277	20	2,757	14	28
	EDO	18	358	20	3,481	18	36
	RIVERS	23	516	20	5,028	26	52
Total SOUTH-WEST		123	1,949		19,170	98	198
	EKITI	16	180	20	1,741	9	18
	LAGOS	20	376	20	2,155	19	38
	OGUN	20	541	20	5,078	27	54
	ONDO	18	264	20	2,623	13	26
	OSUN	30	334	20	3,325	17	34
	OYO	33	497	20	4,960	25	50
Sub-Total GRAND TOTAL		767	15,591		152,485	785	1,574

2.2.4 Estimation Procedures and Sampling Error

The probabilities of selecting EAs for NASS households were derived from two stages:

the likelihood of their selection in the listing sample and the probability of selection from the subsample of EAs chosen for NASS households. These probabilities were then

combined with the probabilities of selecting farming households within the EAs to determine the final selection probabilities for farming households. The design weights were calculated as the inverse of these selection probabilities.

These weights were further adjusted to account for non-responses and calibrated by using the number of agricultural households by State as estimated from NASC, resulting in final sampling weights used in estimating means, totals,

proportions, and other statistics through standard Horvitz–Thompson estimators. Special consideration was given to fishery-related estimates, ensuring that data from the independent sample of households engaged solely in fishery activities were fully incorporated.

Due to the complexity of the sampling design, sampling errors were estimated using resampling methods such as Bootstrap and Jackknife techniques.

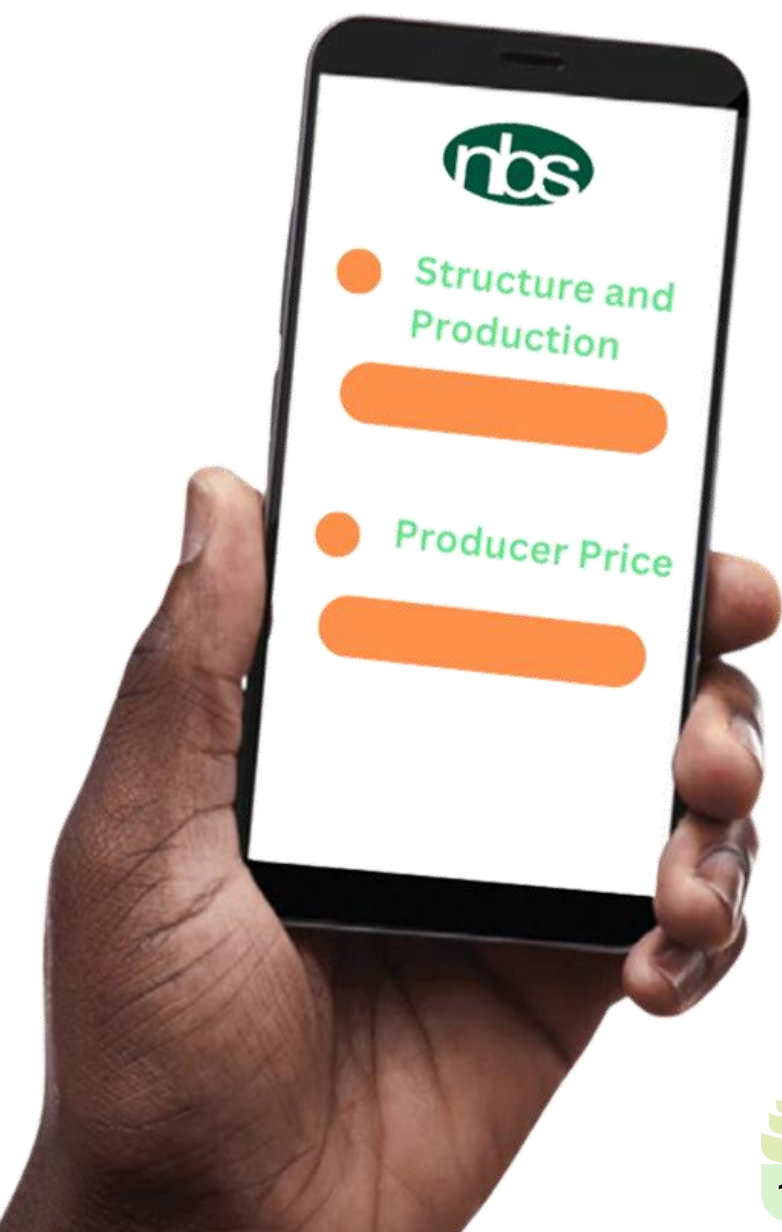
2.3 Questionnaire

2.3.1 Structure and Production

This questionnaire was administered to selected farming households as described in the sample design. The respondents to the questionnaire were knowledgeable persons, 15 years and above, who had adequate information about the agricultural activities of the households.

2.3.2 Producer Price

The producer price questionnaire was administered to focus groups that were constituted to serve as respondents for the community questionnaire at the EA/Community level in the 36 States of the Federation and FCT. A minimum of five knowledgeable residents practicing agriculture from the community were selected. In all, a total of 15,591 producer price questionnaires were administered nationally.



The National Population Commission (NPC) provided frame of the newly delineated Enumeration Areas (EAs) for the proposed Housing and Population Census and this was used as the primary sampling frame. Although data was collected across the 36 states and FCT, some LGAs were not covered due to insecurity.

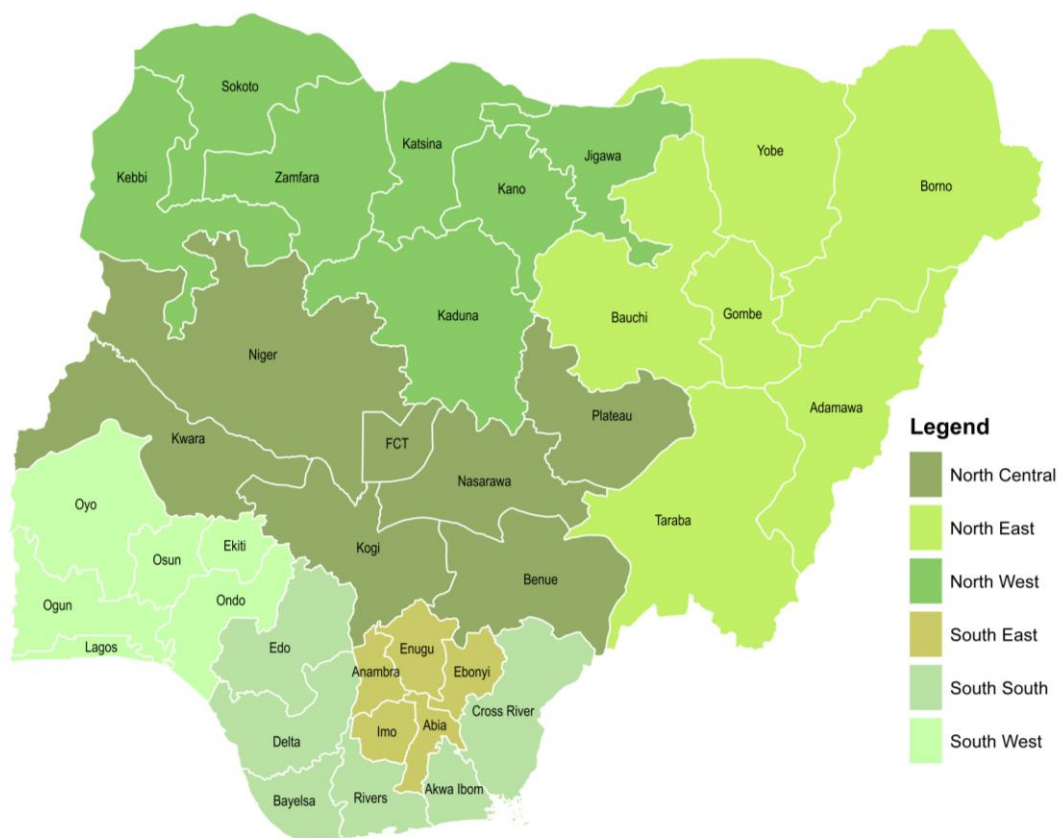


Figure 1: Map of Nigeria showing the Coverage Area for the NASS

The LGAs covered during the survey were seven hundred and sixty-seven (767) out of the 774 LGAs in Nigeria. Due to security challenges, 3 LGAs in Borno state (Monguno, Kukawa and Abadam) and 4 LGAs in Imo state (Orlu, Orsu, Oru East, and Njaba) were not covered.

The number of EAs covered varied from state to state depending on the number of Agricultural EAs and LGAs. Nationally, a total of 15,591 EAs were selected across the 36 States of the Federation and FCT while 15,568 were successfully interviewed. A total of 152,485 households were planned to be covered while 142,550 were interviewed.

2.5 Scope

The survey covered the following subject areas:

- i. **General household/holding information:** This section includes administrative identification, holding identification, household roster, and record keeping of agricultural activities.
- ii. **Crop farming:** This includes plot roster, crop roster, temporary crop production (excluding vegetables), vegetable crop production, temporary crop destination, permanent crop production, permanent crop destination, seed and plant used, and input used.
- iii. **Livestock/ Poultry farming:** This contains Livestock production, change in stock (large and medium-sized animals), change in stock (poultry), milk production, egg production, and other livestock products.
- iv. **Fisheries:** This section contains information on fish farming or aquaculture production, fish hunting or capture.
- v. **Forestry:** This contains data on forestry production
- vi. **Apiary:** Information on both traditional and modern beehives were collected in this section
- vii. **Prices:** Average farmgate prices in the EA/Community, obtained from focused groups that were constituted knowledgeable residents practicing agriculture in this section
- viii. **Labour:** This section captured different categories of workers: permanent, temporary, those below 15 years of age, adult males and females, etc.

2.6 Survey Instrument/Equipment

The instruments and equipment used in conducting the survey were:

- i. Structure and Production Questionnaire
- ii. Producer Price Questionnaire
- iii. Instruction Manual
- iv. List of Sampled EAs and Selected Households
- v. CAPI Devices
- vi. Garmin 64 GPS Devices

2.7 Recruitment of Field Personnel

Nationally, a total of one thousand, five hundred and seventy-four (1,574) enumerators were recruited for the data collection. The field personnel were staff of the National Bureau of Statistics (NBS), State Statistical Agencies (SSAs), State Agricultural Development Project (ADP), and National Population Commission, who had the basic requirements in related disciplines, fluency in local languages of the terrain, and experience in household and Agricultural surveys.

2.8 Training

Trainings for the survey were done in three (3) phases; the Training of Trainers (ToT), Training of Enumerators (ToE), and Training of data quality monitoring team.

a) Training of Trainers (ToT)

The first level of training was the national level Training of Trainers (ToT) held in Abuja. Participants include staff of National Bureau of Statistics (NBS), Federal Ministry of Agriculture and Food Security (FMAFS), National Population Commission (NPC), The World Bank and Food and Agriculture Organization (FAO). Trainees at this level were engaged in two (2) exams to test their understanding of the training. The training lasted for eight (8) days.

b) Training of Enumerators (ToE)

The second level of training was the Training of Enumerators (ToE) at the state level. The participants include Enumerators, NBS Zonal Controllers, NBS State Officers, Staff of State Statistical Agencies, Staff of State Ministry of Agriculture and Independent Monitors. The training lasted for 8 days. The participants were subjected to two separate exams to test their understanding of the training.

c) Training of Data Quality Monitoring Team

There was a training for the data editors and data assistants in Abuja on how to review the quality of the data collected by enumerators. The rationale behind the training was to ensure that participants understood all the sections of the questionnaires, review them and

provide feedback to enumerators when required.

2.9 Fieldwork Arrangement for Data Collection

The number of teams constituted in each state varies and each team comprised of a team leader and a teammate. A team covered an average of 20 EAs. Some of the teams worked in more than one LGA. An enumerator interviewed 5 households in each EA visited, in two (2) and a half day. Data collection lasted for 50 days for both households and producer price.

2.10 Monitoring of Fieldwork and Quality Control

Two rounds of monitoring exercise were carried out in addition to the remote monitoring of data collection. This exercise was carried out by monitors, independent monitors, and coordinators. The first monitoring involved the spot checking and was done by the teams mentioned above. However, the general roles of the monitors were to ensure proper compliance with laid-down rules and procedures, ensure that high-quality data were collected, ensure cultivated plots used by households during the major season that were not too large or more than 2 hours away from the dwelling were measured, and suggest plausible solutions to problems where necessary. The second round of monitoring was carried out at the middle of the fieldwork.

2.11 Coordination

Coordination of the entire survey process was carried out by the survey management team and the stakeholders from collaborating MDAs, to ensure a hitch-free activity and adherence to established procedures.

2.12 Data Transmission and Questionnaire Retrieval

Data was captured electronically from respondents using CAPI (Computer Assisted Personal Interview) developed using a survey solutions platform software developed by the World Bank. There was real-time transmission of data, and the remote data quality team checked the quality of data transmitted by checking for completeness, accuracy, validity, consistency, and integrity.

When the quality of the data transmitted from the field fails a quality test, the remote monitoring team rejects the interviews with comments for clarification, correction, or revisit depending on the type of error observed.

2.13 Reference Period

The reference period for the census and survey was the 2022/2023 agricultural season. This covered the 2022/2023 rainy

season (April 2022-October 2022) and dry season (November 2022-March 2023).

2.14 Data Processing and Analysis

Data processing and analysis involved data cleaning and imputation, data analysis, data verification/validation, and table generation. The World Bank (WB), Food and Agriculture Organization (FAO), and National Bureau of Statistics (NBS) carried out the data processing and analysis for both the household and corporate farms questionnaires. Prices and crop harvested quantities collected according to different units, sizes and conditions of measurement were converted into kilograms using conversion factors adapted to the context of the Nigeria federation.

2.15 Survey Challenges

- a) **Insecurity:** Security challenges in some parts of the country led to non-coverage in some areas.
- b) **Cash Shortage:** At the time of the survey, the federal government's cashless policy affected the movement of interviewers as cash was not available for daily expenses. This policy increased the cost of transportation as well.



Survey Findings

3

3.1 Household Demographic Characteristics and Activities

3.1.1 Agricultural Households by Zone

The National Agricultural Sample Census (NASC) reveals that there are a total of 40,221,060 agricultural households in Nigeria. The North-West zone recorded the highest distribution of agricultural households with 10,361,160 (25.76 percent), followed by the North- Central and North-East zones with 7,755,090 (19.28 percent)

and 6,445,390 (16.02 percent) households, respectively. In the southern zones, the South-South and South-West zones reported 5,293,090 (13.16 percent) and 5,394,910 (13.41 percent) households respectively while South-East has 4,971,420 (12.36 percent) households

Agricultural Households



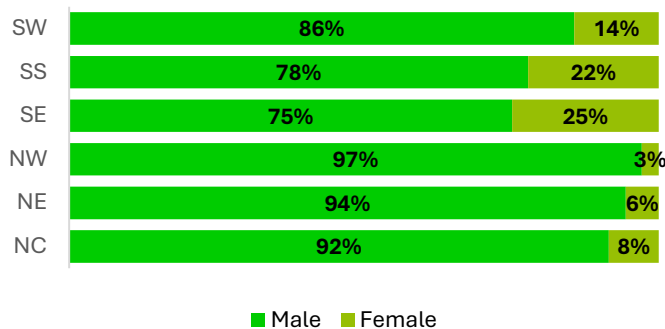
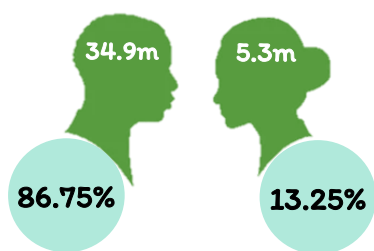
40.2m
Agricultural
households in Nigeria

SE	4,971,418
SS	5,293,089
SW	5,394,910
NE	6,445,386
NC	7,755,090
NW	10,361,163

3.1.2 Number of Agricultural Households by Sex of Head

The result shows that the number of male-headed agricultural households was 34,933,000 (86.75 percent) and 5,335,460 (13.25 percent) female-headed households. Disaggregation by zone shows that the male

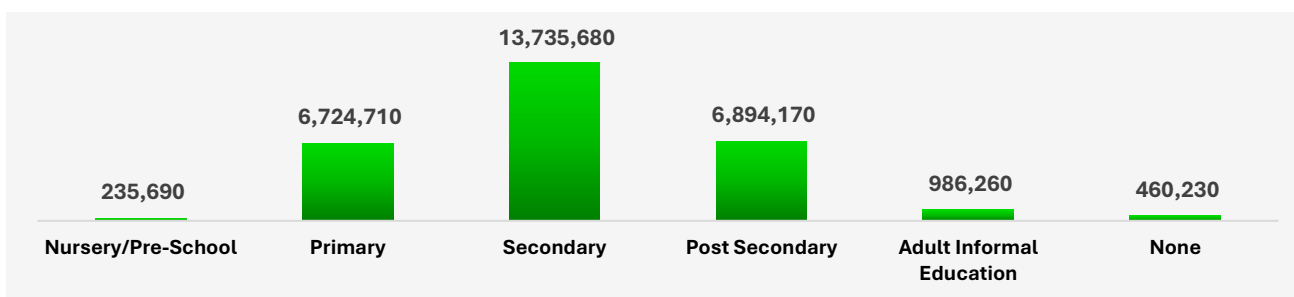
headed household was higher compared to the female headed household. South-East recorded 29.57 percent female headed households which is highest compared to other zones



3.1.3 Highest Educational Level Attained by Head of Households

The highest level of education attained by majority of head of agricultural households was secondary school (13.74million), followed by post-secondary (6.89million),

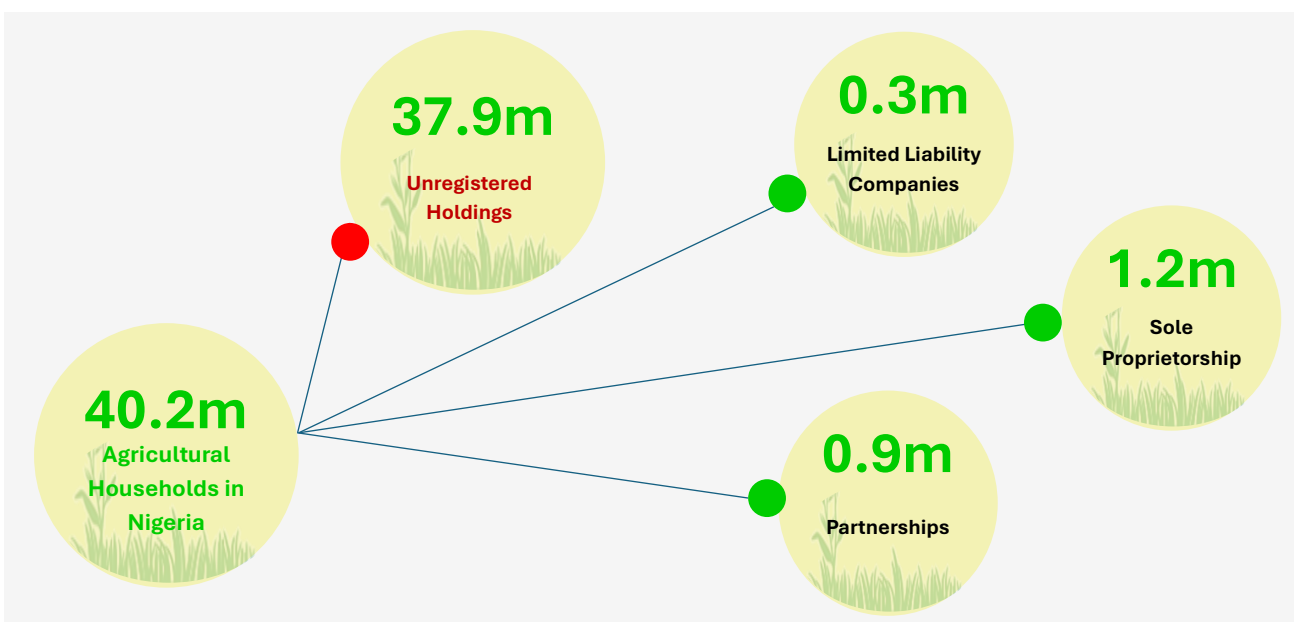
while the least was pre-school (235,690). The head of households without formal education were 11.23million.



3.1.4 Legal Status of Holdings

The result shows that the total number of Agricultural holdings in the household sector in Nigeria was 40,221,060, out of which 337,150 holdings are registered under a limited liability company; 1,176,730 registered under a Sole proprietorship while

99,200 were registered under partnership (two or more households). For holdings reported as not registered, 37,947,910 are of natural (civil) persons and the remaining, 280,410 are partnerships.

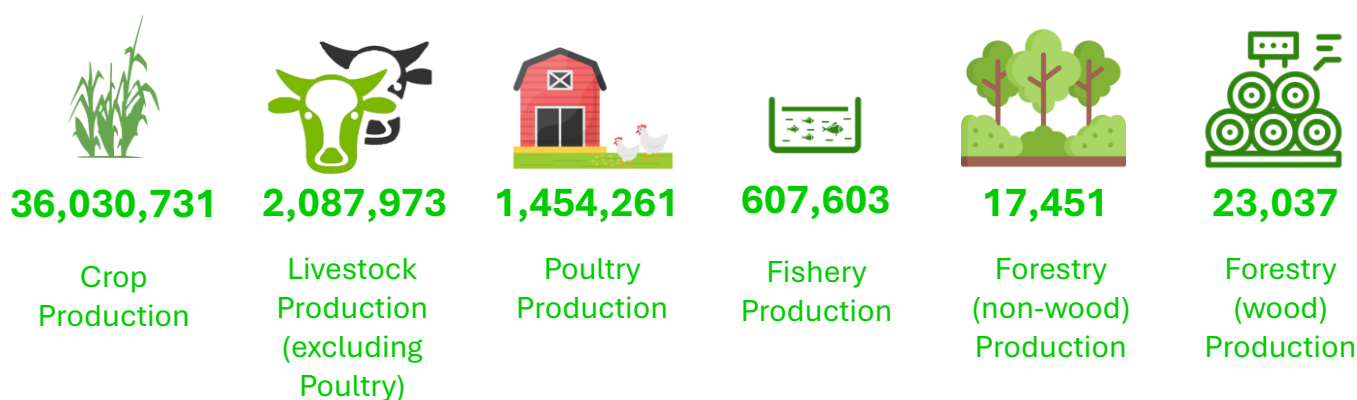


3.1.5 Main Production Activity

Nationally, 36,030,730 households were reported to be engaged in crop production as their main agricultural activities. Out of which, 9,737,170 was recorded in the North-West indicating the highest, followed by 6,999,750 in the North-Central while the least was reported in the south-west with 3,785,070.

The results also reveals that 2,087,970 were engaged in livestock production (excluding

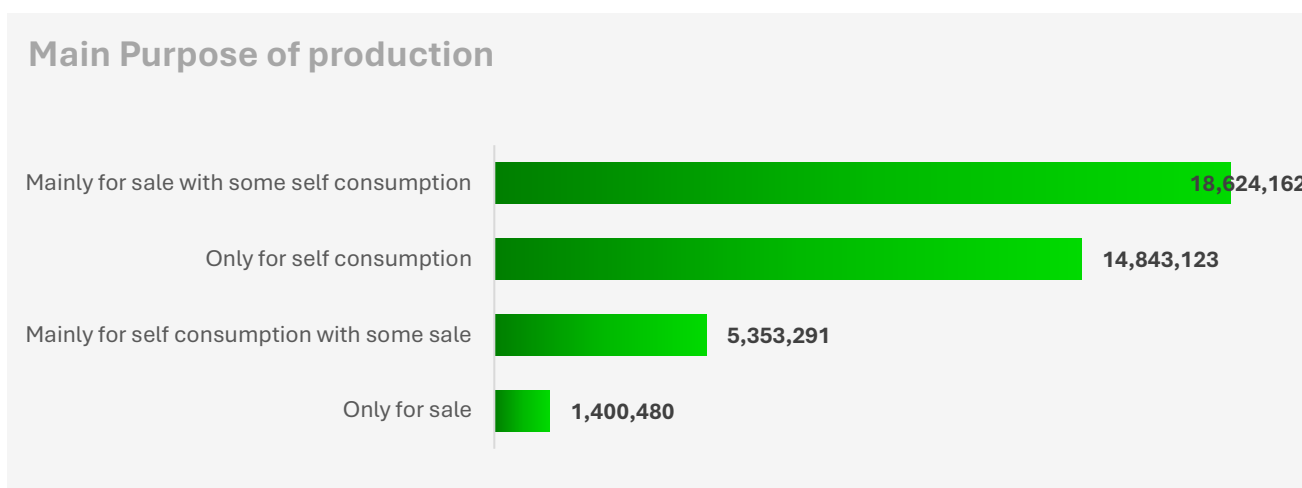
poultry) as their main agricultural activity during the reference period with 789,890 recorded in the South-West, followed by 469,520 in the North-Central, while the least was reported in South-East with 82,880. A total of 1,454,260 households were engaged in poultry production, fishery production recorded 607,600 while forestry wood production 23,040 and non-wood production was 17,450 households.



3.1.6 Main Purpose of Production

Most households (18.62million) reported that their main purpose of production is for sale with some level of self-consumption followed by those producing only for self-consumption (14.84million). A fewer

number of households (5.35million) mainly produced for self-consumption with a proportion meant for sales while 1.40million households produced only for sales representing the least.



3.2 Plot

3.2.1 Number of Cultivated Plots Reported by Agricultural Households Across the States in Major and Minor Seasons

The survey reveals that a total of 36.96million households cultivated 76.4million plots during the major season. Benue state had the highest number of cultivated plots with 6.09million while Bayelsa had the least with 377,018.

Total Number of Cultivated Plots

7,118,841

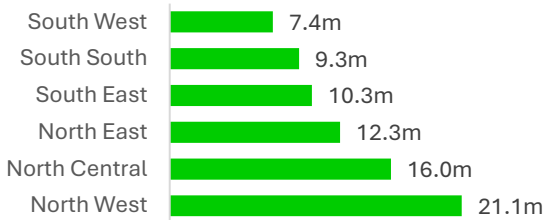
Minor season



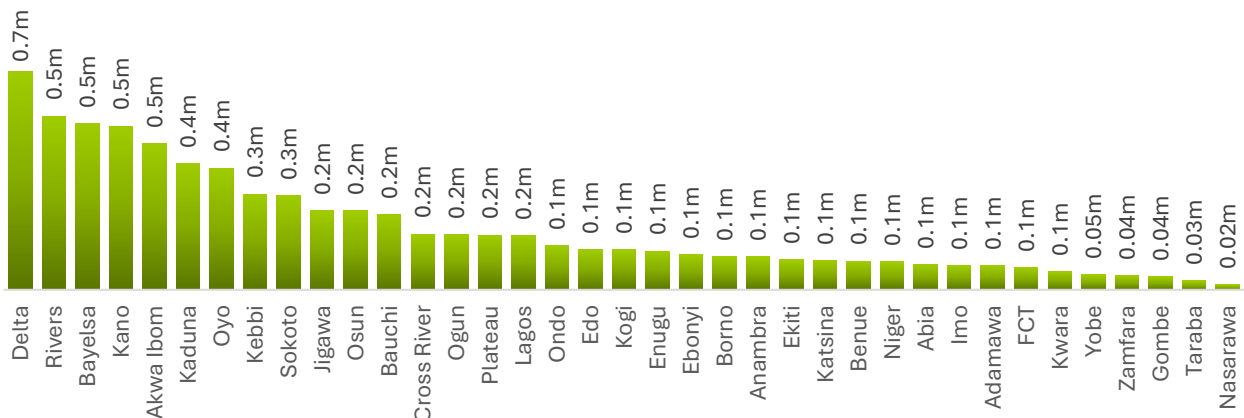
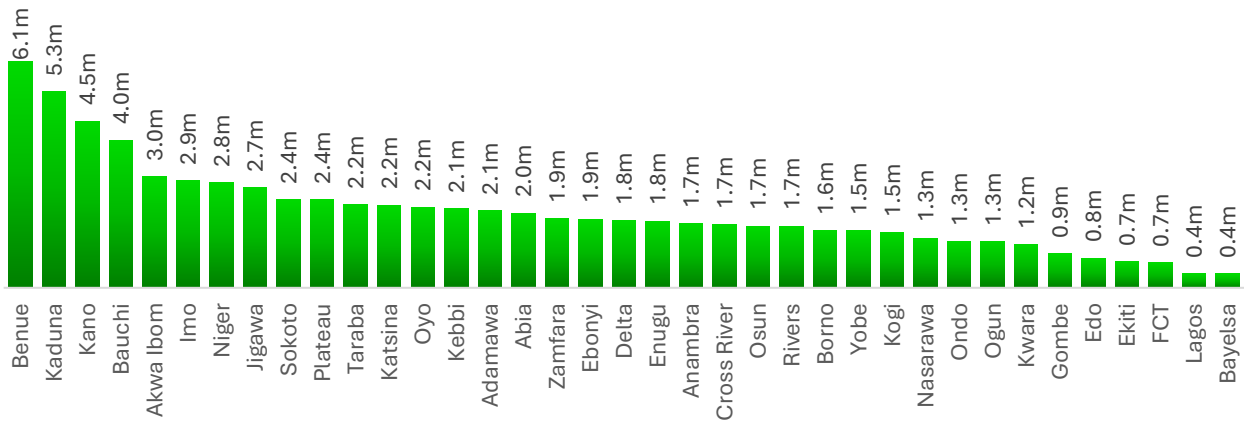
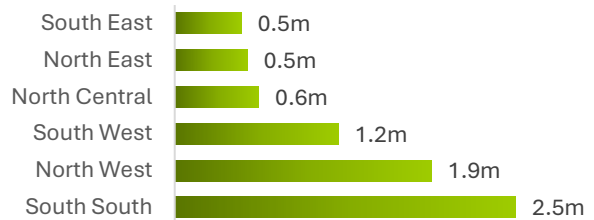
76,464,765

Major season

Major season



Minor season



During the minor season, findings show a total of 5.21million households cultivated 7.1million plots. Disaggregation by state reveals that Delta State has the highest number of cultivated plots with 671,951 while Nasarawa state recorded the least with 16,656.

3.2.2 Percentage Distribution of Plots by Tenure Modality

The result shows that during the major season, 82.49 percent of the total plots are owned by a household member followed by

plots rented from non-household members (10.26 %) while other land used for free accounted for 0.98 percent.

82.5%	10.3%	4.1%	1.9%	1.0%	0.2%
63,078,851	7,841,892	3,115,639	1,487,326	750,438	190,617
Owned by a member of the HH	Rented from somebody else (out of the HH)	Family land used for free (not owned by a member of the HH)	Community land used for free (not owned by a member of the HH)	Other land used for free (not owned by a member of HH)	Other

Findings from the minor season showed that majority (77.04 percent) of the plots are owned by household members, followed by

those rented from non-household members at 14.75 percent. Furthermore, 0.69 percent of the plots are family land used for free.

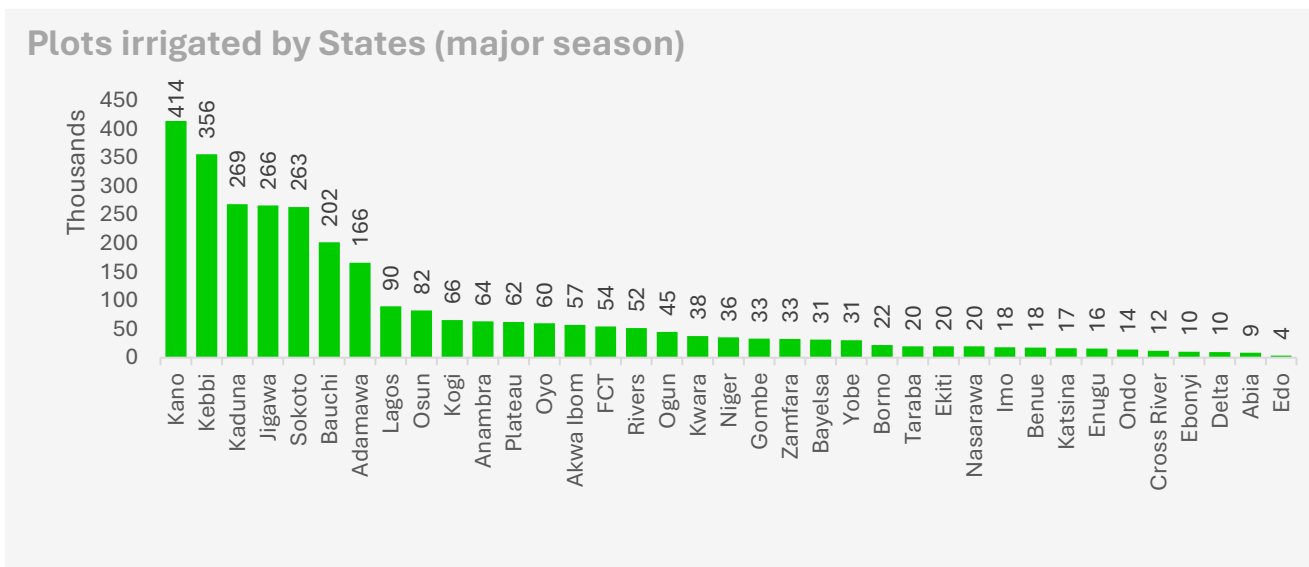
3.2.3 Mode of Transportation

Nationally, foot was the most common mode of transportation used by farmers to access their plots (32.99million) during major seasons with varying duration

followed by motorcycle/tricycle with (24.75million) while the least plots were reached by bicycle (4.51million).

3.2.4 Irrigation on Plots, Major and Minor Season

The total number of plots irrigated during the major season was 2.98million. Kano state recorded the highest plots irrigated with 413,896 while Edo state recorded the lowest with 3,533.



During the minor season a total number of 2.18million plots were irrigated. Kano state recorded the highest number of plots

(265,423) while Edo state recorded the least (1,221).

3.2.5 Distribution of Plots by Main Irrigation Method Used

Surface irrigation was the predominant irrigation method used on most plots (2.19million) followed by sprinkler with 378,711 plots. Distribution by zones shows that surface irrigation is mostly used in the North-West accounting for 59 percent of the total plot, followed by the North-East at 20

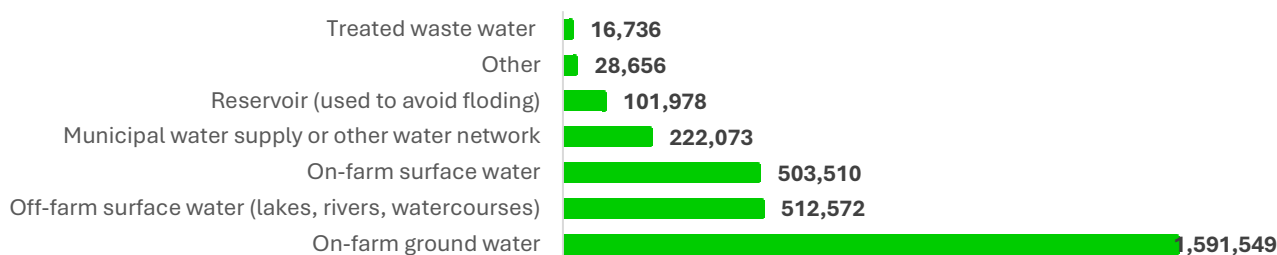
percent. Across the states, Kano (15 percent), Kebbi (13 percent), and Sokoto (10 percent) recorded the highest percentages of surface irrigation. Bubbler irrigation and Spate irrigation methods were the least adopted on Nigerian agricultural plots with 12,031 and 3,441 reported respectively.

3.2.6 Distribution of Plots by Water Sources for Irrigation

Nationally, majority of farmers used On-farm ground water as the main source of water for irrigation on their plots (1.59million). Distribution by zones shows that On-farm ground water is mostly used in the North-West accounting for 56.75 percent of the total plot, while the least was recorded in South-West with 1.95 percent. The other

sources that are closely used were Off-farm surface water (lakes, rivers, watercourses) and On-farm surface water with 512,572 and 503,510 plots respectively. Treated waste was the least preferred source of water for irrigation, as it was only used on 16,736 plots across the country.

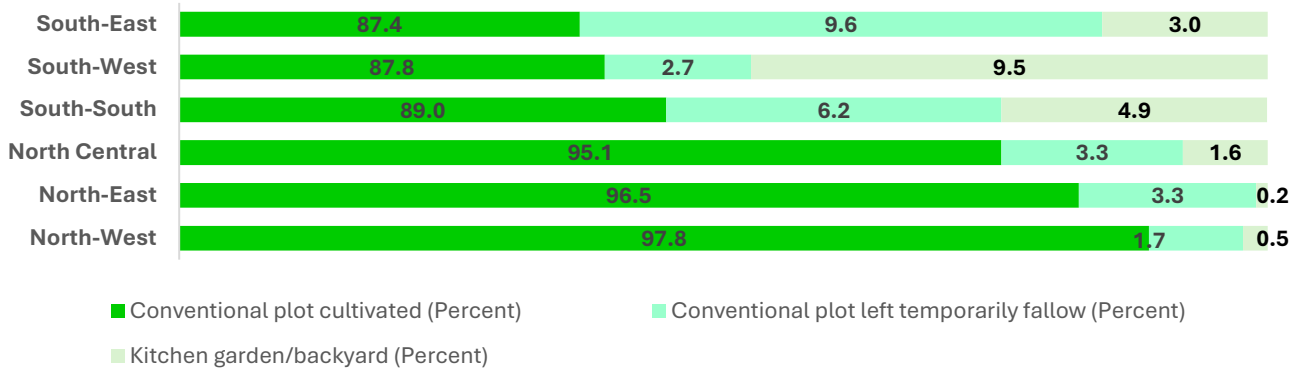
Plots by source of water for irrigation



3.2.7 Percentage Distribution of Plots by Category and Zone (Major and Minor Season)

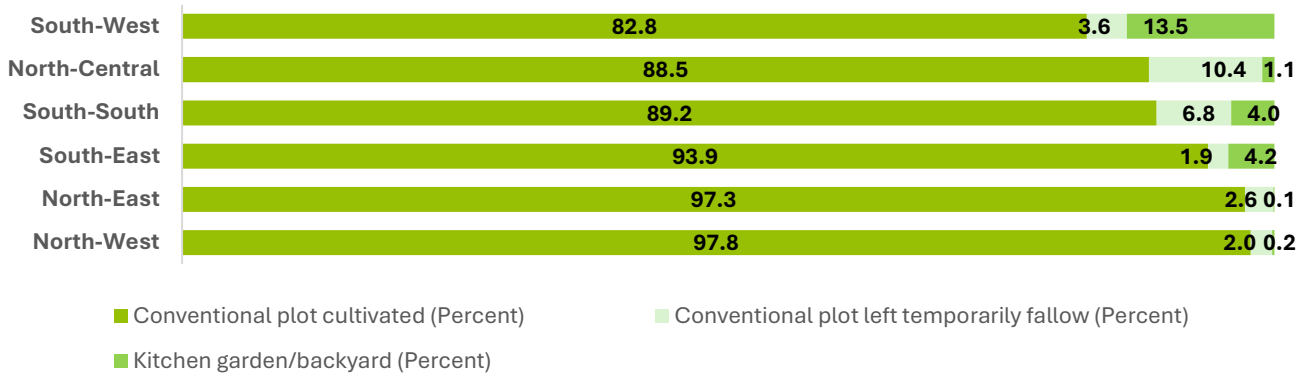
Plots category includes plots cultivated, plots left temporarily fallow and plots located in backyard/kitchen garden. Conventional plot cultivated was predominant across the zones during the major season, it ranges between 87.36

percent in the South-East and 97.82 percent in the North-West. The South-East recorded the highest proportion of Conventional plot left fallow with 9.60 percent and the South-West reported the highest proportion of kitchen garden/backyard with 9.49 percent.



Like the major season, Conventional plot cultivated was the largest across the zones during the minor season, with the North-West and North-East zones reporting the highest percentages of 97.82 and 97.31

respectively. The North-Central recorded the highest for Conventional plot left temporarily fallow with 10.40 percent while South-West recorded the highest for Kitchen Garden/backyard with 13.51 percent.



Top 10 Crops Harvested Quantities in Major Season 2022/2023



21.90 billion kg

Cassava



17.35 billion kg

Maize



8.00 billion kg

Guinea corn/Sorghum



4.17 billion kg

Oil Palm



4.48 billion kg

Beans/Cowpea



18.70 billion kg

Yam



13.04 billion kg

Rice



6.16 billion kg

Millet



4.23 billion kg

Groundnut/peanuts



2.93 million kg

Plantain

Top 10 Crops Harvested Quantities in Minor Season 2022/2023



2.67 billion kg

Onion



1.44 billion kg

Rice



841.17 million kg

Small/Bell pepper



448.16 million kg

Yam



110.09 million kg

Beans/Cowpea



18.70 billion kg

Tomato



887.07 million kg

Sugarcane



792.37 million kg

Maize



201.26 million kg

Okro



106.41 million kg

Sweet Potato

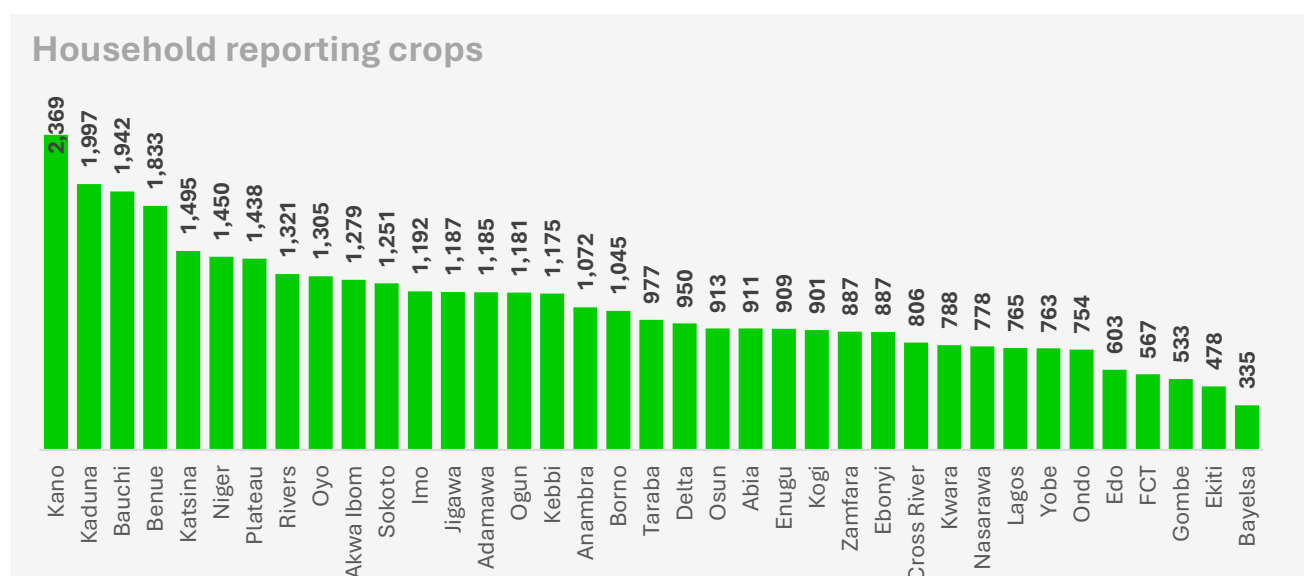
3.3 Crop Production

This section presents a detailed analysis of survey findings on selected crop types, including number of households cultivating the crop, planted areas, harvested areas, crop production, and yield per hectare. The findings are categorized by crop type, such as cereals, roots and tubers, pulses, oilseeds and nuts, fruits and vegetables, fibre crops, and permanent crops.

3.3.1 Number of Agricultural Households in the Household Sector Reporting Crops

Out of the 40.22million agricultural households in Nigeria, 36.19million (89.97 percent) were involved in crop production during the 2022/2023 agricultural season. Across the states, Kano recorded the largest number of households engaged in crop production in the major planting season with

2.17million. Other states with very significant number of households engaged in crop production are Kaduna, Bauchi, and Benue with 1.89million, 1.93million and 1.80million respectively while Bayelsa (276,140) and Lagos (191,640) states recorded the lowest.



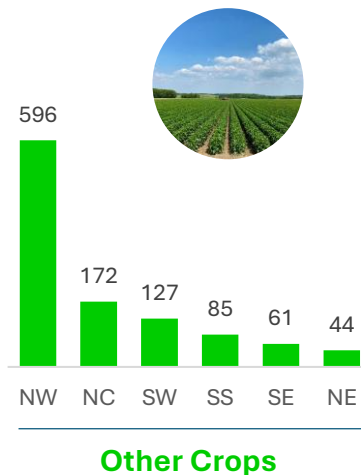
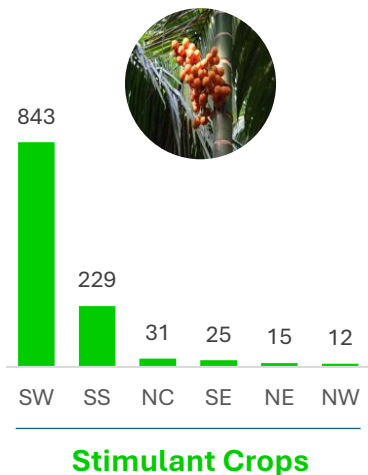
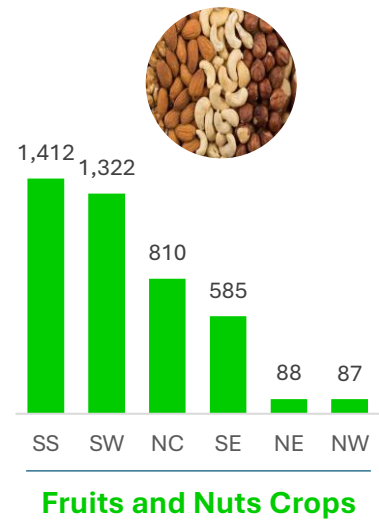
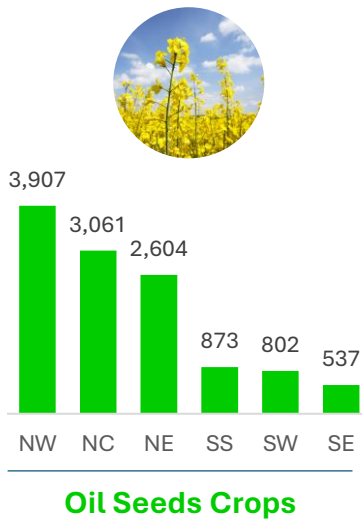
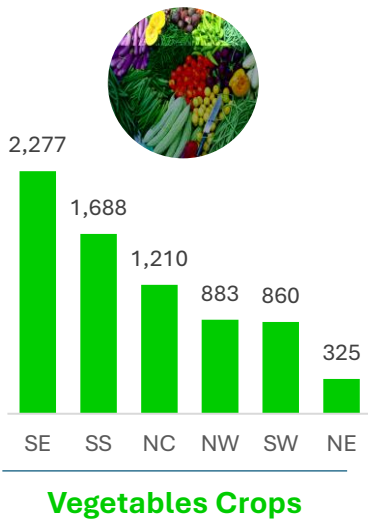
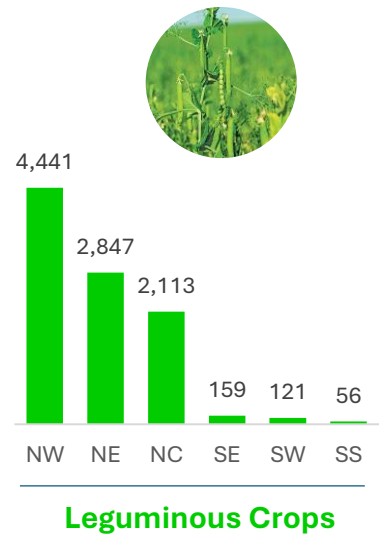
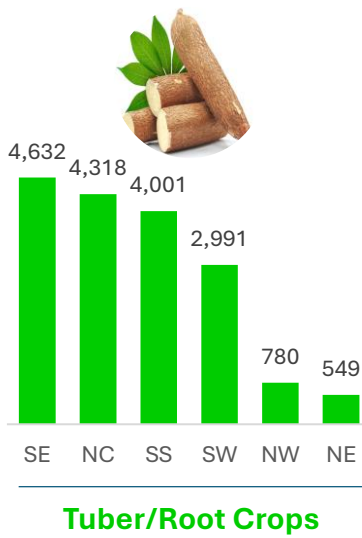
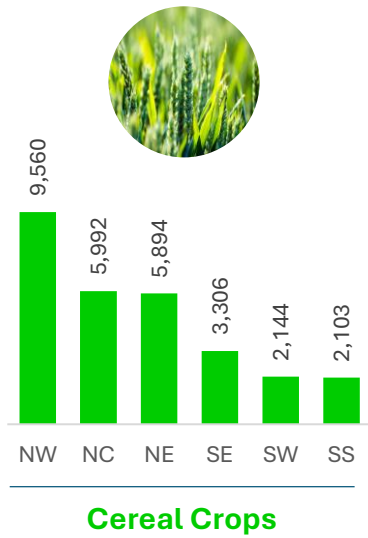
3.3.2 Crop categories in the Agricultural Household in the Major and Minor season

The agricultural landscape in Nigeria features significant variations in crop distribution across different region. In the major season, cereal crops are mainly cultivated in the North, with the North-West zone having the highest with 9.56million households. Tuber and root crops are mostly grown in the southern regions, particularly in the South-East with 4.63million households. Oil seeds are predominantly grown in the

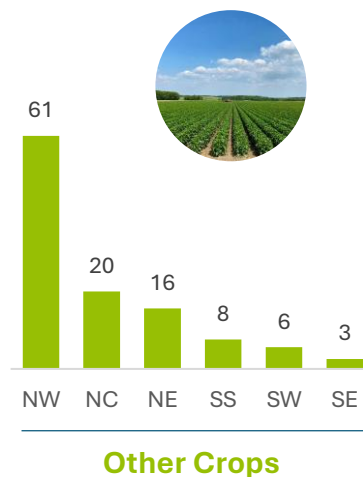
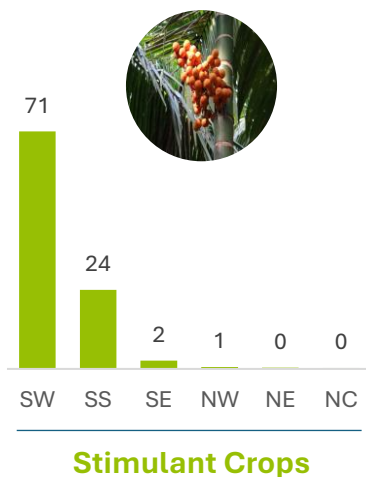
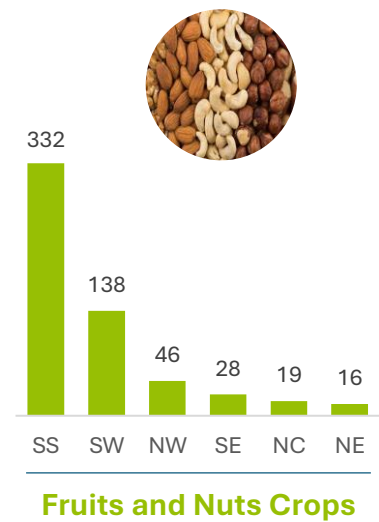
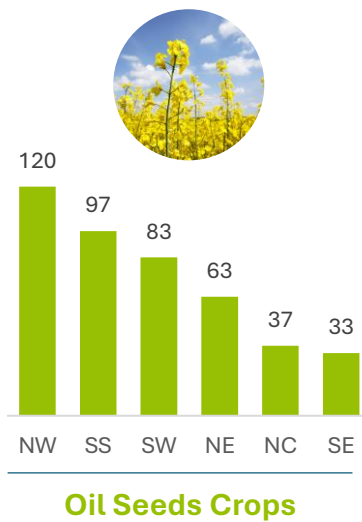
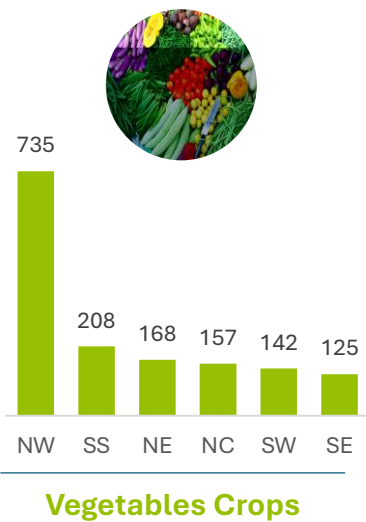
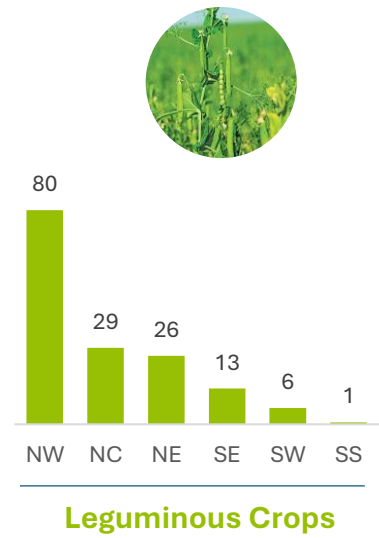
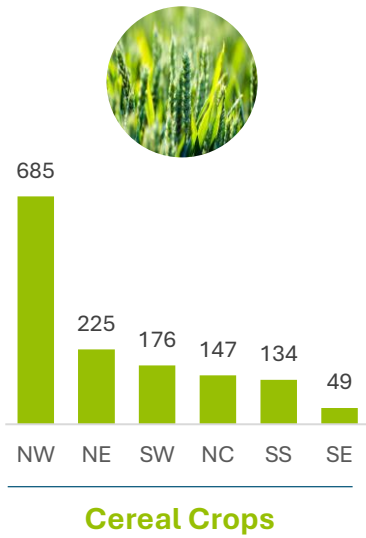
northern zones, especially in the North-West with 3.91million households.

In the minor season, the number of households who engaged in tuber and root crops cultivation, was 2.33million with the South-South zone recording the highest (1.27million households). Stimulant crops represented the lowest with only 98,820 households.

Crop categories in the Agricultural Household in the Major Season ('000)



Crop categories in the Agricultural Household in the Minor Season ('000)



Area Planted, Harvested, Yield and Production for Selected Crops

Crop production during the 2022/2023 agricultural year varied significantly across different regions. In the major season, maize had the highest planted and harvested area at 13.50million and 12.26million hectares respectively. Cassava led in total harvested quantity, reaching 21.90billion kilograms, while oranges recorded the highest yield per hectare at 18,257 kg/ha.

During the minor season, rice recorded the highest planted and harvested area at 937,871 and 796,624 hectares respectively, onions had the highest harvested quantity at 2.67billion kilograms, and sugar cane had the highest yield per hectare at 14,014 kg/ha.

3.3.3 Cereal Crops

Maize stands as the most widely cultivated cereal crop during the major season, with 20.34million households cultivating. The North-West and North-Central regions are the primary maize-producing areas, particularly in Kaduna (1.70million households) and Plateau (1.08million households). Guinea corn follows, with 10.49million households cultivating it, predominantly in the North-West, especially in Kano (1.13million households) and

Katsina (949,380 households). Wheat was the least cultivated, by only 54,060 households.

During the minor season, maize continued to be the most grown cereal, with 771,790 households, concentrated in the North-West (264,770 households) and South-West (173,790 households). Acha (fonio) had the lowest cultivation in the minor season, with only 1,080 households.



Agricultural households engaged in cereal crop production during the major season ('000)



Maize

Maize which was the most widely grown cereal crop was cultivated by 20.34 million households during the major season and 771,790 households in the minor season.

The survey data reveals that overall maize production during the major season was 17.35 billion kg with a total planted area of

13.50 million hectares and harvested area of 12.26 million hectares while the national average yield was 1,415 kg/ha. The North-West zone emerged as the leading maize producer (6.12 billion kg). Kaduna (2.80 billion kg), Kano (1.52 billion kg) and Katsina (705.74 million) states contributed

substantially to the zonal output. The North-Central (4.35 billion kg) and North-East (4.81 billion kg) zones also played a significant

role in maize production. In contrast, the South-East and South-South zones had relatively lower maize production.



During the minor season, Kano state reported the highest harvested area with 108,353 ha. Kaduna reported the highest quantity with 183.32 million kg and Rivers recorded the highest yield/ha with 2,610 kg.

The results further indicates that the primary reason for the harvested area of maize being

smaller than the planted area was due to pest and disease infestations, affecting 6.07 percent of the plots cultivated.

Out of 17.35 billion kg harvested, 59.99 million kg was used as animal feed, and 2.19 billion kg was consumed.

Rice

In the major season, rice was cultivated by 8.47million households, with the North-West zone reporting the highest at 3.49million households while South-West reported the lowest with 53,670 households. The survey findings revealed that rice production during major season was

13.04billion kg with a total planted area of 9.76million hectares while harvested area was 8.42million hectares. The national average yield was 1,549 kg/ha. The North-West zone emerged as the major rice producer with Kaduna and Kano producing 1.64billion kg and 1.63billion kg, respectively.

The North-East and North-Central zones also played leading roles in production with 3.71billion kg and 3.31billion kg respectively.

The South-South (470.71million kg) and South-East (308.00million kg) zones had relatively lower rice production. (Table 17.1)



In the minor season, rice cultivation was reported by 605,870 households. Across the states, Jigawa state recorded the largest harvested area at 157,266 hectares and the highest harvested quantity at 341.65million kilograms. Kaduna state achieved the highest yield per hectare, with a yield of 2,286 kg/ha.

Further analysis showed that the major reason for the harvested area being smaller than the planted area was due to too much rain/flood accounting for 8.66 percent of the plots.

3.3.4 Tubers, Root and Bulb crops

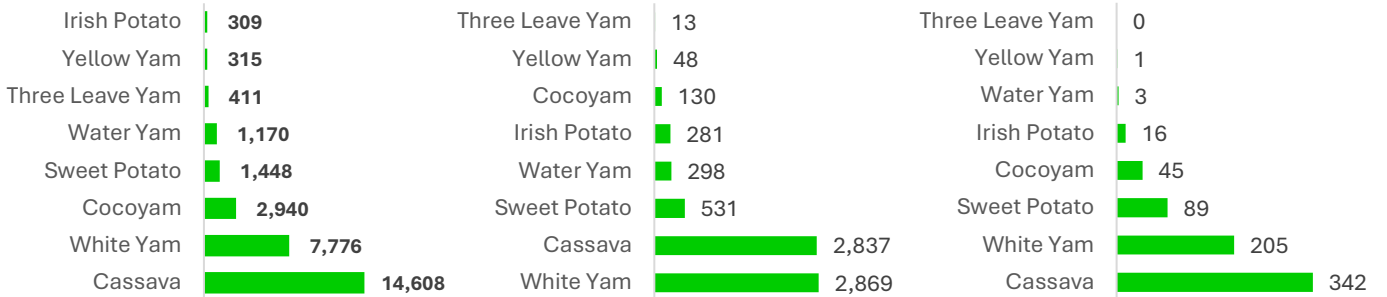
In Nigeria, cassava is the most widely cultivated tuber, with 14.61million households involved, followed by White yam (7.78million households). Irish potato is less commonly grown among tuber crops, with only 309,000 households engaged in its cultivation.



In the minor season, Cassava is the most widely cultivated tuber crop with 1,96million

households while Irish potatoes represent the lowest with 68,870.

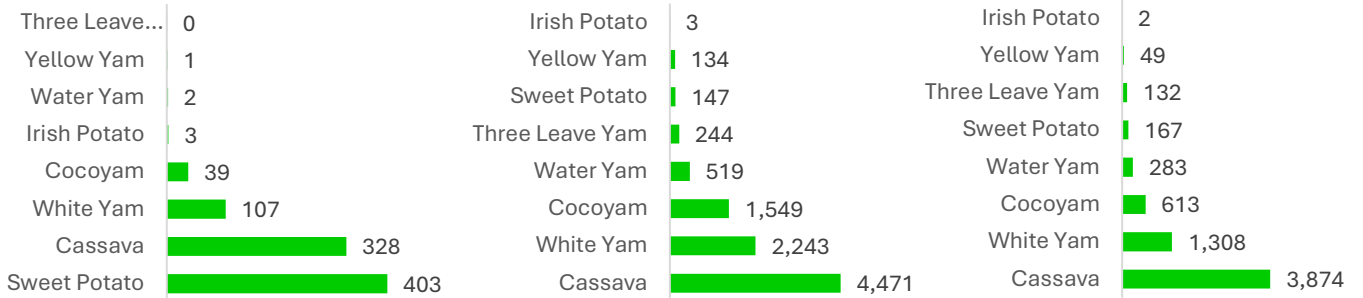
Agricultural households engaged in root/tuber crop production during the major season ('000)



National

North Central

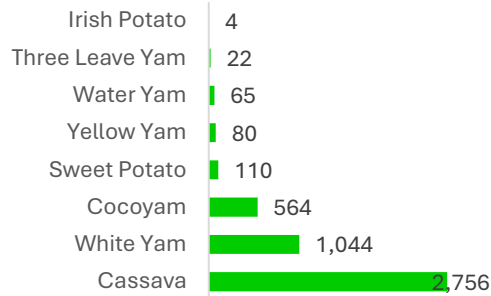
North East



North West

South East

South South



South West

Cassava

Cassava is the major cultivated tuber, with 14.61million households engaged in its cultivation during the major season. In contrast, the data for the minor season shows that 1.96million households cultivate cassava.

Further analysis showed that cassava production during the major season was 21.90billion kg, with a total planted area of 4.73million hectares¹. The national average

yield of 5,280 kg/ha indicates good productivity. The South-West zone emerged as the leading cassava producer, with Oyo and Osun states contributing the highest to the zonal outputs.

Out of the total production of cassava (21.90 billion kg), 2.11 billion kg was consumed, 11.62 billion kg was sold and 6.52 billion kg was processed.



Yam

Households engaged in yam cultivation during the major season were 8.46million. The North-Central zone had the highest number of households cultivating yam with 2.92million households followed by South-

East with 2.58million while the least was recorded in North-West with 111,570.

The survey findings show that yam production was 18.70billion kg, with a total planted area of 3.65million hectares in compact plantations and a harvested area

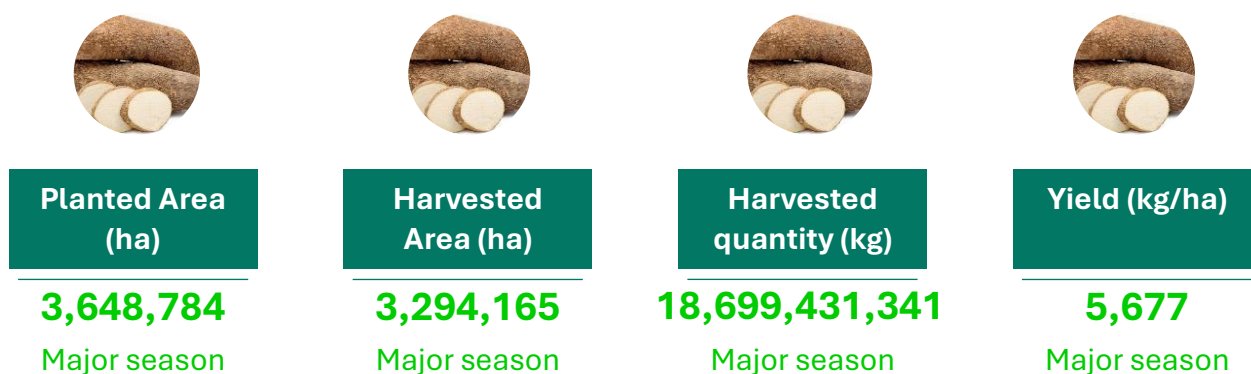
¹ The harvested and planted areas were estimated considering only compact plantations, the yield was

also estimated considering only compact plantations with more than 20 plants.

of 3.29million hectares. The national average yield was 5,677 kg/ha. The North-Central zone led in yam production, with Benue (5.77billion kg), Plateau (1.95billion kg), and Niger (987.76million kg) contributing significantly to the output. The South-South zone was also a major

producer, with Cross River (1.21billion kg) and Delta state (528.56million kg).

White yam (17.24 billion kg) was harvested, of which 5.08million kg were used as animal feed and 2.41billion kg were set aside as seed for the upcoming coming season.



Sweet Potatoes

Sweet potato was cultivated by 1.45million households in the major season as against 144,057 in the minor season.

The analysis showed that sweet potato production reached 883.16million kg nationwide, with a total planted area of 520,762 hectares and a harvested area of 487,262 hectares. Major production was concentrated in Kaduna (158.13million kg) and Kano (142.28million kg) states, while the North-Central zone also contributed significantly, particularly in Plateau

(59.67million kg) and Benue (56.65million kg) states. Production in the South-West (61.31million kg), South-South (50.30million kg), and South-East (30.02million kg) zones was comparatively low. The national average yield was recorded at 1,813 kg per hectare.

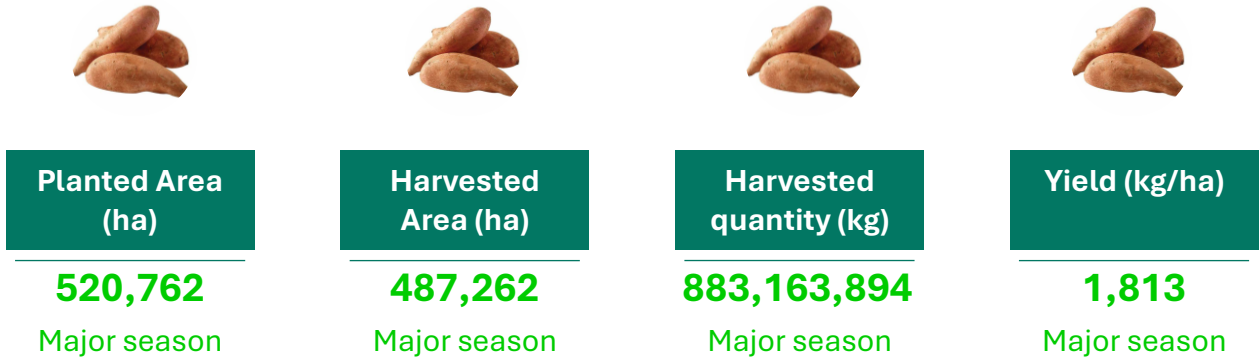
Findings showed that the main cause for the harvested area being smaller than the planted area was pest and disease outbreaks, affecting 36.88 percent of the plots.

144,057 households
Minor season



1,448,360 households
Major season

Sweet Potatoes cultivation by households



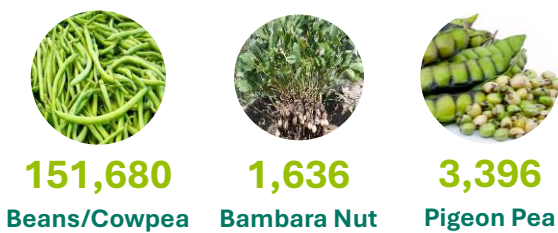
3.3.5 Leguminous Grain Plants Production

Leguminous grain plants, commonly referred to as legumes, provide essential sources of fibre, protein, and carbohydrates, playing a significant role in the diets and livelihoods of many Nigerian households. The key leguminous crops produced in Nigeria includes beans, Bambara nuts, and pigeon peas.

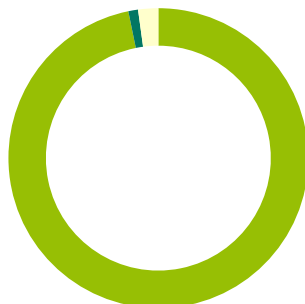
During the major season, beans was the most cultivated leguminous crop, accounting for 95.66 percent of the

households growing leguminous crops, followed by Bambara nuts (3.98 percent) and pigeon peas (0.37 percent).

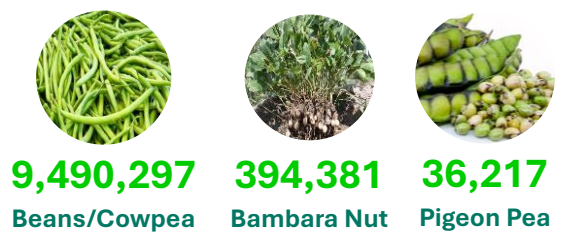
Number of households growing leguminous crops in minor season



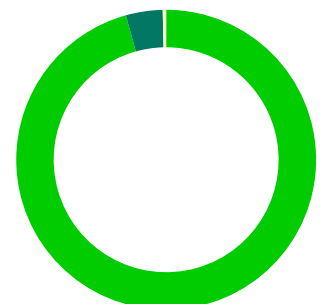
- Beans/Cowpea (96.8%)
- Bambara Nut (1.0%)
- Pigeon Pea (2.2%)



Number of households growing leguminous crops in major season



- Beans/Cowpea (95.7%)
- Bambara Nut (4.0%)
- Pigeon Pea (0.4%)



Similarly, in the minor season, beans maintained its dominance with 96.79

percent, followed by pigeon peas at 2.17 percent and Bambara nuts at 1.04 percent.

Beans

During the major season, approximately 9.49 million households engaged in beans farming, with the North-West zone recording the highest number of cultivating households at approximately 4.42 million, followed by the North-East with approximately 2.8million households and

North-Central with approximately 1.98 million households. On a state basis, Katsina state had the highest beans-cultivating households with 892,150, followed by Bauchi and Kano with 853,160 and 823,940 households.



In the minor season, 151,680 households cultivated beans, with the North-West zone recording the highest households (80,150). Disaggregation by state for the minor season shows that Kano had the highest number of beans-growing households with 37,600 households.

area of 5,535,586 hectares while harvested area was 4,926,684 hectares. The national average yield 908 kg/ha.

Further analysis revealed that excessive rain and flooding were the main reasons the harvested area was smaller than the planted area, affecting 6.45 percent of the plots.

The survey revealed that beans production was 4,475,665,155 kg with a total planted

Bambara Nuts

Bambara nuts were cultivated by 394,380 households during the major season. The North-Central zone led with 166,220 households, followed by North-East with 118,100 households. Benue State recorded the highest number of Bambara nut growers, totalling about 106,790 households. During the minor season, Bambara nuts were cultivated by 1,640 households, with the North-Central zone accounting for the

highest number of households (710). Kano state led with 580 households growing Bambara nuts in the minor season.



Pigeon Peas

Pigeon peas were grown by 36,220 households in the major season, with the North-Central zone having the highest (30,270) number of cultivating households. At the state level, Kogi recorded the highest number of households growing pigeon pea (26,520). During the minor season, pigeon peas were grown by 3,400 households, with the North-Central zone being the sole region

cultivating pigeon peas. Kogi State had the highest number of households growing pigeon peas, with 1,550 households.



3.3.6 Vegetable Crop Production

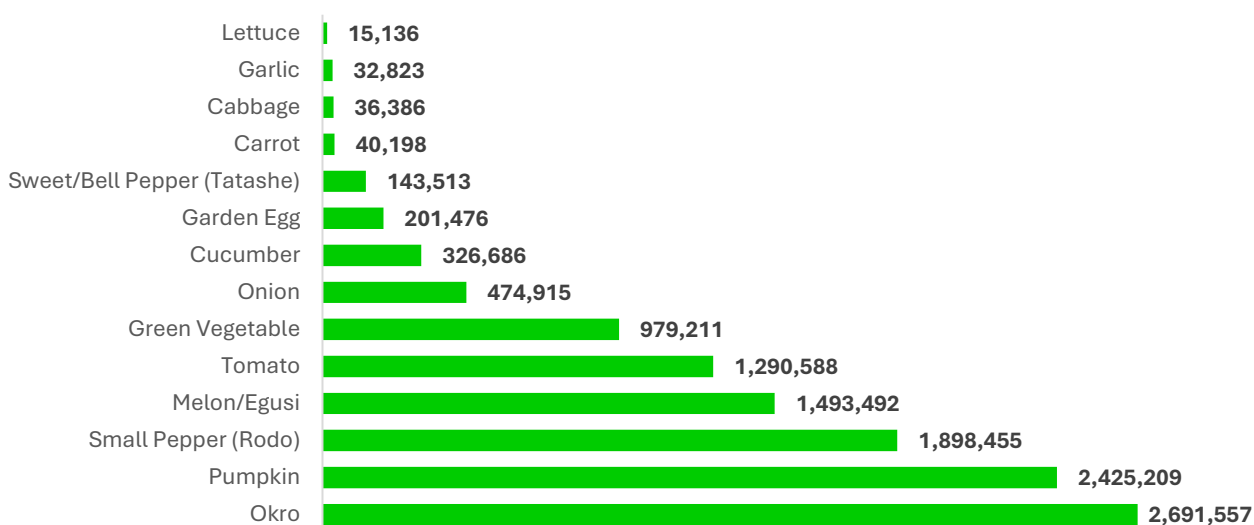


Nigerian households cultivate a wide range of vegetable crops, including melon, carrot, cucumber, cabbage, lettuce, garden egg, garlic, okra, onion, sweet/bell pepper, pumpkin, green vegetables, and tomato. This diversity contributes significantly to the nation's agricultural output, supporting the nutritional needs and food traditions of communities.

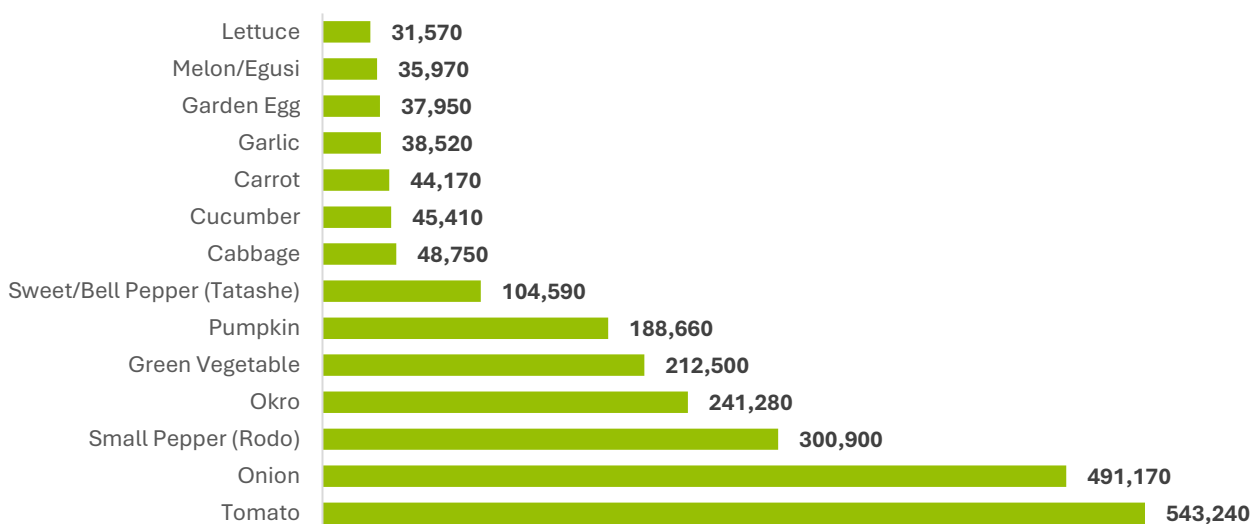
In the major season, okra was the most commonly cultivated vegetable, grown by 37.16 percent of households engaged in vegetable farming. This was followed by pumpkin (33.48 percent), small peppers (26.21 percent), melon (20.62 percent), tomato (17.82 percent), and green vegetables (13.52 percent).

During the minor season, Tomato (35.40 percent) was the most cultivated vegetable crop, followed by Onion (32.01 percent), small pepper (19.61 percent), Okra (15.72 percent), vegetable (13.85 percent), and Pumpkin (12.30 percent).

Agricultural households engaged in vegetable crop production during the major season



Agricultural households engaged in vegetable crop production during the minor season



Okra

Okra is one of the most cultivated vegetables in Nigeria, with 2.69 million households engaged in okra farming during the major season. The South-East zone led in Okra production with 948,030, followed by South-South with 709,910 households and North-Central with 442,770 households. The top producing states are Akwa-Ibom,

Ebonyi and Abia with 265,200; 261,940 and 255,860 households respectively. During the minor season 241,280 households cultivated okra, with the South-South zone leading at 78,340 households. Bayelsa state recorded the highest number of okra-growing households, with 25,040.



Nationally, Okra production for the agricultural year reached 815.54 million kg, with an average yield of 1,455 kg per hectare. The total planted area was 633,397 hectares, while the harvested area was 560,421

hectares. In terms of total harvested quantity per state Delta had the highest with 178.91 million kg, followed by Kaduna with 70.50 million kg.

Pumpkin

Nationally, 2.42 million households cultivated pumpkin during the major season. The South-East zone had the largest number of households involved in pumpkin cultivation, with around 1.41 million

households. Abia state recorded the highest number of pumpkin-growing households, with 472,700. During the minor season, 188,660 households cultivated pumpkin,

with the South-South zone leading at 96,290 households.

The findings shows that pumpkin fruit production during the major season was

219.21 million kg with a total area planted of 246,659 hectares and harvested area of 134,424 hectares while the national average yield of pumpkin fruit was 1,584 kg/ha.

188,660
households
Minor season



2,425,209
households
Major season

Pumpkin cultivation by households

Tomato

In Nigeria, 1.29 million households cultivated tomatoes during the major season. The South-West had the highest number of tomato-growing households by zone, with 421,150 households.

Tomato production during the major season was 1.2 billion kg, with a total planted area of 805,057 hectares while harvested area was 655,327 hectares and an average yield

of 1,833 kg/ha. The North-Central (449.46 million kg) had the highest quantity harvested while the least was in South-East (13.54 million kg).

During the minor season, 543,240 households cultivated tomatoes, with the North-West zone leading at 331,550 households. Quantity harvested during the minor season was 2.25 million kg.

543,240
households
Minor season



1,290,590
households
Major season

Tomato cultivation by households



Planted Area (ha)

805,057

Major season



Harvested Area (ha)

655,327

Major season



Harvested quantity (kg)

1,201,305,536

Major season



Yield (kg/ha)

1,833

Major season

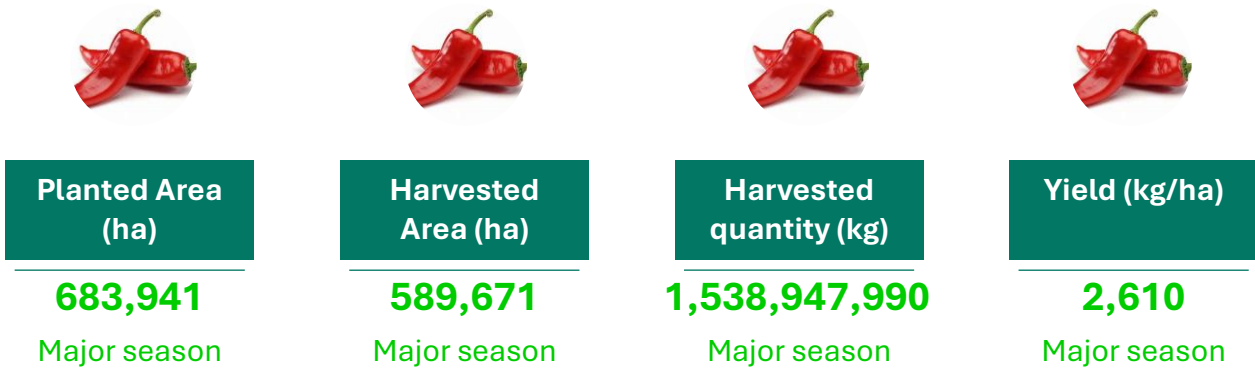
Chilli Pepper (Shombo)

Chilli pepper was cultivated by almost 1.90 million households during the major season, with the South-West zone recording the highest number of cultivating households at 411,510.

Survey result indicates that chilli pepper production during the major season totalled

1.54 billion kg, with an average yield of 2,610 kg per hectare. The total planted area was 683,941 hectares, and the harvested area was 589,671 hectares.

In the minor season, chilli pepper cultivation involved 97,760 households nationwide.



Small Pepper (Rodo)

During the major season, small pepper was cultivated by 1.89 million households. The South-West zone recorded the highest number of cultivating households, with 411,510 households.

Total quantity harvested during the major season was 1.54 billion kg, on a total planted area of 683,941 hectares while harvested area was 589,671 hectares and an average yield of 2,610 kg/ha.



During the minor season, 300,900 households cultivated small pepper, with the North-West zone having the highest number of households (146,250) engaged, in comparison to the other zones.

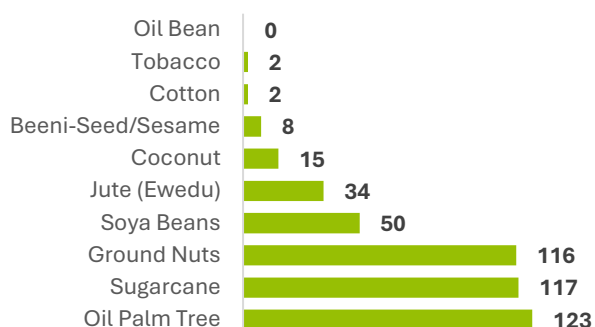
The production during the minor season was 841.17 million kg. The planted area was 271,846 hectares while harvested area was 226,485 hectares.

3.3.7 Oil-seeds Crops Production

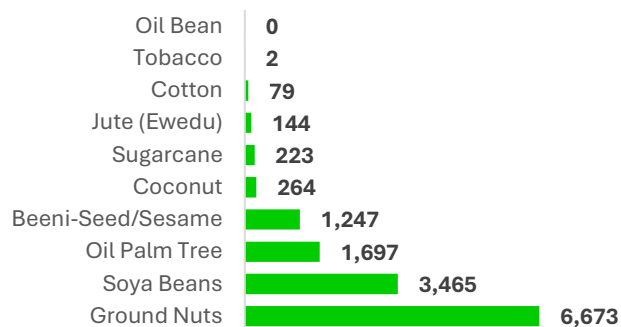
During the major season, Groundnut (56.63 percent) was the most cultivated oil-seeds crop, followed by Soya-bean (29.40 percent),

Oil-palm (14.40 percent) and Sesame seed (10.58 percent).

Agricultural households engaged in oil-seed crop production



Minor season



Major season

During the minor season, Oil-palm (25.88 percent) was the most cultivated crop, followed by sugarcane (24.65 percent),

groundnut (24.42 percent) and soya-bean (10.42 percent).

Groundnut

During the major season, Groundnut was cultivated by 6.67 million households with the North-West zone taking the lead with 2.32 million followed by the North-Central zone with 2.07 million. The key producing states include Benue which has the highest number of producing households with

935,800 followed by Bauchi with 629,580 and Niger with 451,600 households.

The total area planted with groundnut was 4,595,502 ha of which 4,279,363 ha was harvested, resulting in a total production of 4.23 billion kg. The average yield was 989 kg/ha.



Planted Area (ha)	Harvested Area (ha)	Harvested quantity (kg)	Yield (kg/ha)
4,595,502 Major season	4,279,363 Major season	4,231,093,340 Major season	989 Major season
141,598 Minor season	63,887 Minor season	60,897,248 Minor season	953 Minor season

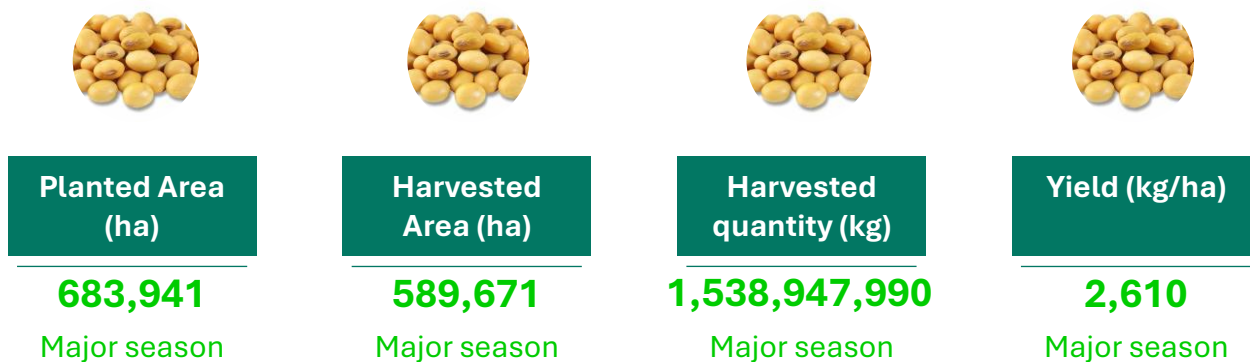
During the minor season, groundnut was cultivated by 116,030 households in Nigeria with the North-West zone being the highest with 40,080 households, followed by North-East zone with 26,410 households. The total

planted area recorded during this season was 141,598 ha while the harvested area was 63,887 ha with production of 60.90 million kg and average yield of 953 kg/ha.

Soya-bean

During the major season, it was cultivated by 3.47 million households with the North-West zone taking the lead with 1.56 million households, followed by the North-Central Zone with 1.24 million households. The key producing states includes Kaduna, which is the highest producing state with 586,910 households, followed by Benue with 556,660 and Kano with 481,700 households.

Further analysis showed that soyabean production during the agricultural year was 2.43 billion kg, with a total planted area of 2.7 million hectares while harvested area was 2.49 million hectares. The national average yield was 973 kg/ha. The North Central zone emerged as the leading soybeans producer (956.42 million kg) followed by North-West (926.14 million kg).



During the minor season, soya bean was cultivated by 49,510 households. Since it thrives significantly only in the Northern

region of the country in this minor season, the North-West zone recorded the highest with 42,320 households while.

Oil-palm

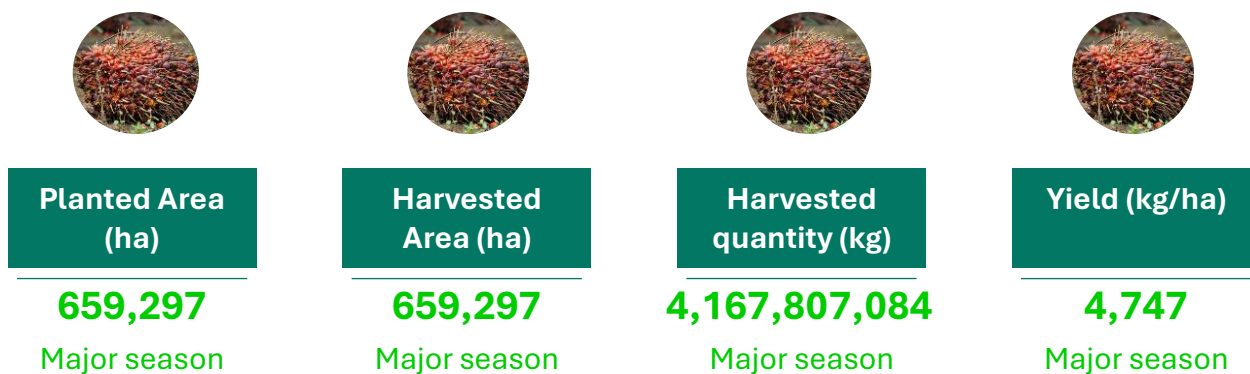
During the major season, 1.70 million households cultivated oil-palm in Nigeria with the South-South zone taking the lead with 613,810 households, followed by South-West zone with 516,180 household and South-East zone with 397,020 households.

The total area planted with oil palm in the major season was 805,057 hectares of which 655,327 hectare was harvested, resulting in a total production of 1.72 billion kg. The average yield was 2,630 kg/ha².



² The harvested and planted areas were estimated considering only compact plantations, the yield was

also estimated considering only compact plantations with more than 20 plants



Beni/Sesame seeds

During the major season, 1.25 million households cultivated sesame in Nigeria. The North-West zone accounted for the highest number of households producing the crop with 469,070 households, followed by the North-East zone with 453,750

households and North-Central zone with 281,230 households. The top producing states includes Jigawa, Bauchi and Yobe with 298,660; 202,710 and 110,230 households respectively.



Further analysis showed that total production during the major season was 412.89 million kg, with a total planted area of 951,969 hectares while harvested area was 829,719 hectares. The national average yield

of 498 kg/ha was recorded. The North-East zone had the highest quantity of benni seed produced with 192.71 million kg, followed by the North-West (111.44 million kg) and North-Central zones (101.52 million kg).

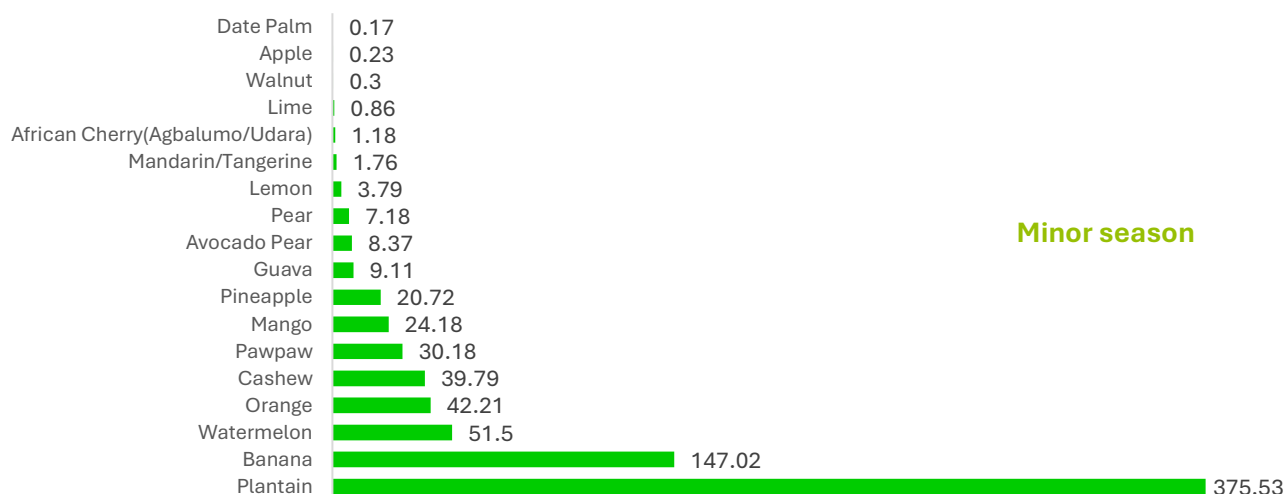
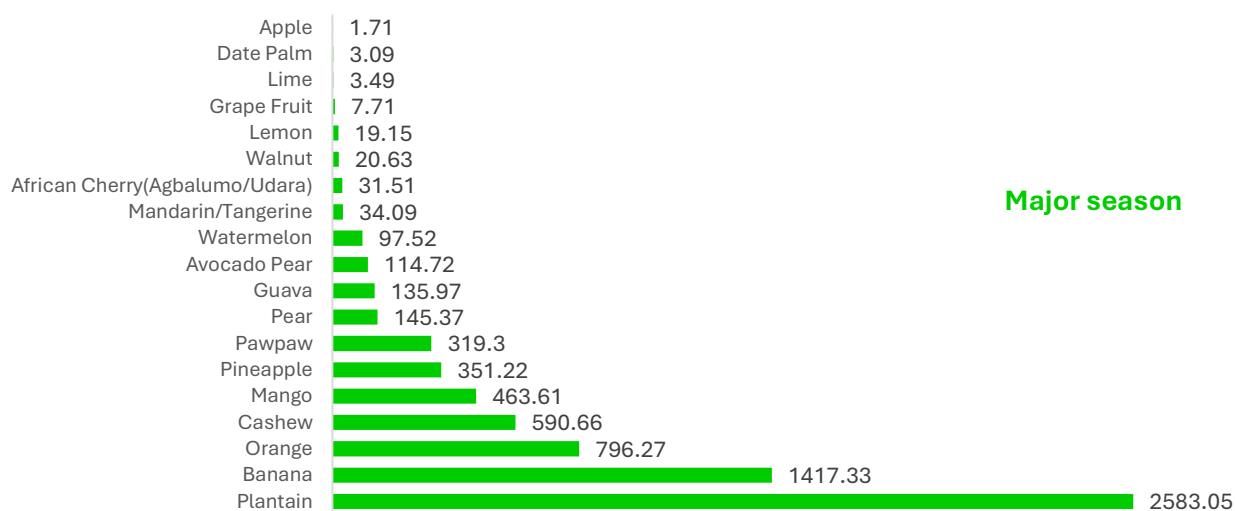
3.3.8 Fruits and Nuts Crops

The fruits and nuts category of crops in Nigeria comprises of Banana, Pineapple, Plantain, Walnut, Apple, Cashew, Grapefruit, Guava, Lemon, Lime, Mandarin/ Tangerine, Mango, Orange, Pawpaw, Pear, Avocado Pear, Date Palm, African Cherry (Agbalumo/Udara) and Watermelon.

From the listed crops in the major season, Plantain is the most cultivated crop by the households (2.58 million households),

followed by Banana (1.42 million households), while Apple had the least with 1,710 households.

Agricultural households engaged in fruits and nuts crop production ('000)



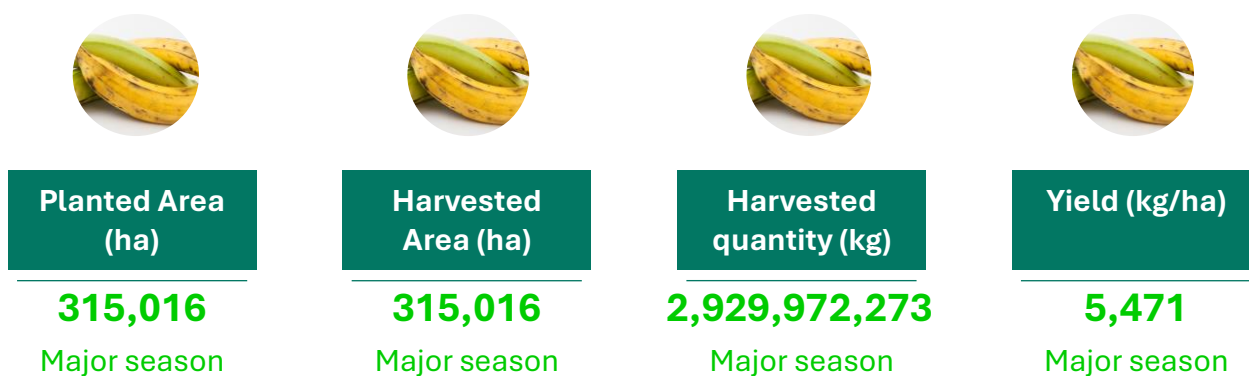
During the minor season, plantain and banana remained the most widely cultivated crops, with 375,530 and 147,020 households respectively. In contrast, apples

had the least number of households involved in its cultivation, with only 230 households

Plantain

The survey result revealed that about 2.5million households cultivated plantain in the major season nationally. Akwa-Ibom State had the highest number of households with 21.43 percent, followed by Osun State with 9.37 percent of the total households producing plantain.

The total area planted was 315,016 hectares with an estimated harvest of 2.93billion kg. The South-West zone was the highest producer of plantain with 1.47billion kg.



Banana

The number of households that cultivated Banana in the major season was 1.42million. Disaggregating by states, Akwa-Ibom State (21.22 percent) reported the highest followed by Osun State with 16.32 percent.

The total planted area for banana was 91,560 hectares. The quantity produced

was 1.12billion kg. Across the zones, South-West zone reported the highest quantity produced with 678.43 million kg, followed by South-South (242.31million kg) while the least was recorded in North-West with 30.24million kg.

4,751,196
households

Minor season



1,417,330
households

Major season

Banana seeds cultivation by households



**Planted Area
(ha)**

91,560

Major season



**Harvested
Area (ha)**

91,560

Major season



**Harvested
quantity (kg)**

1,124,137,967

Major season



Yield (kg/ha)

6,249

Major season

Cashew

Nationally, 590,660 households cultivated cashew. Analysis by state showed that more households in Kogi and Oyo state cultivated cashew with 192,210 and 160,410 households respectively.

Overall, a total of 152.01million kg was produced in Nigeria with an average yield of

261 kg/ha. The total planted area was 458,825 hectares. Oyo in the South-West zone was the highest producer with 59.82million kg. (The harvested and planted areas were estimated considering only compact plantations, the yield only compact plantations with more than 20 plants).

39,790
households

Minor season



590,660
households

Major season

Cashew seeds cultivation by households



**Planted Area
(ha)**

458,825

Major season



**Harvested
Area (ha)**

458,825

Major season



**Harvested
quantity (kg)**

152,014,262

Major season



Yield (kg/ha)

261

Major season

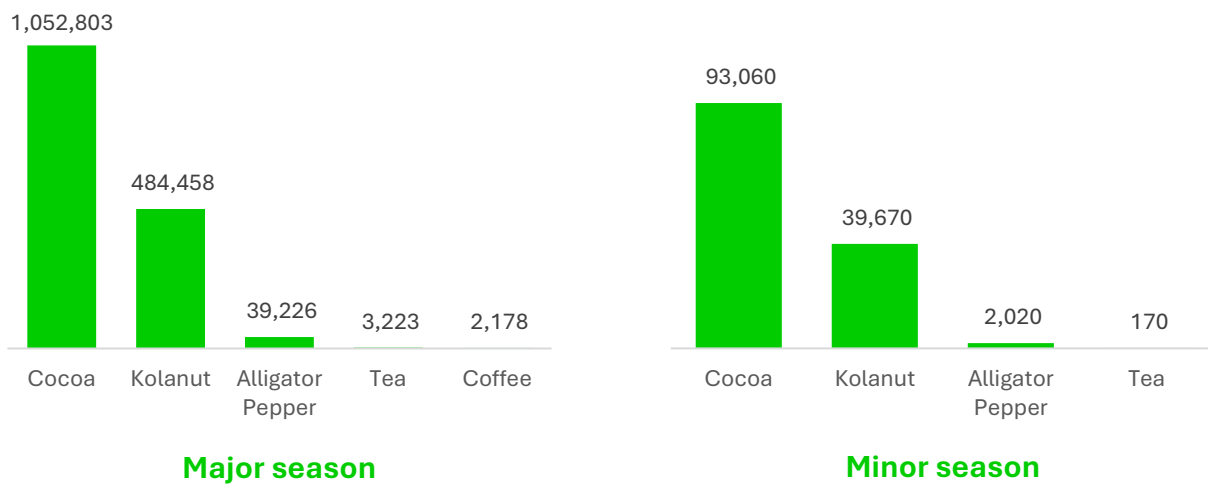
3.3.9 Stimulant crops

Stimulant crops grown in the 2022/2023 farming season include Tea, Cocoa, Alligator Pepper and Kolanut. The survey results revealed that stimulant crops are not majorly cultivated in Nigeria with very few households being engaged.

Cocoa is widely reported among the household (1.05million) cultivating stimulant crops followed by Kolanut with

484,460 households while the least cultivated is coffee with only 2,180 households.

Agricultural households engaged in stimulant crop production



Cocoa

Cocoa was the most cultivated stimulant crop in the 2022/2023 farming season with 1.05 million households. Distribution by states revealed that 31.82 percent of the Cocoa producing households are in Osun State followed by Ondo State with 28.30 Percent.

Total area planted was 722,266 hectares with a total quantity of 501.93 million kg harvested. The South-West zone was the highest producer of banana with 365.13 million kg. The national average yield was 405 kg/ha³.



Kolanut

Kolanut was the second most cultivated stimulant crop with 484,460 households engaged. Further analysis by state revealed that Osun State had the highest number of households with 44.07 percent followed by Ondo State with 27.57 percent.



³ The harvested and planted areas were estimated considering only compact plantations, the yield only compact plantations with more than 20 plants

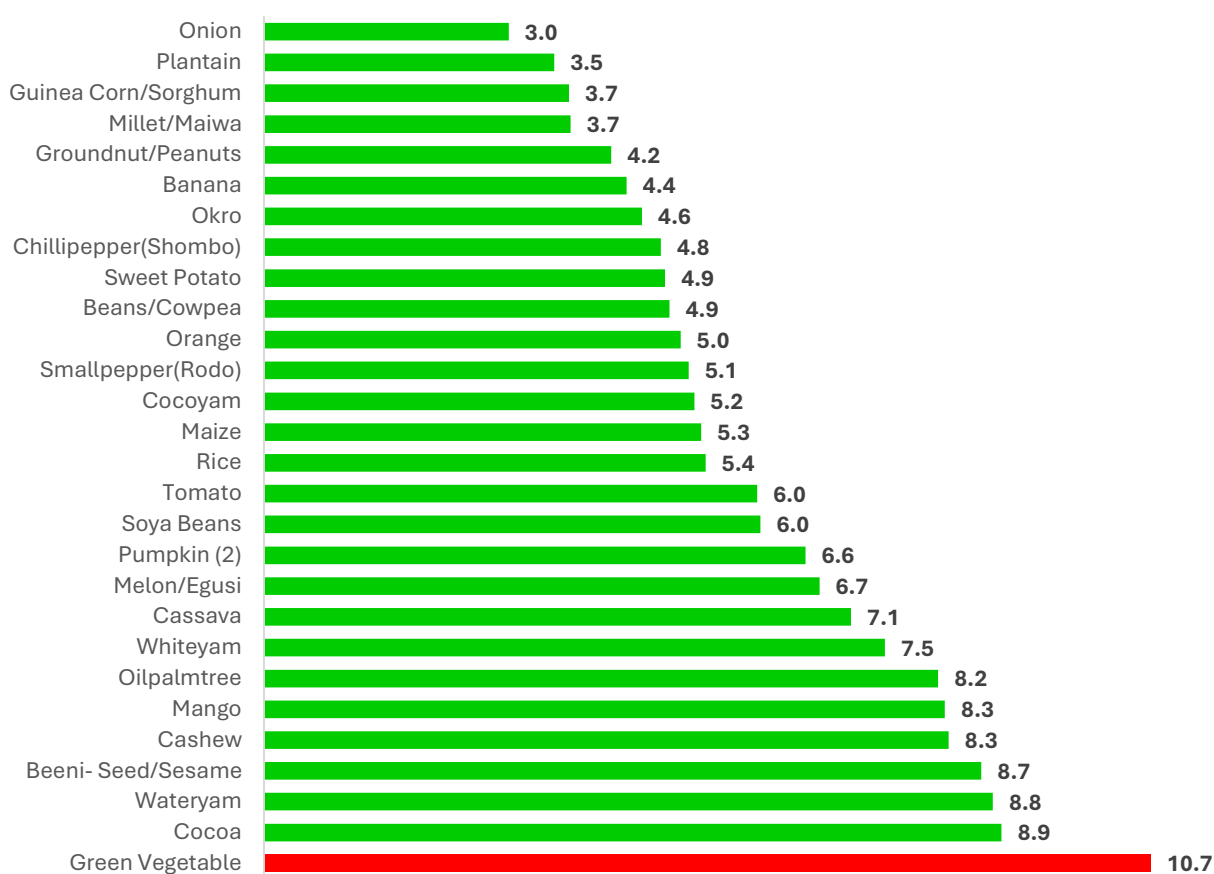
3.3.11: Crop Losses During or after Harvesting

Harvest Losses

At the national level, green vegetables experienced the highest harvest losses with 10.75 percent of the total quantity harvested. Cocoa followed closely with an 8.94 percent

loss. Other notable losses included melon (egusi) at 6.73 percent and sesame (benni seed) at 8.69 percent.

Percentage Lost during harvest

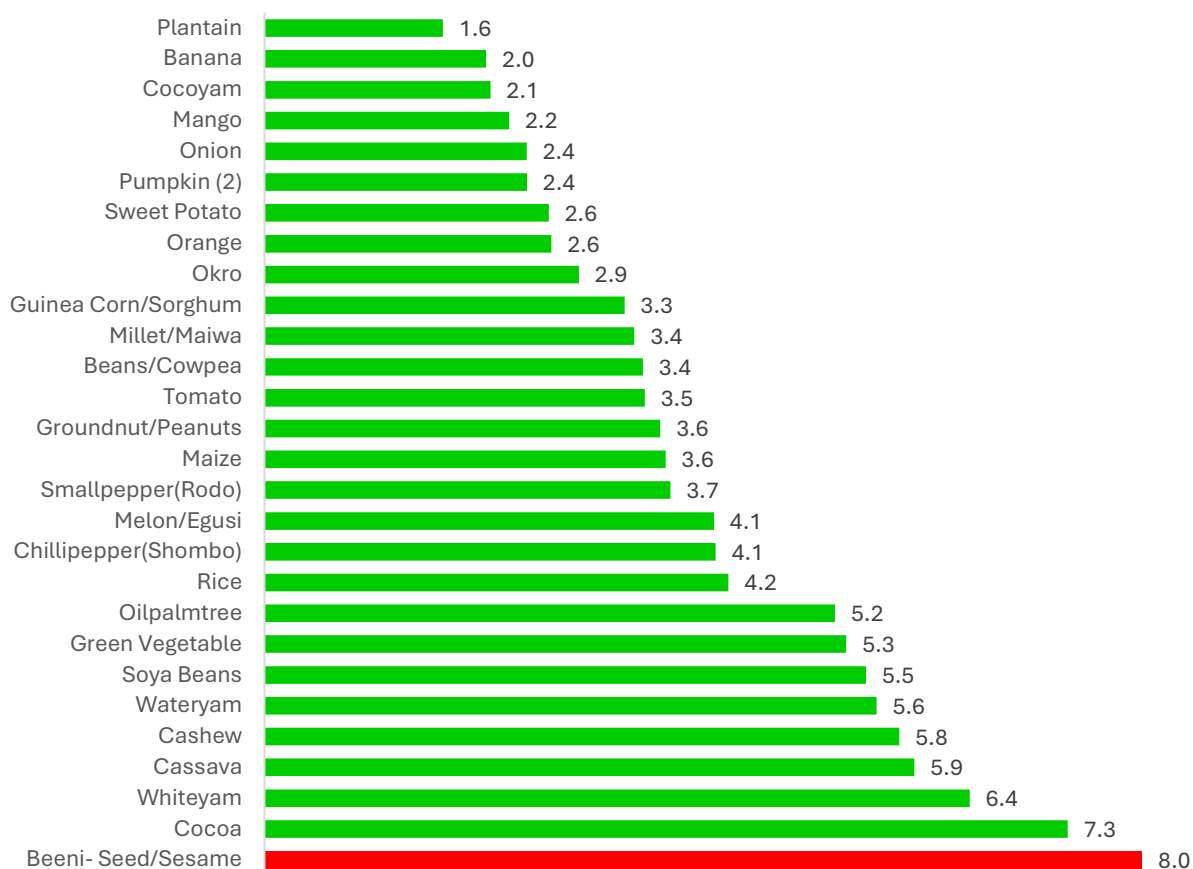


Post-Harvest Losses

During post-harvest activities, sesame (benni seed) experienced the highest losses, amounting to 7.98 percent of the harvested quantity. White yam also had losses 6.41

percent. Plantain and sweet potato had relatively lower post-harvest losses, recorded at 1.62 percent and 2.58 percent respectively.

Percentage Lost during post harvesting activities and transport

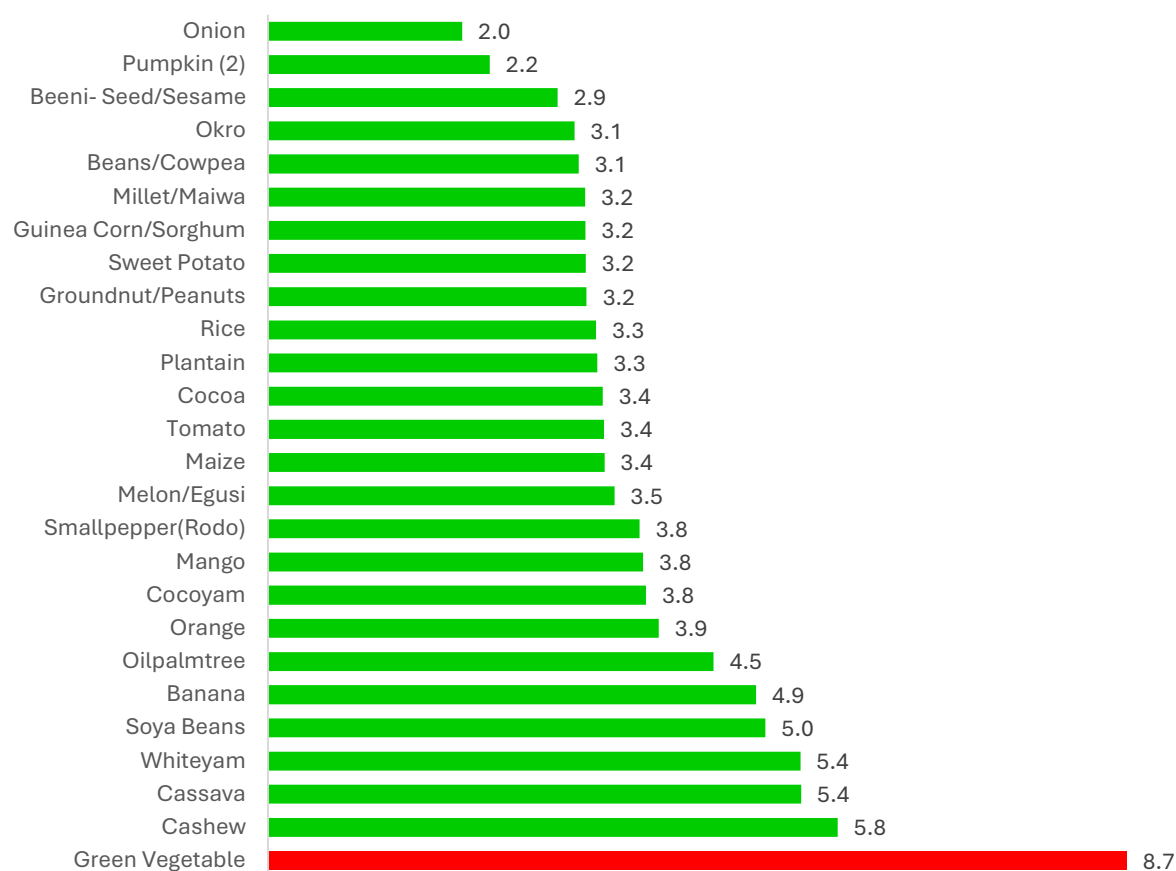


Storage Losses

The distribution shows a wide variation in storage losses across different crops. Green vegetables had the highest storage losses at 8.67 percent followed by cashew 5.75

percent, both cassava and white yam suffered a loss of 5.38 percent each. The crop that suffered least storage loss was onion (1.96 percent).

Percentage Lost during storage



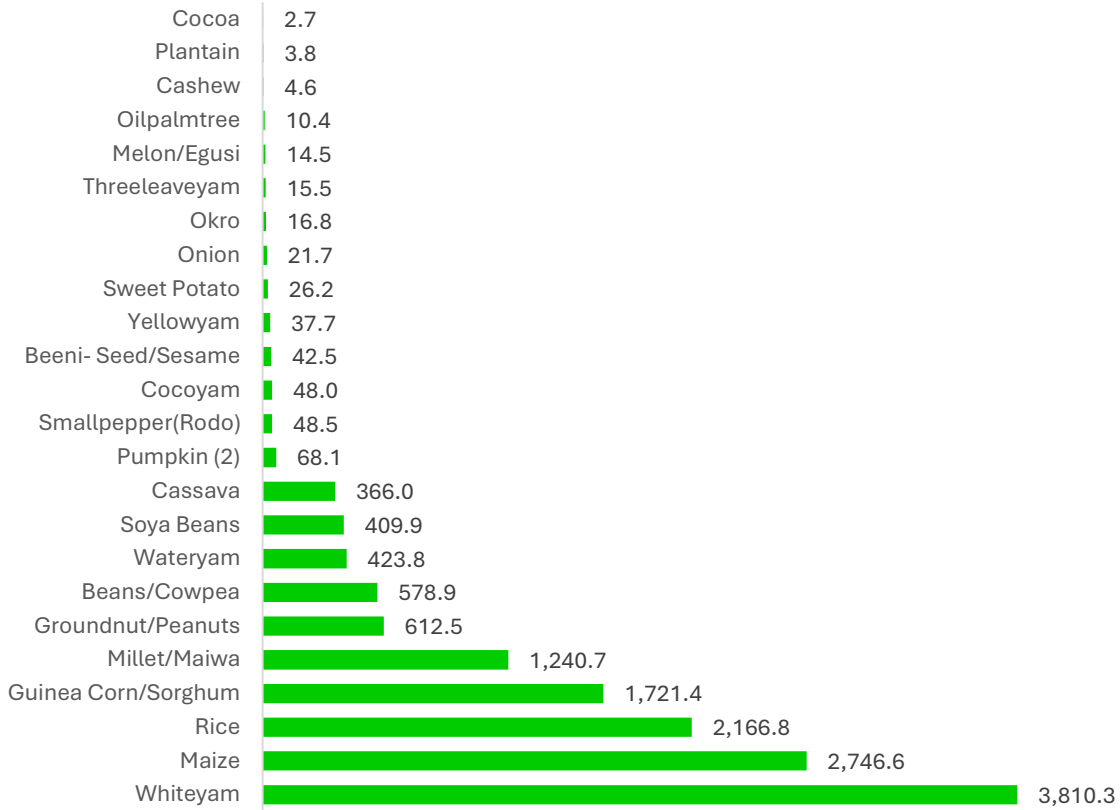
3.3.12 Harvested Quantity Stored and Its Uses by Crop, Major Season

Cereals (Maize and Rice)

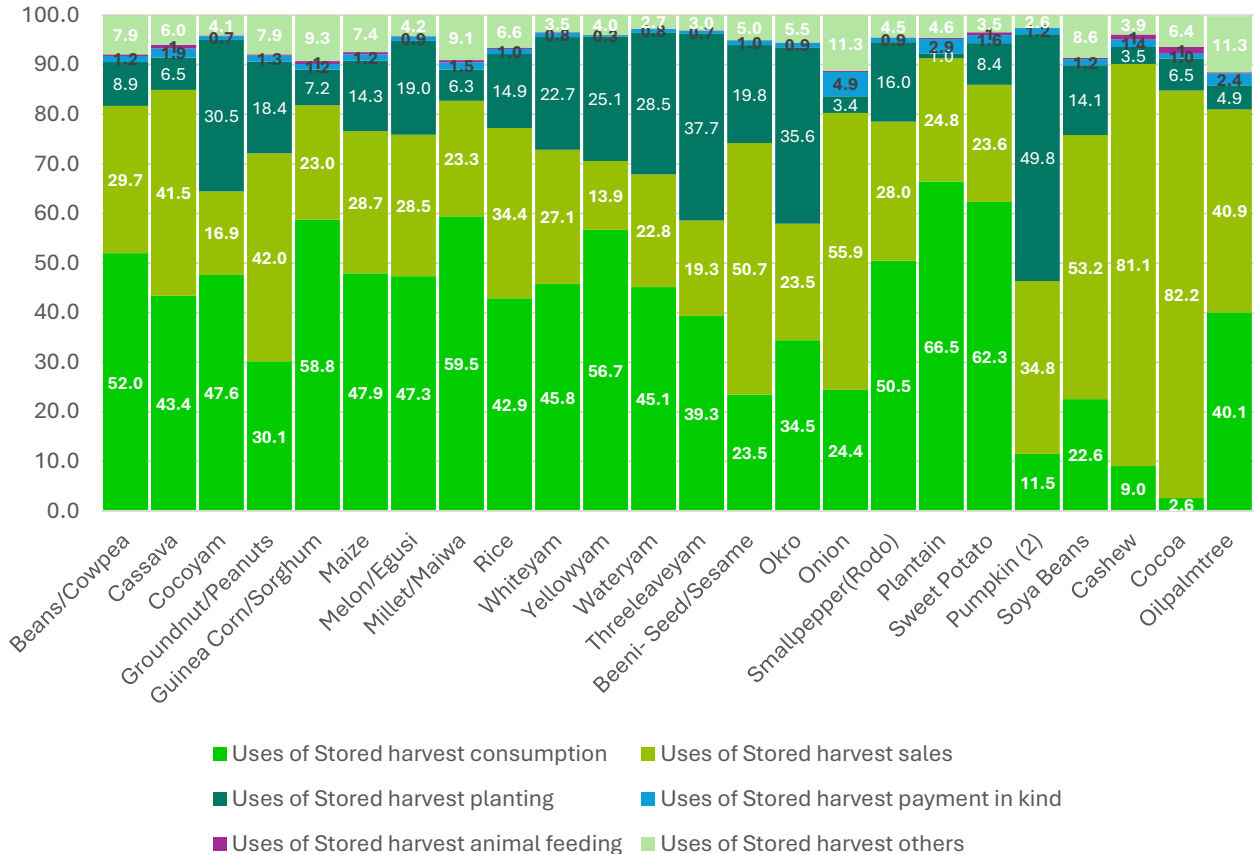
Overall, maize recorded the highest stored harvest quantity at 2.75billion kg, with 47.92 percent designated for household consumption. Rice followed, with a harvested quantity of 2.17billion kg, of which

42.87 percent was used for household consumption. The smallest portion of stored maize and rice, however, was allocated to animal feed, accounting for just 0.48 percent and 0.25 percent, respectively.

Harvest quantity (kg) stored in unprocessed form (millions)



Uses of harvested and stored quantity of crops



Legumes (Beans/Cowpea and Groundnut)

Beans/cowpea had a significant stored harvest quantity of 578.94million kg, with 51.97 percent allocated for household consumption and 29.73 percent designated for sale. In comparison, groundnuts showed a harvested quantity of 612.48million kg,

with a lower household consumption rate of 30.15 percent and 42.02 percent set aside for sale. The smallest portion of stored beans/cowpea and groundnuts, at 0.31 percent and 0.26 percent respectively, was used for livestock feed.

Tuber and Root Crops (White Yam and Cassava)

Within the tuber and root crops category, white yam had a stored quantity of 3.81billion kg, with 45.81 percent allocated for consumption and 27.06 percent for sale. Cassava had a stored quantity of 366.05million kg, with 43.43 percent

designated for consumption and a substantial 41.53 percent for sale. The smallest portion of stored quantities was used for livestock feed, accounting for just 0.10 percent of white yam and 0.76 percent of cassava.

Vegetables and Other Crops (Sweet Potato, Pumpkin and Green Vegetables)

In vegetables and other crop category, sweet potatoes had the highest harvested quantity stored for consumption (62.35 percent) while pumpkin and green vegetables showed lower percentages of 11.54 and

11.94 stored for household consumption respectively. The percentage of sweet potatoes and pumpkin stored for feeding animals are (0.57 percent) and (0.04 percent) respectively.

3.3.29 Harvested Quantity Stored and Its Uses by Zone

The data indicates that the North-East zone reported the highest amount of harvested maize stored (1.04billion kg), while the South-South zone reported the lowest amount (23.37million kg). In addition, the North-East had the highest amount of rice stored of 803.50million kg when compared to other zones. The North-Central recorded a predominant yield over other zones, with

2.62billion kg of white yam stockpiled, whereas 41.87 percent of the white yam was used for domestic consumption and 34.67 percent for sale. In a similar vein, the North-Central (2.14million kg) and South-West (2.01million kg) zones have the highest quantity of stored harvested cashew, with over 70 percent of this output for sales by the households.

3.3.30 Crop Destination by zone

The findings show that of the 24 major crops grown in Nigeria, the harvested quantity sold in unprocessed form was more than the quantity consumed by the households throughout the minor agricultural season.

The North-West zone reported selling the highest quantity of rice at the zonal level, with 454.69million kg and processed a higher amount of maize (85,56million kg) than any other zone in the country.

3.3.31 Harvested Quantity Stored and Its Uses by Zone, Minor Season

Generally, households allocated a large portion of stored crops for consumption, including beans (41.68 percent), rice (41.64 percent), maize (41.19 percent), guinea corn (44.45 percent), millet (49.65 percent), and white yam (45.15 percent). In contrast, only a small portion was stored for sale. Maize

had the highest share allocated to animal feed at 2.63 percent, while small pepper (rodo) had the lowest share at 0.02 percent. Additionally, a significant portion of harvested onion (55.12 percent) was stored for sale, with 23.91 percent kept for unprocessed household consumption.



3.4 Livestock

3.4.1 Introduction

The livestock sector plays a significant role in the economy of Nigeria. The main types of livestock raised include cattle, goats, sheep, pigs, and chicken. Livestock products produced include meat, milk, hides, skin and eggs. Livestock also contributes to crop and vegetable production by providing draft power for cultivation and organic manure. It generates a considerable amount of cash income and determines the household economic and social status in many communities.

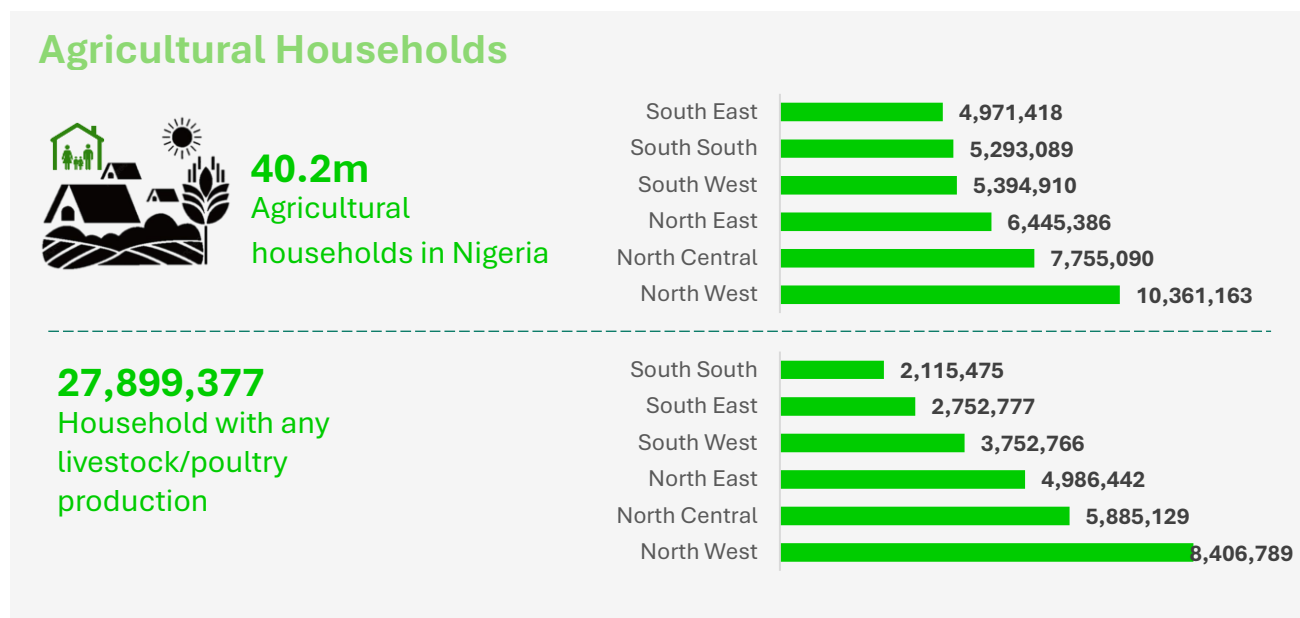
Raising of livestock and poultry in Nigeria is an important agricultural activity undertaken by agricultural households and plays a key role in supporting livelihoods and

providing income in households. Out of the total agricultural households (40,221,056) in Nigeria, 69.37 percent raised livestock and/or poultry during the reference period.

Agricultural Households Raising Livestock or Poultry, by Zone

The zone with the highest number of households raising livestock and poultry was the North-West (8.41million). This was followed by North-Central (5.89million),

North-East (5.00million), South-West (3.75million), South-East (2.75million) and South-South (2.12million).



Agricultural Households Raising poultry by type

The total number of agricultural households that reported raising exotic chicken(layers: 1.28million; broilers: 4.7million) and local chicken (hens:13.3million; cock:11.0million). Many households kept a mix of livestock and poultry.

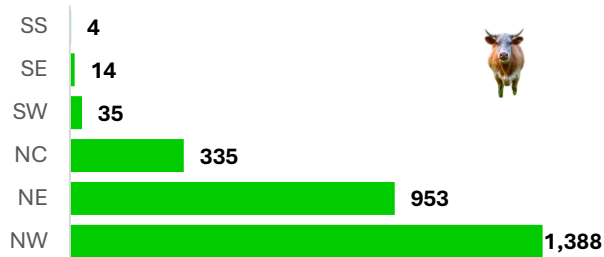
Number of Livestock (excluding poultry) Raised by Agricultural households

The dominant livestock was goat with 138.95million herds followed by sheep 64.93million herds, cattle 54.81million herds while horse 74,268 had the least.

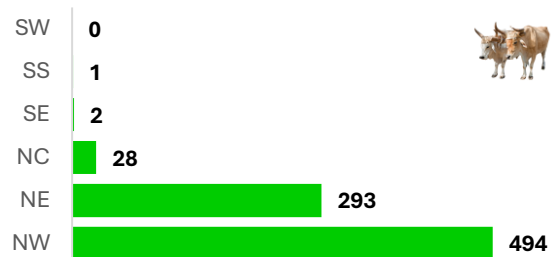
3.4.2 Cattle

The livestock categorized as cattle includes bulls, oxen, dairy cows, heifers, steers and calves. According to the results from the survey, the predominant cattle kept by households are dairy cows and bulls. Dairy cows and bulls were reported by about 45.93 percent and 32.86 percent of households that kept cattle respectively.

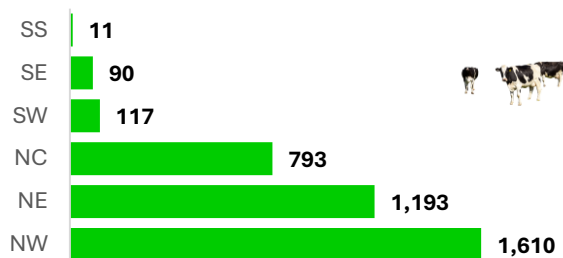
Households with livestock/Poultry ('000)



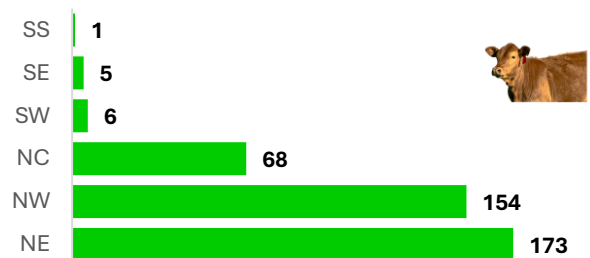
Bulls



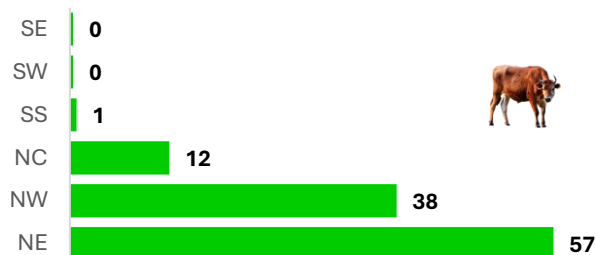
Oxen



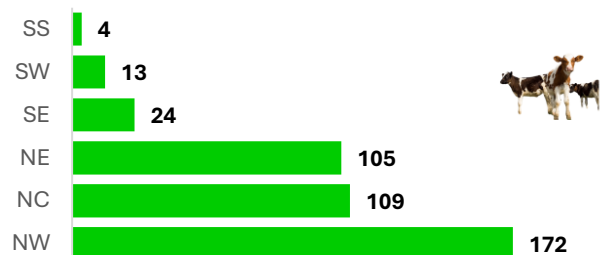
Cows-Diary, Others



Heifers



Steers



Calves- Males/females

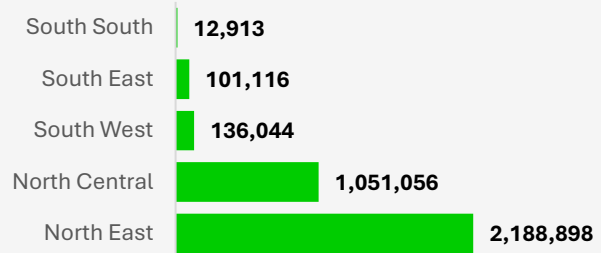
A total of 6.79million agricultural households reported having cattle during the reference period of the last 12 months. The North-West zone reported highest share of cattle households (48.63 percent) while the South-South zone had the least number of households (0.19 percent).

A total of 54.81million cattle were kept on the reference day. The North-East zone reported the highest numbers of cattle with 18.00million while the South-South zones recorded the least with 307,479.

Agricultural Households



6,793,257
Holdings reports animal presence during the last 12 months



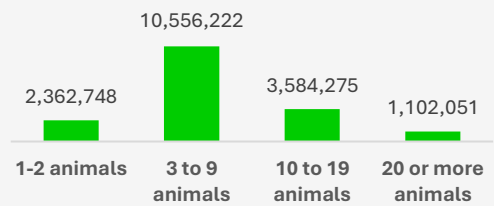
3.4.3 Goats

Nationally, 18.83million agricultural households reported having goats during the reference period of the last 12 months. Across the zones, the North-West reported

the highest number of households (6.40million) while the least number of households (975,530) was reported in the South-South zone.



Holdings Goat, herd size categories (on the reference day)



18,830,449

Holdings reports animal presence during the last 12 months

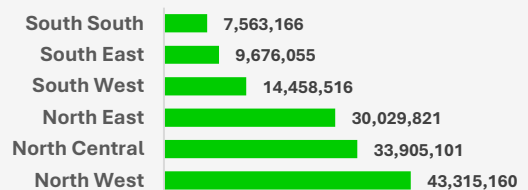
138.95m

Total number of animals on the holdings on the reference day

7.4

Average number of animals per holdings on the reference day

Total number of animals on the holdings on reference day



The total number of goats in agricultural households reported was 138.95million, out of which the North-West had the highest number (43.32million) while the South-South reported having the least (7.56million). In the period reviewed, 16.23million households kept she-goats and 12.26million kept he-goats.

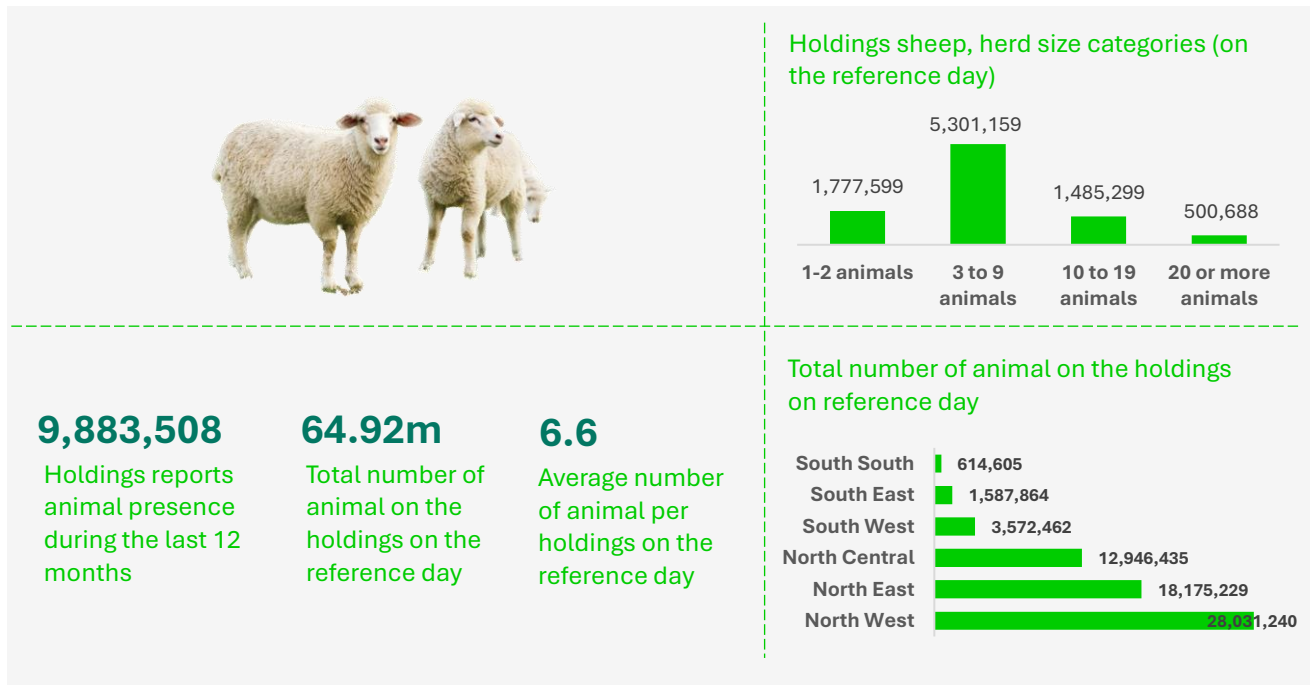
Agricultural households with a goat herd size of 3-9 were the most common, totaling

10.56million households, whereas a herd size of 20 or more was least common, reported by only 1.10million households. By zone, the North-West recorded the highest number of households with 3-9 goats (3.79million), while the South-South had the fewest at 534,860. For cattle, the North-Central zone reported the highest number of households with herds of 20 or more (259,320), and the South-East had the fewest at 2,150.

3.4.4 Sheep

The survey revealed that 6.84million agricultural households reported keeping rams while 6.47million kept ewes. A total of 9.88million agricultural households reported rearing of sheep during the survey

reference period. Across the zones, North-West recorded the highest with 4.97million households while the South-South reported 83,160 households.



The total number of sheep reported to be kept by agricultural households was 64.93million on the reference day. Disaggregation by zone revealed that the North-West zone had the highest number (28.03million) of sheep while the South-South had the least number (614,605).

The majority of holdings (5.30million) reported having a herd size of 3-9 sheep,

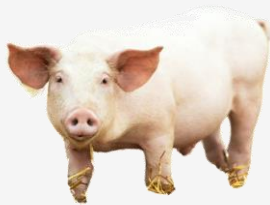
while 500,690 reported having 20 or more. The North-West zone recorded the highest number of households with herd size of 1-2 goats (947,620) while the South-South (16,760) had the least. The North-West had the highest number of holdings with herd size of 20 or more sheep (150,080) while the South-East reported the least (4,310).

3.4.5 Pigs

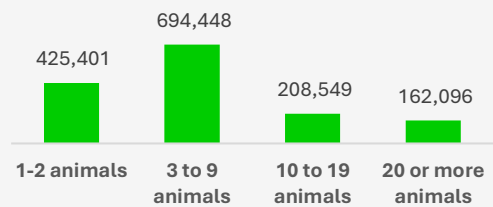
The survey indicated that 1.67million holdings raised pigs, with the North-Central zone reporting the highest number at 792,858 while the South-East recorded the lowest at 151,474 holdings.

The highest number of holdings (694,450) reported having 3-9 pigs while fewer households (162,100) reported 20 or more

pigs. North-Central reported having the highest number of holdings (354,840) that had 3-9 pig herd while the South-East reported the lowest (46,990) number of holdings that had 3-9 pig herd. Also, the South-West reported having the highest (50,803) of holdings with 20 or more pigs while the North-West reported the least (3,858).



Holdings pigs, herd size categories (on the reference day)



1,667,302

Holdings reports animal presence during the last 12 months

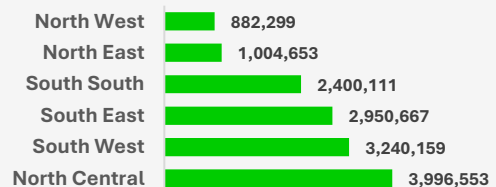
14.47m

Total number of animal on the holdings on the reference day

8.7

Average number of animal per holdings on the reference day

Total number of animal on the holdings on reference day







3.4.6 Milk Production

Nationally, 1.03million holdings reported milk production from cattle. By zone, the North-West reported the highest, with 37.61 percent (387,650 holdings) engaged in milk production, while the South-East had the lowest at 1.56 percent (1,560 holdings).

A total of 36.14million cattle were milked nationwide, with the North-Central zone leading at 14.46million cattle, while South-West reported the fewest.

The findings indicate that 951,200 holdings consumed milk from own production and 732,830 holdings sold milk. In the North-West, 359,890 holdings consumed milk, and 267,350 sold it, whereas South-West reported the lowest figures (32,000 and 25,770) for both consumption and sales of milk produced.

 Cattle	 Goats	 Sheep	 Camel
3,814,052 Number of holdings raising animal	16,225,505 Number of holdings raising animal	6,472,017 Number of holdings raising animal	48,097 Number of holdings raising animal
1,030,803 Number of holdings reporting milk production	253,442 Number of holdings reporting milk production	108,729 Number of holdings reporting milk production	3,421 Number of holdings reporting milk production
36,143,178 Number of animals milked	4,792,296 Number of animals milked	2,251,215 Number of animals milked	(S) Number of animals milked
951,197 Number of holdings reporting milk consumption	157,631 Number of holdings reporting milk consumption	78,351 Number of holdings reporting milk consumption	(S) Number of holdings reporting milk consumption
732,825 Number of holdings reporting milk sales	45,684 Number of holdings reporting milk sales	25,396 Number of holdings reporting milk sales	(S) Number of holdings reporting milk sales

3.4.7 Number of Holdings Reporting Egg Production and Use by Zone

Among the 668,670 holdings that produced of exotic/hybrid chicken eggs, the South-West zone had the highest (222,900) while the North-West zone reported the highest producing eggs from local Chicken (1.44million).

The holdings that reported the consumption of exotic/hybrid chicken eggs was 623,701 in the past three months. South-West had the highest holdings(205,075) that consumed exotic/hybrid chicken eggs and the North-

West had the highest holdings (908,480) that consumed local chicken egg.

Overall, 448,500 holdings reported selling exotic/hybrid chicken eggs while 625,940 sold local chicken eggs in the last three months. South-West reported the highest (149,440) engaged in the sales of exotic/hybrid chicken eggs while the North-West reported the highest (156,980) that sold local eggs.

 <p>Exotic/hybrid chicken - hens/layers</p>	<p>1,280,832</p> <p>Number of holdings raising poultry type</p>	<p>668,671</p> <p>Number of holdings producing eggs</p>	<p>623,701</p> <p>Holdings reporting eggs consumed in the past 3 months</p>	<p>448,498</p> <p>Holdings reporting eggs sold in the past 3 months</p>
 <p>Local (indigenous) chicken - hens</p>	<p>13,329,092</p> <p>Number of holdings raising poultry type</p>	<p>5,548,965</p> <p>Number of holdings producing eggs</p>	<p>3,535,527</p> <p>Holdings reporting eggs consumed in the past 3 months</p>	<p>625,939</p> <p>Holdings reporting eggs sold in the past 3 months</p>
 <p>Turkey</p>	<p>944,263</p> <p>Number of holdings raising poultry type</p>	<p>184,814</p> <p>Number of holdings producing eggs</p>	<p>104,615</p> <p>Holdings reporting eggs consumed in the past 3 months</p>	<p>48,024</p> <p>Holdings reporting eggs sold in the past 3 months</p>
 <p>Ducks</p>	<p>1,603,710</p> <p>Number of holdings raising poultry type</p>	<p>434,554</p> <p>Number of holdings producing eggs</p>	<p>207,307</p> <p>Holdings reporting eggs consumed in the past 3 months</p>	<p>43,138</p> <p>Holdings reporting eggs sold in the past 3 months</p>
 <p>Geese</p>	<p>23,909</p> <p>Number of holdings raising poultry type</p>	<p>3,713</p> <p>Number of holdings producing eggs</p>	<p>0</p> <p>Holdings reporting eggs consumed in the past 3 months</p>	<p>0</p> <p>Holdings reporting eggs sold in the past 3 months</p>
 <p>Guineafowl</p>	<p>1,570,888</p> <p>Number of holdings raising poultry type</p>	<p>571,568</p> <p>Number of holdings producing eggs</p>	<p>429,208</p> <p>Holdings reporting eggs consumed in the past 3 months</p>	<p>244,775</p> <p>Holdings reporting eggs sold in the past 3 months</p>

3.4.8 Apiary production

The result indicates that 112,610 holdings in Nigeria participated in apiary production in the last twelve months, with the North-West having the highest holdings at 46,430 while the South-South recorded the lowest at

6,470. Overall, 1.25million colonies are managed by 104,350 holdings that maintained traditional beehives with 45,320 holdings from the North-West accounting for 499,142 colonies

Traditional Beehives				
112,606	104,345	1,251,207	1.43kg	3.78
Number of holdings reporting apiary practice during the last 12	Number of holdings reporting traditional beehives colonized	Total Number Colonized	Average honey production per hive per harvest	Average number of harvests per hive per year

Modern Beehives			
26,377	397,766	1.36kg	8.51
Number of holdings reporting traditional beehives colonized	Total Number Colonized	Average honey production per hive per harvest	Average number of harvests per hive per year

Additionally, 26,380 holdings adopted modern beehives with the North-West reporting the highest number of

holdings(10,690). Nationally, there were 397,766 colonies of modern beehives, with the North-West housing 147,402 colonies.



Fish production and its products 2022/2023



26.77 billion

Catfish



1.01 billion

Tilapia



7.58 billion

Heterotis



2.57 billion

Lates



2.00 billion

Carp



13.49 billion

Water Snail



2.96 billion

Shrimps



1.48 billion

Prawn

3.5 Fish and Fishery Product

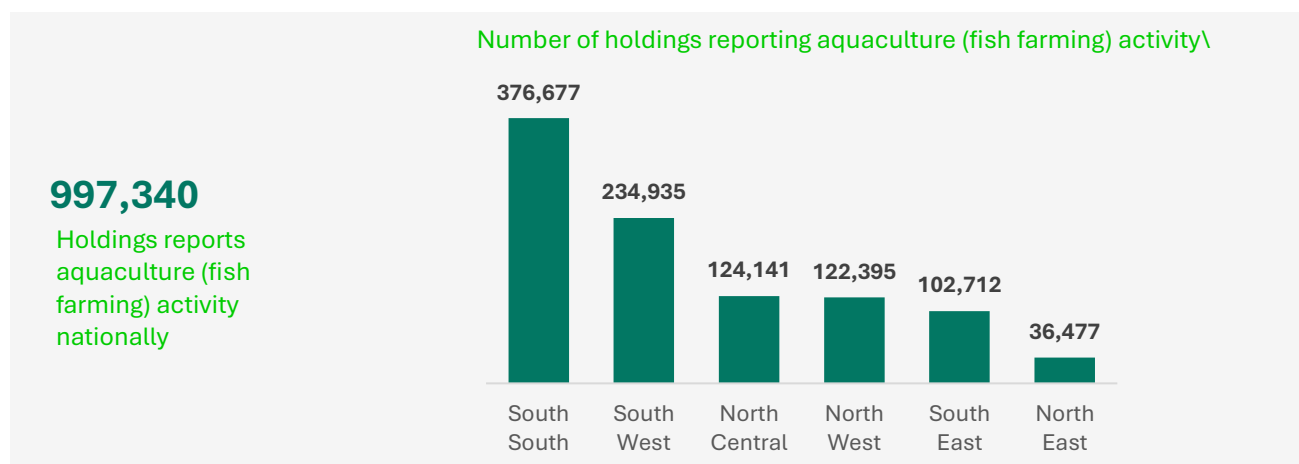
3.5.1 Introduction

Aquatic resources are sources of nutrition and income to the agricultural households in the country. The resources from fresh water or salt water are consumed as fresh or processed products. The Aquatic resources are abundant and essential for daily life in Nigeria. Fish and fishery products seemed to be limited causing huge opportunity loss. Many factors explaining this shortfall includes lack of processing technology, investment capital, governmental regulation and so on.

3.5.2 Number of Households Reporting Aquaculture (Fish Farming) Activity

The survey findings show that 997,340 agricultural households are involved in aquaculture (fish farming) activity in Nigeria. South-South and South-West reported the highest number of households engaged in

aquaculture with 376,680 and 234,940 respectively. The North-East reported 36,480 as the lowest within the period under review



3.5.3 Number of Households Reporting Aquaculture, by Species of Fish Cultured

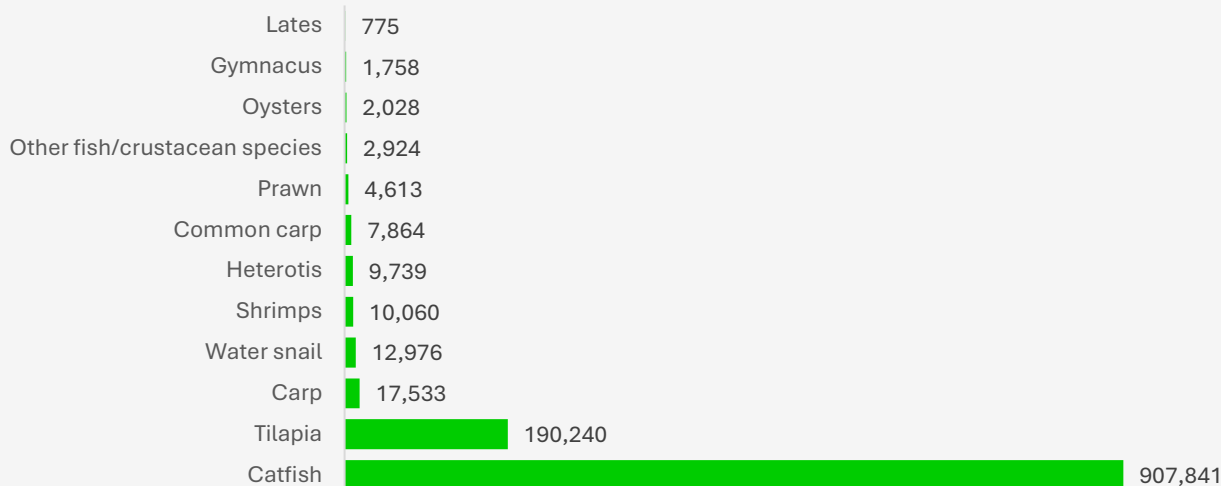
Catfish is the most cultured fish in Nigeria, this specie is widely cultured across the six geopolitical zones, with 907,840 households. Tilapia followed, with 190,240 households while the least cultured fish during the reference period was the Lates species, raised by only 780 households.

The total number of holdings collecting (harvesting) species in the past 12 months are: catfish (737,075); Tilapia (148,946);

Carp (13,393); Water snail (11,796); Heterotis (9,183) and Shrimps (7,215); Many households are into mixed Aquaculture species.

Overall, the quantities of fish harvested by species in kilogram were Tilapia (924.01million), Catfish (26.58billion), Carp (1.99billion), Shrimps (2.15million), Water Snails (9.82million), and Heterotis (2.28million).

Number of holdings reporting aquaculture (fish farming) activity [Species raised]

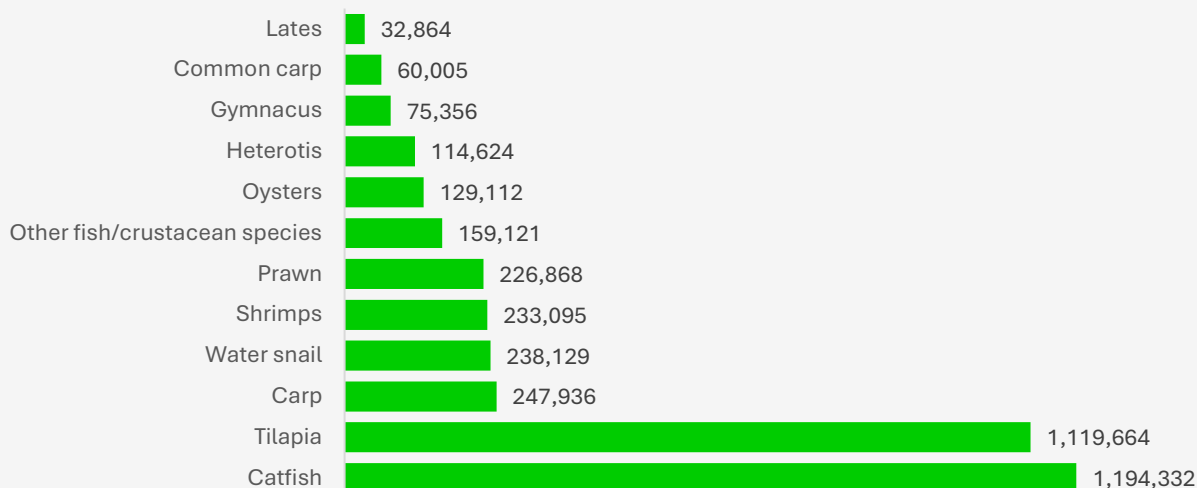


3.5.4 Number of Households Reporting Fish Hunting/Capture by Species

Nationally, 1.56million holdings reported fish hunting/capturing. Across the zones, the South-South reported the highest number of holdings (719,500) while the least number of holdings (110,030) was reported in the South-East.

The survey reveals that the quantities of fishes captured by species in kilogram were Catfish (188.75million), Tilapia (89.19million), Carp (8.38million), and Shrimps (813,051).

Number of holdings reporting fish hunting/capture activity [Species raised]



3.6.1 Distribution of Agricultural Households by Forestry Products

Nationally, 7.23million households reported that within the reference period of the survey they had collected firewood from the forest,

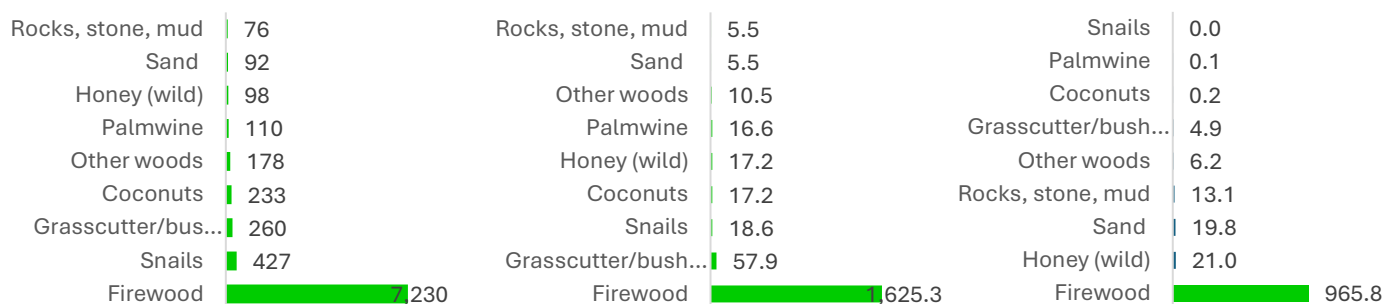
followed by 426,670 households that collected snails while 76,120 households collected rock, stones and mud.

3.6.2 Quantity of Forest Products

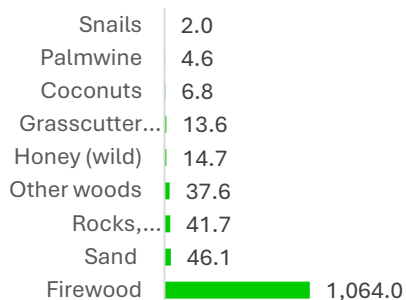
The total quantity of firewood collected was 19.63billion kg within the survey refence period with an average quantity of 2,743 kg collected per day; 788.06million kg of rock, stone and mud was collected with an

average quantity of 12,676 kg collected per day; a total of 654.32million kg of sand was gotten with an average of 8,626 kg collected daily.

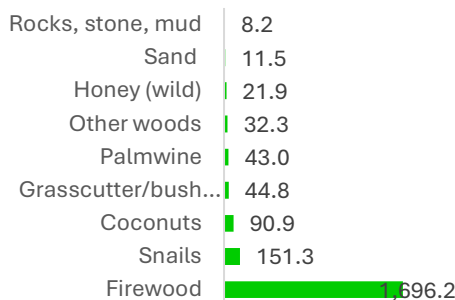
Agricultural households collecting forest products ('000)



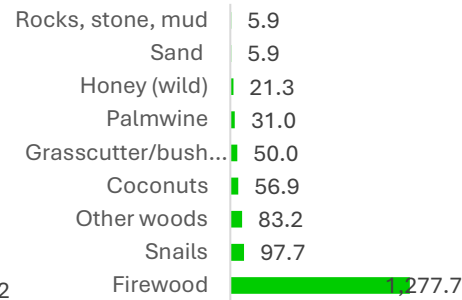
National



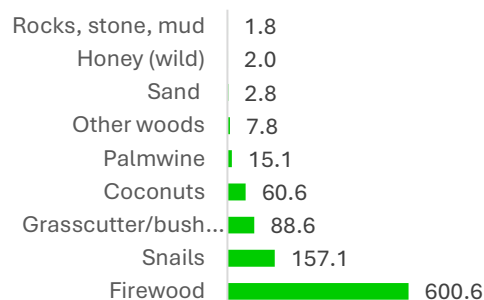
North Central



North East



North West



South East

South West

3.6.3 Number of Households Collecting Forest Product by Zone

Disaggregation of the survey finding by zone shows that about 1.63million households in the North-Central collected firewood while 5,530 households reported collecting rock/stone/mud and sand. In the North-East zone, about 965,760 of the households

collected firewood while only 120 households tapped palm wine. Firewood remains the highest Forestry product that is majorly collected by households across the zones in Nigeria.

3.7 Input Use

3.7.1 Use of Fertilizers, Pesticides on Crops During Major Season

The distribution of agricultural inputs used during the major season on cultivated plots by crops were organic/inorganic fertilizers and pesticide.

The analysis indicates that during the major season, the highest number of plots where fertiliser was applied was maize cultivated plots with 16.69million out of the 22.43million plots followed by guinea corn/sorghum plots(10.24million), while the least was cashew plots with 44,073. Disaggregation by type of organic fertiliser used on maize plots show that solid manure was applied on 10.93million plots, while stabilised sewage sludge on 70,929 plots

Nationally, pesticides were applied to 12.15million plots out of 22.43million total

number of plots where maize was cultivated representing about 54.17percent. Disaggregating by type of pesticides used on maize cultivated plots indicates that herbicides (liquid) was applied to 7.54million plots and insecticides was applied on 4.97million plots.

The quantity of different types of fertilizers applied on cultivated plots was estimated to be 3.93billion kg of solid manure, vegetables materials or compost (468.65million kg), and only 4.83million kg of other phosphatic fertilizer. On the other hand, 135.66million liters of herbicides and 31.40 liters of rodenticides were applied on cultivated plots.

3.7.2 Use of Fertilizers, Pesticides on Crops During Minor Season

The survey findings provide information about the usage of fertilizers and pesticides by agricultural households during the minor season.

It was revealed that fertilisers were applied on 639,918 out of 845, 365 maize plots cultivated and 619, 367 out of 646, 550 rice plots cultivated during the minor season

accounting for 75.70 and 95.80 percent respectively.

During minor season, the quantity of solid manure applied to cultivated plots was 287.73million kg while urea applied was estimated at 204.61million kg and NPK 178.41million kg.

Overall, pesticides were applied on 531,295 maize plots and 489,463 rice plots during the minor season. Analysis by zone shows that North-West recorded the highest

quantity of insecticides applied to plots amounting to 6.16million litres, followed by North-Central (953,791 litres) while the least was recorded in South-East (113,892 litres).

3.8 Labour

3.8.1 Distribution of Households that Used Labour

Household members constitute the primary labour force for agricultural activities in Nigeria. Out of 40.22 million agricultural households in Nigeria, 33.94million (84.39 percent) rely on household labour for their agricultural tasks. At the zonal level, the North-West recorded the highest number of households using household members as

labour, employing temporary or casual workers and engagement of permanent workers, with 8.25million, 5.18million and 380,540 respectively, while the South-East recorded the least with 4.06million, 3.00million and 129,290 household respectively.





Farm-gate Price Data

4

4.1 Farm-gate Prices (₦/Kg) of Selected Crops for the 2022/2023 Agricultural Year

This chapter provides farm-gate prices of selected crops reported by the communities during the agricultural year. The questionnaire was administered in 15,591 selected Enumeration Areas (EAs). However, all the selected communities did not report each of the commodities, hence the analysis was made based on the number of communities reporting the particular commodity. It is also important to note that statistics are not weighted in this chapter on price.

Maize

A total of 16,353 communities reported median prices of maize at ₦271 per kg during the agricultural year, the median price exhibited zonal and state level disparities. Median prices ranged from ₦169 in Cross-River (lowest) to ₦444 per kilogram in Imo (highest) States.

Cassava

A total of 8,491 communities surveyed across Nigeria during the agricultural year showed significant zonal and state-level differences in the median price of cassava. Prices varied from ₦56 per kilogram in Enugu to ₦180 per kilogram in Kano State.

Rice

Nationally, the median price of rice per kg was ₦319 from 8,935 communities surveyed during the agricultural year with zonal and state level variation ranging from ₦203 in Adamawa (the lowest) to ₦717 per kilogram in Osun (the highest).

Water yam

The median price of water yam exhibited zonal and state-level disparities. Out of the 2,958 communities that reported prices for Water yam in Nigeria during the agricultural year, findings revealed prices ranges from ₦68 per kilogram in Adamawa, Taraba and Bauchi States to ₦280 in Delta State.

White yam

Survey findings from 6,475 communities across Nigeria during the agricultural year revealed that white yam prices varied widely, from ₦119 in Nasarawa and Osun States to ₦411 per kilogram in Delta State. The median price displayed significant differences across zones and states.

Irish potato

Overall, 430 communities across Nigeria surveyed during the agricultural year revealed notable zonal and state-level disparities in the median price of Irish potatoes. Prices ranged from ₦196 in Enugu to ₦855 per kilogram in Adamawa State.

Chilli pepper (Shombo)

The price for chilli pepper (Shombo) in Nigeria during the agricultural year was based on survey findings from 2,820 communities that reported. The median price exhibited zonal and state-level disparities, as prices ranged from ₦120 per kilogram in Sokoto to ₦798 per kilogram in Ogun State.

Cashew

Based on survey results from 2,785 communities that reported prices for cashew in Nigeria during the agricultural year, the median price of cashew exhibited disparities across the zone and state. Prices ranged from ₦1,250 per kilogram in Nasarawa to ₦3,769 per kilogram in Imo State.

Yellow yam

Based on survey results from 1,988 communities that reported prices for yellow yam in Nigeria during the agricultural year, the median price of yellow yam exhibited zonal and state-level differences. Prices ranged from ₦ 77 in Taraba (lowest) to ₦ 340 per kilogram in Edo (highest) States.

Okra

The findings from 6,584 communities canvassed during the agricultural year revealed disparities in the median price of Okra at the zonal and state-level. Prices ranged from ₦135 per kilogram in Yobe to ₦767 per kilogram in Delta State.

Tomato

Findings from 5,287 communities across Nigeria during the agricultural year showed significant zonal and state-level differences in the median price of tomatoes. Prices ranged from ₦144 per kilogram in Katsina to ₦969 per kilogram in Rivers State.

4.2: Livestock Farm Gate Prices (Live Animal Per Head)

The findings provided a detailed breakdown on all Farm Gate livestock prices reported at the zonal and state level.

Overall, 111,262 enumeration area (EAs) selected reported data on mature Livestock prices.

Bull

Nationally, the median price for a bull was ₦350,000. State-level variations showed Rivers State in the South-South zone reporting the highest price at ₦450,000, followed by Anambra in the South-East zone at ₦425,000, while the lowest was reported in Benue from the North-Central zone at ₦195,000.

Cow

For cows (Dairy), the national median price was ₦250,000. The highest state-level price was recorded in Rivers at ₦435,000, with the lowest reported in Benue at ₦150,000.

Goat

The median price for goats (He/She) at the national level was ₦25,000. Rivers reported the highest price for he-goats at ₦37,000, with Ekiti showing the lowest at ₦15,000. For she-goats, Rivers state reported the highest price at ₦37,000, while Ekiti recorded the lowest (₦18,000).

Chicken

The local indigenous chicken (hen) had a national median price of ₦2,500, with Anambra in the South-East recording the highest at ₦4,000, and Jigawa in the North-East the lowest at ₦1,700. The exotic chicken (cock/broiler) was priced as high as ₦10,000 in Edo State, with a lowest of ₦2,500 in Katsina State. For exotic chickens (hens/layers), prices ranged from ₦2,500 to ₦5,000 across states.

4.3 Fishery Farm Gate Prices

Catfish

Nationally, the average median price of catfish was N1,500. The highest median price was recorded in Akwa-Ibom state with N2,298 per kg while the least was in Borno N720 per kg.

Tilapia

The average median price of tilapia nationally was N1,542. The highest median price was recorded in Akwa-Ibom state with N2,900 per kg, while the least was in Jigawa N1,067 per kg.

Shrimps

Nationally, the average median price of Shrimps was N2,384. The highest median price was recorded in Kano state with N3,846 per kg while the least was in Ogun N1,500 per kg.

Water Snail

The median price of Water snail nationally was N3,769. The highest median price was recorded in Osun state with N5,667 per kg while the least was in Edo N2,500 per kg.

Prawns

The average median price of Prawns nationally was N7,406. The highest median price was recorded in Taraba state with N9,804 per kg while the least was in Cross Rivers N4,167 per kg.

Heterotis

The median price of Heterotis nationally was N3,137. The highest median price was recorded in Bayelsa state with N3,639 per kg, while the least was in Jigawa N2,459 per kg.

Carp

The median price of Carp nationally was N1,421. The highest median price was recorded in Ondo state with N1,960 per kg, while the least was in Enugu N773 per kg.

Common Carp

The median price of common carp nationally was N1,487. The highest median price was recorded in Bayelsa state with N2,646 per kg, while the least was in Kebbi N900 per kg.

4.4 Input Farm Gate Prices - Fertilisers and Pesticides

The survey result provided a detailed breakdown of inputs prices reported by communities. Nationally, the Median price for 1 kg of Urea was ₦500. At the state level, Borno reported the highest median price at ₦682 while Imo State reported the lowest at ₦300.

For NPK fertilisers, the national median price of 1 kg was also ₦500. Borno, Oyo, Ondo, Ebonyi and Rivers States recorded the highest median price of ₦600, while Imo State had the lowest of ₦360.

The national median price for 1kg of solid manure was ₦100. Borno State recorded the highest median price at ₦400, while Ebonyi had the lowest median price at ₦40.

Nationally, the median price of 1kg of Vegetable material or compost was ₦100. Delta State had the highest median price at ₦450, while Katsina and Zamfara States recorded the lowest median price at ₦25.

Nationally the median price of 1 kg of Insecticides was at ₦3,400. Edo State reported the highest median price at ₦4,800, while Anambra State had the lowest price at ₦2,100.

For Herbicide (liquid), the national median price of 1 kg was at ₦3,500. Edo and Anambra State recorded the highest price at ₦4,500, while Abia, Imo, Katsina and Rivers States recorded the lowest at ₦2,500



Appendices

Appendix 1 [Total Number of Enumeration Areas and Households Covered by State]

TABLE 4.1: TOTAL NUMBER OF ENUMERATION AREAS (EAs) COVERED BY STATE				
S/N	State	No. of EAs in Sample	No of EAs Visited with at least one HH	EAs Completed
1	ABIA	240	240	100.00%
2	ADAMAWA	422	422	100.00%
3	AKWA IBOM	312	310	99.40%
4	ANAMBRA	343	343	100.00%
5	BAUCHI	724	724	100.00%
6	BAYELSA	266	266	100.00%
7	BENUE	505	505	100.00%
8	BORNO	446	446	100.00%
9	CROSS RIVER	220	220	100.00%
10	DELTA	277	277	100.00%
11	EBONYI	279	279	100.00%
12	EDO	358	357	99.70%
13	EKITI	180	180	100.00%
14	ENUGU	295	295	100.00%
15	FCT	184	184	100.00%
16	GOMBE	279	279	100.00%
17	IMO	406	402	99.00%
18	JIGAWA	421	421	100.00%
19	KADUNA	664	664	100.00%
20	KANO	926	925	99.90%
21	KATSINA	387	378	97.70%
22	KEBBI	489	489	100.00%
23	KOGI	421	421	100.00%
24	KWARA	493	489	99.20%
25	LAGOS	376	376	100.00%
26	NASARAWA	493	493	100.00%
27	NIGER	643	643	100.00%
28	OGUN	541	541	100.00%
29	ONDO	264	264	100.00%
30	OSUN	334	334	100.00%
31	OYO	497	497	100.00%
32	PLATEAU	611	609	99.70%
33	RIVERS	516	516	100.00%
34	SOKOTO	465	465	100.00%
35	TARABA	534	534	100.00%
36	YOBE	401	401	100.00%
37	ZAMFARA	379	379	100.00%
TOTAL		15,591	15,568	99.90%

TABLE 4.2: TOTAL NUMBER OF HOUSEHOLDS COVERED BY STATE

S/N	State	No. of HHs in Sample	No. of HH Attempted	No. of HH Interviewed	Response Rate	HHs Attempted
1	ABIA	2377	2377	2312	97%	100.00%
2	ADAMAWA	4218	4218	4064	96%	100.00%
3	AKWA IBOM	3103	3083	2826	92%	99.36%
4	ANAMBRA	3370	3370	3063	91%	100.00%
5	BAUCHI	7200	7199	6869	95%	99.99%
6	BAYELSA	2605	2596	2377	91%	99.73%
7	BENUE	5021	5019	4587	91%	99.96%
8	BORNO	4422	4422	4277	97%	100.00%
9	CROSS RIVER	2196	2196	2097	95%	100.00%
10	DELTA	2757	2757	2493	90%	100.00%
11	EBONYI	2787	2787	2697	97%	100.00%
12	EDO	3481	3470	2859	82%	99.77%
13	EKITI	1741	1741	1532	88%	100.00%
14	ENUGU	2935	2935	2907	99%	100.00%
15	FCT	1779	1778	1620	91%	99.94%
16	GOMBE	2789	2789	2768	99%	100.00%
17	IMO	3844	3804	3368	89%	98.96%
18	JIGAWA	4204	4204	4090	97%	100.00%
19	KADUNA	6566	6542	6239	95%	99.63%
20	KANO	9215	9205	9053	98%	99.89%
21	KATSINA	3842	3751	3707	99%	97.63%
22	KEBBI	4871	4865	4761	98%	99.88%
23	KOGI	4150	4150	3846	93%	100.00%
24	KWARA	4834	4791	4297	90%	99.11%
25	LAGOS	2155	2155	1918	89%	100.00%
26	NASARAWA	4879	4878	4581	94%	99.98%
27	NIGER	6375	6375	5875	92%	100.00%

TABLE 4.2: TOTAL NUMBER OF HOUSEHOLDS COVERED BY STATE						
S/N	State	No. of HHs in Sample	No. of HH Attempted	No. of HH Interviewed	Response Rate	HHs Attempted
28	OGUN	5078	5078	4673	92%	100.00%
29	ONDO	2623	2623	2488	95%	100.00%
30	OSUN	3325	3325	3071	92%	100.00%
31	OYO	4960	4960	4258	86%	100.00%
32	PLATEAU	6016	5996	5631	94%	99.67%
33	RIVERS	5028	5024	3880	77%	99.92%
34	SOKOTO	4640	4640	4591	99%	100.00%
35	TARABA	5307	5289	5130	97%	99.66%
36	YOBE	4004	4004	3965	99%	100.00%
37	ZAMFARA	3788	3787	3780	100%	99.97%
TOTAL		152,485	152,183	142,550	94%	99.80%

TABLE 4. 3: TOTAL NUMBER OF EAS NOT COVERED BY STATE AND BY LGA

State	No of LGA Affected	No of EAs Not Covered	No of HH affected	Reason for Non-Coverage
KATSINA	5	9	90	Insecurity
IMO	1	4	40	Insecurity
KWARA	3	4	40	Insecurity
PLATEAU	2	2	20	Insecurity
EDO	1	1	10	Insecurity
AKWA IBOM	1	2	20	Insecurity
KANO	1	1	10	Insecurity
TOTAL	14	23	230	

TABLE 4.4: TOTAL NUMBER OF PARTIALLY COMPLETED EAs /HHs NOT COVERED BY STATE

State	No of EAs Affected	Total Number of Households Covered	Total Number of Households Not Covered
ZAMFARA	1	9	1
KATSINA	1	9	1
BAUCHI	1	9	1
KADUNA	5	26	24
KEBBI	3	24	6
NASARAWA	1	9	1
TARABA	5	32	18
BENUUE	1	8	2
KWARA	1	7	3
RIVERS	4	36	4
BAYELSA	2	11	9
TOTAL	25		70

TABLE 4.5: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate
ABIA	ABA NORTH	4	4	100.00%	32	32	31	97%
ABIA	ABA SOUTH	21	21	100.00%	205	205	201	98%
ABIA	AROCHUKWU	11	11	100.00%	110	110	110	100%
ABIA	BENDE	18	18	100.00%	180	180	178	99%
ABIA	IKWUANO	10	10	100.00%	100	100	87	87%
ABIA	ISIALA-NGWA NORTH	15	15	100.00%	145	145	143	99%
ABIA	ISIALA-NGWA SOUTH	16	16	100.00%	157	157	150	96%
ABIA	ISUIKWUATO	9	9	100.00%	90	90	82	91%
ABIA	OBI NGWA	29	29	100.00%	290	290	289	100%
ABIA	OHAFIA	12	12	100.00%	120	120	114	95%
ABIA	OSISIOMA NGWA	29	29	100.00%	290	290	288	99%
ABIA	UGWUNAGHO	11	11	100.00%	110	110	109	99%
ABIA	UKWA EAST	5	5	100.00%	50	50	45	90%
ABIA	UKWA WEST	8	8	100.00%	80	80	77	96%
ABIA	UMUAHIA NORTH	21	21	100.00%	208	208	200	96%
ABIA	UMUAHIA SOUTH	12	12	100.00%	120	120	118	98%
ABIA	UMU-NNEOCHI	9	9	100.00%	90	90	90	100%
TOTAL		240	240	100.00%	2377	2377	2312	97%

TABLE 4.6: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
ADAMAWA	DEMSA	14	14	100.00%	140	140	134	96%	100%
ADAMAWA	FUFORE	39	39	100.00%	390	390	381	98%	100%
ADAMAWA	GANYE	32	32	100.00%	320	320	320	100%	100%
ADAMAWA	GIREI	15	15	100.00%	150	150	127	85%	100%
ADAMAWA	GOMBI	26	26	100.00%	260	260	248	95%	100%
ADAMAWA	GUYUK	13	13	100.00%	130	130	130	100%	100%
ADAMAWA	HONG	28	28	100.00%	280	280	279	100%	100%
ADAMAWA	JADA	40	40	100.00%	400	400	375	94%	100%
ADAMAWA	LAMURDE	13	13	100.00%	130	130	130	100%	100%
ADAMAWA	MADAGALI	20	20	100.00%	200	200	177	89%	100%
ADAMAWA	MAIHA	10	10	100.00%	100	100	100	100%	100%
ADAMAWA	MAYO-BELWA	17	17	100.00%	170	170	166	98%	100%
ADAMAWA	MICHIKA	20	20	100.00%	200	200	195	98%	100%
ADAMAWA	MUBI NORTH	17	17	100.00%	170	170	170	100%	100%
ADAMAWA	MUBI SOUTH	11	11	100.00%	108	108	108	100%	100%
ADAMAWA	NUMAN	8	8	100.00%	80	80	76	95%	100%
ADAMAWA	SHELLENG	12	12	100.00%	120	120	120	100%	100%
ADAMAWA	SONG	23	23	100.00%	230	230	219	95%	100%
ADAMAWA	TOUNGO	9	9	100.00%	90	90	90	100%	100%
ADAMAWA	YOLA NORTH	17	17	100.00%	170	170	158	93%	100%
ADAMAWA	YOLA SOUTH	38	38	100.00%	380	380	361	95%	100%
TOTAL		422	422	100.00%	4218	4,218	4,064	96%	100%

TABLE 4.7: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
AKWA IBOM	ABAK	13	13	100.00%	130	130	122	94%	100%
AKWA IBOM	EASTERN OBOLO	4	4	100.00%	40	40	35	88%	100%
AKWA IBOM	EKET	9	9	100.00%	80	80	80	100%	100%
AKWA IBOM	ESIT EKET	4	4	100.00%	40	40	36	90%	100%
AKWA IBOM	ESSIEN UDIM	15	15	100.00%	150	150	124	83%	100%
AKWA IBOM	ETIM EKPO	11	11	100.00%	110	110	102	93%	100%
AKWA IBOM	ETINAN	7	7	100.00%	70	70	62	89%	100%
AKWA IBOM	IBENO	4	4	100.00%	35	35	35	100%	100%
AKWA IBOM	IBESIKPO ASUTAN	16	16	100.00%	160	160	143	89%	100%
AKWA IBOM	IBIONO IBOM	11	11	100.00%	110	110	95	86%	100%
AKWA IBOM	IKA	6	6	100.00%	60	60	37	62%	100%
AKWA IBOM	IKONO	11	11	100.00%	110	110	110	100%	100%
AKWA IBOM	IKOT ABASI	8	8	100.00%	80	80	75	94%	100%
AKWA IBOM	IKOT-EKPENE	13	13	100.00%	130	130	116	89%	100%
AKWA IBOM	INI	7	7	100.00%	70	70	68	97%	100%
AKWA IBOM	ITU	28	26	92.90%	280	260	247	95%	93%
AKWA IBOM	MBO	4	4	100.00%	40	40	40	100%	100%
AKWA IBOM	MKPAT ENIN	11	11	100.00%	110	110	59	54%	100%
AKWA IBOM	NSIT ATAI	5	5	100.00%	50	50	50	100%	100%
AKWA IBOM	NSIT IBOM	9	9	100.00%	90	90	85	94%	100%
AKWA IBOM	NSIT UBIUM	7	7	100.00%	70	70	61	87%	100%
AKWA IBOM	OBOT AKARA	8	8	100.00%	80	80	78	98%	100%
AKWA IBOM	OKOBO	10	10	100.00%	100	100	83	83%	100%
AKWA IBOM	ONNA	6	6	100.00%	60	60	60	100%	100%
AKWA IBOM	ORON	4	4	100.00%	40	40	40	100%	100%
AKWA IBOM	ORUK ANAM	15	15	100.00%	150	150	146	97%	100%
AKWA IBOM	UDUNG UKO	4	4	100.00%	40	40	31	78%	100%
AKWA IBOM	UKANAFUN	9	9	100.00%	90	90	90	100%	100%
AKWA IBOM	URUAN	11	11	100.00%	110	110	104	95%	100%
AKWA IBOM	URUE-OFFONG/ORUKO	2	2	100.00%	20	20	19	95%	100%
AKWA IBOM	UYO	40	40	100.00%	398	398	393	99%	100%
TOTAL		312	310	99.40%	3103	3083	2826	92%	99%

TABLE 4.8: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
ANAMBRA	AGUATA	33	33	100.00%	330	330	319	97%	100%
ANAMBRA	ANAMBRA EAST	21	21	100.00%	210	210	210	100%	100%
ANAMBRA	ANAMBRA WEST	9	9	100.00%	90	90	87	97%	100%
ANAMBRA	ANAOCHA	20	20	100.00%	197	197	196	99%	100%
ANAMBRA	AWKA NORTH	9	9	100.00%	90	90	90	100%	100%
ANAMBRA	AWKA SOUTH	17	17	100.00%	168	168	154	92%	100%
ANAMBRA	AYAMELUM	9	9	100.00%	90	90	89	99%	100%
ANAMBRA	DUNUKOFIA	6	6	100.00%	60	60	53	88%	100%
ANAMBRA	EKWUSIGO	12	12	100.00%	120	120	120	100%	100%
ANAMBRA	IDEMILI NORTH	40	40	100.00%	364	364	358	98%	100%
ANAMBRA	IDEMILI SOUTH	12	12	100.00%	120	120	71	59%	100%
ANAMBRA	IHALA	37	37	100.00%	362	362	355	98%	100%
ANAMBRA	NJIKOKA	9	9	100.00%	90	90	59	66%	100%
ANAMBRA	NNEWI NORTH	16	16	100.00%	154	154	138	90%	100%
ANAMBRA	NNEWI SOUTH	20	20	100.00%	200	200	173	87%	100%
ANAMBRA	OGBARU	14	14	100.00%	140	140	85	61%	100%
ANAMBRA	ONITSHA NORTH	2	2	100.00%	18	18	18	100%	100%
ANAMBRA	ONITSHA SOUTH	4	4	100.00%	38	38	33	87%	100%
ANAMBRA	ORUMBA NORTH	20	20	100.00%	199	199	158	79%	100%
ANAMBRA	ORUMBA SOUTH	10	10	100.00%	100	100	100	100%	100%
ANAMBRA	OYI	23	23	100.00%	230	230	197	86%	100%
TOTAL		343	343	100.00%	3370	3370	3063	91%	100%

TABLE 4.9: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
BAUCHI	ALKALERI	40	40	100.00%	400	400	371	93%	100%
BAUCHI	BAUCHI	34	34	100.00%	323	323	307	95%	100%
BAUCHI	BOGORO	40	40	100.00%	400	400	376	94%	100%
BAUCHI	DAMBAN	40	40	100.00%	400	400	398	100%	100%
BAUCHI	DARAZO	40	40	100.00%	399	399	363	91%	100%
BAUCHI	DASS	17	17	100.00%	170	170	170	100%	100%
BAUCHI	GAMAWA	40	40	100.00%	400	400	400	100%	100%
BAUCHI	GANJUWA	40	40	100.00%	400	400	367	92%	100%
BAUCHI	GIADE	30	30	100.00%	300	300	300	100%	100%
BAUCHI	ITAS/GADAU	40	40	100.00%	395	395	395	100%	100%
BAUCHI	JAMA'ARE	13	13	100.00%	130	130	122	94%	100%
BAUCHI	KATAGUM	40	40	100.00%	400	399	389	97%	100%
BAUCHI	KIRFI	40	40	100.00%	400	400	397	99%	100%
BAUCHI	MISAU	40	40	100.00%	395	395	381	96%	100%
BAUCHI	NINGI	40	40	100.00%	399	399	399	100%	100%
BAUCHI	SHIRA	40	40	100.00%	400	400	360	90%	100%
BAUCHI	TAFAWA-BALEWA	40	40	100.00%	400	400	363	91%	100%
BAUCHI	TORO	40	40	100.00%	389	389	345	89%	100%
BAUCHI	WARJI	30	30	100.00%	300	300	294	98%	100%
BAUCHI	ZAKI	40	40	100.00%	400	400	372	93%	100%
TOTAL		724	724	100.00%	7200	7199	6869	95%	100%

TABLE 4.10: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
BAYELSA	BRASS	15	15	100.00%	180	180	154	86%	100%
BAYELSA	EKEREMOR	33	33	100.00%	282	275	258	94%	98%
BAYELSA	KOLOKUMA/OPOKUMA	40	40	100.00%	378	376	325	86%	99%
BAYELSA	NEMBE	31	31	100.00%	355	355	331	93%	100%
BAYELSA	OGBIA	39	39	100.00%	385	385	365	95%	100%
BAYELSA	SAGBAMA	39	39	100.00%	379	379	360	95%	100%
BAYELSA	SOUTHERN IJAW	29	29	100.00%	312	312	288	92%	100%
BAYELSA	YENAGOA	40	40	100.00%	334	334	296	89%	100%
TOTAL		266	266	100.00%	2605	2596	2377	92%	100%

TABLE 4.11: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
BENUE	ADO	13	13	100.00%	130	130	130	100%	100%
BENUE	AGATU	8	8	100.00%	80	80	78	98%	100%
BENUE	APA	7	7	100.00%	70	70	67	96%	100%
BENUE	BURUKU	36	36	100.00%	360	358	356	99%	99%
BENUE	GBOKO	40	40	100.00%	395	395	378	96%	100%
BENUE	GUMA	35	35	100.00%	350	350	300	86%	100%
BENUE	GWER EAST	25	25	100.00%	250	250	246	98%	100%
BENUE	GWER WEST	12	12	100.00%	120	120	60	50%	100%
BENUE	KATSINA ALA	30	30	100.00%	300	300	300	100%	100%
BENUE	KONSHISHA	26	26	100.00%	260	260	252	97%	100%
BENUE	KWANDE	40	40	100.00%	397	397	226	57%	100%
BENUE	LOGO	22	22	100.00%	220	220	216	98%	100%
BENUE	MAKURDI	35	35	100.00%	338	338	329	97%	100%
BENUE	OBI(BENUE)	10	10	100.00%	100	100	99	99%	100%
BENUE	OGBADIBO	10	10	100.00%	99	99	99	100%	100%
BENUE	OHIMINI	6	6	100.00%	60	60	60	100%	100%
BENUE	OJU	10	10	100.00%	100	100	92	92%	100%
BENUE	OKPOKWU	14	14	100.00%	140	140	127	91%	100%
BENUE	OTUKPO	17	17	100.00%	170	170	161	95%	100%
BENUE	TARKA	9	9	100.00%	90	90	90	100%	100%
BENUE	UKUM	38	38	100.00%	372	372	338	91%	100%
BENUE	USHONGO	40	40	100.00%	400	400	371	93%	100%
BENUE	VANDEIKYA	22	22	100.00%	220	220	212	96%	100%
	TOTAL	505	505	100.00%	5021	5019	4587	91%	100%

TABLE 4.12: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
BORNO	ASKIRA/UBA	40	40	100.00%	400	400	400	100%	100%
BORNO	BAMA	15	15	100.00%	149	149	149	100%	100%
BORNO	BAYO	20	20	100.00%	200	200	200	100%	100%
BORNO	BIU	34	34	100.00%	340	340	338	99%	100%
BORNO	CHIBOK	8	8	100.00%	80	80	80	100%	100%
BORNO	DAMBOA	14	14	100.00%	140	140	140	100%	100%
BORNO	DIKWA	21	21	100.00%	210	210	157	75%	100%
BORNO	GUBIO	6	6	100.00%	60	60	60	100%	100%
BORNO	GUZAMALA	4	4	100.00%	40	40	40	100%	100%
BORNO	GWOZA	20	20	100.00%	200	200	199	100%	100%
BORNO	HAWUL	26	26	100.00%	260	260	260	100%	100%
BORNO	JERE	40	40	100.00%	370	370	345	93%	100%
BORNO	KAGA	16	16	100.00%	160	160	160	100%	100%
BORNO	KALA/BALGA	3	3	100.00%	30	30	30	100%	100%
BORNO	KONDUGA	24	24	100.00%	240	240	200	83%	100%
BORNO	KWAYA KUSAR	15	15	100.00%	150	150	150	100%	100%
BORNO	MAFA	18	18	100.00%	180	180	180	100%	100%
BORNO	MAGUMERI	20	20	100.00%	200	200	200	100%	100%
BORNO	MAIDUGURI	35	35	100.00%	343	343	343	100%	100%
BORNO	MARTE	2	2	100.00%	20	20	20	100%	100%
BORNO	MOBBAR	3	3	100.00%	30	30	30	100%	100%
BORNO	NGALA	40	40	100.00%	400	400	377	94%	100%
BORNO	NGANZAI	6	6	100.00%	60	60	60	100%	100%
BORNO	SHANI	16	16	100.00%	160	160	159	99%	100%
TOTAL		446	446	100.00%	4422	4422	4277	97%	100%

TABLE 4.13: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
CROSS RIVER	ABI	8	8	100.00%	80	80	79	99%	100%
CROSS RIVER	AKAMKPA	8	8	100.00%	80	80	79	99%	100%
CROSS RIVER	AKPABUYO	7	7	100.00%	70	70	69	99%	100%
CROSS RIVER	BAKASSI	2	2	100.00%	20	20	19	95%	100%
CROSS RIVER	BEKWARRA	10	10	100.00%	100	100	97	97%	100%
CROSS RIVER	BIASE	13	13	100.00%	130	130	126	97%	100%
CROSS RIVER	BOKI	16	16	100.00%	160	160	141	88%	100%
CROSS RIVER	CALABAR SOUTH	7	7	100.00%	70	70	69	99%	100%
CROSS RIVER	CALABAR-MUNICIPAL	13	13	100.00%	126	126	119	94%	100%
CROSS RIVER	ETUNG	6	6	100.00%	60	60	56	93%	100%
CROSS RIVER	IKOM	22	22	100.00%	220	220	197	90%	100%
CROSS RIVER	OBANLIKU	10	10	100.00%	100	100	96	96%	100%
CROSS RIVER	OBUBRA	15	15	100.00%	150	150	150	100%	100%
CROSS RIVER	OBUDU	15	15	100.00%	150	150	147	98%	100%
CROSS RIVER	ODUKPANI	10	10	100.00%	100	100	97	97%	100%
CROSS RIVER	OGOJA	21	21	100.00%	210	210	203	97%	100%
CROSS RIVER	YAKURR	17	17	100.00%	170	170	170	100%	100%
CROSS RIVER	YALA	20	20	100.00%	200	200	183	92%	100%
TOTAL		220	220	100.00%	2196	2196	2097	95%	100%

TABLE 4.14: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
DELTA	ANIOCHA NORTH	10	10	100.00%	100	100	88	88%	100%
DELTA	ANIOCHA SOUTH	10	10	100.00%	100	100	85	85%	100%
DELTA	BOMADI	6	6	100.00%	59	59	59	100%	100%
DELTA	BURUTU	7	7	100.00%	81	81	68	84%	100%
DELTA	ETHIOPE EAST	18	18	100.00%	180	180	168	93%	100%
DELTA	ETHIOPE WEST	19	19	100.00%	190	190	182	96%	100%
DELTA	IKA NORTH EAST	14	14	100.00%	140	140	140	100%	100%
DELTA	IKA SOUTH	15	15	100.00%	150	150	142	95%	100%
DELTA	ISOKO NORTH	8	8	100.00%	80	80	76	95%	100%
DELTA	ISOKO SOUTH	16	16	100.00%	160	160	158	99%	100%
DELTA	NDOKWA EAST	12	12	100.00%	120	120	110	92%	100%
DELTA	NDOKWA WEST	19	19	100.00%	190	190	181	95%	100%
DELTA	OKPE	17	17	100.00%	170	170	136	80%	100%
DELTA	OSHIMILI NORTH	11	11	100.00%	107	107	77	72%	100%
DELTA	OSHIMILI SOUTH	15	15	100.00%	149	149	115	77%	100%
DELTA	PATANI	4	4	100.00%	40	40	39	98%	100%
DELTA	SAPELE	4	4	100.00%	36	36	34	94%	100%
DELTA	UDU	10	10	100.00%	97	97	80	82%	100%
DELTA	UGHELLI NORTH	15	15	100.00%	143	143	125	87%	100%
DELTA	UGHELLI SOUTH	20	20	100.00%	194	194	187	96%	100%
DELTA	UKWUANI	7	7	100.00%	70	70	68	97%	100%
DELTA	UWWIE	5	5	100.00%	32	32	26	81%	100%
DELTA	WARRI NORTH	4	4	100.00%	44	44	40	91%	100%
DELTA	WARRI SOUTH	8	8	100.00%	89	89	78	88%	100%
DELTA	WARRI SOUTH WEST	3	3	100.00%	36	36	31	86%	100%
	TOTAL	277	277	100.00%	2757	2757	2493	90%	100%

TABLE 4.15: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
EBONYI	ABAKALIKI	18	18	100.00%	180	180	172	96%	100%
EBONYI	AFIKPO NORTH	25	25	100.00%	250	250	239	96%	100%
EBONYI	AFIKPO SOUTH	10	10	100.00%	100	100	97	97%	100%
EBONYI	EBONYI	35	35	100.00%	350	350	349	100%	100%
EBONYI	EZZA NORTH	21	21	100.00%	210	210	206	98%	100%
EBONYI	EZZA SOUTH	15	15	100.00%	150	150	149	99%	100%
EBONYI	IKWO	34	34	100.00%	340	340	334	98%	100%
EBONYI	ISHIELU	14	14	100.00%	140	140	140	100%	100%
EBONYI	IVO	8	8	100.00%	80	80	67	84%	100%
EBONYI	IZZI	40	40	100.00%	400	400	395	99%	100%
EBONYI	OHAOZARA	12	12	100.00%	120	120	86	72%	100%
EBONYI	OHAUKWU	35	35	100.00%	347	347	344	99%	100%
EBONYI	ONICHA	12	12	100.00%	120	120	119	99%	100%
TOTAL		279	279	100.00%	2787	2787	2697	97%	100%

TABLE 4.16: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
EDO	AKOKO-EDO	13	13	100.00%	129	129	93	72%	100%
EDO	EGOR	33	33	100.00%	310	310	231	75%	100%
EDO	ESAN CENTRAL	9	9	100.00%	90	90	70	78%	100%
EDO	ESAN NORTH EAST	9	9	100.00%	90	90	86	96%	100%
EDO	ESAN SOUTH EAST	17	17	100.00%	170	170	120	71%	100%
EDO	ESAN WEST	17	17	100.00%	165	165	165	100%	100%
EDO	ETSAKO CENTRAL	10	10	100.00%	100	100	84	84%	100%
EDO	ETSAKO EAST	26	26	100.00%	260	260	241	93%	100%
EDO	ETSAKO WEST	24	24	100.00%	240	240	173	72%	100%
EDO	IGUEBEN	6	6	100.00%	60	60	56	93%	100%
EDO	IKPOBA-OKHA	38	37	97.40%	330	320	279	87%	97%
EDO	OREDO	16	16	100.00%	137	137	131	96%	100%
EDO	ORHIONMWON	15	15	100.00%	150	150	119	79%	100%
EDO	OVIA NORTH EAST	40	40	100.00%	400	399	263	66%	100%
EDO	OVIA SOUTH WEST	33	33	100.00%	330	330	318	96%	100%
EDO	OWAN EAST	17	17	100.00%	170	170	166	98%	100%
EDO	OWAN WEST	10	10	100.00%	100	100	47	47%	100%
EDO	UHUNMWONDE	25	25	100.00%	250	250	217	87%	100%
TOTAL		358	357	99.70%	3481	3470	2859	82%	100%

TABLE 4.17: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
EKITI	ADO EKITI	27	27	100.00%	211	211	164	78%	100%
EKITI	EFON	3	3	100.00%	30	30	26	87%	100%
EKITI	EKITI SOUTH WEST	8	8	100.00%	80	80	79	99%	100%
EKITI	EKITI WEST	14	14	100.00%	140	140	119	85%	100%
EKITI	EKITI-EAST	9	9	100.00%	90	90	84	93%	100%
EKITI	EMURE	6	6	100.00%	60	60	50	83%	100%
EKITI	GBONYIN	9	9	100.00%	90	90	81	90%	100%
EKITI	IDO_OSI	9	9	100.00%	90	90	74	82%	100%
EKITI	IJERO	19	19	100.00%	190	190	187	98%	100%
EKITI	IKERE	14	14	100.00%	140	140	106	76%	100%
EKITI	IKOLE	16	16	100.00%	160	160	144	90%	100%
EKITI	ILEJEMEJE	5	5	100.00%	50	50	42	84%	100%
EKITI	IREPODUN/IFELODUN	14	14	100.00%	140	140	136	97%	100%
EKITI	ISE ORUN	8	8	100.00%	80	80	72	90%	100%
EKITI	MOBA	7	7	100.00%	70	70	60	86%	100%
EKITI	OYE	12	12	100.00%	120	120	108	90%	100%
TOTAL		180	180	100.00%	1741	1741	1532	88%	100%

TABLE 4.18: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
ENUGU	ANINRI	19	19	100.00%	190	190	185	97%	100%
ENUGU	AWGU	24	24	100.00%	240	240	235	98%	100%
ENUGU	ENUGU EAST	22	22	100.00%	208	208	202	97%	100%
ENUGU	ENUGU NORTH	5	5	100.00%	47	47	47	100%	100%
ENUGU	ENUGU SOUTH	9	9	100.00%	90	90	90	100%	100%
ENUGU	EZEAGU	20	20	100.00%	200	200	198	99%	100%
ENUGU	IGBO-ETITI	15	15	100.00%	150	150	150	100%	100%
ENUGU	IGBO-EZE NORTH	27	27	100.00%	270	270	263	97%	100%
ENUGU	IGBO-EZE SOUTH	12	12	100.00%	120	120	120	100%	100%
ENUGU	ISI-UZO	10	10	100.00%	100	100	100	100%	100%
ENUGU	NKANU EAST	13	13	100.00%	130	130	130	100%	100%
ENUGU	NKANU WEST	17	17	100.00%	170	170	169	99%	100%
ENUGU	NSUKKA	38	38	100.00%	380	380	379	100%	100%
ENUGU	OJI-RIVER	13	13	100.00%	130	130	130	100%	100%
ENUGU	UDENU	17	17	100.00%	170	170	170	100%	100%
ENUGU	UDI	27	27	100.00%	270	270	269	100%	100%
ENUGU	UZO UWANI	7	7	100.00%	70	70	70	100%	100%
TOTAL		295	295	100.00%	2935	2935	2907	99%	100%

TABLE 4.19: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
FCT	ABAJI	10	10	100.00%	100	100	94	94%	100%
FCT	ABUJA MUNICIPAL AREA COUNCIL	31	31	100.00%	275	275	238	87%	100%
FCT	BWARI	39	39	100.00%	366	365	327	90%	100%
FCT	GWAGWALADA	38	38	100.00%	380	380	346	91%	100%
FCT	KUJE	36	36	100.00%	358	358	342	96%	100%
FCT	KWALI	30	30	100.00%	300	300	273	91%	100%
TOTAL		184	184	100.00%	1779	1778	1620	91%	100%

TABLE 4.20: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
GOMBE	AKKO	40	40	100.00%	400	400	392	98%	100%
GOMBE	BALANGA	28	28	100.00%	280	280	280	100%	100%
GOMBE	BILLIRI	15	15	100.00%	150	150	145	97%	100%
GOMBE	DUKKU	35	35	100.00%	350	350	348	99%	100%
GOMBE	FUNA KAYE	27	27	100.00%	270	270	268	99%	100%
GOMBE	GOMBE	22	22	100.00%	219	219	219	100%	100%
GOMBE	KALTUNGO	22	22	100.00%	220	220	220	100%	100%
GOMBE	KWAMI	35	35	100.00%	350	350	350	100%	100%
GOMBE	NAFADA	9	9	100.00%	90	90	88	98%	100%
GOMBE	SHONGOM	7	7	100.00%	70	70	69	99%	100%
GOMBE	YAMALTU-DEBA	39	39	100.00%	390	390	389	100%	100%
TOTAL		279	279	100.00%	2789	2789	2768	99%	100%

TABLE 4.21: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
IMO	ABOH-MBAISE	35	35	100.00%	350	350	305	87%	100%
IMO	AHIAZU-MBAISE	10	10	100.00%	93	93	86	92%	100%
IMO	EHIME-MBANO	12	12	100.00%	120	120	115	96%	100%
IMO	EZINIHITE	11	11	100.00%	110	110	95	86%	100%
IMO	IDEATO NORTH	9	9	100.00%	84	84	75	89%	100%
IMO	IDEATO SOUTH	20	20	100.00%	200	200	180	90%	100%
IMO	IHITE/UBOMA	8	8	100.00%	80	80	72	90%	100%
IMO	IKEDURU	13	13	100.00%	130	130	127	98%	100%
IMO	ISIALA MBANO	24	24	100.00%	240	240	210	88%	100%
IMO	ISU	10	10	100.00%	100	100	85	85%	100%
IMO	MBAITOLI	39	39	100.00%	386	386	361	94%	100%
IMO	NGOR-OKPALA	40	40	100.00%	400	400	348	87%	100%
IMO	NKWERRE	4	4	100.00%	39	39	38	97%	100%
IMO	NWANGELE	9	9	100.00%	90	90	75	83%	100%
IMO	OBOWO	8	8	100.00%	80	80	69	86%	100%
IMO	OGUTA	16	12	75.00%	160	120	99	83%	75%
IMO	OHAJI/EGBEMA	33	33	100.00%	324	324	282	87%	100%
IMO	OKIGWE	9	9	100.00%	90	90	88	98%	100%
IMO	ORU WEST	8	8	100.00%	75	75	74	99%	100%
IMO	OWERRI-MUNICIPAL	6	6	100.00%	45	45	29	64%	100%
IMO	OWERRI-NORTH	39	39	100.00%	332	332	266	80%	100%
IMO	OWERRI-WEST	39	39	100.00%	276	276	254	92%	100%
IMO	UNUIMO	4	4	100.00%	40	40	35	88%	100%
TOTAL		406	402	99.00%	3844	3804	3368	89%	99%

TABLE 4.22: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
JIGAWA	AUYO	10	10	100.00%	100	100	100	100%	100%
JIGAWA	BABURA	18	18	100.00%	180	180	180	100%	100%
JIGAWA	BIRNIN KUDU	31	31	100.00%	309	309	300	97%	100%
JIGAWA	BIRNIWA	13	13	100.00%	130	130	114	88%	100%
JIGAWA	BUJI	8	8	100.00%	80	80	80	100%	100%
JIGAWA	DUTSE	31	31	100.00%	310	310	303	98%	100%
JIGAWA	GAGARAWA	7	7	100.00%	70	70	70	100%	100%
JIGAWA	GARKI	15	15	100.00%	150	150	150	100%	100%
JIGAWA	GUMEL	6	6	100.00%	60	60	45	75%	100%
JIGAWA	GURI	15	15	100.00%	150	150	136	91%	100%
JIGAWA	GWARAM	35	35	100.00%	350	350	348	99%	100%
JIGAWA	GWIWA	9	9	100.00%	90	90	90	100%	100%
JIGAWA	HADEJIA	7	7	100.00%	70	70	70	100%	100%
JIGAWA	JAHUN	20	20	100.00%	200	200	199	100%	100%
JIGAWA	KAFIN-HAUSA	24	24	100.00%	240	240	237	99%	100%
JIGAWA	KAUGAMA	13	13	100.00%	130	130	127	98%	100%
JIGAWA	KAZAURE	10	10	100.00%	100	100	97	97%	100%
JIGAWA	KIRIKASAMMA	14	14	100.00%	140	140	137	98%	100%
JIGAWA	KIYAWA	18	18	100.00%	180	180	170	94%	100%
JIGAWA	MAIGATARI	9	9	100.00%	90	90	80	89%	100%
JIGAWA	MALAM MADORI	18	18	100.00%	180	180	170	94%	100%
JIGAWA	MIGA	17	17	100.00%	170	170	170	100%	100%
JIGAWA	RINGIM	24	24	100.00%	235	235	233	99%	100%
JIGAWA	RONI	8	8	100.00%	80	80	80	100%	100%
JIGAWA	SULE TANKARKAR	23	23	100.00%	230	230	224	97%	100%
JIGAWA	TAURA	12	12	100.00%	120	120	120	100%	100%
JIGAWA	YANKWASHI	6	6	100.00%	60	60	60	100%	100%
	TOTAL	421	421	100.00%	4204	4204	4090	97%	100%

TABLE 4.23: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
KADUNA	BIRNIN GWARI	7	7	100.00%	70	70	70	100%	100%
KADUNA	CHIKUN	36	36	100.00%	347	347	324	93%	100%
KADUNA	GIWA	40	40	100.00%	392	377	333	88%	96%
KADUNA	IGABI	34	34	100.00%	335	335	320	96%	100%
KADUNA	IKARA	40	40	100.00%	400	400	383	96%	100%
KADUNA	JABA	6	6	100.00%	60	60	59	98%	100%
KADUNA	JEMAA	37	37	100.00%	370	370	364	98%	100%
KADUNA	KACHIA	35	35	100.00%	342	342	326	95%	100%
KADUNA	KADUNA NORTH	16	16	100.00%	158	158	132	84%	100%
KADUNA	KADUNA SOUTH	37	37	100.00%	360	360	357	99%	100%
KADUNA	KAGARKO	38	38	100.00%	376	376	333	89%	100%
KADUNA	KAJURU	12	12	100.00%	120	120	119	99%	100%
KADUNA	KAURA	11	11	100.00%	110	110	109	99%	100%
KADUNA	KAURU	40	40	100.00%	398	398	389	98%	100%
KADUNA	KUBAU	39	39	100.00%	390	390	380	97%	100%
KADUNA	KUDAN	10	10	100.00%	100	100	100	100%	100%
KADUNA	LERE	40	40	100.00%	400	395	378	96%	99%
KADUNA	MAKARFI	40	40	100.00%	398	394	379	96%	99%
KADUNA	SABON GARI	40	40	100.00%	399	399	399	100%	100%
KADUNA	SANGA	12	12	100.00%	120	120	120	100%	100%
KADUNA	SOBA	40	40	100.00%	397	397	347	87%	100%
KADUNA	ZANGON KATAF	18	18	100.00%	180	180	178	99%	100%
KADUNA	ZARIA	36	36	100.00%	344	344	340	99%	100%
TOTAL		664	664	100.00%	6566	6542	6239	95%	100%

TABLE 4.24: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate
KANO	AJINGI	17	17	100.00%	170	170	163	96%
KANO	ALBASU	19	19	100.00%	190	190	190	100%
KANO	BAGWAI	24	24	100.00%	240	240	239	100%
KANO	BEBEJI	25	25	100.00%	250	250	242	97%
KANO	BICHI	20	20	100.00%	200	200	189	95%
KANO	BUNKURE	22	21	95.50%	220	210	210	100%
KANO	DALA	14	14	100.00%	140	140	138	99%
KANO	DAMBATTA	24	24	100.00%	240	240	236	98%
KANO	DAWAKIN KUDU	32	32	100.00%	320	320	320	100%
KANO	DAWAKIN TOFA	21	21	100.00%	210	210	210	100%
KANO	DOGUWA	16	16	100.00%	160	160	160	100%
KANO	FAGGE	12	12	100.00%	98	98	88	90%
KANO	GABASAWA	19	19	100.00%	190	190	190	100%
KANO	GARKO	22	22	100.00%	220	220	220	100%
KANO	GARUN MALAM	12	12	100.00%	120	120	120	100%
KANO	GAYA	12	12	100.00%	120	120	120	100%
KANO	GEZAWA	31	31	100.00%	310	310	301	97%
KANO	GWALE	31	31	100.00%	308	308	302	98%
KANO	GWARZO	20	20	100.00%	200	200	200	100%
KANO	KABO	14	14	100.00%	140	140	133	95%
KANO	KANO MUNICIPAL	8	8	100.00%	77	77	77	100%
KANO	KARAYE	10	10	100.00%	100	100	100	100%
KANO	KIBIYA	11	11	100.00%	110	110	109	99%
KANO	KIRU	32	32	100.00%	320	320	308	96%
KANO	KUMBOTSO	40	40	100.00%	398	398	384	96%
KANO	KUNCHI	15	15	100.00%	150	150	150	100%
KANO	KURA	26	26	100.00%	260	260	254	98%
KANO	MADOBI	15	15	100.00%	150	150	144	96%
KANO	MAKODA	15	15	100.00%	150	150	150	100%

TABLE 4.24: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA								
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate
KANO	MINJIBIR	24	24	100.00%	240	240	239	100%
KANO	NASARAWA(KANO)	32	32	100.00%	304	304	289	95%
KANO	RANO	14	14	100.00%	140	140	139	99%
KANO	RIMIN GADO	11	11	100.00%	110	110	109	99%
KANO	ROGO	32	32	100.00%	320	320	318	99%
KANO	SHANONO	13	13	100.00%	130	130	128	98%
KANO	SUMAILA	40	40	100.00%	400	400	399	100%
KANO	TAKAI	23	23	100.00%	230	230	229	100%
KANO	TARAUNI	12	12	100.00%	120	120	118	98%
KANO	TOFA	11	11	100.00%	110	110	109	99%
KANO	TSANYAWA	20	20	100.00%	200	200	200	100%
KANO	TUDUN WADA	40	40	100.00%	400	400	391	98%
KANO	UNGOGO	40	40	100.00%	400	400	390	98%
KANO	WARAWA	15	15	100.00%	150	150	150	100%
KANO	WUDIL	20	20	100.00%	200	200	198	99%
TOTAL		926	925	99.90%	9215	9205	9053	98%

TABLE 4.25: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
KATSINA	BAKORI	12	12	100.00%	120	120	120	100%	100%
KATSINA	BATAGARAWA	13	13	100.00%	130	130	130	100%	100%
KATSINA	BATSARI	9	9	100.00%	90	90	89	99%	100%
KATSINA	BAURE	15	15	100.00%	150	150	150	100%	100%
KATSINA	BINDAWA	8	8	100.00%	80	80	80	100%	100%
KATSINA	CHARANCHI	8	8	100.00%	80	80	79	99%	100%
KATSINA	DAN MUSA	9	9	100.00%	90	90	85	94%	100%
KATSINA	DANDUME	11	11	100.00%	110	110	110	100%	100%
KATSINA	DANJA	13	13	100.00%	130	130	127	98%	100%
KATSINA	DAURA	6	6	100.00%	60	60	60	100%	100%
KATSINA	DUTSI	9	9	100.00%	90	90	90	100%	100%
KATSINA	DUTSIN MA	11	11	100.00%	104	104	102	98%	100%
KATSINA	FASKARI	8	5	62.50%	79	49	46	94%	62%
KATSINA	FUNTUA	15	14	93.30%	150	140	140	100%	93%
KATSINA	INGAWA	13	13	100.00%	130	130	130	100%	100%
KATSINA	JIBIA	5	5	100.00%	43	43	43	100%	100%
KATSINA	KAFUR	20	20	100.00%	200	200	200	100%	100%
KATSINA	KAITA	12	12	100.00%	120	120	120	100%	100%
KATSINA	KANKARA	11	8	72.70%	105	75	73	97%	71%
KATSINA	KANKIA	12	12	100.00%	120	120	120	100%	100%
KATSINA	KATSINA	30	30	100.00%	291	290	286	99%	100%
KATSINA	KURFI	8	8	100.00%	80	80	66	83%	100%
KATSINA	KUSADA	7	7	100.00%	70	70	70	100%	100%
KATSINA	MAI'ADUA	11	11	100.00%	110	110	110	100%	100%
KATSINA	MALUMFASHI	19	18	94.70%	190	180	174	97%	95%
KATSINA	MANI	14	14	100.00%	140	140	140	100%	100%
KATSINA	MASHI	16	15	93.80%	160	150	150	100%	94%

TABLE 4.25: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
KATSINA	MATAZU	9	9	100.00%	90	90	87	97%	100%
KATSINA	MUSAWA	12	12	100.00%	120	120	120	100%	100%
KATSINA	RIMI	9	9	100.00%	90	90	90	100%	100%
KATSINA	SABUWA	8	8	100.00%	80	80	80	100%	100%
KATSINA	SAFANA	8	8	100.00%	80	80	80	100%	100%
KATSINA	SANDAMU	8	8	100.00%	80	80	80	100%	100%
KATSINA	ZANGO	8	8	100.00%	80	80	80	100%	100%
TOTAL		387	378	97.70%	3842	3751	3707	99%	98%

TABLE 4.26: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
KEBBI	ALIERO	10	10	100.00%	100	100	100	100%	100%
KEBBI	AREWA-DANDI	40	40	100.00%	389	389	382	98%	100%
KEBBI	ARGUNGU	29	29	100.00%	289	289	289	100%	100%
KEBBI	AUGIE	19	19	100.00%	190	190	190	100%	100%
KEBBI	BAGUDO	39	39	100.00%	390	390	385	99%	100%
KEBBI	BIRNIN KEBBI	35	35	100.00%	349	345	334	97%	99%
KEBBI	BUNZA	19	19	100.00%	190	190	190	100%	100%
KEBBI	DANDI	24	24	100.00%	240	240	240	100%	100%
KEBBI	FAKAI	21	21	100.00%	210	210	210	100%	100%
KEBBI	GWANDU	29	29	100.00%	290	289	281	97%	100%
KEBBI	JEGA	24	24	100.00%	240	240	240	100%	100%
KEBBI	KALGO	12	12	100.00%	120	120	120	100%	100%
KEBBI	KOKO/BESSE	20	20	100.00%	200	200	198	99%	100%
KEBBI	MAIYAMA	25	25	100.00%	250	250	249	100%	100%
KEBBI	NGASKI	13	13	100.00%	130	130	130	100%	100%
KEBBI	SAKABA	12	12	100.00%	114	114	112	98%	100%
KEBBI	SHANGA	24	24	100.00%	240	240	239	100%	100%
KEBBI	SURU	32	32	100.00%	320	319	310	97%	100%
KEBBI	WASAGU/DANKO	36	36	100.00%	360	360	302	84%	100%
KEBBI	YAURI	9	9	100.00%	90	90	90	100%	100%
KEBBI	ZURU	17	17	100.00%	170	170	170	100%	100%
TOTAL		489	489	100.00%	4871	4865	4761	98%	100%

TABLE 4.27: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
KOGI	ADAVI	23	23	100.00%	230	230	224	97%	100%
KOGI	AJAOKUTA	31	31	100.00%	310	310	305	98%	100%
KOGI	ANKPA	35	35	100.00%	350	350	325	93%	100%
KOGI	BASSA(KOGI)	20	20	100.00%	197	197	188	95%	100%
KOGI	DEKINA	39	39	100.00%	390	390	378	97%	100%
KOGI	IBAJI	19	19	100.00%	190	190	186	98%	100%
KOGI	IDAH	10	10	100.00%	100	100	100	100%	100%
KOGI	IGALAMELA-ODOLU	25	25	100.00%	250	250	204	82%	100%
KOGI	IJUMU	13	13	100.00%	130	130	128	98%	100%
KOGI	KABBA_BUNU	19	19	100.00%	190	190	186	98%	100%
KOGI	KOGI KOTON KERFE	13	13	100.00%	130	130	114	88%	100%
KOGI	LOKOJA	36	36	100.00%	308	308	268	87%	100%
KOGI	MOPA-MURO	5	5	100.00%	50	50	49	98%	100%
KOGI	OFU	27	27	100.00%	270	270	253	94%	100%
KOGI	OGORI MAGONGO	4	4	100.00%	40	40	39	98%	100%
KOGI	OKEHI	17	17	100.00%	170	170	154	91%	100%
KOGI	OKENE	20	20	100.00%	200	200	191	96%	100%
KOGI	OLAMABORO	29	29	100.00%	290	290	273	94%	100%
KOGI	OMALA	14	14	100.00%	140	140	104	74%	100%
KOGI	YAGBA EAST	10	10	100.00%	95	95	93	98%	100%
KOGI	YAGBA WEST	12	12	100.00%	120	120	84	70%	100%
TOTAL		421	421	100.00%	4150	4150	3846	93%	100%

TABLE 4.28: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
KWARA	ASA	40	40	100.00%	391	391	374	96%	100%
KWARA	BARUTEN	38	38	100.00%	360	360	348	97%	100%
KWARA	EDU	39	39	100.00%	388	388	368	95%	100%
KWARA	EKITI	8	8	100.00%	80	80	71	89%	100%
KWARA	IFELODUN(KWARA)	40	40	100.00%	397	394	342	87%	99%
KWARA	ILORIN EAST	36	36	100.00%	350	350	321	92%	100%
KWARA	ILORIN SOUTH	37	37	100.00%	359	359	359	100%	100%
KWARA	ILORIN WEST	39	39	100.00%	377	377	345	92%	100%
KWARA	IREPODUN(KWARA)	40	40	100.00%	390	390	365	94%	100%
KWARA	ISIN	7	7	100.00%	70	70	68	97%	100%
KWARA	KAIAMA	40	37	92.50%	399	369	332	90%	92%
KWARA	MORO	39	38	97.40%	390	380	288	76%	97%
KWARA	OFFA	22	22	100.00%	208	208	200	96%	100%
KWARA	OKE-ERO	10	10	100.00%	95	95	80	84%	100%
KWARA	OYUN	20	20	100.00%	200	200	143	72%	100%
KWARA	PATIGI	38	38	100.00%	380	380	293	77%	100%
TOTAL		493	489	99.20%	4834	4791	4297	90%	99%

TABLE 4.29: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
LAGOS	AGEGE	10	10	100.00%	45	45	41	91%	100%
LAGOS	AJEROMI-IFELODUN	4	4	100.00%	8	8	7	88%	100%
LAGOS	ALIMOSHO	20	20	100.00%	79	79	75	95%	100%
LAGOS	AMUWO ODOFIN	13	13	100.00%	59	59	45	76%	100%
LAGOS	APAPA	10	10	100.00%	79	79	49	62%	100%
LAGOS	BADAGRY	39	39	100.00%	364	364	348	96%	100%
LAGOS	EPE	32	32	100.00%	183	183	151	83%	100%
LAGOS	ETI-OSA	23	23	100.00%	49	49	43	88%	100%
LAGOS	IBEJU-LEKKI	37	37	100.00%	325	325	284	87%	100%
LAGOS	IFAKO-IJAIYE	16	16	100.00%	89	89	73	82%	100%
LAGOS	IKEJA	39	39	100.00%	316	316	302	96%	100%
LAGOS	IKORODU	37	37	100.00%	170	170	159	94%	100%
LAGOS	KOSOFE	16	16	100.00%	51	51	46	90%	100%
LAGOS	LAGOS ISLAND	5	5	100.00%	16	16	16	100%	100%
LAGOS	LAGOS MAIN LAND	11	11	100.00%	71	71	66	93%	100%
LAGOS	MUSHIN	18	18	100.00%	107	107	82	77%	100%
LAGOS	OJO	26	26	100.00%	91	91	90	99%	100%
LAGOS	OSHODI ISOLO	9	9	100.00%	30	30	20	67%	100%
LAGOS	SOMOLU	5	5	100.00%	13	13	11	85%	100%
LAGOS	SURULERE(LAGOS)	6	6	100.00%	10	10	10	100%	100%
TOTAL		376	376	100.00%	2155	2155	1918	89%	100%

TABLE 4.30: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
NASARAWA	AKWANGA	40	40	100.00%	400	400	338	85%	100%
NASARAWA	AWE	40	40	100.00%	394	394	394	100%	100%
NASARAWA	DOMA	39	39	100.00%	390	390	352	90%	100%
NASARAWA	KARU	40	40	100.00%	399	399	341	85%	100%
NASARAWA	KEANA	40	40	100.00%	400	400	380	95%	100%
NASARAWA	KEFFI	29	29	100.00%	290	290	287	99%	100%
NASARAWA	KOKONA	40	40	100.00%	398	398	361	91%	100%
NASARAWA	LAFIA	40	40	100.00%	363	363	360	99%	100%
NASARAWA	NASARAWA(NASARAWA)	40	40	100.00%	396	395	358	91%	100%
NASARAWA	NASSARAWA EGGON	40	40	100.00%	400	400	397	99%	100%
NASARAWA	OBI(NASARAWA)	40	40	100.00%	399	399	372	93%	100%
NASARAWA	TOTO	40	40	100.00%	400	400	391	98%	100%
NASARAWA	WAMBA	25	25	100.00%	250	250	250	100%	100%
TOTAL		493	493	100.00%	4879	4878	4581	94%	100%

TABLE 4.31: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
NIGER	AGAIE	25	25	100.00%	250	250	241	96%	100%
NIGER	AGWARA	8	8	100.00%	80	80	77	96%	100%
NIGER	BIDA	19	19	100.00%	180	180	153	85%	100%
NIGER	BORGU	40	40	100.00%	400	400	285	71%	100%
NIGER	BOSSO	18	18	100.00%	174	174	164	94%	100%
NIGER	CHANCHAGA	25	25	100.00%	248	248	224	90%	100%
NIGER	EDATTI	10	10	100.00%	100	100	88	88%	100%
NIGER	GBAKO	40	40	100.00%	398	398	390	98%	100%
NIGER	GURARA	21	21	100.00%	210	210	187	89%	100%
NIGER	KATCHA	25	25	100.00%	250	250	238	95%	100%
NIGER	KONTAGORA	40	40	100.00%	400	400	388	97%	100%
NIGER	LAPAI	38	38	100.00%	378	378	357	94%	100%
NIGER	LAVUN	39	39	100.00%	374	374	355	95%	100%
NIGER	MAGAMA	38	38	100.00%	380	380	379	100%	100%
NIGER	MARIGA	29	29	100.00%	290	290	226	78%	100%
NIGER	MASHEGU	40	40	100.00%	400	400	391	98%	100%
NIGER	MOKWA	40	40	100.00%	400	400	391	98%	100%
NIGER	MUNYA	12	12	100.00%	120	120	86	72%	100%
NIGER	PAIKORO	30	30	100.00%	300	300	250	83%	100%
NIGER	RAFI	12	12	100.00%	117	117	117	100%	100%
NIGER	RIJAU	11	11	100.00%	110	110	110	100%	100%
NIGER	SHIRORO	35	35	100.00%	350	350	342	98%	100%
NIGER	SULEJA	22	22	100.00%	206	206	204	99%	100%
NIGER	TAFA	14	14	100.00%	140	140	132	94%	100%
NIGER	WUSHISHI	12	12	100.00%	120	120	100	83%	100%
TOTAL		643	643	100.00%	6375	6375	5875	92%	100%

TABLE 4.32: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
OGUN	ABEOKUTA SOUTH	18	18	100.00%	165	165	122	74%	100%
OGUN	ABEOKUTA NORTH	20	20	100.00%	196	196	178	91%	100%
OGUN	ADO-ODO_OTA	40	40	100.00%	380	380	375	99%	100%
OGUN	EGBADO NORTH	40	40	100.00%	400	400	387	97%	100%
OGUN	EGBADO SOUTH	40	40	100.00%	390	390	390	100%	100%
OGUN	EWEKORO	26	26	100.00%	259	259	254	98%	100%
OGUN	IFO	40	40	100.00%	289	289	263	91%	100%
OGUN	IJEBU EAST	18	18	100.00%	180	180	159	88%	100%
OGUN	IJEBU NORTH	40	40	100.00%	385	385	385	100%	100%
OGUN	IJEBU NORTH EAST	9	9	100.00%	85	85	69	81%	100%
OGUN	IJEBU ODE	8	8	100.00%	80	80	80	100%	100%
OGUN	IKENNE	8	8	100.00%	78	78	78	100%	100%
OGUN	IMEKO_AFON	24	24	100.00%	240	240	235	98%	100%
OGUN	IPOKIA	39	39	100.00%	368	368	312	85%	100%
OGUN	OBAFEMI OWODE	38	38	100.00%	275	275	236	86%	100%
OGUN	ODEDA	40	40	100.00%	400	400	348	87%	100%
OGUN	ODOGBOLU	29	29	100.00%	290	290	215	74%	100%
OGUN	OGUN WATERSIDE	18	18	100.00%	180	180	176	98%	100%
OGUN	REMO NORTH	8	8	100.00%	80	80	80	100%	100%
OGUN	SAGAMU	38	38	100.00%	358	358	331	92%	100%
TOTAL		541	541	100.00%	5078	5078	4673	92%	100%

TABLE 4.33: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
ONDO	AKOKO NORTH EAST	12	12	100.00%	120	120	115	96%	100%
ONDO	AKOKO NORTH WEST	17	17	100.00%	170	170	170	100%	100%
ONDO	AKOKO SOUTH EAST	4	4	100.00%	40	40	40	100%	100%
ONDO	AKOKO SOUTH WEST	18	18	100.00%	180	180	180	100%	100%
ONDO	AKURE NORTH	18	18	100.00%	168	168	151	90%	100%
ONDO	AKURE SOUTH	32	32	100.00%	312	312	307	98%	100%
ONDO	ESE-ODO	4	4	100.00%	45	45	44	98%	100%
ONDO	IDANRE	16	16	100.00%	160	160	156	98%	100%
ONDO	IFEDORE	6	6	100.00%	60	60	59	98%	100%
ONDO	ILAJE	8	8	100.00%	91	91	91	100%	100%
ONDO	ILE OLUJI/OKEIGBO	9	9	100.00%	90	90	88	98%	100%
ONDO	IRELE	15	15	100.00%	150	150	144	96%	100%
ONDO	ODIGBO	24	24	100.00%	230	230	169	73%	100%
ONDO	OKITIPUPA	19	19	100.00%	190	190	184	97%	100%
ONDO	ONDO EAST	8	8	100.00%	80	80	74	93%	100%
ONDO	ONDO WEST	19	19	100.00%	187	187	167	89%	100%
ONDO	OSE	10	10	100.00%	100	100	100	100%	100%
ONDO	OWO	25	25	100.00%	250	250	249	100%	100%
TOTAL		264	264	100.00%	2623	2623	2488	95%	100%

TABLE 4.34: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
OSUN	AIYEDADE	11	11	100.00%	110	110	109	99%	100%
OSUN	ATAKUMOSA WEST	7	7	100.00%	70	70	64	91%	100%
OSUN	ATAKUMOSA EAST	10	10	100.00%	100	100	100	100%	100%
OSUN	AYEDIRE	6	6	100.00%	60	60	60	100%	100%
OSUN	BOLUWADURO	4	4	100.00%	40	40	39	98%	100%
OSUN	BORIPE	13	13	100.00%	130	130	113	87%	100%
OSUN	EDE NORTH	8	8	100.00%	79	79	67	85%	100%
OSUN	EDE SOUTH	11	11	100.00%	110	110	92	84%	100%
OSUN	EGBEDORE	13	13	100.00%	130	130	124	95%	100%
OSUN	EJIGBO	11	11	100.00%	110	110	110	100%	100%
OSUN	IFE CENTRAL	8	8	100.00%	80	80	75	94%	100%
OSUN	IFE EAST	26	26	100.00%	260	260	248	95%	100%
OSUN	IFE NORTH	11	11	100.00%	110	110	106	96%	100%
OSUN	IFE SOUTH	24	24	100.00%	240	240	202	84%	100%
OSUN	IFEDAYO	4	4	100.00%	40	40	40	100%	100%
OSUN	IFELODUN(OSUN)	7	7	100.00%	69	69	47	68%	100%
OSUN	ILA	8	8	100.00%	80	80	67	84%	100%
OSUN	ILESHA EAST	12	12	100.00%	120	120	107	89%	100%
OSUN	ILESHA WEST	7	7	100.00%	70	70	61	87%	100%
OSUN	IREPODUN(OSUN)	7	7	100.00%	70	70	64	91%	100%
OSUN	IREWOLE	10	10	100.00%	100	100	91	91%	100%
OSUN	ISOKAN	11	11	100.00%	110	110	104	95%	100%
OSUN	IWO	32	32	100.00%	316	316	306	97%	100%
OSUN	OBOKUN	7	7	100.00%	70	70	66	94%	100%
OSUN	ODO OTIN	8	8	100.00%	78	78	74	95%	100%
OSUN	OLA-OLUWA	6	6	100.00%	60	60	60	100%	100%
OSUN	OLORUNDA	18	18	100.00%	178	178	168	94%	100%
OSUN	ORIADE	11	11	100.00%	106	106	98	92%	100%
OSUN	OROLU	8	8	100.00%	80	80	72	90%	100%
OSUN	OSOGBO	15	15	100.00%	149	149	137	92%	100%
	TOTAL	334	334	100.00%	3325	3325	3071	92%	100%

TABLE 4.35: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
OYO	AFIJO	13	13	100.00%	130	130	125	96%	100%
OYO	AKINYELE	16	16	100.00%	153	153	127	83%	100%
OYO	ATIBA	30	30	100.00%	300	300	267	89%	100%
OYO	ATISBO	12	12	100.00%	120	120	103	86%	100%
OYO	EGBEDA	33	33	100.00%	330	330	294	89%	100%
OYO	IBADAN NORTH	9	9	100.00%	90	90	69	77%	100%
OYO	IBADAN NORTHEAST	9	9	100.00%	90	90	86	96%	100%
OYO	IBADAN NORTHWEST	2	2	100.00%	20	20	16	80%	100%
OYO	IBADAN SOUTH EAST	10	10	100.00%	92	92	80	87%	100%
OYO	IBADAN SOUTH WEST	13	13	100.00%	149	149	120	81%	100%
OYO	IBARAPA CENTRAL	12	12	100.00%	120	120	120	100%	100%
OYO	IBARAPA-EAST	8	8	100.00%	80	80	80	100%	100%
OYO	IBARAPA-NORTH	10	10	100.00%	100	100	83	83%	100%
OYO	IDO	24	24	100.00%	233	233	211	91%	100%
OYO	IREPO	12	12	100.00%	120	120	109	91%	100%
OYO	ISEYIN	19	19	100.00%	190	190	147	77%	100%
OYO	ITESIWAJU	13	13	100.00%	130	130	109	84%	100%
OYO	IWAJOWA	12	12	100.00%	120	120	94	78%	100%
OYO	KAJOLA	8	8	100.00%	80	80	77	96%	100%
OYO	LAGELU	13	13	100.00%	130	130	101	78%	100%
OYO	OGBOMOSO NORTH	23	23	100.00%	230	230	186	81%	100%
OYO	OGBOMOSO SOUTH	10	10	100.00%	100	100	69	69%	100%
OYO	OGO-OLUWA	6	6	100.00%	60	60	48	80%	100%
OYO	OLORUNSOGO	5	5	100.00%	50	50	50	100%	100%
OYO	OLUYOLE	34	34	100.00%	333	333	301	90%	100%
OYO	ONA ARA	29	29	100.00%	290	290	252	87%	100%
OYO	ORELOPE	12	12	100.00%	120	120	108	90%	100%
OYO	ORIIRE	17	17	100.00%	170	170	128	75%	100%
OYO	OYO EAST	11	11	100.00%	110	110	97	88%	100%
OYO	OYO WEST	11	11	100.00%	110	110	79	72%	100%
OYO	SAKI EAST	12	12	100.00%	120	120	106	88%	100%
OYO	SAKI WEST	29	29	100.00%	290	290	252	87%	100%
OYO	SURULERE(OYO)	20	20	100.00%	200	200	164	82%	100%
	TOTAL	497	497	100.00%	4960	4960	4258	86%	100%

TABLE 4.36: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
PLATEAU	BARKIN LADI	39	38	97.40%	390	380	367	97%	97%
PLATEAU	BASSA(PLATEAU)	40	40	100.00%	398	398	390	98%	100%
PLATEAU	BOKKOS	36	36	100.00%	357	357	355	99%	100%
PLATEAU	JOS EAST	26	26	100.00%	260	260	250	96%	100%
PLATEAU	JOS NORTH	40	40	100.00%	358	358	302	84%	100%
PLATEAU	JOS SOUTH	40	39	97.50%	386	376	269	72%	97%
PLATEAU	KANAM	39	39	100.00%	380	380	360	95%	100%
PLATEAU	KANKE	30	30	100.00%	300	300	276	92%	100%
PLATEAU	LANGTANG NORTH	40	40	100.00%	400	400	372	93%	100%
PLATEAU	LANTANG SOUTH	30	30	100.00%	300	300	288	96%	100%
PLATEAU	MANGU	34	34	100.00%	328	328	310	95%	100%
PLATEAU	MIKANG	34	34	100.00%	340	340	339	100%	100%
PLATEAU	PANKSHIN	38	38	100.00%	380	380	329	87%	100%
PLATEAU	QUA'?'N PAN	40	40	100.00%	395	395	390	99%	100%
PLATEAU	RIYOM	31	31	100.00%	310	310	305	98%	100%
PLATEAU	SHENDAM	37	37	100.00%	370	370	370	100%	100%
PLATEAU	WASE	37	37	100.00%	364	364	359	99%	100%
TOTAL		611	609	99.70%	6016	5996	5631	94%	100%

TABLE 4.37: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
RIVERS	ABUA/ODUAL	30	30	100.00%	300	298	219	73%	99%
RIVERS	AHOADA EAST	40	40	100.00%	400	400	356	89%	100%
RIVERS	AHOADA WEST	14	14	100.00%	140	140	104	74%	100%
RIVERS	AKUKU TORU	4	4	100.00%	23	23	12	52%	100%
RIVERS	ANDONI	10	10	100.00%	119	119	83	70%	100%
RIVERS	ASARI-TORU	5	5	100.00%	49	49	37	76%	100%
RIVERS	BONNY	5	5	100.00%	48	48	39	81%	100%
RIVERS	DEGEMA	9	9	100.00%	89	89	80	90%	100%
RIVERS	ELEME	36	36	100.00%	359	358	270	75%	100%
RIVERS	EMOHUA	30	30	100.00%	293	293	165	56%	100%
RIVERS	ETCHE	40	40	100.00%	397	397	309	78%	100%
RIVERS	GOKANA	20	20	100.00%	200	200	162	81%	100%
RIVERS	IKWERRE	40	40	100.00%	392	392	304	78%	100%
RIVERS	KHANA	40	40	100.00%	390	390	382	98%	100%
RIVERS	OBIO/AKPOR	39	39	100.00%	414	413	216	52%	100%
RIVERS	OGBA/EGBEMA/NDONI	37	37	100.00%	364	364	338	93%	100%
RIVERS	OGU/BOLO	4	4	100.00%	25	25	21	84%	100%
RIVERS	OKRIKA	6	6	100.00%	72	72	52	72%	100%
RIVERS	OMUMMA	6	6	100.00%	60	60	58	97%	100%
RIVERS	OPOBO/NKORO	4	4	100.00%	34	34	25	74%	100%
RIVERS	OYIGBO	40	40	100.00%	391	391	261	67%	100%
RIVERS	PORT-HARCOURT	34	34	100.00%	239	239	179	75%	100%
RIVERS	TAI	23	23	100.00%	230	230	208	90%	100%
TOTAL		516	516	100.00%	5028	5024	3880	77%	100%

TABLE 4.38: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
SOKOTO	BINJI	11	11	100.00%	110	110	110	100%	100%
SOKOTO	BODINGA	13	13	100.00%	130	130	130	100%	100%
SOKOTO	DANGE SHUNI	27	27	100.00%	270	270	270	100%	100%
SOKOTO	GADA	22	22	100.00%	216	216	215	100%	100%
SOKOTO	GORONYO	28	28	100.00%	280	280	249	89%	100%
SOKOTO	GUDU	14	14	100.00%	140	140	140	100%	100%
SOKOTO	GWADABAWA	40	40	100.00%	400	400	400	100%	100%
SOKOTO	ILLELA	25	25	100.00%	249	249	249	100%	100%
SOKOTO	ISA	7	7	100.00%	70	70	70	100%	100%
SOKOTO	KEBBE	16	16	100.00%	160	160	160	100%	100%
SOKOTO	KWARE	22	22	100.00%	220	220	220	100%	100%
SOKOTO	RABAH	13	13	100.00%	130	130	130	100%	100%
SOKOTO	SABON BIRNI	40	40	100.00%	400	400	399	100%	100%
SOKOTO	SHAGARI	17	17	100.00%	170	170	170	100%	100%
SOKOTO	SILAME	22	22	100.00%	220	220	218	99%	100%
SOKOTO	SOKOTO NORTH	15	15	100.00%	150	150	150	100%	100%
SOKOTO	SOKOTO SOUTH	20	20	100.00%	200	200	195	98%	100%
SOKOTO	TAMBUWAL	28	28	100.00%	280	280	280	100%	100%
SOKOTO	TANGAZA	18	18	100.00%	180	180	180	100%	100%
SOKOTO	TURETA	8	8	100.00%	80	80	80	100%	100%
SOKOTO	WAMAKKO	27	27	100.00%	265	265	256	97%	100%
SOKOTO	WURNO	18	18	100.00%	180	180	180	100%	100%
SOKOTO	YABO	14	14	100.00%	140	140	140	100%	100%
TOTAL		465	465	100.00%	4640	4640	4591	99%	100%

TABLE 4.39: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
TARABA	ARDO-KOLA	40	40	100.00%	400	396	383	97%	99%
TARABA	BALI	35	35	100.00%	347	347	337	97%	100%
TARABA	DONGA	39	39	100.00%	378	378	370	98%	100%
TARABA	GASHAKA	24	24	100.00%	240	238	227	95%	99%
TARABA	GASSOL	35	35	100.00%	350	344	333	97%	98%
TARABA	IBI	21	21	100.00%	210	210	206	98%	100%
TARABA	JALINGO	36	36	100.00%	357	357	355	99%	100%
TARABA	KARIM LAMIDO	36	36	100.00%	360	360	356	99%	100%
TARABA	KURMI	36	36	100.00%	353	353	346	98%	100%
TARABA	LAU	21	21	100.00%	210	210	207	99%	100%
TARABA	SARDAUNA	40	40	100.00%	400	400	400	100%	100%
TARABA	TAKUM	33	33	100.00%	325	325	321	99%	100%
TARABA	USSA	34	34	100.00%	339	339	325	96%	100%
TARABA	WUKARI	34	34	100.00%	338	332	264	80%	98%
TARABA	YORRO	40	40	100.00%	400	400	400	100%	100%
TARABA	ZING	30	30	100.00%	300	300	300	100%	100%
TOTAL		534	534	100.00%	5307	5289	5130	97%	100%

TABLE 4.40: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA

State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
YOBE	BADE	40	40	100.00%	398	398	398	100%	100%
YOBE	BURSARI	14	14	100.00%	140	140	140	100%	100%
YOBE	DAMATURU	27	27	100.00%	270	270	256	95%	100%
YOBE	FIKA	32	32	100.00%	320	320	320	100%	100%
YOBE	FUNE	40	40	100.00%	396	396	392	99%	100%
YOBE	GEIDAM	21	21	100.00%	210	210	202	96%	100%
YOBE	GUJBA	14	14	100.00%	140	140	140	100%	100%
YOBE	GULANI	20	20	100.00%	200	200	190	95%	100%
YOBE	JAKUSKO	21	21	100.00%	210	210	210	100%	100%
YOBE	KARASUWA	17	17	100.00%	170	170	170	100%	100%
YOBE	MACHINA	9	9	100.00%	90	90	90	100%	100%
YOBE	NANGERE	17	17	100.00%	170	170	169	99%	100%
YOBE	NGURU	38	38	100.00%	380	380	380	100%	100%
YOBE	POTISKUM	39	39	100.00%	390	390	390	100%	100%
YOBE	TARMUWA	12	12	100.00%	120	120	118	98%	100%
YOBE	YUNUSARI	18	18	100.00%	180	180	180	100%	100%
YOBE	YUSUFARI	22	22	100.00%	220	220	220	100%	100%
TOTAL		401	401	100.00%	4004	4004	3965	99%	100%

TABLE 4.41: TOTAL NUMBER OF EAS AND HOUSEHOLDS COVERED BY STATE AND LGA									
State	LGA	No. of EAs in sample	No. of EAs visited with at least one HH	EAs completed	No. of HHs in Sample	No. of HH attempted	No. of HH interviewed	Response rate	HHs attempted
ZAMFARA	ANKA	14	14	100.00%	140	140	140	100%	100%
ZAMFARA	BAKURA	23	23	100.00%	230	230	230	100%	100%
ZAMFARA	BIRNIN MAGAJI	26	26	100.00%	260	260	260	100%	100%
ZAMFARA	BUKKUYUM	22	22	100.00%	220	220	219	100%	100%
ZAMFARA	BUNGUDU	38	38	100.00%	380	380	379	100%	100%
ZAMFARA	GUMMI	40	40	100.00%	400	400	400	100%	100%
ZAMFARA	GUSAU	22	22	100.00%	220	220	218	99%	100%
ZAMFARA	KAURA NAMODA	40	40	100.00%	400	400	400	100%	100%
ZAMFARA	MARADUN	22	22	100.00%	220	220	220	100%	100%
ZAMFARA	MARU	7	7	100.00%	70	70	70	100%	100%
ZAMFARA	SHINKAFI	17	17	100.00%	170	170	167	98%	100%
ZAMFARA	TALATA MAFARA	34	34	100.00%	340	340	340	100%	100%
ZAMFARA	TSAFE	34	34	100.00%	340	339	339	100%	100%
ZAMFARA	ZURMI	40	40	100.00%	398	398	398	100%	100%
TOTAL		379	379	100.00%	3788	3787	3780	100%	100%

Appendix 2 [Household Demographic Characteristics and Activities]

Zone/State level		Total number of agricultural holdings in the household sector	Legal status of the holding						
			Holding of natural (civil) person (Not registered)	Limited Liability Company (LLC)	Sole Proprietor - Registered	Partnership - Registered (Two or more households)	Partnership - Not Registered (Two or more households)	Other registered	Other un-registered
			Number of holdings ('000)						
North Central	Benue	1,833.18	1,767.71	2.26	58.77	1.14	2.64	0	0.67
North Central	Fct	567.24	521.27	25.58	7.88	1.56	8.6	1.49	0.87
North Central	Kogi	900.59	640.49	2.04	251.83	0.5	3.17	0.91	1.65
North Central	Kwara	787.92	781.05	0.23	0.63	0.31	1.92	1.66	2.12
North Central	Nasarawa	778.07	771.31	0.28	0.02	0.82	5.65	0	0
North Central	Niger	1,450.12	1,422.12	1.12	19.99	0.72	4.7	0	1.48
North Central	Plateau	1,437.97	1,249.13	13.54	60.55	2.28	10.07	3.98	98.41
North Central	Zone total	7,755.09	7,153.07	45.05	399.65	7.34	36.75	8.04	105.2
North East	Adamawa	1,184.62	1,170.64	1.79	6.77	0	3.12	0	2.29
North East	Bauchi	1,942.25	1,822.39	4.99	78.67	17.23	18.13	0.65	0.19
North East	Borno	1,045.44	1,041.60	1.93	1.18	0	0.53	0.2	0
North East	Gombe	532.53	527.62	0.42	0.19	0	4.31	0	0
North East	Taraba	977.3	969.5	1.64	3.52	1.1	1.14	0	0.39
North East	Yobe	763.25	727.18	0.99	21.76	2.55	10.76	0	0
North East	Zone total	6,445.39	6,258.93	11.77	112.09	20.89	37.99	0.85	2.87
North West	Jigawa	1,187.32	1,093.28	25.22	0.21	3.88	64.74	0	0
North West	Kaduna	1,996.61	1,841.83	30.47	52.61	10.83	47.65	1.75	11.47
North West	Kano	2,368.95	2,077.01	100.5	72.16	38.3	24.74	3.27	52.96
North West	Katsina	1,494.96	1,485.30	1.82	3.13	0.65	4.06	0	0
North West	Kebbi	1,175.38	1,097.72	56.27	15.25	1.13	2.96	0.77	1.28
North West	Sokoto	1,250.62	1,230.45	1.27	12.04	2.22	1.79	0	2.85
North West	Zamfara	887.33	815.68	0.76	68.74	0.1	1.73	0	0.31
North West	Zone total	10,361.16	9,641.26	216.32	224.14	57.12	147.67	5.79	68.87
South East	Abia	911.26	906.33	1	1.22	0	0.82	1.88	0
South East	Anambra	1,072.20	1,021.40	1.89	37.2	0.72	1.77	2.15	7.08
South East	Ebonyi	886.9	847.48	37.02	0.74	0.27	1.38	0	0
South East	Enugu	909.29	793.08	0.77	86.23	0	1.1	0.62	27.49
South East	Imo	1,191.77	1,118.16	1.72	60.87	1.75	6.31	0.2	2.77
South East	Zone total	4,971.42	4,686.45	42.4	186.26	2.74	11.38	4.86	37.33
South South	Akwa Ibom	1,278.74	1,225.34	0.43	42.94	0.34	6.61	0.28	2.8

Table 1A: Legal status of the holding, by Zone/State level, Agricultural Year 2022/2023.									
Zone/State level		Total number of agricultural holdings in the household sector	Legal status of the holding						
			Holding of natural (civil) person (Not registered)	Limited Liability Company (LLC)	Sole Proprietor - Registered	Partnership - Registered (Two or more households)	Partnership - Not Registered (Two or more households)	Other registered	Other un-registered
		Number of holdings ('000)							
South South	Bayelsa	334.64	330.23	0.4	0.41	0.46	1.92	0.07	1.15
South South	Cross River	805.52	793.03	0.31	2.33	0.87	4.44	1.78	2.77
South South	Delta	949.8	941.41	3.48	0.52	0.26	3.59	0.28	0.27
South South	Edo	602.92	587.76	0.84	5.27	0.52	2	0.44	6.1
South South	Rivers	1,321.47	1,270.78	7.98	15.82	3.63	7.19	0	16.07
South South	Zone total	5,293.09	5,148.54	13.44	67.28	6.08	25.75	2.84	29.15
South West	Ekiti	477.57	475.23	1.09	0.84	0	0.41	0	0
South West	Lagos	764.68	561.85	0.72	140.07	1.18	2.2	0	58.67
South West	Ogun	1,181.33	1,150.53	2.48	5.23	1.05	6.42	0.36	15.26
South West	Ondo	753.96	748.95	0.9	2.52	0.2	1.2	0.2	0
South West	Osun	912.68	899.19	0.92	7.39	1.15	4.03	0	0
South West	Oyo	1,304.69	1,223.91	2.05	31.27	1.46	6.62	0	39.38
South West	Zone total	5,394.91	5,059.65	8.17	187.31	5.04	20.87	0.56	113.3
Nigeria	Total	40,221.06	37,947.91	337.15	1,176.73	99.2	280.41	22.94	356.72

Table 2: Agricultural holdings in the household sector by main production activity and main purpose of the holding production, by Zone/State level, Agricultural Year 2022/2023.

Zone/State Level		Total number of agricultural holdings in the household sector	Main production activity						Main Purpose of production			
			Crop production	Livestock (excluding poultry) production	Poultry production	Fishery production	Forestry (non wood) production	Forestry (wood) production	Only for sale	Mainly for sale with some self consumption	Mainly for self consumption with some sale	Only for self consumption
North Central	Benue	1,833.18	1,794.01	23.27	11.67	0.53	0.46	3.25	42.31	964.45	108.94	717.47
North Central	Fct	567.24	413.88	70.35	80.01	2.86	0	0.15	39.19	224.81	123.85	179.4
North Central	Kogi	900.59	837.32	50.23	10.95	1.79	0	0.3	18.11	473.34	83.89	325.24
North Central	Kwara	787.92	577.65	138.82	63.99	6.86	0.57	0.04	35.51	513.99	125.6	112.82
North Central	Nasarawa	778.07	684.17	78.55	13	1.59	0.4	0.37	12.88	378.24	125.09	261.87
North Central	Niger	1,450.12	1,353.97	70.87	21.6	3.52	0	0.16	28.36	828.35	127.75	465.66
North Central	Plateau	1,437.97	1,338.76	37.44	59.43	1.87	0.3	0.17	44.53	613.72	170.59	609.13
North Central	Zone total	7,755.09	6,999.75	469.52	260.64	19.02	1.73	4.44	220.89	3996.89	865.72	2,671.59
North East	Adamawa	1,184.62	1,143.28	34.55	5.27	1.02	0.1	0.41	32.51	245.34	178.03	728.73
North East	Bauchi	1,942.25	1,884.81	42.92	6.14	1.41	0.33	6.64	41.05	784.35	176.81	940.03
North East	Borno	1,045.44	991.96	35.47	15.65	0.2	1.76	0.40	54.95	375.13	175.6	439.77
North East	Gombe	532.53	509.22	19.66	3.66	0	0	0	9.5	134.51	67.66	320.86
North East	Taraba	977.3	935.25	34.67	4.53	2.85	0	0	15.85	624.94	56.55	279.96
North East	Yobe	763.25	718.45	41.77	2.18	0.32	0.05	0.48	17.82	181.65	97.58	466.21
North East	Zone total	6,445.39	6,182.97	209.04	37.42	5.79	2.24	7.93	171.69	2345.92	752.22	3,175.56
North West	Jigawa	1,187.32	1156.09	28.63	0.27	1.61	0.23	0.50	43.66	237.13	222.95	683.58
North West	Kaduna	1,996.61	1,868.54	78.45	47.77	0.83	0	1.01	79.01	938.45	241.71	737.43
North West	Kano	2,368.95	2,086.25	167.95	111.44	2.2	0.66	0.45	159.30	1142.6	412.02	655.03
North West	Katsina	1,494.96	1,430.00	45.33	18.39	0	0	1.25	53.88	368.14	313.85	759.09
North West	Kebbi	1,175.38	1126.87	42.79	5.48	0	0	0.25	70.6	524.96	180.2	399.63
North West	Sokoto	1,250.62	1,206.19	28.34	15.46	0.39	0	0.24	59.40	592.34	136.94	461.94
North West	Zamfara	887.33	863.23	15.49	8.6	0	0	0	28.4	330.34	67.37	461.21
North West	Zone total	10,361.16	9,737.17	406.96	207.42	5.02	0.9	3.69	494.25	4133.97	1575.04	4,157.90
South East	Abia	911.26	891.17	7.15	10.3	2.64	0	0	12.41	299.18	122.37	477.3
South East	Anambra	1,072.20	997.9	37.08	28.67	6.53	1.35	0.68	19.67	543.22	140.96	368.35

Table 2: Agricultural holdings in the household sector by main production activity and main purpose of the holding production, by Zone/State level, Agricultural Year 2022/2023.

Zone/State Level		Total number of agricultural holdings in the household sector	Main production activity						Main Purpose of production			
			Crop production	Livestock (excluding poultry) production	Poultry production	Fishery production	Forestry (non wood) production	Forestry (wood) production	Only for sale	Mainly for sale with some self consumption	Mainly for self consumption with some sale	Only for self consumption
South East	Ebonyi	886.9	880.05	3.37	1.92	0.81	0.65	0.1	11.2	194.92	125.71	555.07
South East	Enugu	909.29	873.8	21.82	12.46	0.6	0.39	0.22	39.64	338.64	146.27	384.74
South East	Imo	1,191.77	1156.44	13.46	16.96	4.53	0.39	0.00	13.62	317.45	267.11	593.59
South East	Zone total	4,971.42	4,799.35	82.88	70.31	15.1	2.78	1.01	96.54	1693.41	802.41	2,379.06
South South	Akwa Ibom	1,278.74	1,201.85	30.05	23.09	22.87	0.43	0.45	35.61	593.72	103.41	546.00
South South	Bayelsa	334.64	266.81	1.25	2.47	61.3	2.8	0	5.11	191.46	43.07	95
South South	Cross River	805.52	765.21	13.78	20.18	5.14	0.85	0.38	25.02	510.34	34.15	236.02
South South	Delta	949.8	834.38	24.7	37.1	51.86	0.61	1.16	18.03	689.26	52.86	189.66
South South	Edo	602.92	560.61	12.63	23.11	2.73	1.17	2.66	32.16	391.25	66.59	112.93
South South	Rivers	1,321.47	897.57	47.27	120.12	256.05	0.11	0.36	84.61	815.93	89.86	331.06
South South	Zone total	5,293.09	4,526.43	129.69	226.06	399.95	5.96	5.01	200.54	3191.96	389.93	1,510.66
South West	Ekiti	477.57	443.93	23.6	7.76	1.18	1.11	0	14.87	275.25	71.19	116.26
South West	Lagos	764.68	276.92	201.03	208.91	76.67	0.89	0.27	63.05	375.42	182.76	143.45
South West	Ogun	1,181.33	819.74	161.05	184.55	15.14	0.67	0.18	47.62	608.55	339.4	185.76
South West	Ondo	753.96	646.88	20.09	37.86	48.62	0	0.51	15.66	460.18	98.08	180.05
South West	Osun	912.68	741.95	103	62.49	4.28	0.95	0	42.99	684.2	95.67	89.82
South West	Oyo	1,304.69	855.65	281.13	150.85	16.82	0.25	0.00	32.39	858.41	180.87	233.03
South West	Zone total	5,394.91	3,785.07	789.89	652.42	162.72	3.86	0.96	216.57	3262	967.97	948.36
Nigeria	Total	40,221.06	36,030.73	2,087.97	1,454.26	607.6	17.45	23.04	1,400.48	18624.16	5353.29	14,843.12

Table 3: Educational background of households' heads, by sex and Zone level, 2023.									
		Household member has attended school?		Highest level of education attained					
		Yes	No	Nursery/Pre-School	Primary	Secondary	Post Secondary	Adult Informal Education	None
		Number of persons ('000)							
North Central	Male	4,899.04	2,049.45	25.58	943.91	2,342.53	1,442.54	102.66	41.81
	Female	451.78	361.27	(S)	147.47	178.88	104.85	(S)	(S)
	Total	5,350.82	2,410.72	31.67	1,091.38	2,521.41	1,547.39	112.75	46.22
North East	Male	3,493.93	2,527.21	13.89	608.19	1,634.41	805.68	302.82	128.95
	Female	206.05	230.11	(S)	54.56	102.62	34.91	10.64	(S)
	Total	3,699.98	2,757.32	15.14	662.75	1,737.03	840.59	313.46	131.02
North West	Male	6,193.76	3,854.04	81.07	1528.64	2,697.49	1,273.88	386.41	226.27
	Female	182.97	152.03	(S)	49.58	66.93	34.28	17.56	(S)
	Total	6,376.73	4,006.07	85.98	1,578.22	2,764.42	1,308.16	403.97	235.97
South East	Male	3,167.61	336.26	28.95	998.72	1,609.14	504.23	14.07	12.5
	Female	1047.73	423.16	18.13	402.59	474.6	134.78	(S)	(S)
	Total	4,215.34	759.42	47.08	1,401.31	2,083.74	639.01	24.2	20
South South	Male	3,677.50	272.08	19.28	648.68	1,935.77	1,019.96	47.5	(S)
	Female	1045.83	300.16	16.42	385.73	460.4	161.37	13.46	(S)
	Total	4,723.33	572.24	35.7	1,034.41	2,396.17	1,181.33	60.96	14.76
South West	Male	4,001.74	460.38	15.48	747.73	1,943.29	1,225.14	61.22	8.88
	Female	668.81	265.57	(S)	208.92	289.63	152.56	(S)	(S)
	Total	4,670.55	725.95	20.11	956.65	2,232.92	1,377.70	70.92	12.25
Nigeria	Male	25,433.58	9,499.42	184.25	5475.87	12,162.63	6,271.43	914.68	424.72
	Female	3603.17	1732.29	51.44	1248.84	1573.05	622.74	71.58	35.51
	Total	29,036.75	11,231.71	235.69	6,724.71	13,735.68	6,894.17	986.26	460.23

Appendix 3 [Plot]

Table 1: Number of plots and relative tenure modality, by Zone/State level, major season, Agricultural Year 2022/2023.								
Zone	State	Number of agricultural households reporting plots in major season	Total number of plots (1)	Tenure modality of the plot				
				Owned by a member of the HH	Rented from somebody else (out of the HH)	Family land used for free (not owned by a member of the HH)	Community land used for free (not owned by a member of the HH)	Other land used for free (not owned by a member of the HH)
North Central	Benue	1,815,733.00	6,093,419.00	5228204	690762	127129	22427	16543
North Central	Fct	442128	686955	403647	171218	37652	51852	18317
North Central	Kogi	859195	1490717	1178382	112731	33390	92718	61635
North Central	Kwara	632479	1166950	898495	89173	51931	95377	29569
North Central	Nasarawa	755970	1340353	1006818	148168	110638	59184	13798
North Central	Niger	1,385,423.00	2,827,422.00	2424997	202682	105430	79040	13830
North Central	Plateau	1,366,104.00	2,375,093.00	2160450	147762	32552	15417	18231
North Central	Zone total	7,257,033.00	15,980,909.00	13300992	1562495	498722	416014	171924
North East	Adamawa	1,167,373.00	2,081,424.00	1441533	322017	110234	185504	16044
North East	Bauchi	1,935,965.00	3,978,971.00	3690724	179128	58076	22546	26741
North East	Borno	979,874.00	1,550,600.00	1071703	379116	50524	30085	19171
North East	Gombe	516072	912032	815533	79032	7929	8103	1436
North East	Taraba	944726	2249782	2026449	162471	57227	1528	1770
North East	Yobe	736577	1533406	1334145	126746	52169	9663	9380
North East	Zone total	6,280,586.00	12,306,215.00	10380087	1248510	336161	257430	74542
North West	Jigawa	1,166,736.00	2,696,970.00	2574642	66373	47114	2770	3379
North West	Kaduna	1,906,699.00	5,279,337.00	4489698	578077	151273	21636	30399
North West	Kano	2,160,132.00	4,493,682.00	4040636	239692	186010	11256	14176
North West	Katsina	1,443,625.00	2,230,918.00	2136987	56165	17864	2987	12794
North West	Kebbi	1,123,502.00	2,143,594.00	1994284	68725	64657	6090	9651
North West	Sokoto	1,208,699.00	2,386,356.00	2328043	23302	18760	7127	1982
North West	Zamfara	862193	1875384	1796783	46660	20750	2599	4722
North West	Zone total	9,871,587.00	21,106,242.00	19361072	1078994	506428	54464	77102
South East	Abia	889659	2014469	1373428	448126	52498	110373	26299
South East	Anambra	1,018,901.00	1,725,384.00	1318194	199927	98680	56298	43931
South East	Ebonyi	885303	1852401	1393277	268890	143110	42828	3752
South East	Enugu	895868	1799461	1532084	118672	71431	51706	25083
South East	Imo	1,180,492.00	2,889,995.00	2369118	181729	270576	54617	11286
South East	Zone total	4,870,223.00	10,281,710.00	7986101	1217345	636295	315821	110352
South South	Akwa Ibom	1,260,456.00	2,991,434.00	2560879	287651	93938	20684	27090
South South	Bayelsa	151494	377018	219730	85712	44433	12959	7332

Table 1: Number of plots and relative tenure modality, by Zone/State level, major season, Agricultural Year 2022/2023.								
Zone	State	Number of agricultural households reporting plots in major season	Total number of plots (1)	Tenure modality of the plot				
				Owned by a member of the HH	Rented from somebody else (out of the HH)	Family land used for free (not owned by a member of the HH)	Community land used for free (not owned by a member of the HH)	Other land used for free (not owned by a member of HH)
South South	Cross River	773744	1700785	1305836	256674	89452	41027	6961
South South	Delta	833494	1809975	1057969	579738	113510	51011	7353
South South	Edo	557645	799440	554771	143346	28939	39043	25945
South South	Rivers	978,231.00	1,663,284.00	1090515	352092	148788	48193	23321
South South	Zone total	4,555,063.00	9,341,935.00	6789699	1705213	519061	212918	98001
South West	Ekiti	453432	713646	458175	124679	71127	13757	42769
South West	Lagos	352205	387328	264018	64130	26701	14898	16805
South West	Ogun	937,716.00	1,250,001.00	828228	210749	104853	20071	37871
South West	Ondo	668399	1254691	1059307	97294	41364	12175	42610
South West	Osun	767328	1664100	1251737	241172	90647	25943	30574
South West	Oyo	941,908.00	2,177,987.00	1399434	291312	284281	143835	47888
South West	Zone total	4,120,986.00	7,447,753.00	5260899	1029335	618973	230679	218517
Nigeria	Total	36,955,479.00	76,464,765.00	63078851	7,841,892.00	3115639	1487326	750438

Table 2A: Transportation mode and time needed to reach the plot from dwelling, by Zone/State leve, major season, Agricultural Year 2022/2023													
Zone	State	Total number of plots (1)	On dwelling	Mode of transportation to plot									
				Foot					Bicycle				
				Time needed to reach the plot with this mode of transportation					Time needed to reach the plot with this mode of transportation				
				LESS THAN 30 MINUTES	30 MINUTES-1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS	LESS THAN 30 MINUTES	30 MINUTES-1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS
Number of plots													
North Central	Benue	6,093,419.00	2,375.00	1721444	759352	442055	53367	1842	13488	73,363.00	130,732.00	450	0
North Central	Fct	686955	622	154165	29402	6267	2200	709	(S)	(S)	(S)	(S)	(S)
North Central	Kogi	1490717	9354	222370	121369	65670	10008	2458	3770	4476	886	2525	0
North Central	Kwara	1166950	1703	342587	28095	7009	2366	203	20438	16588	1082	0	748
North Central	Nasarawa	1340353	4172	400503	92381	20515	2829	18	4683	38645	4765	128	0
North Central	Niger	2,827,422.00	6,339.00	468355	172007	94343	3626	0	21330	14,748.00	5,403.00	51	0
North Central	Plateau	2,375,093.00	236.00	1169178	190045	32331	1761	963	43670	49,110.00	16,689.00	224	0
North Central	Zone total	15,980,909.00	24,801.00	4478602	1392651	668189	76157	6193	109456	199,868.00	160,262.00	3379	748
North East	Adamawa	2,081,424.00	2,492.00	712684	306422	37721	2114	576	60312	98,914.00	12,854.00	747	935
North East	Bauchi	3,978,971.00	1,362.00	1416489	246758	26693	3516	191	74133	85,756.00	65,401.00	581	194
North East	Borno	1,550,600.00	1,063.00	81724	88440	79692	11361	0	76142	364,442.00	95,629.00	13908	2126
North East	Gombe	912032	0	315487	112403	17802	832	0	23234	36978	1860	236	0
North East	Taraba	2249782	1132	451111	168433	15550	1596	752	72741	16679	4070	2527	1055
North East	Yobe	1533406	16926	439187	269993	23555	1002	0	46207	156046	30752	1726	0
North East	Zone total	12,306,215.00	22,975.00	3416681	1192448	201014	20421	1519	352770	758,814.00	210,567.00	19725	4311
North West	Jigawa	2,696,970.00	39,978.00	1217003	266978	63378	5788	0	49874	50,382.00	22,339.00	0	0
North West	Kaduna	5,279,337.00	2,043.00	2623803	375469	64165	8405	0	41957	47,718.00	4,638.00	0	0
North West	Kano	4,493,682.00	8,994.00	1374533	300971	26484	961	720	263998	233,528.00	15,169.00	731	391
North West	Katsina	2,230,918.00	672.00	1093699	150214	1298	684	337	112910	68,243.00	550.00	0	906
North West	Kebbi	2,143,594.00	21,149.00	655094	219662	38912	3614	911	85235	83,180.00	5,068.00	611	259
North West	Sokoto	2,386,356.00	4,179.00	1137117	294596	8430	0	1908	142726	157,406.00	2,865.00	0	0
North West	Zamfara	1875384	9478	403085	162007	11719	1397	190	110252	92467	3879	67	134
North West	Zone total	21,106,242.00	86,493.00	8504334	1769897	214386	20849	4065	806952	732,924.00	54,508.00	1408	1689
South East	Abia	2014469	0	456289	165379	136982	19014	0	20389	43410	38601	17015	0
South East	Anambra	1,725,384.00	2,035.00	859562	122366	4479	1388	553	14383	37,720.00	718.00	0	0
South East	Ebonyi	1852401	487	686385	376889	56202	15092	2431	9205	27900	4094	685	475
South East	Enugu	1799461	188	616845	260096	49839	57438	30119	23888	30776	3965	1814	1232
South East	Imo	2,889,995.00	1,667.00	1126502	192379	13782	0	223	159437	111,575.00	4,540.00	0	0
South East	Zone total	10,281,710.00	4,377.00	3745583	1117109	261285	92931	33327	227302	251,382.00	51,918.00	19514	1706
South South	Akwa Ibom	2,991,434.00	10,261.00	1127959	257698	98719	9973	658	46280	34,580.00	11,501.00	385	0
South South	Bayelsa	377018	103962	103589	47209	23315	9029	42	3738	4429	774	0	0
South South	Cross River	1700785	2130	256671	293147	180199	103384	12733	(S)	(S)	(S)	(S)	(S)
South South	Delta	1809975	71094	260508	156205	48022	14701	2599	10297	53688	11435	2284	0
South South	Edo	799440	3739	110968	49855	34071	6414	332	3494	8530	2938	0	196
South South	Rivers	1,663,284.00	11,594.00	432890	102312	48652	8965	4690	46318	125,155.00	20,582.00	2652	0

Table 2A: Transportation mode and time needed to reach the plot from dwelling, by Zone/State level, major season, Agricultural Year 2022/2023													
Zone	State	Total number of plots (1)	On dwelling	Mode of transportation to plot									
				Foot					Bicycle				
				Time needed to reach the plot with this mode of transportation					Time needed to reach the plot with this mode of transportation				
				LESS THAN 30 MINUTES	30 MINUTES-1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS	LESS THAN 30 MINUTES	30 MINUTES-1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS
Number of plots													
South South	Zone total	9,341,935.00	202,780.00	2292585	906427	432977	152467	21055	111395	227,491.00	47,555.00	5703	993
South West	Ekiti	713646	315	122222	55293	28150	4585	0	8357	7058	3899	0	480
South West	Lagos	387328	519	156787	2060	4214	0	1214	(S)	(S)	(S)	(S)	(S)
South West	Ogun	1,250,001.00	1,950.00	448348	38549	11498	829	200	8729	10,669.00	2,780.00	265	0
South West	Ondo	1254691	1776	153973	56323	32952	8921	0	44206	19046	585	1010	0
South West	Osun	1664100	467	349140	30470	21949	744	316	9015	10702	395	0	0
South West	Oyo	2,177,987.00	0.00	370699	37614	19038	5833	0	9164	4,373.00	1,844.00	919	265
South West	Zone total	7,447,753.00	5,027.00	1601170	220308	117801	20913	1729	80887	53,505.00	9,772.00	2194	744
Nigeria	Total	76,464,765.00	346,453.00	24038955	6,598,840.00	1895651	383,737.00	67888	1688762	2,223,984.00	534,582.00	51922	10,191.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) Totals may not add due to rounding

Table 2B: Transportation mode and time needed to reach the plot from dwelling, by Zone/State level, major season, Agricultural Year 2022/2023. Contd.

Zone	State	Total number of plots (1)	Mode of transportation to plot										Other
			Motor vehicle					Motor cycle/tricycle					
			Time needed to reach the plot with this mode of transportation					Time needed to reach the plot with this mode of transportation					
			LESS THAN 30 MINUTES	30 MINUTES- 1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS	LESS THAN 30 MINUTES	30 MINUTES- 1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS	
Number of plots													
North Central	Benue	6,093,419.00	11,612.00	115859	494837	218702	56159	84206	496046	1,098,099.00	101,820.00	4423	213191
North Central	Fct	686955	3175	21083	43384	29673	61348	89637	122954	80328	7625	2390	26271
North Central	Kogi	1490717	15978	98867	96731	22801	10336	159260	321016	266902	46394	3231	6317
North Central	Kwara	1166950	20635	49047	125318	75434	45617	217813	129379	43290	13759	6447	19393
North Central	Nasarawa	1340353	52358	50736	56754	15903	6058	230734	202845	113843	31726	3748	7008
North Central	Niger	2,827,422.00	69,628.00	169804	122669	22693	12012	342770	674099	530,408.00	75,475.00	6975	14685
North Central	Plateau	2,375,093.00	51,450.00	134319	95673	49878	28064	102908	215136	134,183.00	21,347.00	5665	32263
North Central	Zone total	15,980,909.00	224,837.00	639714	1035366	435084	219595	1227329	2161475	2,267,052.00	298,146.00	32879	319127
North East	Adamawa	2,081,424.00	74,370.00	136354	63050	26415	27641	150110	212372	97,792.00	23,646.00	22815	11086
North East	Bauchi	3,978,971.00	228,970.00	325179	207555	43048	6362	404042	421382	312,058.00	58,198.00	11746	39357
North East	Borno	1,550,600.00	13,391.00	98466	304595	82932	21535	12828	75906	86,458.00	30,264.00	6073	3624
North East	Gombe	912032	42566	79260	41277	7753	3248	90938	75576	44510	12125	2790	3160
North East	Taraba	2249782	55324	188996	104126	67475	47356	276976	395345	182396	105279	79374	11489
North East	Yobe	1533406	13940	79864	106755	19327	8182	40165	143055	108162	20399	5751	2412
North East	Zone total	12,306,215.00	428,560.00	908119	827359	246950	114324	975058	1323637	831,376.00	249,910.00	128549	71128
North West	Jigawa	2,696,970.00	144,543.00	129242	85357	11619	0	206313	250409	94,909.00	40,754.00	4762	13339
North West	Kaduna	5,279,337.00	172,604.00	419790	207877	39239	20956	363800	594494	213,661.00	28,456.00	909	49354
North West	Kano	4,493,682.00	222,974.00	325948	399855	113547	19721	437840	395996	218,475.00	84,062.00	7484	41301
North West	Katsina	2,230,918.00	149,843.00	58472	16725	2430	2475	263964	234343	25,679.00	488.00	9322	37666
North West	Kebbi	2,143,594.00	172,444.00	99323	92306	36565	8584	155432	187408	209,632.00	55,857.00	7903	4444
North West	Sokoto	2,386,356.00	116,098.00	173328	43211	9239	0	115394	139188	37,763.00	2,206.00	264	437
North West	Zamfara	1875384	97377	119502	34745	9010	593	387282	341086	79993	10690	432	0
North West	Zone total	21,106,242.00	1,075,884.00	1325606	880076	221649	52329	1930026	2142924	880,113.00	222,513.00	31077	146541
South East	Abia	2014469	20090	63817	97942	28307	5242	138008	321664	257309	39222	4338	141450

Table 2B: Transportation mode and time needed to reach the plot from dwelling, by Zone/State level, major season, Agricultural Year 2022/2023. Contd.

Zone	State	Total number of plots (1)	Mode of transportation to plot										Other
			Motor vehicle					Motor cycle/tricycle					
			Time needed to reach the plot with this mode of transportation					Time needed to reach the plot with this mode of transportation					
			LESS THAN 30 MINUTES	30 MINUTES- 1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS	LESS THAN 30 MINUTES	30 MINUTES- 1 HOUR	1-2 HOURS	2-3 HOURS	MORE THAN 3 HOURS	
Number of plots													
South East	Anambra	1,725,384.00	34,890.00	127577	37843	19589	5761	126143	212253	31,255.00	13,106.00	513	73247
South East	Ebonyi	1852401	12320	44196	10795	5793	99	55706	200369	110467	33134	2501	197179
South East	Enugu	1799461	11331	43243	22208	9696	713	105798	280255	79462	29590	13491	127475
South East	Imo	2,889,995.00	20,596.00	105631	65301	18081	1493	123953	449820	394,068.00	21,756.00	2774	76414
South East	Zone total	10,281,710.00	99,227.00	384465	234089	81467	13309	549608	1464362	872,561.00	136,807.00	23617	615764
South South	Akwa Ibom	2,991,434.00	24,805.00	88250	93062	111014	10177	130874	393696	225,751.00	55,312.00	2376	258102
South South	Bayelsa	377018	1895	11395	7616	921	221	16150	20481	10517	2548	0	9188
South South	Cross River	1700785	7391	27891	31196	21539	19352	64046	212211	313919	110809	23777	16509
South South	Delta	1809975	29853	169479	55774	28003	19446	102443	429862	231522	94621	1884	16254
South South	Edo	799440	13381	102432	81939	45580	10724	25867	142708	111913	14934	5264	24162
South South	Rivers	1,663,284.00	28,317.00	74316	44295	14421	35468	143957	274160	129,284.00	31,482.00	14608	69166
South South	Zone total	9,341,935.00	105,642.00	473763	313883	221477	95388	483337	1473119	1,022,906.00	309,705.00	47909	393381
South West	Ekiti	713646	8360	17001	65540	5287	2601	24881	175369	150249	24279	7879	1841
South West	Lagos	387328	5787	19166	33406	14454	22248	7394	6893	3196	2363	1547	102738
South West	Ogun	1,250,001.00	7,113.00	39191	54550	32332	17700	45927	122584	115,439.00	62,239.00	3713	225395
South West	Ondo	1254691	13090	52143	97413	57273	20384	74428	187153	264135	130165	20074	19642
South West	Osun	1664100	26456	75028	74899	39974	42774	303786	366906	199749	49816	26254	35259
South West	Oyo	2,177,987.00	25,403.00	56180	160480	82795	39979	249429	411922	437,600.00	169,255.00	22199	72997
South West	Zone total	7,447,753.00	86,210.00	258709	486289	232114	145685	705845	1270828	1,170,369.00	438,116.00	81666	457872
Nigeria	Total	76,464,765.00	2,020,360.00	3990375	3,777,061.00	1438742	640,630.00	5871202	9836346	7,044,377.00	1,655,198.00	345697	2,003,813.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) Totals may not add due to rounding

Table 3A: Irrigation on plots, by Zone/State level, major season, Agricultural Year 2022/2023

Zone	State	Total number of plots (1)	Irrigation infrastructure used on the plot		Main irrigation method used on the plot								
			Yes	No	Surface irrigation (flooding, furrows)	Sprinkler irrigation	Drip irrigation	Spray or microsprinkler irrigation	Bubbler irrigation	Equipped wetland and inland valley bottoms	Equipped flood recession cultivation	Spate irrigation	Other
			Number of plots										
North Central	Benue	6,093,419.00	17,583.00	6075837	9136	4730	0	511	409	0.00	0.00	0	2797
North Central	Fct	686955	54373	632582	17744	24160	7697	3392	89	949	342	0	0
North Central	Kogi	1490717	65554	1425163	54418	9358	427	294	226	831	0	0	0
North Central	Kwara	1166950	37945	1129005	14430	10513	4711	6719	185	0	0	0	1386
North Central	Nasarawa	1340353	19611	1320742	15317	3843	225	0	0	185	0	0	41
North Central	Niger	2,827,422.00	35,578.00	2791844	24943	1891	4318	2281	256	768.00	0.00	0	1122
North Central	Plateau	2,375,093.00	62,200.00	2312894	49300	3454	2970	972	419	422.00	217.00	0	4445
North Central	Zone total	15,980,909.00	292,843.00	15688067	185288	57948	20349	14168	1585	3,155.00	559.00	0	9790
North East	Adamawa	2,081,424.00	166,010.00	1915414	162662	2318	0	0	241	0.00	789.00	0	0
North East	Bauchi	3,978,971.00	201,743.00	3777229	171418	22113	4275	2608	266	409.00	475.00	0	177
North East	Borno	1,550,600.00	21,888.00	1528711	19706	305	0	964	0	914.00	0.00	0	0
North East	Gombe	912032	33327	878705	30893	1303	118	0	798	0	215	0	0
North East	Taraba	2249782	19757	2230025	19139	287	110	71	0	149	0	0	0
North East	Yobe	1533406	30653	1502753	30204	237	212	0	0	0	0	0	0
North East	Zone total	12,306,215.00	473,378.00	11832837	434023	26564	4716	3643	1305	1,472.00	1,479.00	0	177
North West	Jigawa	2,696,970.00	266,277.00	2430693	217891	2319	29324	196	0	14,316.00	392.00	0	1839
North West	Kaduna	5,279,337.00	268,525.00	5010812	191861	34406	12570	1570	187	8,974.00	12,158.00	0	6800
North West	Kano	4,493,682.00	413,896.00	4079785	333883	40410	29091	1639	1525	1,092.00	852.00	201	5203
North West	Katsina	2,230,918.00	16,597.00	2214321	14324	470	1185	431	0	187.00	0.00	0	0
North West	Kebbi	2,143,594.00	355,658.00	1787936	285603	3615	29102	546	248	8,294.00	21,185.00	681	6383
North West	Sokoto	2,386,356.00	263,208.00	2123148	223888	13605	4734	894	0	0.00	0.00	1880	18207
North West	Zamfara	1875384	32908	1842476	25150	6886	616	255	0	0	0	0	0
North West	Zone total	21,106,242.00	1,617,069.00	19489173	1292600	101711	106623	5531	1960	32,863.00	34,587.00	2762	38432
South East	Abia	2014469	8824	2005644	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	1,725,384.00	63,726.00	1661658	37623	16920	0	2567	0	6,616.00	0.00	0	0
South East	Ebonyi	1852401	10405	1841996	4142	5777	0	486	0	0	0	0	0

Table 3A: Irrigation on plots, by Zone/State level, major season, Agricultural Year 2022/2023													
Zone	State	Total number of plots (1)	Irrigation infrastructure used on the plot		Main irrigation method used on the plot								
			Yes	No	Surface irrigation (flooding, furrows)	Sprinkler irrigation	Drip irrigation	Spray or microsprinkler irrigation	Bubbler irrigation	Equipped wetland and inland valley bottoms	Equipped flood recession cultivation	Spate irrigation	Other
			Number of plots										
South East	Enugu	1799461	15656	1783805	497	11360	0	3538	0	0	0	0	262
South East	Imo	2,889,995.00	18,223.00	2871772	7137	9899	0	547	0	433.00	0.00	0	206
South East	Zone total	10,281,710.00	116,834.00	10164876	53251	44638	0	11428	0	7,049.00	0.00	0	468
South South	Akwa Ibom	2,991,434.00	57,395.00	2934038	19744	16221	2854	16416	0	0.00	0.00	0	2160
South South	Bayelsa	377018	31492	345526	30611	398	0	483	0	0	0	0	0
South South	Cross River	1700785	12006	1688779	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Delta	1809975	9650	1800326	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Edo	799440	3533	795907	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Rivers	1,663,284.00	51,755.00	1611528	10161	36588	1469	2862	0	170.00	225.00	0	280
South South	Zone total	9,341,935.00	165,831.00	9176104	73377	60987	4629	21152	0	1,509.00	439.00	0	3737
South West	Ekiti	713646	19706	693940	6645	2362	0	9851	0	0	0	0	848
South West	Lagos	387328	89545	297783	32766	42023	2973	1527	5090	839	0	249	4079
South West	Ogun	1,250,001.00	45,084.00	1204917	22462	10073	8773	1805	0	124.00	0.00	154	1693
South West	Ondo	1254691	14230	1240462	8674	3216	364	193	1287	0	495	0	0
South West	Osun	1664100	82390	1581710	63668	9003	1989	6699	311	230	214	276	0
South West	Oyo	2,177,987.00	60,164.00	2117823	18081	20185	1194	15393	494	0.00	247.00	0	4570
South West	Zone total	7,447,753.00	311,119.00	7136634	152296	86863	15293	35468	7181	1,192.00	956.00	679	11190
Nigeria	Total	76,464,765.00	2,977,074.00	73487690	2,190,835.00	378711	151,609.00	91390	12031	47,241.00	38,020.00	3441	63,795.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) Totals may not add due to rounding

Table 3B: Irrigation on plots, by Zone/State level, major season, Agricultural Year 2022/2023 Contd.

Zone	State	Total number of plots (1)	Irrigation infrastructure used on the plot		Source of irrigation water							Greenhouse or high shelter	
			Yes	No	On-farm ground water	On-farm surface water	Off-farm surface water (lakes, rivers, watercourses)	Municipal water supply or other water network	Treated waste water	Reservoir (used to avoid flooding)	Other	Yes	No
			Number of plots										
North Central	Benue	6,093,419.00	17,583.00	6075837	406	1167	13969	171	0	0.00	1,869.00	5531	6087888
North Central	Fct	686955	54373	632582	5221	10195	18668	14612	0	5536	140	3104	683851
North Central	Kogi	1490717	65554	1425163	24651	19457	15598	225	5623	0	0	70690	1420027
North Central	Kwara	1166950	37945	1129005	15251	3679	15452	3419	0	143	0	47319	1119631
North Central	Nasarawa	1340353	19611	1320742	5936	12117	1426	0	91	0	41	3769	1336584
North Central	Niger	2,827,422.00	35,578.00	2791844	12073	6027	17006	471	0	0.00	0.00	8105	2819316
North Central	Plateau	2,375,093.00	62,200.00	2312894	22109	14124	24051	0	0	422.00	1,495.00	12942	2362152
North Central	Zone total	15,980,909.00	292,843.00	15688067	85649	66766	106170	18899	5714	6,101.00	3,544.00	151460	15829450
North East	Adamawa	2,081,424.00	166,010.00	1915414	152986	7853	4911	260	0	0.00	0.00	1457	2079967
North East	Bauchi	3,978,971.00	201,743.00	3777229	170731	23027	6784	0	0	1,201.00	0.00	129309	3849663
North East	Borno	1,550,600.00	21,888.00	1528711	11232	9509	1148	0	0	0.00	0.00	16551	1534048
North East	Gombe	912032	33327	878705	24655	3390	4599	430	0	0	254	37298	874735
North East	Taraba	2249782	19757	2230025	10524	2114	6898	111	0	110	0	1775	2248007
North East	Yobe	1533406	30653	1502753	15254	2959	12291	149	0	0	0	1161	1532246
North East	Zone total	12,306,215.00	473,378.00	11832837	385381	48850	36631	951	0	1,311.00	254.00	187550	12118666
North West	Jigawa	2,696,970.00	266,277.00	2430693	222874	29513	10973	1369	0	0.00	1,548.00	38996	2657974
North West	Kaduna	5,279,337.00	268,525.00	5010812	60211	37692	77456	89633	0	187.00	3,346.00	20361	5258976
North West	Kano	4,493,682.00	413,896.00	4079785	209823	70385	42206	20720	4224	66,020.00	519.00	219096	4274586
North West	Katsina	2,230,918.00	16,597.00	2214321	10243	2153	4201	0	0	0.00	0.00	25650	2205268
North West	Kebbi	2,143,594.00	355,658.00	1787936	201744	37480	71114	17050	429	20,127.00	7,714.00	118665	2024929
North West	Sokoto	2,386,356.00	263,208.00	2123148	172377	74217	15519	0	179	515.00	401.00	10383	2375974
North West	Zamfara	1875384	32908	1842476	25868	4747	2293	0	0	0	0	4636	1870748
North West	Zone total	21,106,242.00	1,617,069.00	19489173	903140	256187	223763	128772	4831	86,849.00	13,528.00	437787	20668455
South East	Abia	2014469	8824	2005644	(S)	(S)	(S)	(S)	(S)	(S)	(S)	4164	2010305

Table 3B: Irrigation on plots, by Zone/State level, major season, Agricultural Year 2022/2023 Contd.

Zone	State	Total number of plots (1)	Irrigation infrastructure used on the plot		Source of irrigation water							Greenhouse or high shelter	
			Yes	No	On-farm ground water	On-farm surface water	Off-farm surface water (lakes, rivers, watercourses)	Municipal water supply or other water network	Treated waste water	Reservoir (used to avoid flooding)	Other	Yes	No
			Number of plots										
South East	Anambra	1,725,384.00	63,726.00	1661658	35215	13018	13641	1426	426	0.00	0.00	10988	1714396
South East	Ebonyi	1852401	10405	1841996	2371	7549	486	0	0	0	0	610	1851792
South East	Enugu	1799461	15656	1783805	3701	1659	6237	1184	2613	0	262	15096	1784365
South East	Imo	2,889,995.00	18,223.00	2871772	3157	7547	4114	2995	411	0.00	0.00	2445	2887550
South East	Zone total	10,281,710.00	116,834.00	10164876	48056	32212	24972	7597	3450	0.00	547.00	33302	10248407
South South	Akwa Ibom	2,991,434.00	57,395.00	2934038	9559	5308	14534	24135	314	518.00	3,028.00	1457	2989976
South South	Bayelsa	377018	31492	345526	8157	5713	16944	304	0	98	277	7640	369379
South South	Cross River	1700785	12006	1688779	(S)	(S)	(S)	(S)	(S)	(S)	(S)	13177	1687608
South South	Delta	1809975	9650	1800326	(S)	(S)	(S)	(S)	(S)	(S)	(S)	8206	1801769
South South	Edo	799440	3533	795907	(S)	(S)	(S)	(S)	(S)	(S)	(S)	17458	781982
South South	Rivers	1,663,284.00	51,755.00	1611528	6662	8668	6355	29131	0	775.00	165.00	8500	1654784
South South	Zone total	9,341,935.00	165,831.00	9176104	31084	24100	46602	56204	314	2,441.00	5,087.00	56438	9285497
South West	Ekiti	713646	19706	693940	4806	2795	10884	0	0	837	384	1351	712295
South West	Lagos	387328	89545	297783	55083	25597	2736	3199	0	2181	748	1808	385520
South West	Ogun	1,250,001.00	45,084.00	1204917	28428	8879	6624	528	0	0.00	626.00	8778	1241223
South West	Ondo	1254691	14230	1240462	6385	2445	3460	1057	0	0	882	1054	1253638
South West	Osun	1664100	82390	1581710	30035	17449	33013	972	920	0	0	18149	1645950
South West	Oyo	2,177,987.00	60,164.00	2117823	13502	18230	17718	3894	1507	2,257.00	3,056.00	50525	2127462
South West	Zone total	7,447,753.00	311,119.00	7136634	138239	75395	74435	9650	2427	5,276.00	5,697.00	81666	7366088
Nigeria	Total	76,464,765.00	2,977,074.00	73487690	1,591,549.00	503510	512,572.00	222073	16736	101,978.00	28,656.00	948202	75,516,563.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) Totals may not add due to rounding

Table 4: Plot area by plot category, by Zone/State level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural households reporting plots in major season	Total number of plots (1)	A conventional plot cultivated		A conventional plot left temporarily fallow		A kitchen garden/backyard	
				Number of plots	Total area (HA)	Number of plots	Total area (HA)	Number of plots	Total area (HA)
North Central	Benue	1,815,733	6,093,419	5,757,245	4,932,584	269,106	298,625	67,068	9,403
North Central	Fct	442,128	686,955	466,589	618,159	162,569	179,984	57,798	5,263
North Central	Kogi	859,195	1,490,717	1,439,319	1,832,938	32,932	45,295	18,466	3,416
North Central	Kwara	632,479	1,166,950	1,056,662	1,378,621	25,876	11,351	84,412	8,314
North Central	Nasarawa	755,970	1,340,353	1,321,347	1,852,557	13,962	27,154	5,043	349
North Central	Niger	1,385,423	2,827,422	2,793,983	5,374,530	18,506	25,257	14,932	6,268
North Central	Plateau	1,366,104	2,375,093	2,363,624	2,701,023	9,351	4,957	2,118	(S)
North Central	Zone total	7,257,033	15,980,909	15,198,769	18,690,413	532,302	592,622	249,838	33,939
North East	Adamawa	1,167,373	2,081,424	2,068,935	3,121,921	6,827	(S)	5,662	(S)
North East	Bauchi	1,935,965	3,978,971	3,915,236	5,675,762	61,856	100,802	1,879	(S)
North East	Borno	979,874	1,550,600	1,531,223	1,325,266	12,890	13,132	6,487	1,263
North East	Gombe	516,072	912,032	911,701	1,546,119	122	(S)	209	(S)
North East	Taraba	944,726	2,249,782	2,067,098	3,904,771	174,819	475,753	7,865	8,614
North East	Yobe	736,577	1,533,406	1,384,854	2,804,238	144,976	231,106	3,576	(S)
North East	Zone total	6,280,586	12,306,215	11,879,046	18,378,077	401,490	832,787	25,679	14,532
North West	Jigawa	1,166,736	2,696,970	2,681,964	3,494,966	13,565	14,282	1,441	(S)
North West	Kaduna	1,906,699	5,279,337	5,134,782	5,208,775	108,568	133,802	35,988	10,315
North West	Kano	2,160,132	4,493,682	4,432,388	5,844,478	42,117	71,346	19,176	5,770
North West	Katsina	1,443,625	2,230,918	2,168,611	1,750,832	59,322	60,966	2,985	(S)
North West	Kebbi	1,123,502	2,143,594	2,003,278	2,343,456	116,350	99,697	23,966	9,027
North West	Sokoto	1,208,699	2,386,356	2,351,286	1,263,261	24,464	15,729	10,606	4,504
North West	Zamfara	862,193	1,875,384	1,874,241	1,112,236	972	(S)	171	(S)
North West	Zone total	9,871,587	21,106,242	20,646,549	21,018,002	365,359	396,015	94,334	32,770
South East	Abia	889,659	2,014,469	1,840,465	377,680	100,354	8,843	73,650	3,462
South East	Anambra	1,018,901	1,725,384	1,595,504	272,233	97,150	7,454	32,730	1,604
South East	Ebonyi	885,303	1,852,401	1,751,695	576,709	82,079	33,627	18,627	1,541
South East	Enugu	895,868	1,799,461	1,557,163	431,883	150,101	43,074	92,197	3,339
South East	Imo	1,180,492	2,889,995	2,237,042	379,962	557,461	65,010	95,492	4,432
South East	Zone total	4,870,223	10,281,710	8,981,868	2,038,467	987,145	158,008	312,696	14,379
South South	Akwa Ibom	1,260,456	2,991,434	2,503,947	417,679	252,678	38,044	234,809	8,525
South South	Bayelsa	151,494	377,018	345,109	138,416	17,793	2,812	14,116	358
South South	Cross River	773,744	1,700,785	1,627,495	1,944,085	64,280	32,220	9,010	(S)
South South	Delta	833,494	1,809,975	1,758,554	2,120,841	18,743	16,472	32,678	4,297
South South	Edo	557,645	799,440	667,046	1,018,826	86,646	64,584	45,749	8,190
South South	Rivers	978,231	1,663,284	1,407,920	737,102	135,494	101,525	119,870	32,137
South South	Zone total	4,555,063	9,341,935	8,310,070	6,376,950	575,634	255,656	456,232	54,487
South West	Ekiti	453,432	713,646	664,610	425,008	4,615	(S)	44,421	2,304
South West	Lagos	352,205	387,328	189,874	55,461	11,332	(S)	186,122	7,534

Table 4: Plot area by plot category, by Zone/State level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural households reporting plots in major season	Total number of plots (1)	A conventional plot cultivated		A conventional plot left temporarily fallow		A kitchen garden/backyard	
				Number of plots	Total area (HA)	Number of plots	Total area (HA)	Number of plots	Total area (HA)
South West	Ogun	937,716	1,250,001	957,065	591,002	45,959	23,596	246,977	16,663
South West	Ondo	668,399	1,254,691	1,168,965	1,077,938	40,056	16,821	45,671	2,318
South West	Osun	767,328	1,664,100	1,528,431	1,881,638	60,266	36,615	75,403	7,053
South West	Oyo	941,908	2,177,987	2,031,540	2,527,895	38,293	44,222	108,154	7,368
South West	Zone total	4,120,986	7,447,753	6,540,484	6,558,942	200,521	134,046	706,748	43,239
Nigeria	Total	36,955,479	76,464,765	71,556,786	73,060,850	3,062,451	2,369,135	1,845,528	193,346

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Appendix 4 [Crop Production Tables]

Table 1: Number of agricultural holdings in the household sector reporting crops, by Zone/State level and season, Agricultural Year 2022/2023.					
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops ('000)	Households reporting crops in the major season ('000)	Households reporting crops in the minor season ('000)
North Central	Benue	1,833.18	1,800.44	1795.51	64.05
North Central	Fct	567.24	332.25	324.99	28.91
North Central	Kogi	900.59	854.74	848.02	85.7
North Central	Kwara	787.92	584.93	576.25	36.87
North Central	Nasarawa	778.07	750.53	750.11	11.69
North Central	Niger	1,450.12	1,387.13	1374.95	67.21
North Central	Plateau	1,437.97	1,366.44	1362.24	131.65
North Central	Zone total	7,755.09	7,076.45	7032.07	426.08
North East	Adamawa	1,184.62	1,167.41	1165.57	61.42
North East	Bauchi	1,942.25	1,933.88	1930.47	184.4
North East	Borno	1,045.44	1002.28	975.8	90.89
North East	Gombe	532.53	518.23	515.86	29.26
North East	Taraba	977.3	937.37	933.19	24.8
North East	Yobe	763.25	737.51	734.42	39.09
North East	Zone total	6,445.39	6,296.68	6,255.31	429.85
North West	Jigawa	1,187.32	1177.88	1166.34	195.24
North West	Kaduna	1,996.61	1,888.25	1879.42	257.52
North West	Kano	2,368.95	2,166.03	2145.92	328.14
North West	Katsina	1,494.96	1,443.51	1430.48	77.71
North West	Kebbi	1,175.38	1142.99	1118.62	250.06
North West	Sokoto	1,250.62	1,213.67	1205.08	240.02
North West	Zamfara	887.33	868.3	861.67	36.37
North West	Zone total	10,361.16	9,900.64	9,807.52	1385.06

Table 1: Number of agricultural holdings in the household sector reporting crops, by Zone/State level and season, Agricultural Year 2022/2023.					
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops ('000)	Households reporting crops in the major season ('000)	Households reporting crops in the minor season ('000)
South East	Abia	911.26	879.99	870.04	40.22
South East	Anambra	1,072.20	1010.92	983.21	55.73
South East	Ebonyi	886.9	882.81	881.41	90.75
South East	Enugu	909.29	881.39	881.16	74.19
South East	Imo	1,191.77	1123.82	1123.09	61.44
South East	Zone total	4,971.42	4,778.93	4738.9	322.32
South South	Akwa Ibom	1,278.74	1,229.23	1222.38	233.73
South South	Bayelsa	334.64	276.14	144.65	231.03
South South	Cross River	805.52	776.1	762.78	86.67
South South	Delta	949.8	872.67	819.27	427.35
South South	Edo	602.92	514.69	492.23	97.86
South South	Rivers	1,321.47	895.41	845.76	369.47
South South	Zone total	5,293.09	4,564.23	4287.07	1446.1
South West	Ekiti	477.57	417.05	412.76	72.95
South West	Lagos	764.68	191.64	164.74	56.3
South West	Ogun	1,181.33	728.91	711.58	103.08
South West	Ondo	753.96	643.04	632.11	87.44
South West	Osun	912.68	713.24	708.81	160.81
South West	Oyo	1,304.69	874.98	849.65	261.19
South West	Zone total	5,394.91	3,568.86	3479.64	741.78
Nigeria	Total	40,221.06	36,185.78	35,600.51	4,751.20

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 2: Crop categories, in number of agricultural holdings in the household sector, by Zone/State level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Crop Category							
				Cereal Crops	Tuber/Root Crops	Leguminous Crops	Vegetable Crops	Oil Seeds Crops	Fruits and Nuts Crops	Stimulant Crops	Other Crops
				Number of households ('000)							
North Central	Benue	1,833.18	1,795.51	1379.75	1732.45	530.48	393.76	1,202.78	452.55	24.06	91.06
North Central	Fct	567.24	324.99	293.27	152.15	144.91	89.27	119.51	25.11	1.37	17.04
North Central	Kogi	900.59	848.02	689.04	718.93	273.31	249.86	186.73	220.14	1.47	13.78
North Central	Kwara	787.92	576.25	467.78	346.94	73	54.2	197.13	38.13	4	5.77
North Central	Nasarawa	778.07	750.11	638.51	341.9	221.09	153.68	316.04	9.65	0.19	5.9
North Central	Niger	1,450.12	1,374.95	1237.76	391.08	476.95	121.62	614.72	12.91	0	6.45
North Central	Plateau	1,437.97	1,362.24	1286.01	634.58	393.19	147.19	424.58	51.98	0	31.73
North Central	Zone total	7,755.09	7,032.07	5992.12	4318.03	2112.93	1,209.59	3,061.49	810.46	31.09	171.72
North East	Adamawa	1,184.62	1,165.57	1138.26	64.25	421.17	43.84	391.36	16.35	0.26	2.17
North East	Bauchi	1,942.25	1,930.47	1879.59	58.97	859.89	53.90	910.71	5.2	0	12.46
North East	Borno	1,045.44	975.8	809.88	4	578.3	80.51	452.09	1.85	0.18	11.52
North East	Gombe	532.53	515.86	497	5.31	283.91	14.14	162.56	1.19	0.21	0.19
North East	Taraba	977.3	933.19	852.63	414.6	207.16	117.74	441.94	61.92	13.97	13.41
North East	Yobe	763.25	734.42	716.3	2.26	496.39	15.12	245.35	1.69	0	4.16
North East	Zone total	6,445.39	6,255.31	5,893.66	549.39	2846.81	325.25	2,604.01	88.21	14.61	43.92
North West	Jigawa	1,187.32	1166.34	1153.2	20.89	751.27	37.01	569.48	9	0	186.74
North West	Kaduna	1,996.61	1,879.42	1833.32	301.29	680.54	192.37	737.10	15.14	3.3	293.1
North West	Kano	2,368.95	2,145.92	2084.04	158.18	825.5	329.47	900.36	27.59	4.21	40.91
North West	Katsina	1,494.96	1,430.48	1403.81	85.76	892.77	57.81	693.99	11.65	3.84	39.93
North West	Kebbi	1,175.38	1118.62	1100.46	56.24	334.55	55.33	277.32	7.72	0.55	17.02
North West	Sokoto	1,250.62	1,205.08	1136.96	68.97	645.78	186.28	343.73	12.6	0	12.4
North West	Zamfara	887.33	861.67	847.86	88.92	310.65	25.19	385.43	3.37	0.41	5.51
North West	Zone total	10,361.16	9,807.52	9,559.65	780.24	4441.04	883.45	3,907.41	87.07	12.31	595.59
South East	Abia	911.26	870.04	742.11	857	59.83	646.66	110.13	220.48	19.57	28.19
South East	Anambra	1,072.20	983.21	629.08	947.54	10.74	360.30	38.7	98.84	1.36	3.61
South East	Ebonyi	886.9	881.41	590.84	865.35	58.05	402.82	137.61	38.23	0	7.81

Table 2: Crop categories, in number of agricultural holdings in the household sector, by Zone/State level, major season, Agricultural Year 2022/2023.											
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Crop Category							
				Cereal Crops	Tuber/Root Crops	Leguminous Crops	Vegetable Crops	Oil Seeds Crops	Fruits and Nuts Crops	Stimulant Crops	Other Crops
				Number of households ('000)							
South East	Enugu	909.29	881.16	517.27	850.55	29.11	297.74	107.39	70.26	3.31	13.64
South East	Imo	1,191.77	1123.09	826.97	1111.5	1.47	569.11	142.78	157.51	0.5	7.47
South East	Zone total	4,971.42	4,738.90	3306.28	4631.93	159.2	2,276.62	536.60	585.31	24.75	60.71
South South	Akwa Ibom	1,278.74	1,222.38	688.49	1168.78	0.71	656.11	406.94	600.68	31.12	6.96
South South	Bayelsa	334.64	144.65	20.69	137.35	0.03	38.74	19.52	89.88	0.59	0.95
South South	Cross River	805.52	762.78	383.98	673.7	36.41	223.2	217.85	192.43	149.71	49.12
South South	Delta	949.8	819.27	413.46	784.08	10.76	299.97	124.24	211.48	3.55	15.73
South South	Edo	602.92	492.23	213.44	428.31	3.39	84.09	63.08	139.92	42.2	2.88
South South	Rivers	1,321.47	845.76	383.39	809	4.45	386.28	41.86	178.08	1.7	9.55
South South	Zone total	5,293.09	4,287.07	2103.46	4001.22	55.75	1,688.38	873.49	1412.46	228.88	85.19
South West	Ekiti	477.57	412.76	232.64	381.28	5.12	80.28	54.88	129.04	107.24	10.18
South West	Lagos	764.68	164.74	76.26	123.3	2.19	43.16	23.22	75.67	4.51	0.5
South West	Ogun	1,181.33	711.58	348.65	628.9	18.75	160.72	86.98	214.44	49.87	8.36
South West	Ondo	753.96	632.11	334.66	532.21	3.97	160.07	224.66	277.34	303.27	14.78
South West	Osun	912.68	708.81	476.03	572.78	7.39	199.24	232.56	387.86	347.48	43.51
South West	Oyo	1,304.69	849.65	675.55	752.56	83.34	216.81	179.52	237.34	30.84	49.71
South West	Zone total	5,394.91	3,479.64	2143.79	2991.02	120.75	860.28	801.83	1321.68	843.21	127.04
Nigeria	Total	40,221.06	35,600.51	28,998.97	17271.82	9736.48	7,243.56	11,784.82	4,305.19	1154.85	1084.17

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 3: Cereal crops, number of agricultural holdings in the household sector, by Zone/State level, major season, Agricultural Year 2022/2023.									
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Cereals harvested for grain					
				GUINEA CORN	MAIZE	MILLET/MAIWA	RICE	ACHA	WHEAT
				Number of households ('000)					
North Central	Benue	1,833.18	1,795.51	500.89	850.39	45.87	863.22	0.00	0
North Central	Fct	567.24	324.99	134.49	266.34	28.17	70.47	0	0
North Central	Kogi	900.59	848.02	96.28	640.86	15.14	139.58	0	0
North Central	Kwara	787.92	576.25	156.07	398.11	28.92	77.02	0	0
North Central	Nasarawa	778.07	750.11	254.92	520.48	93.69	191.65	0	0.17
North Central	Niger	1,450.12	1,374.95	536.87	996.05	244.8	445.07	0.22	0.22
North Central	Plateau	1,437.97	1,362.24	408.53	1077.79	189.95	372.60	81.30	0.18
North Central	Zone total	7,755.09	7,032.07	2088.04	4750.01	646.54	2,159.62	81.52	0.56
North East	Adamawa	1,184.62	1,165.57	321.66	963.38	97.35	566.51	0.00	1.44
North East	Bauchi	1,942.25	1,930.47	1207.63	735.41	969.66	756.29	11.09	2.3
North East	Borno	1,045.44	975.8	223.02	554.2	243	174.44	0	1.18
North East	Gombe	532.53	515.86	183.46	313.62	155.98	150.16	0	0.46
North East	Taraba	977.3	933.19	312.22	745.17	47.48	375.2	0.33	0
North East	Yobe	763.25	734.42	542.59	68.42	544.21	77	0.97	0.58
North East	Zone total	6,445.39	6,255.31	2,790.58	3380.18	2057.66	2,099.60	12.39	5.95
North West	Jigawa	1,187.32	1166.34	943.74	117.54	921.7	360.39	0.68	12.93
North West	Kaduna	1,996.61	1,879.42	702.24	1695.53	164.84	1,016.02	16.23	1.42
North West	Kano	2,368.95	2,145.92	1126.52	1289.39	902.69	861.59	0.28	15.18
North West	Katsina	1,494.96	1,430.48	949.38	750.73	761.07	248.08	0.00	2.25
North West	Kebbi	1,175.38	1118.62	619.4	448.42	734.6	475.61	9.31	6.03
North West	Sokoto	1,250.62	1,205.08	657.3	291.55	948	275.46	0.00	8.15
North West	Zamfara	887.33	861.67	551.28	447.18	540.51	247.86	0	0.38
North West	Zone total	10,361.16	9,807.52	5,549.85	5040.34	4973.41	3,485.00	26.49	46.34
South East	Abia	911.26	870.04	0	738.79	0	11.49	0	0
South East	Anambra	1,072.20	983.21	0.4	602.51	0.7	50.61	0	0.72
South East	Ebonyi	886.9	881.41	0.26	438.63	0.34	327.63	0	0
South East	Enugu	909.29	881.16	1.29	495.25	2.1	65.69	0	0
South East	Imo	1,191.77	1123.09	0	826.97	0	0.00	0	0

Table 3: Cereal crops, number of agricultural holdings in the household sector, by Zone/State level, major season, Agricultural Year 2022/2023.										
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Cereals harvested for grain						
				GUINEA CORN	MAIZE	MILLET/MAIWA	RICE	ACHA	WHEAT	
				Number of households ('000)						
South East	Zone total	4,971.42	4,738.90	1.94	3102.13	3.14	455.42	0.00	0.72	
South South	Akwa Ibom	1,278.74	1,222.38	0	680.93	0.35	15.69	0.00	0	
South South	Bayelsa	334.64	144.65	0	19.73	0	1.13	0	0	
South South	Cross River	805.52	762.78	1.64	251.05	0	171.32	0	0	
South South	Delta	949.8	819.27	0	408.6	0.33	7.93	0.72	0	
South South	Edo	602.92	492.23	1.34	204.27	0.91	13.74	0	0	
South South	Rivers	1,321.47	845.76	0.23	379.41	0.95	3.56	0.00	0	
South South	Zone total	5,293.09	4,287.07	3.21	1943.99	2.54	213.36	0.72	0	
South West	Ekiti	477.57	412.76	0.45	226.45	0.18	15.17	0	0	
South West	Lagos	764.68	164.74	0.04	75.22	0.4	1.29	0.15	0.48	
South West	Ogun	1,181.33	711.58	0.14	346.74	0.17	5.13	0.00	0	
South West	Ondo	753.96	632.11	1.38	333.12	3.48	0.93	0	0	
South West	Osun	912.68	708.81	2.13	475.38	0.99	3.01	0	0	
South West	Oyo	1,304.69	849.65	56.91	669.29	42.26	28.14	0.00	0	
South West	Zone total	5,394.91	3,479.64	61.05	2126.19	47.48	53.68	0.15	0.48	
Nigeria	Total	40,221.06	35,600.51	10,494.69	20342.85	7730.77	8,466.69	121.27	54.06	

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 4: Tubers, Root and Bulb crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.											
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Tubers/Root Crops							
				CASSAVA	COCOYAM	WHITE YAM	YELLOW YAM	WATER YAM	THREE LEAVE YAM	IRISH POTATO	SWEET POTATO
				Number of households ('000)							
North Central	Benue	1,833.18	1,795.51	1502.31	37.29	1507.42	23.53	252.32	6.28	0	252.35
North Central	Fct	567.24	324.99	73.31	6.24	91.72	0	3.71	0.19	1.55	27.65
North Central	Kogi	900.59	848.02	675.38	36.71	311.75	20.42	24.33	4.27	0	48.5
North Central	Kwara	787.92	576.25	234.6	3.81	201.36	0.69	3.51	0	0.33	19.72
North Central	Nasarawa	778.07	750.11	176.61	1.34	190.27	1.52	1.65	1.46	0.13	24.87
North Central	Niger	1,450.12	1,374.95	128.8	2.98	276.93	1.49	2.31	0.12	0	33.31
North Central	Plateau	1,437.97	1,362.24	45.65	41.35	289.17	0.71	9.89	0.41	279.46	125.03
North Central	Zone total	7,755.09	7,032.07	2836.66	129.72	2868.61	48.36	297.73	12.72	281.47	531.43
North East	Adamawa	1,184.62	1,165.57	28.9	0.36	25.68	0.62	0.22	0	4.13	8.90
North East	Bauchi	1,942.25	1,930.47	37.48	3.27	2.46	0.28	1.29	0	0.6	19.94
North East	Borno	1,045.44	975.8	1.05	0.28	0.29	0.00	0	0	0	2.54
North East	Gombe	532.53	515.86	2.73	1.03	0	0	0	0	0	1.56
North East	Taraba	977.3	933.19	271.14	40.23	176.27	0.58	1.74	0	11.27	55.24
North East	Yobe	763.25	734.42	1.19	0	0.26	0	0	0	0	0.81
North East	Zone total	6,445.39	6,255.31	342.48	45.17	204.95	1.49	3.25	0	15.99	88.99
North West	Jigawa	1,187.32	1166.34	16.13	1.02	0.43	0.00	0	0	0	4.79
North West	Kaduna	1,996.61	1,879.42	67.51	31.88	102.95	0.98	2.28	0.41	1.31	160.59
North West	Kano	2,368.95	2,145.92	94.74	2.69	1.69	0.00	0.00	0	0.3	72.20
North West	Katsina	1,494.96	1,430.48	52.34	1.56	0.45	0.00	0.00	0	0.91	44.50
North West	Kebbi	1,175.38	1118.62	41.83	0.36	0	0.00	0	0	0	18.22
North West	Sokoto	1,250.62	1,205.08	51.3	0.27	0.46	0.40	0.00	0	0	21.49
North West	Zamfara	887.33	861.67	4.54	1.72	1.51	0	0	0	0.73	81.53
North West	Zone total	10,361.16	9,807.52	328.39	39.49	107.49	1.38	2.28	0.41	3.25	403.31
South East	Abia	911.26	870.04	845.59	179.6	395.72	16.7	27.02	96.43	1.25	12.76
South East	Anambra	1,072.20	983.21	885.9	447.05	487.8	4.31	16.17	6.35	0.28	27.14
South East	Ebonyi	886.9	881.41	811.89	201.35	698.43	35.03	349.84	53.56	0	69.9
South East	Enugu	909.29	881.16	821.65	443.38	302.52	45.33	122.85	35.81	0	33.56

Table 4: Tubers, Root and Bulb crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.											
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Tubers/Root Crops							
				CASSAVA	COCOYAM	WHITE YAM	YELLOW YAM	WATER YAM	THREE LEAVE YAM	IRISH POTATO	SWEET POTATO
				Number of households ('000)							
South East	Imo	1,191.77	1123.09	1105.8	277.56	358.94	32.85	3.52	51.76	1.11	4.05
South East	Zone total	4,971.42	4,738.90	4470.83	1548.94	2243.41	134.22	519.40	243.9	2.63	147.41
South South	Akwa Ibom	1,278.74	1,222.38	1126.9	366.61	241.42	21.54	69.93	52.27	0	24.18
South South	Bayelsa	334.64	144.65	131.43	18.65	22.84	2.63	18.71	0	0.2	35
South South	Cross River	805.52	762.78	654.22	88.12	429.37	0.37	151.86	5.56	0	24.27
South South	Delta	949.8	819.27	768.41	23.69	295.05	11.03	27.38	0	0.7	68.61
South South	Edo	602.92	492.23	398.66	37.74	141.86	8.37	5.46	0.18	0.3	3.27
South South	Rivers	1,321.47	845.76	793.97	78.42	177.06	5.38	9.26	73.63	0.33	11.96
South South	Zone total	5,293.09	4,287.07	3873.59	613.23	1307.6	49.32	282.60	131.64	1.53	167.30
South West	Ekiti	477.57	412.76	334.03	163	224.84	13.76	10.38	4.72	0	10.69
South West	Lagos	764.68	164.74	109.08	13.04	19.52	1.18	1	0	0.51	10.93
South West	Ogun	1,181.33	711.58	607.64	78.27	66.89	1.18	7.16	0.9	0.49	13.59
South West	Ondo	753.96	632.11	491.29	106.35	256.17	24.74	15.68	7.29	0.32	7.5
South West	Osun	912.68	708.81	535.72	166.24	214.33	16.72	4.6	4.36	0.31	33.97
South West	Oyo	1,304.69	849.65	678.23	36.77	262.46	22.69	25.86	4.77	2.51	33.25
South West	Zone total	5,394.91	3,479.64	2755.99	563.67	1044.21	80.26	64.68	22.04	4.14	109.93
Nigeria	Total	40,221.06	35,600.51	14,607.92	2940.22	7776.28	315.02	1,169.93	410.71	309	1,448.36

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 5: Leguminous(grain) plants, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.							
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Leguminous crops			
				BEANS/COWPEA	BAMBARA NUT	PIGEON PEA	
				Number of households ('000)			
North Central	Benue	1,833.18	1,795.51	444.18	106.79	1.34	
North Central	Fct	567.24	324.99	144.76	0.09	0.15	
North Central	Kogi	900.59	848.02	244.18	28.51	26.52	
North Central	Kwara	787.92	576.25	73	0	0	
North Central	Nasarawa	778.07	750.11	220.3	0.97	0	
North Central	Niger	1,450.12	1,374.95	469.25	13.57	0	
North Central	Plateau	1,437.97	1,362.24	385.04	16.3	2.26	
North Central	Zone total	7,755.09	7,032.07	1980.71	166.22	30.27	
North East	Adamawa	1,184.62	1,165.57	419.06	6.65	0	
North East	Bauchi	1,942.25	1,930.47	853.17	35.9	0	
North East	Borno	1,045.44	975.8	564.73	30.01	0	
North East	Gombe	532.53	515.86	280.69	8.06	0	
North East	Taraba	977.3	933.19	188.76	24.33	0.21	
North East	Yobe	763.25	734.42	494.28	13.15	0.02	
North East	Zone total	6,445.39	6,255.31	2,800.68	118.1	0.23	
North West	Jigawa	1,187.32	1166.34	750.1	3.56	0	
North West	Kaduna	1,996.61	1,879.42	667.69	21.67	2.3	
North West	Kano	2,368.95	2,145.92	823.94	4.89	0	
North West	Katsina	1,494.96	1,430.48	892.15	5.98	0	
North West	Kebbi	1,175.38	1118.62	328.91	16.13	0	
North West	Sokoto	1,250.62	1,205.08	644.68	6.25	0	
North West	Zamfara	887.33	861.67	307.63	7.98	0	
North West	Zone total	10,361.16	9,807.52	4,415.10	66.45	2.3	
South East	Abia	911.26	870.04	59.45	0.39	0	
South East	Anambra	1,072.20	983.21	9.29	2.57	1.04	
South East	Ebonyi	886.9	881.41	39.76	19.01	0	
South East	Enugu	909.29	881.16	22.82	5.08	1.85	

Table 5: Leguminous(grain) plants, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.						
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Leguminous crops		
				BEANS/COWPEA	BAMBARA NUT	PIGEON PEA
				Number of households ('000)		
South East	Imo	1,191.77	1123.09	1.47	0	0
South East	Zone total	4,971.42	4,738.90	132.79	27.04	2.9
South South	Akwa Ibom	1,278.74	1,222.38	0.71	0	0
South South	Bayelsa	334.64	144.65	0.03	0	0
South South	Cross River	805.52	762.78	22.18	15.83	0
South South	Delta	949.8	819.27	10.76	0	0
South South	Edo	602.92	492.23	3.02	0	0.37
South South	Rivers	1,321.47	845.76	4.3	0	0.15
South South	Zone total	5,293.09	4,287.07	41	15.83	0.52
South West	Ekiti	477.57	412.76	5.12	0	0
South West	Lagos	764.68	164.74	2.19	0	0
South West	Ogun	1,181.33	711.58	18.75	0	0
South West	Ondo	753.96	632.11	3.97	0	0
South West	Osun	912.68	708.81	7.39	0	0
South West	Oyo	1,304.69	849.65	82.61	0.73	0
South West	Zone total	5,394.91	3,479.64	120.02	0.73	0
Nigeria	Total	40,221.06	35,600.51	9,490.30	394.38	36.22

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 6: Vegetable crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Vegetable Crops													
				MELON/EGUSI	CARROT	CUCUMBER	CABBAGE	LETTUCE	GARDEN EGG	GARLIC	OKRO	ONION	SWEET/BELL PEPPER (TATASHE)	SMALL PEPPER (RODO)	PUMPKIN	GREEN VEGETABLE	TOMATO
				Number of households ('000)													
North Central	Benue	1,833.18	1,795.51	96.1	0	1.19	0	0.00	12.76	0	167.53	43.68	23.16	142.34	6.12	28.34	184.57
North Central	Fct	567.24	324.99	38.8	0	0.57	0	0	1.24	0.92	32.65	0.8	4.15	17.42	4	17.97	11.68
North Central	Kogi	900.59	848.02	69.08	0.17	0.34	0	0	8.82	0	115.38	0	12.69	96.27	8.31	29.82	63.08
North Central	Kwara	787.92	576.25	14.78	0	0.33	0	0	0.51	0	17.4	0	1	17.16	0.28	13	17.02
North Central	Nasarawa	778.07	750.11	118.76	0	0.2	0	0	1.85	0	18.78	2.06	1.29	13.91	0.16	0.53	16.64
North Central	Niger	1,450.12	1,374.95	65.33	0	0.22	0.22	0.00	1.23	0	33.81	0.75	3.97	37.42	0.00	2.82	10.06
North Central	Plateau	1,437.97	1,362.24	0.95	15.19	8.19	15.67	2.96	0.96	0	57.24	5.62	3.69	22.72	0.45	5.08	58.89
North Central	Zone total	7,755.09	7,032.07	403.8	15.36	11.02	15.89	2.96	27.36	0.92	442.77	52.91	49.93	347.23	19.33	97.56	361.93
North East	Adamawa	1,184.62	1,165.57	2.69	0	0.61	0	0.76	1.27	0	28.77	1.8	3.34	7.15	10.05	15.31	3.25
North East	Bauchi	1,942.25	1,930.47	0	0.14	0.48	0.2	0.20	0.00	0	24.17	9.51	0.85	9.69	0.00	0.12	20.66
North East	Borno	1,045.44	975.8	0	0.29	3.14	0	0.00	3.87	0.31	62.49	6.79	0	4.34	1.06	17.51	11.31
North East	Gombe	532.53	515.86	0	0	0	0	0	0	0	2.4	5.31	1.76	2.29	0	0	5.77
North East	Taraba	977.3	933.19	56.25	0.16	0.25	1.82	2.88	2.75	0	43.57	1.13	3.36	31.74	5.77	21.04	7.2
North East	Yobe	763.25	734.42	4.74	0	1.07	0	0.25	0	0	4.38	4.17	0.02	1.92	0	0.58	2.27
North East	Zone total	6,445.39	6,255.31	63.68	0.59	5.54	2.02	4.09	7.88	0.31	165.79	28.7	9.33	57.12	16.88	54.57	50.45
North West	Jigawa	1,187.32	1166.34	2.92	0	0	0	0.00	0.36	0	7.89	5.81	3.37	18.27	3.06	0.24	8.22
North West	Kaduna	1,996.61	1,879.42	3.17	9.86	1.63	7.68	1.27	3.50	0.44	43.87	51.31	15.16	62.12	2.00	4.81	70.8
North West	Kano	2,368.95	2,145.92	2.73	9.4	3.7	7.73	3.46	3.05	0	71.95	155.6	12.11	133.67	10.41	2.63	108.09
North West	Katsina	1,494.96	1,430.48	0.76	0	0	0.64	0.36	0.69	0.29	26.58	15.4	1.84	4.01	2.73	2.28	21.68
North West	Kebbi	1,175.38	1118.62	0.79	0	0	0	0.00	1.18	0	13.97	27.71	4.7	18.29	0.2	1.82	15.63
North West	Sokoto	1,250.62	1,205.08	1.76	3.1	0	2.01	2.07	0.18	28.97	22.69	126.01	8.31	36.38	0.00	3.22	41.47
North West	Zamfara	887.33	861.67	0.15	1.09	0	0.42	0.24	0.26	0.15	6.45	5.26	2.92	8.27	0	0.47	8.09
North West	Zone total	10,361.16	9,807.52	12.28	23.45	5.33	18.48	7.40	9.21	29.85	193.4	387.11	48.4	281.01	18.41	15.46	273.97
South East	Abia	911.26	870.04	232.21	0	77.8	0	0.29	54.53	0.86	255.86	0	0	111.8	472.7	67.73	12.54
South East	Anambra	1,072.20	983.21	23.49	0	5.79	0	0.00	9.37	0	89.02	0.3	0.7	23.34	235.9	129.71	51.77
South East	Ebonyi	886.9	881.41	42.58	0	1.9	0	0	3.62	0	261.94	0	0.58	193.88	159.27	17.96	2.17
South East	Enugu	909.29	881.16	28.32	0	9.14	0	0	13.89	0.32	136.38	0	1.15	54.37	161.25	47.03	28.17
South East	Imo	1,191.77	1123.09	152.76	0	30.57	0	0.00	13.17	0.42	204.84	0.44	0	23.68	385.73	43.36	5.28
South East	Zone total	4,971.42	4,738.90	479.36	0	125.2	0	0.29	94.58	1.6	948.03	0.74	2.44	407.07	1,414.86	305.8	99.92
South South	Akwa Ibom	1,278.74	1,222.38	217.79	0.5	114.68	0	0.00	16.62	0.15	265.2	0	0.97	137.91	467.01	120.22	11.63
South South	Bayelsa	334.64	144.65	0.64	0	5.07	0	0	2.78	0	18.63	0	1.45	25.99	3.05	2.61	0.43
South South	Cross River	805.52	762.78	78.85	0	12.85	0	0	15.52	0	106.56	0.37	0	56.82	81.54	15.73	7.28
South South	Delta	949.8	819.27	76.32	0	6.79	0	0	4.9	0	137.58	0	4.1	117.27	112.64	30.33	48.07
South South	Edo	602.92	492.23	36.5	0	1.13	0	0	0.82	0	15.17	0.19	1.76	12.67	24.65	7.82	14.01
South South	Rivers	1,321.47	845.76	47.24	0	33.3	0	0.23	9.91	0	166.77	0	0.12	43.87	232.56	39.02	1.75
South South	Zone total	5,293.09	4,287.07	457.33	0.5	173.81	0	0.23	50.55	0.15	709.91	0.55	8.4	394.53	921.44	215.72	83.17
South West	Ekiti	477.57	412.76	8.03	0	0.53	0	0	2.64	0	17.35	0	0.99	54.44	0.48	21.46	49.49
South West	Lagos	764.68	164.74	1.35	0	0.9	0	0	0.21	0	16.62	1.24	0	3.59	6.59	24.04	6.85
South West	Ogun	1,181.33	711.58	15.19	0.12	1.14	0	0.00	0.51	0	37.93	0	0.75	75.21	11.06	64.82	68.67
South West	Ondo	753.96	632.11	24.34	0	0.19	0	0	2.03	0	38.25	0	4.64	59.16	13.49	55.42	64.1
South West	Osun	912.68	708.81	10.41	0	0.68	0	0	2.19	0	85.62	1.57	2.12	107.56	0.74	75.54	107.44

Table 6: Vegetable crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Vegetable Crops													
				MELON/EGUSI	CARROT	CUCUMBER	CABBAGE	LETTUCE	GARDEN EGG	GARLIC	OKRO	ONION	SWEET/BELL PEPPER (TATASHE)	SMALL PEPPER (RODO)	PUMPKIN	GREEN VEGETABLE	TOMATO
				Number of households ('000)													
South West	Oyo	1,304.69	849.65	17.73	0.17	2.34	0	0.17	4.31	0	35.89	2.09	16.52	111.56	1.93	48.83	124.59
South West	Zone total	5,394.91	3,479.64	77.04	0.3	5.78	0	0.17	11.89	0	231.66	4.9	25.02	411.51	34.30	290.11	421.15
Nigeria	Total	40,221.06	35,600.51	1,493.49	40.2	326.69	36.39	15.14	201.48	32.82	2691.56	474.92	143.51	1,898.46	2,425.21	979.21	1290.59

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 7: Oilseeds crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Oilseeds crops									
				COTTON	GROUND NUTS	BEEHI-SEED/SESAME	SOYA BEANS	SUGARCA NE	TOBACCO	COCONUT	JUTE (EWEDU)	OIL PALM TREE	OIL BEAN
				Number of households ('000)									
North Central	Benue	1,833.18	1,795.51	0	935.8	102.06	556.66	3.07	0.21	7.76	0	73.08	0
North Central	Fct	567.24	324.99	0	74.68	20.6	42.45	0.63	0	0	0.95	1.94	0
North Central	Kogi	900.59	848.02	0	79.07	44.55	24.49	0.1	0	1.1	0.7	61.13	0
North Central	Kwara	787.92	576.25	0	34.99	0.04	159.97	0.12	0	0.62	5.82	2.39	0.19
North Central	Nasarawa	778.07	750.11	0.06	231.07	85.23	34.87	2.28	0	0	0	2.48	0
North Central	Niger	1,450.12	1,374.95	0	451.6	22.16	222.12	12.50	0.12	0.08	0.23	0.08	0
North Central	Plateau	1,437.97	1,362.24	2.25	259.88	6.59	201.35	4.82	0.00	0.37	0	0.33	0
North Central	Zone total	7,755.09	7,032.07	2.31	2067.09	281.23	1241.91	23.51	0.33	9.93	7.71	141.43	0.19
North East	Adamawa	1,184.62	1,165.57	11.99	316.6	11.87	81	2.68	0.00	0	0	0.2	0
North East	Bauchi	1,942.25	1,930.47	0	629.58	202.71	265.02	7.16	0.00	0	0	0	0
North East	Borno	1,045.44	975.8	0	429.92	24.89	35	0.33	0	0	0	0	0
North East	Gombe	532.53	515.86	7.16	86.33	18.27	72.53	0.32	0	0	0	0	0
North East	Taraba	977.3	933.19	0	357.29	85.79	80.6	6.13	0	0	0.05	16.31	0
North East	Yobe	763.25	734.42	0	143.28	110.23	0.69	0	0	0	0	6.69	0
North East	Zone total	6,445.39	6,255.31	19.15	1962.99	453.75	534.84	16.62	0.00	0.00	0.05	23.21	0
North West	Jigawa	1,187.32	1166.34	0.81	358.67	298.66	11.22	6.18	0	0	0	0	0
North West	Kaduna	1,996.61	1,879.42	0.92	219.7	3.03	586.91	61.15	0.00	0	0.95	5.02	0
North West	Kano	2,368.95	2,145.92	13.85	519.05	24.97	481.7	12.03	0.00	0	0.87	0.41	0.54
North West	Katsina	1,494.96	1,430.48	34.94	404.9	116.72	248.68	7.53	0.00	0	0	0	0
North West	Kebbi	1,175.38	1118.62	0	249.14	7.32	22.75	11.12	0	0	0	0	0
North West	Sokoto	1,250.62	1,205.08	0	318	9.65	24.99	4.98	0.17	0	1.8	0	0
North West	Zamfara	887.33	861.67	6.47	250.58	8.71	187.48	2.42	0	0	0	0	0
North West	Zone total	10,361.16	9,807.52	56.99	2320.02	469.07	1563.73	105.41	0.17	0.00	3.62	5.43	0.54
South East	Abia	911.26	870.04	0	6.49	0	0	2.81	0	28.65	0	88.51	0
South East	Anambra	1,072.20	983.21	0	0.76	0	0.19	0.00	0	5.64	0	35.38	0
South East	Ebonyi	886.9	881.41	0	61.34	32.05	0.4	0.4	0	7.76	0	65.23	0
South East	Enugu	909.29	881.16	0	40.62	0	0	0.2	0	8.42	0	73.89	0.81
South East	Imo	1,191.77	1123.09	0	7.29	0	0.62	0.62	0	5.35	0	134.01	1.08

Table 7: Oilseeds crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Oilseeds crops									
				COTTON	GROUND NUTS	BEEHI-SEED/SEAME	SOYA BEANS	SUGARCA NE	TOBACCO	COCONUT	JUTE (EWEDU)	OIL PALM TREE	OIL BEAN
				Number of households ('000)									
South East	Zone total	4,971.42	4,738.90	0	116.49	32.05	1.21	4.02	0.00	55.82	0	397.02	1.89
South South	Akwa Ibom	1,278.74	1,222.38	0	4.47	0.24	0	17.54	0.00	151.25	0	333.45	0
South South	Bayelsa	334.64	144.65	0	5.88	0	0	13.35	0	0.61	0	2.74	0
South South	Cross River	805.52	762.78	0	85.57	7.63	1.54	1.9	0	6.09	0	137.26	0
South South	Delta	949.8	819.27	0	40.66	0	0	13.54	0	6.7	0	76.33	0
South South	Edo	602.92	492.23	0.19	22.6	2.01	0.21	1.2	0.2	2.11	0.22	37.83	0
South South	Rivers	1,321.47	845.76	0	7.2	0	0	6.58	0.00	6.61	0	26.2	0
South South	Zone total	5,293.09	4,287.07	0.19	166.38	9.87	1.75	54.09	0.20	173.36	0.22	613.81	0
South West	Ekiti	477.57	412.76	0	0.74	0.63	1.11	1.14	0.49	0.03	0.38	52.41	0
South West	Lagos	764.68	164.74	0	0.29	0.15	0.16	5.16	0	6.26	6.92	7.08	0
South West	Ogun	1,181.33	711.58	0	9.26	0	2.06	4.66	0.00	2.75	32.01	38.41	0
South West	Ondo	753.96	632.11	0	4.27	0	0.56	3.24	0	5.31	9.31	213.14	0
South West	Osun	912.68	708.81	0	3.8	0	0.81	3.29	0.27	10.62	61.18	180.57	0
South West	Oyo	1,304.69	849.65	0.2	21.97	0.45	116.89	1.68	0.90	0.06	22.93	24.57	0.51
South West	Zone total	5,394.91	3,479.64	0.2	40.34	1.23	121.6	19.17	1.66	25.03	132.73	516.18	0.51
Nigeria	Total	40,221.06	35,600.51	78.84	6673.31	1247.2	3465.04	222.82	2.35	264.13	144.33	1697.08	0.31

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 8: Fruits and Nuts Crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Fruits and Nuts Crops																		
				BANANA	PINEAPPLE	PLANTAIN	WALNUT	APPLE	CASHEW	GRAPE FRUIT	GUAVA	LEMON	LIME	MANDARIN/ TANGERINE	MANGO	ORANGE	PAWPAW	PEAR	AVOCADO PEAR	DATE PALM	AFRICAN CHERRY(AGBALUMO/UDARA)	WATERMELON
				Number of households ('000)																		
North Central	Benue	1,833.18	1,795.51	45.66	2.82	39.06	0	0.00	31.06	0.44	2.14	0.45	0	0.44	127.65	334.34	30.04	1.82	0.45	0.00	0.00	3.11
North Central	Fct	567.24	324.99	10.53	0.17	7.19	0	0	3.14	0	1.37	0	0	0	6.35	1.17	3.35	0	0	0	0	2.23
North Central	Kogi	900.59	848.02	24.7	3.78	17.43	0	0	192.21	0	0.51	0.37	0	0	8.04	7.98	3.44	0.55	0.12	0	0	0
North Central	Kwara	787.92	576.25	5.69	0.24	1.56	0.02	0	28.09	0	0	0	0	0	3.52	3.66	1.78	0	0	0	0	1.07
North Central	Nasarawa	778.07	750.11	4.82	0	0.13	0	0	1.31	0	0.06	0	0	0	0.92	1.12	0.09	0	0	0	0	1.49
North Central	Niger	1,450.12	1,374.95	4.21	0	1.33	0	0.00	2.47	0	0.7	0	0	0.00	4.56	0.56	0.54	0	0	0.00	0.00	2.99
North Central	Plateau	1,437.97	1,362.24	4.25	0	0.17	0	0.00	12.54	0	7.51	0.33	0	0.00	34.85	4.27	2.95	0	5.47	0.00	0.00	0.4
North Central	Zone total	7,755.09	7,032.07	99.86	7	66.86	0.02	0.00	270.83	0.44	12.29	1.15	0	0.44	185.89	353.12	42.19	2.37	6.04	0.00	0.00	11.3
North East	Adamawa	1,184.62	1,165.57	7.01	0	0.26	0	0.00	1.91	0	2.9	0	0	0.00	8.92	0.63	2.22	0	0	1.41	0.00	0.32
North East	Bauchi	1,942.25	1,930.47	0.35	0	0.07	0	0.00	0.48	0	0.07	0	0	0.00	2.16	0	0	0	0	0.00	0.00	2.68
North East	Borno	1,045.44	975.8	0	0	0	0	0.00	0	0	0	0.13	0	0.00	0.13	0.13	0.07	0	0	0.13	0	1.65
North East	Gombe	532.53	515.86	0.2	0	0	0	0	0	0	0.14	0	0	0	0.58	0	0	0	0	0	0	0.47
North East	Taraba	977.3	933.19	32.97	1.21	12.85	0	0	2.55	0.26	5.03	0.25	0	0.03	24.93	9.49	5.82	0	0.61	0	0	0.41
North East	Yobe	763.25	734.42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.69
North East	Zone total	6,445.39	6,255.31	40.54	1.21	13.18	0	0.00	4.94	0.26	8.14	0.39	0	0.03	36.73	10.25	8.12	0	0.61	1.54	0.00	7.23
North West	Jigawa	1,187.32	1166.34	0	0	0	0	0.00	0	0	0.87	0	0	0.00	0.75	0	0	0	0	0.54	0	7.92
North West	Kaduna	1,996.61	1,879.42	9.48	0	1.25	0	0.00	1.15	0.92	2.33	0.47	0	0.00	5.13	3.04	0.47	0.34	0	0.00	0.00	0.12
North West	Kano	2,368.95	2,145.92	4.33	0.62	0.34	0	0.00	0.91	0	2.08	1.57	0	0.00	16.57	1.92	0.65	0	0	0.00	0.00	6.53
North West	Katsina	1,494.96	1,430.48	1.66	0	0	0	0.00	0.00	0	1.83	0	0	0.00	9.32	0.48	0	0	0	0.00	0.00	1.98
North West	Kebbi	1,175.38	1118.62	0.48	0	0	0	0.00	0.46	0	0	0	0	0.00	1.79	0.29	0	0	0	0.00	0	5.19
North West	Sokoto	1,250.62	1,205.08	0.39	0	0	0	0.00	0.00	0	0.4	0	0	0.00	3.15	0.27	0.27	0	0	0.00	0.00	8.93
North West	Zamfara	887.33	861.67	0	0	0	0	0	0.21	0	1.02	0	0	0	1.82	0.06	0	0	0	0.14	0	1.55
North West	Zone total	10,361.16	9,807.52	16.34	0.62	1.59	0	0.00	2.73	0.92	8.52	2.04	0	0.00	38.52	6.06	1.4	0.34	0	0.68	0.00	32.22

Table 8: Fruits and Nuts Crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Fruits and Nuts Crops																		
				BANANA	PINEAPPLE	PLANTAIN	WALNUT	APPLE	CASHEW	GRAPE FRUIT	GUAVA	LEMON	LIME	MANDARIN/ TANGERINE	MANGO	ORANGE	PAWPAW	PEAR	AVOCADO PEAR	DATE PALM	AFRICAN CHERRY(AGBALUMO/UDARA)	WATERMELON
				Number of households ('000)																		
South East	Abia	911.26	870.04	111.19	37.82	183.23	0.24	0	4.77	1.92	28	3.54	0	5.18	23.3	51.2	43.39	27.17	26.02	0.16	6.76	6.19
South East	Anambra	1,072.20	983.21	38.99	0.08	80.87	0	0.00	0.51	0	1.75	0.12	0	1.17	11.09	4.74	5.75	5.07	5.32	0.00	0	2.41
South East	Ebonyi	886.9	881.41	3.64	0.36	12.85	0	0	6.01	0	0.36	0	0	0	14.26	5	2.21	8.73	1.42	0	0	1.55
South East	Enugu	909.29	881.16	27.21	4.35	31.05	0.43	0	10.89	0	2.39	0	0	0	9.18	8.17	10.83	1.83	4.08	0	0.52	0.45
South East	Imo	1,191.77	1123.09	47.68	8.66	122.22	0	0.00	0.94	0	5.97	0.43	0	0.43	2.89	11.16	10.59	8.6	5.66	0.00	0.85	4.68
South East	Zone total	4,971.42	4,738.90	228.71	51.27	430.22	0.67	0.00	23.13	1.92	38.48	4.09	0	6.78	60.72	80.27	72.78	51.41	42.5	0.16	8.13	15.29
South South	Akwa Ibom	1,278.74	1,222.38	300.79	129.79	553.58	1	1.62	1.85	2.9	46.13	5.08	1.7	2.35	68.48	85.39	92.66	66.46	37.43	0.70	10.03	8.16
South South	Bayelsa	334.64	144.65	15.68	0.37	87.29	0	0.09	0	0	1.41	0	0.12	0	0.49	0.64	0.41	0.15	0.17	0	0	0.55
South South	Cross River	805.52	762.78	90.81	14.79	153.27	0	0	0.5	0.45	1.28	0.45	0	0	3.78	8.18	2.16	17.14	8.44	0	0	3.17
South South	Delta	949.8	819.27	31.46	14.45	199.84	0	0	1.88	0.46	2.08	1.56	0	0.46	3.61	11	5.68	0.76	2.24	0	0.3	3.46
South South	Edo	602.92	492.23	8.38	11.08	117.99	0.24	0	14.66	0	0.21	0	0	0.22	1.83	3.85	3.78	1.35	3.86	0	0.16	1.28
South South	Rivers	1,321.47	845.76	60.7	16.8	150.85	0	0.00	0.00	0.17	3.47	0.61	0	1.13	4.92	6.49	12.39	2.99	6.62	0.00	0.00	1.88
South South	Zone total	5,293.09	4,287.07	507.82	187.28	1262.82	1.23	1.71	18.90	3.98	54.57	7.7	1.82	4.16	83.10	115.55	117.08	88.85	58.76	0.70	10.50	18.5
South West	Ekiti	477.57	412.76	61.63	5.8	85.97	1.67	0	7.45	0	0	0	0	0.29	2.03	29.51	0.11	0	0.28	0	1.13	0.3
South West	Lagos	764.68	164.74	33.86	4.64	57.53	0.15	0	1.52	0	2.14	0	0	0.21	8.16	5.54	12.82	0	1.08	0	0.15	0.73
South West	Ogun	1,181.33	711.58	74.95	17.2	159.63	0.33	0.00	11.70	0.19	3.84	0.34	0.09	0.05	11.41	16.98	20.91	0	0.71	0.00	0.00	2.18
South West	Ondo	753.96	632.11	93.07	19.3	219.19	1.73	0	18.2	0	0.49	1.97	0	1.32	5.92	48.58	3.24	1.71	0.72	0	0.78	0
South West	Osun	912.68	708.81	231.29	52.28	241.96	14.53	0	70.85	0	7.17	0.9	0.73	20.8	25.95	121.76	35.24	0.54	3.88	0	9.32	1.56
South West	Oyo	1,304.69	849.65	29.25	4.62	44.11	0.3	0.00	160.41	0	0.33	0.57	0.86	0.00	5.17	8.64	5.41	0.14	0.14	0.00	1.50	8.22
South West	Zone total	5,394.91	3,479.64	524.06	103.84	808.39	18.7	0.00	270.13	0.19	13.96	3.78	1.68	22.68	58.64	231.02	77.73	2.39	6.8	0.00	12.88	12.99
Nigeria	Total	40,221.06	35,600.51	1,417.33	351.22	2583.05	20.63	1.71	590.66	7.71	135.97	19.15	3.49	34.09	463.61	796.27	319.3	145.37	114.72	3.09	31.51	97.52

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 9: Stimulant crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.									
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Stimulant crops					
				TEA	COCOA	COFFEE	ALLIGATOR PEPPER	KOLANUT	
				Number of households ('000)					
North Central	Benue	1,833.18	1,795.51	0	0	0	18.37	5.69	
North Central	Fct	567.24	324.99	0	0.91	0	0.47	0	
North Central	Kogi	900.59	848.02	0	0.99	0.23	0	0.83	
North Central	Kwara	787.92	576.25	0	3.66	0	0	0.83	
North Central	Nasarawa	778.07	750.11	0	0	0	0.19	0	
North Central	Niger	1,450.12	1,374.95	0	0	0	0	0.00	
North Central	Plateau	1,437.97	1,362.24	0	0	0	0	0.00	
North Central	Zone total	7,755.09	7,032.07	0	5.56	0.23	19.02	7.35	
North East	Adamawa	1,184.62	1,165.57	0	0	0	0	0.00	
North East	Bauchi	1,942.25	1,930.47	0	0	0	0	0.00	
North East	Borno	1,045.44	975.8	0	0	0	0.18	0.00	
North East	Gombe	532.53	515.86	0	0	0	0.21	0	
North East	Taraba	977.3	933.19	0.66	12.31	0.06	0.46	0.94	
North East	Yobe	763.25	734.42	0	0	0	0	0	
North East	Zone total	6,445.39	6,255.31	0.66	12.57	0.06	0.84	0.94	
North West	Jigawa	1,187.32	1166.34	0	0	0	0	0.00	
North West	Kaduna	1,996.61	1,879.42	0	0	0	3.3	0.00	
North West	Kano	2,368.95	2,145.92	0	0	0	4.21	0.00	
North West	Katsina	1,494.96	1,430.48	0	0	0	3.84	0.00	
North West	Kebbi	1,175.38	1118.62	0	0	0	0.55	0.00	
North West	Sokoto	1,250.62	1,205.08	0	0	0	0	0.00	
North West	Zamfara	887.33	861.67	0	0	0	0.41	0	
North West	Zone total	10,361.16	9,807.52	0.00	0	0	12.31	0.00	
South East	Abia	911.26	870.04	0	5.37	0	2.28	14.33	
South East	Anambra	1,072.20	983.21	0	0	0	0	1.36	
South East	Ebonyi	886.9	881.41	0	0	0	0	0	
South East	Enugu	909.29	881.16	0	0	0	0.36	2.95	

Table 9: Stimulant crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.								
Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Stimulant crops				
				TEA	COCOA	COFFEE	ALLIGATOR PEPPER	KOLANUT
				Number of households ('000)				
South East	Imo	1,191.77	1123.09	0	0	0	0	0.50
South East	Zone total	4,971.42	4,738.90	0	5.37	0	2.64	19.14
South South	Akwa Ibom	1,278.74	1,222.38	0.18	17.47	0	1.47	15.74
South South	Bayelsa	334.64	144.65	0	0.56	0	0	0.03
South South	Cross River	805.52	762.78	0	148.48	0	0.6	5.28
South South	Delta	949.8	819.27	0	2.62	0	0.72	1.1
South South	Edo	602.92	492.23	0	41	0	0	6.5
South South	Rivers	1,321.47	845.76	0	0.79	0	0.26	0.65
South South	Zone total	5,293.09	4,287.07	0.18	210.92	0	3.04	29.30
South West	Ekiti	477.57	412.76	0	105.27	0.5	0	58.26
South West	Lagos	764.68	164.74	2.38	2.13	0	0.58	0
South West	Ogun	1,181.33	711.58	0	48.26	0.33	0	16.58
South West	Ondo	753.96	632.11	0	297.93	0	0.23	133.58
South West	Osun	912.68	708.81	0	335.04	0.3	0.55	213.49
South West	Oyo	1,304.69	849.65	0	29.76	0.76	0	5.83
South West	Zone total	5,394.91	3,479.64	2.38	818.39	1.89	1.36	427.73
Nigeria	Total	40,221.06	35,600.51	3.22	1052.8	2.18	39.23	484.46

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 10: Other crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Other crops									
				GINGER	ZOBO/HIBISCUS	CHILLI PEPPER (SHOMBO)	BITTER KOLA	LOCUST BEANS	AGBONO(ORO SEED)	RUBBER	BUSH MANGO	OTHER, TEMPORARY CROP (SPECIFY)	OTHER, PERMANENT CROP (SPECIFY)
				Number of households ('000)									
North Central	Benue	1,833.18	1,795.51	4.22	0	77.13	0.71	6.51	5.40	0	0.39	0	0
North Central	Fct	567.24	324.99	12.59	1.42	5.29	0	0	0	0	0	0	0
North Central	Kogi	900.59	848.02	0	0	7.84	0	2.78	0.6	0.2	2.56	0	0
North Central	Kwara	787.92	576.25	0	0	5.63	0.1	0	0	0	0	0.04	0
North Central	Nasarawa	778.07	750.11	1.73	0	2.32	0	1.94	0	0	0	0	0
North Central	Niger	1,450.12	1,374.95	2.53	0.1	2.61	0	1.34	0.00	0	0.1	0	0
North Central	Plateau	1,437.97	1,362.24	0.15	0.26	19.43	0	1.94	0.00	0	0.14	10.09	0
North Central	Zone total	7,755.09	7,032.07	21.21	1.78	120.26	0.81	14.50	6.01	0.2	3.18	10.13	0
North East	Adamawa	1,184.62	1,165.57	0	0	2.17	0	0.00	0.00	0	0	0	0
North East	Bauchi	1,942.25	1,930.47	0.11	9.64	2.72	0	0.00	0.00	0	0	0	0
North East	Borno	1,045.44	975.8	0	0	5.41	0	6.11	0	0	0	0	0
North East	Gombe	532.53	515.86	0	0	0.19	0	0	0	0	0	0	0
North East	Taraba	977.3	933.19	0.43	0	12.51	0	0.29	0	0.06	0.12	0	0
North East	Yobe	763.25	734.42	0	3.41	0.31	0	0.44	0	0	0	0	0
North East	Zone total	6,445.39	6,255.31	0.53	13.04	23.32	0	6.84	0.00	0.06	0.12	0	0
North West	Jigawa	1,187.32	1166.34	0	156.76	8.17	0	0.20	0	0	0	21.61	0
North West	Kaduna	1,996.61	1,879.42	230.43	0	62.25	0	2.30	0.00	0	0	3.22	0
North West	Kano	2,368.95	2,145.92	0.72	8.77	31.24	0	0.76	0.00	0	0	0	0.16
North West	Katsina	1,494.96	1,430.48	0	34.95	4.58	0	0.40	0.00	0	0	0	0
North West	Kebbi	1,175.38	1118.62	0	1.99	15.03	0	0.00	0	0	0	0	0
North West	Sokoto	1,250.62	1,205.08	0	0.24	9.34	0	2.82	0.00	0	0	0	0
North West	Zamfara	887.33	861.67	0.15	0.37	4.98	0	0	0	0	0	0	0
North West	Zone total	10,361.16	9,807.52	231.30	203.08	135.59	0	6.48	0.00	0.00	0	24.83	0.16
South East	Abia	911.26	870.04	5.88	0	9.43	8.14	5.94	0	0.3	0	0	0
South East	Anambra	1,072.20	983.21	2.4	0	0.37	0.21	0.63	0	0	0	0	0
South East	Ebonyi	886.9	881.41	0	0	0	0	0	1.65	0	6.16	0	0
South East	Enugu	909.29	881.16	0	0	5.9	0.35	0	7.39	0	0	0	0

Table 10: Other crops, number of agricultural holdings in the household sector, by Zone/Province level, major season, Agricultural Year 2022/2023.

Zone	State	Number of agricultural holdings in the household sector ('000)	Households reporting crops in the major season ('000)	Other crops									
				GINGER	ZOBO/HIBISCUS	CHILLI PEPPER (SHOMBO)	BITTER KOLA	LOCUST BEANS	AGBONO(ORO SEED)	RUBBER	BUSH MANGO	OTHER, TEMPORARY CROP (SPECIFY)	OTHER, PERMANENT CROP (SPECIFY)
				Number of households ('000)									
South East	Imo	1,191.77	1123.09	0	0	5.91	0.18	0.43	0.49	0	0	0.12	0.85
South East	Zone total	4,971.42	4,738.90	8.28	0	21.61	8.88	7.00	9.51	0.3	6.16	0.12	0.85
South South	Akwa Ibom	1,278.74	1,222.38	1.86	0	1.27	2.36	0.00	0.00	0.41	0	0.3	0.77
South South	Bayelsa	334.64	144.65	0.08	0	0.64	0	0	0.12	0.11	0	0	0
South South	Cross River	805.52	762.78	0	0	1.86	0.77	16.52	0	0	29.53	0	0.44
South South	Delta	949.8	819.27	0	0	13.1	0	0	0	3.35	0	0	0
South South	Edo	602.92	492.23	0	0	1.79	0	0	0.29	0.8	0	0	0
South South	Rivers	1,321.47	845.76	0.81	0	7.52	0	0.00	1.02	0.2	0	0	0
South South	Zone total	5,293.09	4,287.07	2.75	0	26.18	3.13	16.52	1.42	4.88	29.53	0.3	1.22
South West	Ekiti	477.57	412.76	0	0	8.61	1.39	0	0.21	0	0	0	0.08
South West	Lagos	764.68	164.74	0	0	0.5	0	0	0	0	0	0	0
South West	Ogun	1,181.33	711.58	0	0	6.11	0.12	0.00	0.00	2.03	0	0.21	0
South West	Ondo	753.96	632.11	0.4	0	10.39	1.92	0.16	0.86	1.05	0	0	0
South West	Osun	912.68	708.81	1.85	0	35.9	6.63	0	1.13	0	1.07	0	0.25
South West	Oyo	1,304.69	849.65	0.48	0.47	49.05	0	0.00	0.00	0	0	0	0
South West	Zone total	5,394.91	3,479.64	2.74	0.47	110.55	10.06	0.16	2.21	3.08	1.07	0.21	0.34
Nigeria	Total	40,221.06	35,600.51	266.80		437.51	22.87	51.49	19.15	8.52	40.06	35.59	2.56

Source: Nigeria Agricultural Sample Survey (OSS), 2023

Table 11A: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023.

		CROP 1: MAIZE					CROP 2: RICE				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	850.39	367,795.00	350399	393992917	1124	863.22	788,015.00	679,544.00	887937177	1307
North Central	Fct	266.34	153246	123738	160617819	1298	70.47	50844	42720	62425517	1461
North Central	Kogi	640.86	327793	309236	425714645	1377	139.58	163569	124576	218254059	1752
North Central	Kwara	398.11	307484	301490	500201088	1659	77.02	92255	84486	157305702	1862
North Central	Nasarawa	520.48	416547	360178	421367495	1170	191.65	289416	227488	315397073	1386
North Central	Niger	996.04	1,283,121.00	1243297	1467707747	1180	445.07	945,920.00	897,908.00	1223846720	1363
North Central	Plateau	1,077.79	852,244.00	749919	976793518	1303	372.6	333,408.00	290,394.00	448852547	1546
North Central	Zone total	4,750.01	3,708,230.00	3438256	4346395228	1264	2159.62	2,663,428.00	2,347,115.00	3314018796	1412
North East	Adamawa	963.37	1,258,814.00	1015178	1323914291	1304	566.51	692,483.00	571,173.00	825998823	1446
North East	Bauchi	735.41	767,544.00	719213	969883580	1349	756.29	977,106.00	859,697.00	1288339877	1499
North East	Borno	554.20	406759	310792	426324749	1372	174.44	120,413.00	98328	151135900	1537
North East	Gombe	313.61	508645	446117	553741009	1241	150.16	272972	255111	348044605	1364
North East	Taraba	745.17	1155103	1067752	1408416800	1319	375.2	794310	644760	957332177	1485
North East	Yobe	68.42	112923	108041	124226659	1150	77	140443	95773	136154076	1422
North East	Zone total	3,380.18	4,209,788.00	3,667,092.00	4806507089	1311	2099.6	2,997,726.00	2,524,842.00	3,707,005,457.00	1468
North West	Jigawa	117.54	92603	59534	81163660	1363	360.39	546,706.00	298814	472957255	1583
North West	Kaduna	1,695.53	1,752,899.00	1641370	2803578551	1708	1016.02	982,464.00	923,406.00	1638799461	1775
North West	Kano	1,289.39	1,181,727.00	1074039	1516052181	1412	861.59	1,095,938.00	1,034,816.00	1629576309	1575
North West	Katsina	750.73	351,539.00	344287	705743051	2050	248.08	112,355.00	111,310.00	232263573	2087
North West	Kebbi	448.42	375172	302208	501089698	1658	475.61	495,311.00	424231	761695247	1795
North West	Sokoto	291.55	85,388.00	82917	163586077	1973	275.46	117,285.00	113,821.00	220379846	1936
North West	Zamfara	447.18	220705	214694	347309769	1618	247.86	99000	97309	195883300	2013
North West	Zone total	5,040.34	4,060,033.00	3,719,049.00	6118522986	1645	3485	3,449,058.00	3,003,707.00	5,151,554,990.00	1715
South East	Abia	738.79	53130	52105	83364358	1600	11.49	4911	4826	6209755	1287
South East	Anambra	602.51	27459	26834	53167589	1981	50.61	24,420.00	19802	47768202	2412
South East	Ebonyi	438.63	21302	20724	28070069	1355	327.63	141327	121856	188501426	1547
South East	Enugu	495.24	31681	31216	44970366	1441	65.69	37748	35270	65515770	1858

Table 11A: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023.

		CROP 1: MAIZE					CROP 2: RICE				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South East	Imo	826.97	41507	40528	65700907	1621	0	-	-	-	-
South East	Zone total	3,102.13	175,078.00	171407	275273289	1606	455.42	208,406.00	181,754.00	307995153	1695
South South	Akwa Ibom	680.93	26,363.00	25285	41037780	1623	15.69	8,252.00	8,100.00	9281546	1146
South South	Bayelsa	19.73	2324	1940	3235803	1668	1.13	(S)	(S)	(S)	(S)
South South	Cross River	251.05	29424	27205	39999998	1470	171.32	329221	268492	417856531	1556
South South	Delta	408.6	164152	150485	178473950	1186	7.93	(S)	(S)	(S)	(S)
South South	Edo	204.27	109197	104339	131150331	1257	13.74	17845	15541	23112098	1487
South South	Rivers	379.41	46,947.00	44977	96535403	2146	3.56	(S)	(S)	(S)	(S)
South South	Zone total	1,943.99	378,406.00	354232	490433266	1384	213.36	369,438.00	300,823.00	470705632	1565
South West	Ekiti	226.45	41145	36503	86446298	2368	15.17	12363	11117	22021531	1981
South West	Lagos	75.22	11080	10074	15475882	1536	1.29	(S)	(S)	(S)	(S)
South West	Ogun	346.74	92,348.00	88404	154636196	1749	5.13	3,746.00	3,453.00	5347037	1549
South West	Ondo	333.12	77905	77426	119065938	1538	0.93	(S)	(S)	(S)	(S)
South West	Osun	475.38	159999	151669	224187424	1478	3.01	(S)	(S)	(S)	(S)
South West	Oyo	669.29	587,541.00	543527	712057551	1310	28.14	48,626.00	42,968.00	56884382	1324
South West	Zone total	2,126.19	970,017.00	907602	1311869289	1445	53.67	68,476.00	61,008.00	90035448	1476
Nigeria	Total	20,342.85	13,501,553.00	12,257,638.00	17349001147	1415	8466.69	9,756,533.00	8,419,250.00	13,041,315,476.00	1549

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) YAM includes WHITEYAM, YELLOWYAM, WATERYAM, THREELEAVEYAM

Table 11B: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 3: CASSAVA					CROP 4: YAM (4)				
Zone	State	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	1,502.31	681,996.00	681996	2706755000	4778	1526.16	955,028.00	899,935.00	5774600332	6417
North Central	Fct	73.31	44768	44768	113783600	4080	93.59	49026	39243	181994802	4638
North Central	Kogi	675.38	263945	263945	1521388000	4691	329.23	169342	153064	703516697	4596
North Central	Kwara	234.6	153806	153806	651402100	5333	202.47	138272	123656	771852167	6242
North Central	Nasarawa	176.61	169717	169717	586860100	3198	193.92	160181	143052	945463202	6609
North Central	Niger	128.80	121,780.00	121780	418377100	4312	278.92	241,466.00	231,448.00	987760659	4268
North Central	Plateau	45.65	9,841.00	9841	47340370	3706	299.15	345,108.00	326,581.00	1949545040	5970
North Central	Zone total	2,836.65	1,445,852.00	1445852	6045907000	4540	2923.43	2,058,423.00	1,916,980.00	11314732899	5902
North East	Adamawa	28.90	10,438.00	10438	46640610	4502	26.52	27,164.00	26,714.00	178457055	6680
North East	Bauchi	37.48	20,885.00	20885	54226640	3968	4.03	(S)	(S)	(S)	(S)
North East	Borno	1.05	(S)	(S)	(S)	(S)	0.29	(S)	(S)	(S)	(S)
North East	Gombe	2.73	(S)	(S)	(S)	(S)	0	-	-	-	-
North East	Taraba	271.14	206579	206579	587001800	3077	178.37	145342	125871	611291997	4856
North East	Yobe	1.19	(S)	(S)	(S)	(S)	0.26	(S)	(S)	(S)	(S)
North East	Zone total	342.48	241,864.00	241,864.00	704298700	3311	209.46	178,226.00	158,303.00	908,450,180.00	5739
North West	Jigawa	16.13	7110	7110	18167500	(S)	0.43	(S)	(S)	(S)	(S)
North West	Kaduna	67.51	34,125.00	34125	114395900	3492	106.62	61,461.00	56,894.00	286567842	5037
North West	Kano	94.74	62,059.00	62059	321135100	6467	1.69	(S)	(S)	(S)	(S)
North West	Katsina	52.34	20,383.00	20383	33685350	3259	0.45	(S)	(S)	(S)	(S)
North West	Kebbi	41.82	8066	8066	41187840	4235	0	-	-	-	-
North West	Sokoto	51.30	3,929.00	3929	50201560	7570	0.86	(S)	(S)	(S)	(S)
North West	Zamfara	4.54	(S)	(S)	(S)	(S)	1.51	(S)	(S)	(S)	(S)
North West	Zone total	328.39	136,180.00	136,180.00	582845700	4834	111.57	63,609.00	58,897.00	293,904,136.00	4990
South East	Abia	845.59	35930	35930	330739100	3524	450.39	36734	35142	154949057	4409
South East	Anambra	885.90	98256	98256	314485800	6081	502.58	31,659.00	28994	282209516	9733
South East	Ebonyi	811.89	53636	53636	268971400	4517	788.74	144353	136171	925522282	6797
South East	Enugu	821.65	41049	41049	287251500	5013	426.53	55064	51561	191229692	3709
South East	Imo	1,105.80	70998	70998	280922400	6382	415.9	52,734.00	52164	137136107	2629

Table 11B: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 3: CASSAVA					CROP 4: YAM (4)				
Zone	State	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South East	Zone total	4,470.83	299,868.00	299868	1482370000	5398	2584.13	320,544.00	304,032.00	1691046655	5562
South South	Akwa Ibom	1,126.90	41,682.00	41682	659022200	4955	348.1	16,422.00	15,683.00	63149576	4027
South South	Bayelsa	131.43	49473	49473	285539500	5092	42.78	9064	5679	26980554	4751
South South	Cross River	654.22	151007	151007	695895800	21265	456.4	215973	197054	1205266005	6116
South South	Delta	768.41	525777	525777	2452529000	4100	317.45	158706	139551	528558816	3788
South South	Edo	398.66	212077	212077	883381100	3253	153.31	107817	96449	481704349	4994
South South	Rivers	794.15	285,849.00	285849	1228432000	3901	229.43	47,193.00	42,901.00	226938537	5290
South South	Zone total	3,873.77	1,265,865.00	1265865	6204800000	4431	1547.47	555,174.00	497,317.00	2532597838	5093
South West	Ekiti	334.03	87669	87669	354939400	11310	229.04	55393	25225	355491632	14093
South West	Lagos	109.08	22218	22218	176932500	9127	20.59	2045	1198	7387462	6168
South West	Ogun	607.64	269,546.00	269546	1139207000	6143	74.95	9,640.00	8,180.00	34191555	4180
South West	Ondo	491.29	138473	138473	961958900	10189	263.91	59291	46436	246160778	5301
South West	Osun	535.72	184210	184210	1377085000	7871	225.27	81063	56522	228998298	4051
South West	Oyo	678.23	643,110.00	643110	2872122000	5927	272.54	265,377.00	221,074.00	1086469908	4915
South West	Zone total	2,755.99	1,345,225.00	1345225	6882245000	6972	1086.3	472,808.00	358,635.00	1958699633	5462
Nigeria	Total	14,608.10	4,734,855.00	4,734,855.00	21902470000	5280	8462.37	3,648,784.00	3,294,165.00	18,699,431,341.00	5677

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) YAM includes WHITEYAM, YELLOWYAM, WATERYAM, THREELEAVEYAM

Table 11C: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 5: SWEET POTATOES					CROP 6: OKRO				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	252.35	42,148.00	39408	56652837	1438	167.53	40,502.00	37,981.00	45841046	1207
North Central	Fct	27.65	6055	4452	11334732	2546	32.65	15134	1800	2463971	1369
North Central	Kogi	48.5	17328	15872	31994725	2016	115.38	31309	30826	29633697	961
North Central	Kwara	19.72	7319	7004	11502085	1642	17.39	5537	4999	48003326	9603
North Central	Nasarawa	24.87	9591	8123	11361253	1399	18.78	5962	5256	4449762	847
North Central	Niger	33.31	30,209.00	29994	38781307	1293	33.81	27,454.00	26,264.00	23825471	907
North Central	Plateau	125.03	32,533.00	29974	59671469	1991	57.24	13,887.00	13,298.00	12210423	918
North Central	Zone total	531.43	145,184.00	134828	221298407	1641	442.77	139,784.00	120,425.00	166427696	1382
North East	Adamawa	8.90	(S)	(S)	(S)	(S)	28.77	10,523.00	10,128.00	11602992	1146
North East	Bauchi	19.94	8,931.00	8820	20917635	2372	24.17	17,970.00	7,844.00	28814255	3673
North East	Borno	2.54	(S)	(S)	(S)	(S)	62.49	19,042.00	17893	21253134	1188
North East	Gombe	1.56	(S)	(S)	(S)	(S)	2.4	(S)	(S)	(S)	(S)
North East	Taraba	55.24	27232	25354	38737460	1528	43.57	51018	48735	41645217	855
North East	Yobe	0.81	(S)	(S)	(S)	(S)	4.38	(S)	(S)	(S)	(S)
North East	Zone total	88.99	42,348.00	39,790.00	72168223	1814	165.79	103,162.00	88,540.00	109,291,002.00	1234
North West	Jigawa	4.78	(S)	(S)	(S)	(S)	7.89	(S)	(S)	(S)	(S)
North West	Kaduna	160.59	79,198.00	77466	158132727	2041	43.87	43,266.00	40,858.00	70500314	1726
North West	Kano	72.20	80,172.00	78271	142280670	1818	71.95	62,806.00	53,642.00	69755843	1300
North West	Katsina	44.50	21,268.00	19725	34565142	1752	26.58	4,920.00	4,504.00	14641580	3251
North West	Kebbi	18.22	4203	3562	9074346	2548	13.97	4,867.00	4867	6589879	1354
North West	Sokoto	21.49	5,911.00	5260	11955649	2273	22.69	6,723.00	6,638.00	10279586	1549
North West	Zamfara	81.53	50411	49571	87634019	1768	6.45	(S)	(S)	(S)	(S)
North West	Zone total	403.31	243,783.00	236,279.00	448069569	1896	193.39	135,838.00	119,569.00	190,782,886.00	1596
South East	Abia	12.76	(S)	(S)	(S)	(S)	255.86	15317	15230	14615923	960
South East	Anambra	27.14	1715	1476	3636413	2464	89.02	3,874.00	3342	6308396	1887
South East	Ebonyi	69.9	10981	10902	17709128	1624	261.94	11610	11388	11635774	1022
South East	Enugu	33.56	3587	3532	6587085	1865	136.38	11004	10397	17074127	1642
South East	Imo	4.05	(S)	(S)	(S)	(S)	204.84	5,717.00	5559	6416649	1154

Table 11C: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 5: SWEET POTATOES					CROP 6: OKRO				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South East	Zone total	147.41	17,512.00	17057	30016529	1760	948.03	47,522.00	45,916.00	56050869	1221
South South	Akwa Ibom	24.18	377.00	348	955622	2750	265.2	6,773.00	6,477.00	8643935	1335
South South	Bayelsa	35	4884	3755	8452123	2251	18.63	19557	17065	14606216	856
South South	Cross River	24.27	5413	5039	9925927	1970	106.56	14688	9369	15970346	1705
South South	Delta	68.61	17727	14546	27103774	1863	137.58	101980	95687	178909217	1870
South South	Edo	3.27	(S)	(S)	(S)	(S)	15.17	7034	6995	5257396	752
South South	Rivers	11.96	1,096.00	981	3038404	3096	166.77	15,040.00	14,686.00	28065963	1911
South South	Zone total	167.29	30,355.00	25161	50304052	1999	709.91	165,071.00	150,279.00	251453074	1673
South West	Ekiti	10.69	1360	(S)	(S)	(S)	17.35	1213	1171	2639718	2253
South West	Lagos	10.93	(S)	(S)	(S)	(S)	16.62	1046	(S)	(S)	(S)
South West	Ogun	13.59	1,685.00	1672	3858556	2308	37.93	3,708.00	2,113.00	3782312	1790
South West	Ondo	7.5	(S)	(S)	(S)	(S)	38.25	4481	4245	5448998	1284
South West	Osun	33.97	18816	18215	28804154	1581	85.62	16713	16033	17579394	1096
South West	Oyo	33.25	18,786.00	12405	24632031	1986	35.89	14,860.00	11,801.00	10522872	892
South West	Zone total	109.93	41,581.00	34147	61307113	1795	231.66	42,020.00	35,692.00	41538085	1164
Nigeria	Total	1,448.36	520,762.00	487,262.00	883163894	1813	2691.56	633,397.00	560,421.00	815,543,611.00	1455

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) YAM includes WHITEYAM, YELLOWYAM, WATERYAM, THREELEAVEYAM

Table 11D: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 7: CHILLIPEPPER(SHOMBO)					CROP 8: TOMATO				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	142.34	49,463.00	47937	80630522	1682	184.57	80,106.00	76,967.00	47236760	614
North Central	Fct	17.42	9642	3066	15167301	4948	11.67	(S)	(S)	(S)	(S)
North Central	Kogi	96.27	22256	20885	35429616	1696	63.08	25007	24463	25735980	1052
North Central	Kwara	17.16	6416	6222	33743321	5423	17.02	6784	6510	102589800	15759
North Central	Nasarawa	13.91	3748	2779	7292625	2624	16.64	10730	10620	115917800	10915
North Central	Niger	37.42	15,729.00	15107	26144307	1731	10.06	41,841.00	24,782.00	31630460	1276
North Central	Plateau	22.72	5,831.00	5628	11286134	2006	58.89	39,257.00	31,299.00	124468200	3977
North Central	Zone total	347.23	113,083.00	101623	209693827	2063	361.93	231,397.00	177,588.00	449454800	2531
North East	Adamawa	7.15	(S)	(S)	(S)	(S)	3.25	(S)	(S)	(S)	(S)
North East	Bauchi	9.69	18,318.00	6725	11145491	1657	20.66	41,179.00	20,286.00	45558590	2246
North East	Borno	4.34	(S)	(S)	(S)	(S)	11.31	2,590.00	2589	2377591	918
North East	Gombe	2.29	(S)	(S)	(S)	(S)	5.77	4871	(S)	(S)	(S)
North East	Taraba	31.74	37834	33451	52397909	1566	7.2	4132	3835	3465849	904
North East	Yobe	1.92	(S)	(S)	(S)	(S)	2.27	(S)	(S)	(S)	(S)
North East	Zone total	57.12	68,972.00	50,815.00	82205547	1618	50.45	55,218.00	32,453.00	55,977,090.00	1725
North West	Jigawa	18.27	54815	45071	93685812	2079	8.22	19,136.00	(S)	(S)	(S)
North West	Kaduna	62.12	53,220.00	48209	198382780	4115	70.8	72,640.00	65,700.00	88802820	1352
North West	Kano	133.67	158,527.00	146269	229697542	1570	108.09	172,674.00	163,783.00	123938800	757
North West	Katsina	4.01	(S)	(S)	(S)	(S)	21.68	6,965.00	6,955.00	18293080	2630
North West	Kebbi	18.29	18621	12065	49898758	4136	15.63	16,282.00	10416	7553845	725
North West	Sokoto	36.38	21,555.00	20527	39325769	1916	41.47	52,075.00	17,698.00	21190820	1197
North West	Zamfara	8.27	1544	1425	4310283	3024	8.08	2364	(S)	(S)	(S)
North West	Zone total	281.01	310,068.00	275,352.00	617946396	2244	273.97	342,136.00	281,212.00	265,976,001.00	946
South East	Abia	111.8	4127	4057	9603661	2367	12.54	346	335	611772	1826
South East	Anambra	23.34	1050	1002	7231501	7215	51.77	2,710.00	2680	5987514	2234
South East	Ebonyi	193.88	8387	8124	12771753	1572	2.17	(S)	(S)	(S)	(S)
South East	Enugu	54.37	4778	4596	12051145	2622	28.17	4835	4798	6533950	1362
South East	Imo	23.68	421	318	1024636	3221	5.28	(S)	(S)	(S)	(S)

Table 11D: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 7: CHILLIPEPPER(SHOMBO)					CROP 8: TOMATO				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South East	Zone total	407.07	18,762.00	18097	42682697	2359	99.91	8,156.00	8,059.00	13539570	1680
South South	Akwa Ibom	137.90	3,782.00	2948	6013543	2040	11.63	(S)	(S)	(S)	(S)
South South	Bayelsa	25.99	13439	4805	8690729	1809	0.43	(S)	(S)	(S)	(S)
South South	Cross River	56.82	15824	11216	25815645	2302	7.28	(S)	(S)	(S)	(S)
South South	Delta	117.27	39759	36034	54764342	1520	48.07	21969	19414	69442070	3577
South South	Edo	12.67	10797	9843	15029350	1527	14.01	10616	10440	5457909	523
South South	Rivers	43.87	4,190.00	3551	7304870	2057	1.75	(S)	(S)	(S)	(S)
South South	Zone total	394.53	87,791.00	68396	117618480	1720	83.17	34,614.00	31,732.00	79400850	2502
South West	Ekiti	54.44	7736	6632	12831374	1935	49.49	13185	11148	133454600	11972
South West	Lagos	3.59	(S)	(S)	(S)	(S)	6.85	(S)	(S)	(S)	(S)
South West	Ogun	75.21	10,765.00	9897	18262867	1845	68.67	12,324.00	11,887.00	22392400	1884
South West	Ondo	59.16	5519	5246	10057516	1917	64.1	7796	7399	34489690	4661
South West	Osun	107.56	17216	16694	127835619	7658	107.44	24776	23960	45880020	1915
South West	Oyo	111.56	43,140.00	36039	93394572	2592	124.59	72,706.00	68,735.00	92006290	1339
South West	Zone total	411.51	85,264.00	75389	468801043	6218	421.15	133,535.00	124,283.00	336957226	2711
Nigeria	Total	1,898.45	683,941.00	589,671.00	1538947990	2610	1290.59	805,057.00	655,327.00	1,201,305,536.00	1833

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) YAM includes WHITEYAM, YELLOWYAM, WATERYAM, THREELAVEYAM

Table 11E: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 9: CASHEW					CROP 10: COCOA				
Zone	State	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
North Central	Benue	31.06	7,110.00	7110	3080898	(S)	0	-	-	-	-
North Central	Fct	3.14	(S)	(S)	(S)	(S)	0.91	(S)	(S)	(S)	(S)
North Central	Kogi	192.21	124871	124871	56167130	293	0.99	(S)	(S)	(S)	(S)
North Central	Kwara	28.09	9599	9599	7545262	496	3.66	(S)	(S)	(S)	(S)
North Central	Nasarawa	1.31	(S)	(S)	(S)	(S)	0	-	-	-	-
North Central	Niger	2.47	(S)	(S)	(S)	(S)	0	-	-	-	-
North Central	Plateau	12.54	(S)	(S)	(S)	(S)	0	-	-	-	-
North Central	Zone total	270.83	143,839.00	143839	67744510	303	5.56	(S)	(S)	1021857	(S)
North East	Adamawa	1.91	(S)	(S)	(S)	(S)	0.26	(S)	(S)	(S)	(S)
North East	Bauchi	0.48	(S)	(S)	(S)	(S)	0	-	-	-	-
North East	Borno	0.00	-	-	-	-	0	-	-	-	-
North East	Gombe	0	-	-	-	-	0	-	-	-	-
North East	Taraba	2.55	(S)	(S)	(S)	(S)	12.31	9020	9020	4003905	512
North East	Yobe	0	-	-	-	-	0	-	-	-	-
North East	Zone total	4.94	(S)	(S)	(S)	(S)	12.57	9,020.00	9,020.00	4,003,905.00	(S)
North West	Jigawa	0.00	-	-	-	-	0	-	-	-	-
North West	Kaduna	1.15	(S)	(S)	(S)	(S)	0	-	-	-	-
North West	Kano	0.91	(S)	(S)	(S)	(S)	0	-	-	-	-
North West	Katsina	0.00	-	-	-	-	0	-	-	-	-
North West	Kebbi	0.46	(S)	(S)	(S)	(S)	0	-	-	-	-
North West	Sokoto	0.00	-	-	-	-	0	-	-	-	-
North West	Zamfara	0.21	(S)	(S)	(S)	(S)	0	-	-	-	-
North West	Zone total	2.73	(S)	(S)	(S)	(S)	0	-	-	-	-
South East	Abia	4.77	(S)	(S)	(S)	(S)	5.37	(S)	(S)	(S)	(S)
South East	Anambra	0.51	(S)	(S)	(S)	(S)	0	-	-	-	-
South East	Ebonyi	6.01	(S)	(S)	(S)	(S)	0	-	-	-	-
South East	Enugu	10.89	(S)	(S)	(S)	(S)	0	-	-	-	-

Table 11E: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 9: CASHEW					CROP 10: COCOA				
Zone	State	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
South East	Imo	0.94	(S)	(S)	(S)	(S)	0	-	-	-	-
South East	Zone total	23.13	(S)	(S)	441211	210	5.37	(S)	(S)	(S)	(S)
South South	Akwa Ibom	1.85	(S)	(S)	(S)	(S)	17.47	(S)	(S)	(S)	(S)
South South	Bayelsa	0	-	-	-	-	0.56	(S)	(S)	(S)	(S)
South South	Cross River	0.5	(S)	(S)	(S)	(S)	148.48	52171	52171	110035800	427
South South	Delta	1.88	(S)	(S)	(S)	(S)	2.62	(S)	(S)	(S)	(S)
South South	Edo	14.66	25764	25764	5612114	195	41	60117	60117	20447650	286
South South	Rivers	0.00	-	-	-	-	0.79	(S)	(S)	(S)	(S)
South South	Zone total	18.90	26,372.00	26372	5700365	195	210.92	115,769.00	115,769.00	131468300	356
South West	Ekiti	7.45	(S)	(S)	(S)	(S)	105.27	98258	98258	34297840	401
South West	Lagos	1.52	(S)	(S)	(S)	(S)	2.13	(S)	(S)	(S)	(S)
South West	Ogun	11.70	4,338.00	4338	1246099	323	48.26	33,542.00	33,542.00	14775940	412
South West	Ondo	18.2	(S)	(S)	673976	(S)	297.93	204217	204217	113126600	392
South West	Osun	70.85	29418	29418	14585340	261	335.04	237927	237927	195555000	435
South West	Oyo	160.41	248,369.00	248369	59818950	240	29.76	19,010.00	19,010.00	7314775	439
South West	Zone total	270.13	286,200.00	286200	77605090	245	818.39	593,197.00	593,197.00	365127100	413
Nigeria	Total	590.66	458,825.00	458,825.00	152014300	261	1052.8	722,266.00	722,266.00	501,928,900.00	405

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) YAM includes WHITEYAM, YELLOWYAM, WATERYAM, THREELEAVEYAM

Table 11F: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 11: OIL PALM TREE				
Zone	State	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
North Central	Benue	184.57	80,106.00	76967	47236760	614
North Central	Fct	11.67	(S)	(S)	(S)	(S)
North Central	Kogi	63.08	25007	24463	25735980	1052
North Central	Kwara	17.02	(S)	(S)	(S)	(S)
North Central	Nasarawa	16.64	(S)	(S)	(S)	(S)
North Central	Niger	10.06	(S)	(S)	(S)	(S)
North Central	Plateau	58.89	(S)	(S)	(S)	(S)
North Central	Zone total	361.93	231,397.00	177588	449454800	2531
North East	Adamawa	3.25	(S)	(S)	(S)	(S)
North East	Bauchi	20.66	(S)	(S)	(S)	(S)
North East	Borno	11.31	(S)	(S)	(S)	(S)
North East	Gombe	5.77	(S)	(S)	(S)	(S)
North East	Taraba	7.2	4132	3835	3465849	904
North East	Yobe	2.27	1145	1059	837169	(S)
North East	Zone total	50.45	55,218.00	32,453.00	55977090	1725
North West	Jigawa	8.22	(S)	(S)	(S)	(S)
North West	Kaduna	70.80	(S)	(S)	(S)	(S)
North West	Kano	108.09	(S)	(S)	(S)	(S)
North West	Katsina	21.68	(S)	(S)	(S)	(S)
North West	Kebbi	15.63	(S)	(S)	(S)	(S)
North West	Sokoto	41.47	(S)	(S)	(S)	(S)
North West	Zamfara	8.08	(S)	(S)	(S)	(S)
North West	Zone total	273.97	(S)	(S)	(S)	(S)
South East	Abia	12.54	346	335	611772	1826
South East	Anambra	51.77	(S)	(S)	5987514	(S)
South East	Ebonyi	2.17	(S)	(S)	265854	(S)

Table 11F: Main 9 crops highly cultivated in all Nigeria, number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the major season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 11: OIL PALM TREE				
Zone	State	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
South East	Enugu	28.17	4835	4798	6533950	1362
South East	Imo	5.28	131	111	140480	1261
South East	Zone total	99.91	8,156.00	8059	13539570	1680
South South	Akwa Ibom	11.63	907.00	826	2398594	2905
South South	Bayelsa	0.43	(S)	(S)	(S)	(S)
South South	Cross River	7.28	896	835	1823529	2184
South South	Delta	48.07	21969	19414	591945600	30491
South South	Edo	14.01	10616	10440	5457909	523
South South	Rivers	1.75	205.00	205	183983	899
South South	Zone total	83.17	34,614.00	31732	601904400	18968
South West	Ekiti	49.49	13185	11148	133454600	11972
South West	Lagos	6.85	(S)	(S)	(S)	(S)
South West	Ogun	68.67	12,324.00	11887	22392400	1884
South West	Ondo	64.1	7796	7399	34489690	4661
South West	Osun	107.44	24776	23960	45880020	1915
South West	Oyo	124.59	72,706.00	68735	92006290	(S)
South West	Zone total	421.15	133,535.00	124283	336957200	2711
Nigeria	Total	1,290.59	805,057.00	655,327.00	1723809000	2630

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) YAM includes WHITEYAM, YELLOWYAM, WATERYAM, THREELEAVEYAM

Table 12A: Crops (main 37 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, major season, by Zone, Agricultural Year 2022/2023.

Crop	NIGERIA					NORTH CENTRAL				
	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
BEANS/COWPEA	9,490.30	5,535,586	4,926,684	4,475,665,155	908	1,980.71	1,305,471	1,152,726	898,955,500	780
CASSAVA	14,608.11	4,734,855	4,578,175	21,902,466,163	5,280	2,836.66	1,445,852	1,445,852	6,045,907,000	4,540
COCOYAM	2,940.22	316,430	269,083	518,349,984	1,926	129.72	40,203	37,700	48,112,100	1,276
GROUNDNUT/PEANUTS	6,673.31	4,595,502	4,279,363	4,231,093,340	989	2,067.09	1,607,976	1,549,633	1,417,426,000	915
GUINEA CORN/SORGHUM	10,494.69	8,231,752	7,465,495	7,998,660,974	1,071	2,088.04	1,599,982	1,440,469	1,500,283,000	1,042
MAIZE	20,342.85	13,501,553	12,257,638	17,349,001,147	1,415	4,750.01	3,708,230	3,438,256	4,346,395,000	1,264
MELON/EGUSI	1,493.49	563,620	487,671	158,384,557	325	403.8	365,675	316,540	104,655,700	331
MILLET/MAIWA	7,730.77	6,524,206	5,961,587	6,163,004,160	1,034	646.54	600,539	543,072	487,321,500	897
RICE	8,466.69	9,756,533	8,419,250	13,041,315,476	1,549	2,159.62	2,663,428	2,347,115	3,314,019,000	1,412
WHITEYAM	7,776.28	3,342,684	3,016,831	17,238,166,454	5,714	2,868.61	1,941,233	1,806,358	10,736,690,000	5,944
YELLOWYAM	315.02	64,645	59,216	241,442,801	4,077	48.36	17,358	16,503	64,654,600	3,918
WATERYAM	1,169.93	213,909	193,455	1,100,984,205	5,691	297.73	95,539	91,112	495,671,600	5,440
THREELEAVEYAM	410.71	27,545	24,663	118,837,881	4,818	12.72	4,292	3,008	17,717,630	5,891
BANANA	1,417.33	91,560	91,560	1,124,137,967	6,249	99.86	25,369	25,369	94,445,080	3,652
BEENI- SEED/SESAME	1,247.20	951,969	829,719	412,887,269	498	281.23	253,447	209,920	101,523,900	484
CUCUMBER	326.69	68,301	63,214	331,159,699	5,239	11.02	(S)	(S)	(S)	(S)
OKRO	2,691.56	633,397	560,421	815,543,611	1,455	442.77	139,784	120,425	166,427,700	1,382
ONION	474.92	531,499	431,736	879,332,099	2,037	52.91	12,870	9,289	15,966,220	1,719
SWEET/BELLPEPPER(TATASHE)	143.51	77,567	70,619	251,593,721	3,563	49.93	22,379	19,296	136,904,200	7,095
SMALLPEPPER(RODO)	1,898.46	683,941	589,671	1,538,947,990	2,610	347.23	113,083	101,623	209,693,800	2,063
PINEAPPLE	351.22	29,659	29,659	820,270,016	8,284	7	(S)	(S)	(S)	(S)
PLANTAIN	2,583.05	315,016	315,016	2,929,972,273	5,471	66.86	25,797	25,798	177,518,300	4,533
IRISH POTATO	309	118,534	98,045	228,405,982	2,330	281.47	101,978	83,361	196,966,200	2,363
SWEET POTATO	1,448.36	520,762	487,262	883,163,894	1,813	531.43	145,184	134,828	221,298,400	1,641
PUMPKIN ⁽⁴⁾	2,425.21	246,659	138,424	219,209,714	1,584	19.33	3,913	(S)	(S)	(S)
GREEN VEGETABLE	979.21	190,821	165,489	82,155,270	496	97.56	24,648	16,039	10,948,260	683
SOYA BEANS	3,465.04	2,695,941	2,492,867	2,425,990,448	973	1,241.91	1,132,058	1,055,472	956,424,300	906
SUGARCANE	222.82	165,222	81,726	1,177,824,666	14,412	23.51	17,791	17,356	255,989,100	14,749
TOMATO	1,290.59	805,057	655,327	1,201,305,537	1,833	361.93	231,397	177,588	449,454,800	2,531

Table 12A: Crops (main 37 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, major season, by Zone, Agricultural Year 2022/2023.

Crop	NIGERIA					NORTH CENTRAL				
	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
CASHEW	590.66	458,825	458,825	152,014,262	261	270.83	143,839	143,839	67,744,510	303
CHILLIPEPPER(SHOMBO)	437.51	253,514	227,708	131,989,191	580	120.26	35,910	29,119	22,216,190	763
COCOA	1,052.80	722,266	722,266	501,928,866	405	5.56	(S)	(S)	1,021,857	(S)
COCONUT	264.22	5,290	5,290	12,634,603	1,382	9.93	(S)	(S)	(S)	(S)
MANGO	463.61	42,526	42,526	293,606,595	3,890	185.89	14,781	14,781	120,190,500	5,220
ORANGE	796.27	97,545	97,545	2,798,081,068	18,257	353.12	82,800	82,800	1,748,883,000	18,260
OILPALMTREE	1,697.08	659,297	659,297	4,167,807,084	4,747	141.43	42,641	42,641	185,621,900	3,844
PAWPAW	319.3	4,028	4,028	167,006,607	7,269	42.19	(S)	(S)	30,958,920	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 12B: Crops (main 37 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, major season, by Zone, Agricultural Year 2022/2023. Cont'd										
Crop	NORTH EAST					NORTH WEST				
	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
BEANS/COWPEA	2,800.68	2,049,484	1,785,242	1,543,970,898	865	4,415.10	2,096,114	1,915,543	1,968,798,083	1,028
CASSAVA	342.48	241,864	241,864	704,298,714	3,311	328.39	136,180	136,180	582,845,661	4,834
COCOYAM	45.17	23,820	22,493	17,082,903	759	39.49	24,111	22,487	35,713,890	1,588
GROUNDNUT/PEANUTS	1,962.99	1,540,644	1,383,094	1,471,997,307	1,064	2,320.02	1,335,608	1,244,340	1,244,933,872	1,000
GUINEA CORN/SORGHUM	2,790.58	2,874,549	2,604,922	2,649,506,548	1,017	5,549.85	3,691,842	3,368,528	3,792,068,440	1,126
MAIZE	3,380.18	4,209,788	3,667,092	4,806,507,089	1,311	5,040.34	4,060,033	3,719,049	6,118,522,986	1,645
MELON/EGUSI	63.68	87,372	68,027	23,428,452	344	12.28	8,581	7,490	1,949,780	260
MILLET/MAIWA	2,057.66	2,610,061	2,388,669	2,293,077,760	960	4,973.41	3,282,407	3,001,851	3,359,365,997	1,119
RICE	2,099.60	2,997,726	2,524,842	3,707,005,457	1,468	3,485.00	3,449,058	3,003,707	5,151,554,990	1,715
WHITEYAM	204.95	175,620	155,831	896,796,879	5,755	107.49	59,616	54,923	274,489,447	4,998
YELLOWYAM	1.49	(S)	(S)	(S)	(S)	1.38	(S)	(S)	(S)	(S)
WATERYAM	3.25	(S)	(S)	(S)	(S)	2.28	(S)	(S)	(S)	(S)
THREELEAVEYAM	0	-	-	-	-	0.41	(S)	(S)	(S)	(S)
BANANA	40.54	9,160	9,160	38,799,723	3,682	16.34	(S)	(S)	30,240,227	(S)
BEENI- SEED/SESAME	453.75	442,084	398,313	192,707,156	484	469.07	231,288	201,122	111,437,072	554
CUCUMBER	5.54	(S)	(S)	(S)	(S)	5.33	(S)	(S)	(S)	(S)
OKRO	165.79	103,162	88,540	109,291,002	1,234	193.4	135,838	119,569	190,782,886	1,596
ONION	28.7	35,225	26,303	48,682,021	1,851	387.11	482,528	395,535	812,987,397	2,055
SWEET/BELLPEPPER(TATASHE)	9.33	2,993	2,917	8,255,606	2,830	48.4	44,351	42,032	79,263,837	1,886
SMALLPEPPER(RODO)	57.12	68,972	50,815	82,205,547	1,618	281.01	310,068	275,352	617,946,396	2,244
PINEAPPLE	1.21	(S)	(S)	(S)	(S)	0.62	(S)	(S)	(S)	(S)
PLANTAIN	13.18	2,207	2,208	19,305,753	(S)	1.59	(S)	(S)	(S)	(S)
IRISH POTATO	15.99	10,786	8,938	18,664,475	2,088	3.25	(S)	(S)	(S)	(S)
SWEET POTATO	88.99	42,348	39,790	72,168,223	1,814	403.31	243,783	236,280	448,069,569	1,896
PUMPKIN ⁽⁴⁾	16.88	9,612	6,568	8,378,305	1,276	18.41	12,207	8,372	22,056,425	2,635
GREEN VEGETABLE	54.57	48,485	46,987	6,452,796	137	15.46	7,748	5,849	2,586,756	442
SOYA BEANS	534.84	434,617	388,827	349,133,401	898	1,563.73	904,487	848,099	926,135,914	1,092
SUGARCANE	16.62	16,750	12,026	174,610,454	14,519	105.41	124,848	47,834	687,720,022	14,377
TOMATO	50.45	55,218	32,453	55,977,090	1,725	273.97	342,136	281,213	265,976,001	946
CASHEW	4.94	(S)	(S)	(S)	(S)	2.74	(S)	(S)	(S)	(S)
CHILLIPEPPER(SHOMBO)	23.32	21,842	19,623	12,292,860	626	135.59	173,009	158,407	80,521,830	508
COCOA	12.57	9,020	9,021	4,003,905	(S)	0	-	-	-	-
COCONUT	0	-	-	-	-	0	-	-	-	-
MANGO	36.73	15,332	15,332	77,745,903	(S)	38.52	8,970	8,971	52,861,540	(S)
ORANGE	10.25	3,908	3,908	79,212,385	(S)	6.06	(S)	(S)	(S)	(S)
OILPALMTREE	23.21	21,384	21,384	51,955,662	3,941	5.43	(S)	(S)	(S)	(S)
PAWPAW	8.12	(S)	(S)	(S)	(S)	1.4	(S)	(S)	(S)	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 12B: Crops (main 37 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, major season, by Zone, Agricultural Year 2022/2023. Cont'd										
Crop	NORTH EAST					NORTH WEST				
	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)

- (1) for permanent crops it is computed considering all the households reporting crop
- (2) for permanent crops it is computed considering the households reporting crop in compact plantations
- (3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20
- (4) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 12C: Crops (main 37 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, major season, by Zone, Agricultural Year 2022/2023. Cont'd										
Crop	SOUTH EAST					SOUTH SOUTH				
	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
BEANS/COWPEA	132.79	4,501	4,275	6,415,824	1,501	41	15,497	14,164	9,111,334	643
CASSAVA	4,470.83	299,868	299,868	1,482,370,000	5,398	3,873.77	1,265,865	1,265,865	6,204,800,000	4,431
COCOYAM	1,548.94	85,443	78,234	173,598,700	2,219	613.23	68,056	52,644	106,487,600	2,023
GROUNDNUT/PEANUTS	116.49	14,335	12,256	10,531,140	859	166.38	74,154	68,808	59,089,260	859
GUINEA CORN/SORGHUM	1.94	(S)	(S)	(S)	(S)	3.21	(S)	(S)	(S)	(S)
MAIZE	3,102.13	175,078	171,407	275,273,300	1,606	1,943.99	378,406	354,232	490,433,300	1,384
MELON/EGUSI	479.36	23,249	21,688	7,651,346	353	457.33	64,030	60,723	16,084,430	265
MILLET/MAIWA	3.14	(S)	(S)	(S)	(S)	2.54	(S)	(S)	(S)	(S)
RICE	455.42	208,406	181,754	307,995,200	1,695	213.36	369,438	300,823	470,705,600	1,565
WHITEYAM	2,243.41	241,228	228,675	1,324,916,000	5,794	1,307.60	487,407	442,454	2,210,644,000	4,996
YELLOWYAM	134.22	19,207	18,987	47,741,270	2,514	49.32	8,006	5,828	41,606,440	7,139
WATERYAM	519.4	49,608	46,184	278,469,000	6,030	282.6	50,910	40,392	238,040,600	5,893
THREELEAVEYAM	243.9	10,501	10,186	39,919,880	3,919	131.64	8,852	8,644	42,306,810	4,894
BANANA	228.71	4,036	4,036	39,920,010	3,892	507.82	12,188	12,188	242,306,700	4,736
BEENI- SEED/SESAME	32.05	12,914	9,843	2,252,535	229	9.87	10,485	(S)	(S)	(S)
CUCUMBER	125.2	8,469	8,088	36,977,910	4,572	173.81	41,579	37,941	180,018,900	4,745
OKRO	948.03	47,522	45,916	56,050,870	1,221	709.91	165,071	150,279	251,453,100	1,673
ONION	0.74	(S)	(S)	(S)	(S)	0.55	(S)	(S)	(S)	(S)
SWEET/BELLPEPPER(TATASHE)	2.44	(S)	(S)	(S)	(S)	8.4	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	407.07	18,762	18,097	42,682,700	2,359	394.53	87,791	68,396	117,618,500	1,720
PINEAPPLE	51.27	546	546	14,314,260	(S)	187.28	19,935	19,935	253,333,800	8,190
PLANTAIN	430.22	11,031	11,031	143,786,300	5,301	1,262.82	181,966	181,966	1,115,586,000	4,842
IRISH POTATO	2.63	(S)	(S)	(S)	(S)	1.53	(S)	(S)	(S)	(S)
SWEET POTATO	147.41	17,512	17,057	30,016,530	1,760	167.3	30,355	25,161	50,304,050	1,999
PUMPKIN ⁽⁴⁾	1,414.86	100,318	61,250	92,050,070	1,503	921.44	115,544	60,644	92,892,950	1,532
GREEN VEGETABLE	305.8	13,039	12,596	3,555,220	282	215.72	32,806	23,648	15,172,620	642
SOYA BEANS	1.21	(S)	(S)	(S)	(S)	1.75	(S)	(S)	(S)	(S)
SUGARCANE	4.02	(S)	(S)	(S)	(S)	54.09	4,308	3,213	41,347,590	12,869
TOMATO	99.92	8,156	8,059	13,539,570	1,680	83.17	34,614	31,732	79,400,850	2,502
CASHEW	23.13	(S)	(S)	441,211	(S)	18.9	26,372	26,372	5,700,365	195
CHILLIPEPPER(SHOMBO)	21.61	1,909	1,759	1,152,798	655	26.18	2,428	2,368	2,021,008	854
COCOA	5.37	(S)	(S)	(S)	(S)	210.92	115,769	115,769	131,468,300	356
COCONUT	55.82	(S)	(S)	1,352,083	(S)	173.45	2,894	2,894	4,534,410	(S)
MANGO	60.72	(S)	(S)	14,302,200	(S)	83.1	663	663	6,529,162	(S)
ORANGE	80.27	386	386	32,764,240	(S)	115.55	1,803	1,803	88,761,080	(S)
OILPALMTREE	397.02	20,337	20,337	131,603,400	3,688	613.81	348,292	348,292	1,755,909,000	4,371
PAWPAW	72.78	(S)	(S)	9,978,769	(S)	117.08	813	813	22,018,010	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 12D: Crops (main 37 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, major season, by Zone, Agricultural Year 2022/2023. Cont'd					
Crop	SOUTH WEST				
	Total # of households reporting crop ⁽¹⁾ ('000)	Planted Area ⁽²⁾ (HA)	Harvested Area ⁽²⁾ (HA)	Harvested quantity ⁽¹⁾ (Kg)	Yield ⁽³⁾ (KG/HA)
BEANS/COWPEA	120.02	64,518	54,734	48,413,518	885
CASSAVA	2,755.99	1,345,225	1,345,225	6,882,244,972	6,972
COCOYAM	563.67	74,797	55,524	137,354,817	2,474
GROUNDNUT/PEANUTS	40.34	22,785	21,230	27,115,933	1,277
GUINEA CORN/SORGHUM	61.05	62,669	48,874	52,748,758	1,079
MAIZE	2,126.19	970,017	907,602	1,311,869,289	1,445
MELON/EGUSI	77.04	14,714	13,203	4,614,890	350
MILLET/MAIWA	47.48	30,493	27,338	22,017,040	805
RICE	53.68	68,476	61,008	90,035,448	1,476
WHITEYAM	1,044.21	437,581	328,591	1,794,630,613	5,462
YELLOWYAM	80.26	17,983	15,826	81,136,034	5,127
WATERYAM	64.68	13,715	11,764	72,687,112	6,179
THREELEAVEYAM	22.04	3,529	2,455	10,245,875	4,174
BANANA	524.06	37,370	37,370	678,426,222	8,398
BEENI- SEED/SESAME	1.23	(S)	(S)	(S)	(S)
CUCUMBER	5.78	(S)	(S)	(S)	(S)
OKRO	231.66	42,020	35,692	41,538,085	1,164
ONION	4.9	(S)	(S)	(S)	(S)
SWEET/BELLPEPPER(TATASHE)	25.02	4,975	4,681	14,131,384	3,019
SMALLPEPPER(RODO)	411.51	85,264	75,389	468,801,043	6,218
PINEAPPLE	103.84	7,840	7,840	541,515,548	8,390
PLANTAIN	808.39	93,016	93,016	1,468,717,444	6,640
IRISH POTATO	4.14	(S)	(S)	(S)	(S)
SWEET POTATO	109.93	41,581	34,147	61,307,113	1,795
PUMPKIN ⁽⁴⁾	34.3	5,065	(S)	(S)	(S)
GREEN VEGETABLE	290.11	64,095	60,370	43,439,622	720
SOYA BEANS	121.6	223,960	199,694	193,242,542	968
SUGARCANE	19.17	1,477	1,288	18,035,676	14,000
TOMATO	421.15	133,535	124,283	336,957,226	2,711
CASHEW	270.13	286,200	286,200	77,605,088	245
CHILLIPEPPER(SHOMBO)	110.55	18,416	16,432	13,784,505	839
COCOA	818.39	593,197	593,198	365,127,113	413
COCONUT	25.03	(S)	(S)	5,679,816	(S)
MANGO	58.64	2,329	2,329	21,977,242	(S)
ORANGE	231.02	8,026	8,026	784,124,612	19,243
OILPALMTREE	516.18	222,081	222,081	2,032,418,363	5,537
PAWPAW	77.73	1,328	1,328	80,194,917	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) for permanent crops it is computed considering all the households reporting crop

(2) for permanent crops it is computed considering the households reporting crop in compact plantations

(3) for permanent crops it is computed considering the households reporting crop in compact plantations with number of trees/plants higher than 20

(4) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 13A: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023.											
Zone	State	CROP 1: BEANS/COWPEA					CROP 2: GROUNDNUT/PEANUTS				
		Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	0.83	(S)	(S)	(S)	(S)	1.59	(S)	(S)	(S)	(S)
North Central	Fct	1.47	(S)	(S)	(S)	(S)	1.61	(S)	(S)	(S)	(S)
North Central	Kogi	12.71	9973	9420	5248368	557	2.76	(S)	(S)	(S)	(S)
North Central	Kwara	1.49	(S)	(S)	(S)	(S)	0	-	-	-	-
North Central	Nasarawa	0.48	(S)	(S)	(S)	(S)	0.54	(S)	(S)	(S)	(S)
North Central	Niger	3.70	(S)	(S)	(S)	(S)	4.09	(S)	(S)	(S)	(S)
North Central	Plateau	5.18	(S)	(S)	(S)	(S)	2.26	(S)	(S)	(S)	(S)
North Central	Zone total	25.87	19,760.00	17120	12783010	747	12.86	11,528.00	10,894.00	10343820	950
North East	Adamawa	1.45	(S)	(S)	(S)	(S)	2.73	(S)	(S)	(S)	(S)
North East	Bauchi	5.34	(S)	(S)	(S)	(S)	3.18	(S)	(S)	(S)	(S)
North East	Borno	12.11	34109	5782	2744023	475	16.28	54,496.00	(S)	(S)	(S)
North East	Gombe	3.61	(S)	(S)	(S)	(S)	1.71	(S)	(S)	(S)	(S)
North East	Taraba	0.33	(S)	(S)	(S)	(S)	0.9	(S)	(S)	(S)	(S)
North East	Yobe	2.91	(S)	(S)	(S)	(S)	1.61	(S)	(S)	(S)	(S)
North East	Zone total	25.75	50,126.00	18,129.00	15664960	864	26.41	69,341.00	19,909.00	15,370,040.00	772
North West	Jigawa	4.55	(S)	(S)	(S)	(S)	2.08	(S)	(S)	(S)	(S)
North West	Kaduna	12.08	9,558.00	8186	10472060	1279	4.98	(S)	(S)	(S)	(S)
North West	Kano	37.60	34,056.00	30144	47928250	1590	24.72	17,487.00	14,845.00	17163012	1156
North West	Katsina	2.40	(S)	(S)	(S)	(S)	0	-	-	-	-
North West	Kebbi	10.80	7866	6759	9932685	1470	5.03	(S)	(S)	(S)	(S)
North West	Sokoto	11.64	8,387.00	6174	6759078	1095	3.12	(S)	(S)	(S)	(S)
North West	Zamfara	1.06	(S)	(S)	(S)	(S)	0.15	(S)	(S)	(S)	(S)
North West	Zone total	80.14	65,105.00	55,912.00	78825850	1410	40.08	32,804.00	24,719.00	29,409,321.00	1190
South East	Abia	0.95	(S)	(S)	(S)	(S)	0.35	(S)	-	-	-
South East	Anambra	0.00	-	-	-	-	0.2	(S)	(S)	(S)	(S)
South East	Ebonyi	0	-	-	-	-	1.35	(S)	(S)	(S)	(S)
South East	Enugu	11.67	17955	(S)	(S)	(S)	15.69	22649	(S)	(S)	(S)
South East	Imo	0.43	(S)	(S)	(S)	(S)	0	-	-	-	-
South East	Zone total	13.06	17,991.00	(S)	(S)	(S)	17.59	22,767.00	(S)	(S)	(S)
South South	Akwa Ibom	0.00	-	-	-	-	0.28	(S)	(S)	(S)	(S)
South South	Bayelsa	0.1	(S)	(S)	(S)	(S)	7.92	1124	706	877936	1243
South South	Cross River	0	-	-	-	-	1.58	(S)	(S)	(S)	(S)
South South	Delta	0	-	-	-	-	5.39	(S)	(S)	(S)	(S)

Table 13A: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023.											
Zone	State	CROP 1: BEANS/COWPEA					CROP 2: GROUNDNUT/PEANUTS				
		Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South South	Edo	0.66	(S)	(S)	(S)	(S)	1.87	(S)	(S)	(S)	(S)
South South	Rivers	0.00	-	-	-	-	0.37	(S)	(S)	(S)	(S)
South South	Zone total	0.76	(S)	(S)	(S)	(S)	17.41	4,935.00	3,218.00	2896355	900
South West	Ekiti	0.13	(S)	(S)	(S)	(S)	0	-	-	-	-
South West	Lagos	0	-	-	-	-	0	-	-	-	-
South West	Ogun	0.51	(S)	(S)	(S)	(S)	0	-	-	-	-
South West	Ondo	0	-	-	-	-	0	-	-	-	-
South West	Osun	2.08	(S)	(S)	(S)	(S)	1.43	(S)	(S)	(S)	(S)
South West	Oyo	3.39	(S)	(S)	(S)	(S)	0.24	(S)	(S)	(S)	(S)
South West	Zone total	6.10	(S)	(S)	(S)	(S)	1.67	(S)	(S)	(S)	(S)
Nigeria	Total	151.68	155,067.00	95,131.00	110086800	1157	116.03	141,598.00	63,887.00	60,897,248.00	953

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 13B: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023. Cont'd											
Zone	State	CROP 3: GUINEA CORN/SORGHUM					CROP 4: MAIZE				
		Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	0.39	(S)	-	-	-	2.97	(S)	(S)	(S)	(S)
North Central	Fct	1.61	(S)	(S)	(S)	(S)	10.7	(S)	(S)	(S)	(S)
North Central	Kogi	1.2	(S)	(S)	(S)	(S)	26.44	48138	33597	34786395	1035
North Central	Kwara	1.84	2383	(S)	(S)	(S)	10.71	4926	3570	5663899	1586
North Central	Nasarawa	0.43	(S)	(S)	(S)	(S)	2.85	(S)	(S)	(S)	(S)
North Central	Niger	2.50	(S)	(S)	(S)	(S)	13.5	18,768.00	15,666.00	16300220	1040
North Central	Plateau	1.64	(S)	(S)	(S)	(S)	12.84	9,370.00	7,556.00	9296336	1230
North Central	Zone total	9.61	9,393.00	5678	4895503	862	79.99	88,032.00	66,657.00	72911422	1094
North East	Adamawa	2.08	(S)	(S)	(S)	(S)	15.94	21,155.00	19,278.00	21106169	1095
North East	Bauchi	3.39	(S)	(S)	(S)	(S)	28.27	44,992.00	25,755.00	31589555	1227
North East	Borno	14.64	37052	2232	1970363	883	17.11	26,512.00	6058	7811405	1289
North East	Gombe	2.77	(S)	(S)	(S)	(S)	11.2	14054	12704	14821212	1167
North East	Taraba	0.72	(S)	(S)	(S)	(S)	7.23	(S)	(S)	(S)	(S)
North East	Yobe	2.61	(S)	(S)	(S)	(S)	3.8	(S)	(S)	(S)	(S)
North East	Zone total	26.20	50,974.00	13,582.00	12154862	895	83.54	122,295.00	76,818.00	90,215,067.00	1174
North West	Jigawa	3.25	(S)	(S)	(S)	(S)	32.38	21,054.00	17952	23518390	1310
North West	Kaduna	14.00	16,793.00	13218	12727163	963	93.15	84,512.00	76,463.00	183324976	2398
North West	Kano	33.22	19,242.00	16971	24784961	1460	92.67	129,406.00	108,353.00	139270582	1285
North West	Katsina	0.98	(S)	(S)	(S)	(S)	6.63	(S)	(S)	(S)	(S)
North West	Kebbi	8.34	7459	(S)	(S)	(S)	29.87	50,196.00	45111	52945784	1174
North West	Sokoto	13.26	7,251.00	5763	5737782	996	6.26	3,725.00	(S)	(S)	(S)
North West	Zamfara	2.54	1936	1936	2852805	1474	3.8	3212	3212	4747478	1478
North West	Zone total	75.59	56,253.00	46,001.00	57416016	1248	264.77	299,312.00	261,688.00	418,017,711.00	1597
South East	Abia	0	-	-	-	-	9.23	(S)	(S)	(S)	(S)
South East	Anambra	0.00	-	-	-	-	5.22	(S)	(S)	(S)	(S)
South East	Ebonyi	0	-	-	-	-	3.51	(S)	(S)	(S)	(S)
South East	Enugu	0	-	-	-	-	21.8	35920	26788	26864726	1003
South East	Imo	0.00	-	-	-	-	7.71	(S)	(S)	(S)	(S)
South East	Zone total	0.00	-	-	-	-	47.48	37,546.00	27,976.00	28520211	1019
South South	Akwa Ibom	0.00	-	-	-	-	31.98	3,130.00	2,520.00	2494468	990
South South	Bayelsa	0.12	(S)	-	-	-	20.47	3289	2574	3978425	1546
South South	Cross River	0	-	-	-	-	2.49	(S)	(S)	(S)	(S)
South South	Delta	0	-	-	-	-	26.36	5945	4385	5729722	1307
South South	Edo	0.14	(S)	-	-	-	4.9	(S)	(S)	(S)	(S)
South South	Rivers	0.23	(S)	-	-	-	36.02	10,382.00	9,756.00	25459875	2610
South South	Zone total	0.49	(S)	-	-	-	122.22	26,694.00	20,854.00	39686322	1903
South West	Ekiti	0	-	-	-	-	10.27	2133	1671	2576566	1542
South West	Lagos	0	-	-	-	-	15.65	5321	4723	9006511	1907

Table 13B: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023. Cont'd											
Zone	State	CROP 3: GUINEA CORN/SORGHUM					CROP 4: MAIZE				
		Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South West	Ogun	0.00	-	-	-	-	25.02	14,067.00	11,894.00	15246805	1282
South West	Ondo	0	-	-	-	-	16.84	7603	7077	7783218	1100
South West	Osun	0.02	(S)	(S)	(S)	(S)	51.83	22216	21201	36261777	1710
South West	Oyo	0.76	(S)	(S)	(S)	(S)	54.18	63,043.00	56,732.00	72142768	1272
South West	Zone total	0.77	(S)	(S)	(S)	(S)	173.79	114,383.00	103,298.00	143017645	1385
Nigeria	Total	112.66	116,982.00	65,499.00	74847245	1143	771.79	688,262.00	557,290.00	792,368,378.00	1422

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 13C: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 5: MILLET/MAIWA					CROP 6: RICE				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	0.00	-	-	-	-	3.65	(S)	(S)	(S)	(S)
North Central	Fct	0.95	(S)	-	-	-	5.12	(S)	(S)	(S)	(S)
North Central	Kogi	0.28	(S)	(S)	(S)	(S)	19.87	54767	15115	24602320	1628
North Central	Kwara	0.4	(S)	(S)	(S)	(S)	7.06	8983	8484	18270860	2153
North Central	Nasarawa	0.05	(S)	(S)	(S)	(S)	6.35	6443	5436	8921196	1641
North Central	Niger	0.19	(S)	(S)	(S)	(S)	32.39	128,863.00	114,034.00	168923300	1481
North Central	Plateau	1.82	(S)	(S)	(S)	(S)	3.04	(S)	(S)	(S)	(S)
North Central	Zone total	3.68	(S)	(S)	(S)	(S)	77.48	209,713.00	151,844.00	235679500	1552
North East	Adamawa	0.00	-	-	-	-	19.95	25,047.00	21,473.00	39502010	1840
North East	Bauchi	8.92	9,906.00	9115	13604570	1493	44.52	79,108.00	72,904.00	135699700	1861
North East	Borno	2.84	(S)	(S)	(S)	(S)	17.22	27,995.00	7942	13973610	1760
North East	Gombe	0.27	(S)	(S)	(S)	(S)	8.58	10161	9944	17118000	1721
North East	Taraba	0	-	-	-	-	8.47	21195	20912	33976920	1625
North East	Yobe	2.59	(S)	(S)	(S)	(S)	18.41	36164	31543	43739660	1387
North East	Zone total	14.61	19,512.00	17,052.00	20283100	1190	117.14	199,669.00	164,718.00	284,009,900.00	1724
North West	Jigawa	4.54	(S)	(S)	(S)	(S)	95.82	166,515.00	157266	341652000	2172
North West	Kaduna	0.37	(S)	(S)	(S)	(S)	36.79	26,402.00	23,583.00	53919130	2286
North West	Kano	23.92	30,528.00	16282	17050550	1047	76.25	115,028.00	99,068.00	157807100	1593
North West	Katsina	0.00	-	-	-	-	11.98	(S)	(S)	(S)	(S)
North West	Kebbi	24.05	56458	54356	40607160	747	133.1	162,146.00	152720	286205000	1874
North West	Sokoto	16.28	12,216.00	9098	12394560	1362	37.09	23,401.00	19,390.00	37966550	1958
North West	Zamfara	2.08	(S)	(S)	(S)	(S)	3.96	(S)	(S)	(S)	(S)
North West	Zone total	71.24	107,842.00	87,128.00	81208080	932	394.99	510,358.00	467,511.00	902,426,400.00	1930
South East	Abia	0	-	-	-	-	0	-	-	-	-
South East	Anambra	0.00	-	-	-	-	0.2	(S)	(S)	(S)	(S)
South East	Ebonyi	0	-	-	-	-	1.07	(S)	(S)	(S)	(S)
South East	Enugu	0.6	(S)	-	-	-	0	-	-	-	-
South East	Imo	0.00	-	-	-	-	0	-	-	-	-
South East	Zone total	0.60	(S)	-	-	-	1.26	(S)	(S)	(S)	(S)

Table 13C: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023. Cont'd											
		CROP 5: MILLET/MAIWA					CROP 6: RICE				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South South	Akwa Ibom	0.00	-	-	-	-	0	-	-	-	-
South South	Bayelsa	0	-	-	-	-	1.18	(S)	(S)	(S)	(S)
South South	Cross River	0	-	-	-	-	4.67	(S)	(S)	(S)	(S)
South South	Delta	0	-	-	-	-	2.44	(S)	(S)	(S)	(S)
South South	Edo	0	-	-	-	-	3.33	(S)	(S)	(S)	(S)
South South	Rivers	0.00	-	-	-	-	0	-	-	-	-
South South	Zone total	0.00	-	-	-	-	11.62	11,025.00	(S)	(S)	(S)
South West	Ekiti	0	-	-	-	-	0.61	(S)	(S)	(S)	(S)
South West	Lagos	0	-	-	-	-	1.05	(S)	(S)	(S)	(S)
South West	Ogun	0.00	-	-	-	-	0.2	(S)	(S)	(S)	(S)
South West	Ondo	0	-	-	-	-	0	-	-	-	-
South West	Osun	0	-	-	-	-	0.3	120	-	-	-
South West	Oyo	0.00	-	-	-	-	1.21	(S)	(S)	(S)	(S)
South West	Zone total	0.00	-	-	-	-	3.37	(S)	(S)	(S)	(S)
Nigeria	Total	90.14	130,698.00	105,916.00	106147800	1002	605.87	937,871.00	796,624.00	1,442,158,000.00	1810

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 13D: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023. Cont'd

		CROP 7: WHITEYAM				
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
North Central	Benue	4.34	(S)	(S)	(S)	(S)
North Central	Fct	2.07	(S)	(S)	(S)	(S)
North Central	Kogi	4.96	(S)	(S)	(S)	(S)
North Central	Kwara	5.82	12117	6447	14636140	2270
North Central	Nasarawa	0.5	(S)	(S)	(S)	(S)
North Central	Niger	5.29	(S)	(S)	(S)	(S)
North Central	Plateau	0.52	(S)	(S)	(S)	(S)
North Central	Zone total	23.49	30,069.00	21285	54165020	2545
North East	Adamawa	0.00	-	-	-	-
North East	Bauchi	0.51	(S)	(S)	(S)	(S)
North East	Borno	0.12	(S)	(S)	(S)	(S)
North East	Gombe	0	-	-	-	-
North East	Taraba	0.24	(S)	(S)	(S)	(S)
North East	Yobe	0	-	-	-	-
North East	Zone total	0.87	(S)	(S)	(S)	(S)
North West	Jigawa	0.00	-	-	-	-
North West	Kaduna	7.10	(S)	(S)	(S)	(S)
North West	Kano	0.00	-	-	-	-
North West	Katsina	0.00	-	-	-	-
North West	Kebbi	0.00	-	-	-	-
North West	Sokoto	0.00	-	-	-	-
North West	Zamfara	0	-	-	-	-
North West	Zone total	7.10	(S)	(S)	(S)	(S)
South East	Abia	5.89	(S)	(S)	(S)	(S)
South East	Anambra	25.82	11615	5643	46907770	8312
South East	Ebonyi	4.18	(S)	(S)	(S)	(S)
South East	Enugu	1.96	(S)	(S)	(S)	(S)
South East	Imo	11.02	(S)	(S)	(S)	(S)
South East	Zone total	48.87	14,769.00	8609	68958410	8010
South South	Akwa Ibom	18.07	747.00	(S)	(S)	(S)
South South	Bayelsa	20.63	4508	2056	11930130	5804
South South	Cross River	6.37	(S)	(S)	(S)	(S)
South South	Delta	28.87	7029	3675	25932190	7057
South South	Edo	9.61	8249	(S)	(S)	(S)
South South	Rivers	29.09	5,861.00	4474	33277450	7438
South South	Zone total	112.64	28,201.00	15479	88786700	5736
South West	Ekiti	46.24	8288	1744	22461070	12876
South West	Lagos	1.25	(S)	(S)	(S)	(S)
South West	Ogun	3.18	(S)	(S)	(S)	(S)
South West	Ondo	5.97	(S)	(S)	(S)	(S)

Table 13D: Crops (top 7 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield in the minor season, Zone/State name, Agricultural Year 2022/2023. Cont'd						
CROP 7: WHITEYAM						
Zone	State	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
South West	Osun	17.7	35002	28839	44138960	1531
South West	Oyo	76.51	63,174.00	29476	121856000	4134
South West	Zone total	150.86	110,855.00	61633	197828200	3210
Nigeria	Total	343.83	187,580.00	110,380.00	416743900	3776

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 14A: Crops (main 26 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, minor season, by Zone, Agricultural Year 2022/2023.

Crop	NIGERIA					NORTH CENTRAL				
	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
BEANS/COWPEA	151.68	155,067	95,131	110,086,769	1,157	25.87	19,760	17,120	12,783,015	747
COCOYAM	129.46	37,550	25,237	35,503,592	1,407	7.11	(S)	(S)	(S)	(S)
GROUNDNUT/PEANUTS	116.03	141,598	63,887	60,897,248	953	12.86	11,528	10,894	10,343,820	950
GUINEA CORN/SORGHUM	112.66	116,982	65,499	74,847,245	1,143	9.61	9,393	5,678	4,895,503	862
MAIZE	771.79	688,262	557,290	792,368,378	1,422	79.99	88,032	66,657	72,911,422	1,094
MELON/EGUSI	35.97	58,486	41,534	10,953,751	264	5.1	(S)	(S)	(S)	(S)
MILLET/MAIWA	90.14	130,698	105,916	106,147,829	1,002	3.68	(S)	(S)	(S)	(S)
RICE	605.87	937,871	796,624	1,442,158,121	1,810	77.48	209,713	151,844	235,679,462	1,552
WHITEYAM	343.83	187,580	110,380	416,743,937	3,776	23.49	30,069	21,285	54,165,019	2,545
YELLOWYAM	16.1	5,614	3,159	9,854,821	3,120	0.97	(S)	(S)	(S)	(S)
WATERYAM	57.62	9,324	3,894	21,561,879	5,537	1.63	(S)	(S)	(S)	(S)
THREELEAVEYAM	11.88	1,265	(S)	(S)	(S)	0.05	(S)	(S)	(S)	(S)
BEENI- SEED/SESAME	7.62	(S)	(S)	(S)	(S)	3.35	(S)	(S)	(S)	(S)
CUCUMBER	45.42	17,801	14,610	74,750,503	5,116	2.51	(S)	(S)	(S)	(S)
OKRO	241.29	163,410	115,252	201,259,077	1,746	40.36	39,680	28,623	30,477,726	1,065
ONION	491.17	911,773	648,714	2,674,906,924	4,123	8.07	(S)	(S)	(S)	(S)
SWEET/BELLPEPPER(TATASHE)	104.59	116,867	95,399	422,500,162	4,429	5.07	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	300.9	271,846	226,485	841,165,524	3,714	34.78	26,856	14,733	69,038,208	4,686
IRISH POTATO	68.87	33,883	29,638	69,826,287	2,356	65.84	30,611	26,365	58,295,880	2,211
SWEET POTATO	144.06	66,752	61,570	106,413,860	1,728	6.48	2,186	(S)	(S)	(S)
PUMPKIN ⁽¹⁾	188.66	58,442	25,676	51,652,579	2,012	7.33	(S)	(S)	(S)	(S)
GREEN VEGETABLE	212.5	176,800	157,732	79,535,044	504	28.79	11,421	9,366	18,553,510	1,981
SOYA BEANS	49.51	44,183	32,955	60,048,265	1,822	3.35	(S)	(S)	(S)	(S)
SUGARCANE	117.1	71,269	63,298	887,077,299	14,014	11.17	9,741	8,549	125,013,081	14,623
TOMATO	543.24	800,801	584,128	2,248,877,429	3,850	73.64	101,416	62,328	102,116,023	1,638
CHILLIPEPPER(SHOMBO)	97.76	91,182	84,934	61,817,367	728	17.89	12,568	11,375	4,962,653	436

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 14B: Crops (main 26 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, minor season, by Zone, Agricultural Year 2022/2023. Cont'd										
Crop	NORTH EAST					NORTH WEST				
	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
BEANS/COWPEA	25.75	50,126	18,129	15,664,956	864	80.15	65,105	55,912	78,825,855	1,410
COCOYAM	1.61	(S)	(S)	(S)	(S)	5.58	(S)	(S)	(S)	(S)
GROUNDNUT/PEANUTS	26.41	69,341	19,909	15,370,040	772	40.08	32,804	24,719	29,409,321	1,190
GUINEA CORN/SORGHUM	26.21	50,974	13,582	12,154,862	895	75.59	56,253	46,001	57,416,016	1,248
MAIZE	83.55	122,295	76,818	90,215,067	1,174	264.77	299,312	261,688	418,017,711	1,597
MELON/EGUSI	3.15	(S)	(S)	(S)	(S)	3.17	(S)	(S)	(S)	(S)
MILLET/MAIWA	14.61	19,512	17,052	20,283,105	1,190	71.24	107,842	87,128	81,208,084	932
RICE	117.14	199,669	164,718	284,009,893	1,724	394.99	510,358	467,511	902,426,414	1,930
WHITEYAM	0.87	(S)	(S)	(S)	(S)	7.1	(S)	(S)	(S)	(S)
YELLOWYAM	0.23	(S)	(S)	(S)	(S)	0.22	(S)	(S)	(S)	(S)
WATERYAM	0	-	-	-	-	0.18	(S)	(S)	(S)	(S)
THREELEAVEYAM	0	-	-	-	-	0.41	(S)	(S)	(S)	(S)
BEENI- SEED/SESAME	0.95	(S)	(S)	(S)	(S)	2.94	(S)	(S)	(S)	(S)
CUCUMBER	1.17	(S)	(S)	(S)	(S)	10.13	9,627	(S)	(S)	(S)
OKRO	23.76	34,921	29,332	41,789,677	1,425	42.3	46,262	35,294	58,789,539	1,666
ONION	77.08	105,879	53,925	1,461,269,185	27,098	405.44	792,423	582,318	1,186,118,724	2,037
SWEET/BELLPEPPER(TATASHE)	12.35	17,780	12,474	98,143,503	7,868	83.09	96,058	80,503	316,919,268	3,937
SMALLPEPPER(RODO)	18.43	29,550	25,083	105,421,444	4,203	146.25	180,595	161,218	518,753,736	3,218
IRISH POTATO	1.07	(S)	(S)	(S)	(S)	1.63	(S)	(S)	(S)	(S)
SWEET POTATO	22.65	18,130	16,654	25,084,265	1,506	45.37	32,294	31,656	58,016,001	1,833
PUMPKIN ⁽¹⁾	1.75	(S)	(S)	(S)	(S)	7.38	(S)	(S)	(S)	(S)
GREEN VEGETABLE	12.05	6,040	5,646	2,631,403	466	15.12	20,522	14,321	3,298,568	230
SOYA BEANS	3.44	(S)	(S)	(S)	(S)	42.32	34,441	26,082	49,342,531	1,892
SUGARCANE	31.15	28,695	28,499	399,778,008	14,028	51.45	30,279	24,723	340,937,585	13,790
TOMATO	81.75	114,208	104,580	1,442,757,304	13,796	331.55	550,193	392,941	689,460,353	1,755
CHILLIPEPPER(SHOMBO)	15.66	25,701	23,236	13,557,754	583	58.21	50,755	48,506	42,501,797	876

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 14C: Crops (main 26 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, minor season, by Zone, Agricultural Year 2022/2023. Cont'd

Crop	SOUTH EAST					SOUTH SOUTH				
	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
BEANS/COWPEA	13.06	17,991	(S)	(S)	(S)	0.76	(S)	(S)	(S)	(S)
COCOYAM	22.91	5,978	5,680	7,319,479	1,289	68.38	14088	6977	18449339	2644
GROUNDNUT/PEANUTS	17.59	22,767	(S)	(S)	(S)	17.41	4,935	3,218	2,896,355	900
GUINEA CORN/SORGHUM	0	-	-	-	-	0.49	(S)	(S)	(S)	(S)
MAIZE	47.48	37,546	27,976	28,520,211	1,019	122.22	26,694	20,854	39,686,322	1,903
MELON/EGUSI	9.19	(S)	(S)	(S)	(S)	10.53	6118	2575	815361	317
MILLET/MAIWA	0.6	(S)	(S)	(S)	(S)	0	-	-	-	-
RICE	1.26	(S)	(S)	(S)	(S)	11.62	11,025	(S)	(S)	(S)
WHITEYAM	48.87	14,769	8,609	68,958,406	8,010	112.64	28,201	15,479	88,786,697	5,736
YELLOWYAM	3.38	(S)	(S)	(S)	(S)	2.16	(S)	(S)	(S)	(S)
WATERYAM	3.11	(S)	(S)	(S)	(S)	44.85	5205	3307	19225640	5813
THREELEAVEYAM	1.53	(S)	(S)	(S)	(S)	9.39	(S)	(S)	(S)	(S)
BEENI- SEED/SESAME	0.33	(S)	(S)	(S)	(S)	0.05	(S)	(S)	(S)	(S)
CUCUMBER	5.04	(S)	(S)	(S)	(S)	25.39	2447	2173	12216355	5621
OKRO	28.34	19,231	2,173	1,890,358	870	78.34	15,338	12,785	45,382,825	3,550
ONION	0	-	-	-	-	0.51	(S)	(S)	(S)	(S)
SWEET/BELLPEPPER(TATASHE)	0.48	(S)	(S)	(S)	(S)	2.56	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	14.57	5,372	4,063	6,639,254	1,634	56.14	14,032	10,280	28,502,053	2,773
IRISH POTATO	0	-	-	-	-	0.21	(S)	(S)	(S)	(S)
SWEET POTATO	19.16	4,445	4,084	7,222,276	1,768	42.67	6,572	5616	10374990	1847
PUMPKIN ⁽¹⁾	61.55	10,663	1,110	3,884,121	3,499	96.29	24112	16215	21225288	1309
GREEN VEGETABLE	48.7	87,183	81,590	9,143,358	112	30.96	9,395	8,904	32,682,373	3,671
SOYA BEANS	0	-	-	-	-	0	-	-	-	-
SUGARCANE	1.09	(S)	(S)	(S)	(S)	20.48	1,858	1,047	14,911,900	14,238
TOMATO	5.14	(S)	(S)	(S)	(S)	5.89	(S)	(S)	(S)	(S)
CHILLIPEPPER(SHOMBO)	1.35	(S)	(S)	(S)	(S)	0.56	(S)	(S)	(S)	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 14D: Crops (main 26 crops only), number of agricultural holdings in the household sector, areas planted/harvested, production/yield, minor season, by Zone, Agricultural Year 2022/2023. Cont'd

Crop	SOUTH WEST				
	Total # of households reporting crop ('000)	Planted Area (HA)	Harvested Area (HA)	Harvested quantity (Kg)	Yield (KG/HA)
BEANS/COWPEA	6.1	(S)	(S)	(S)	(S)
COCOYAM	23.87	6,755	4,244	5,084,181	1,198
GROUNDNUT/PEANUTS	1.67	(S)	(S)	(S)	(S)
GUINEA CORN/SORGHUM	0.77	(S)	(S)	(S)	(S)
MAIZE	173.79	114,383	103,298	143,017,645	1,385
MELON/EGUSI	4.82	(S)	(S)	(S)	(S)
MILLET/MAIWA	0	-	-	-	-
RICE	3.37	(S)	(S)	(S)	(S)
WHITEYAM	150.86	110,855	61,633	197,828,238	3,210
YELLOWYAM	9.13	2,923	(S)	(S)	(S)
WATERYAM	7.86	3,400	(S)	(S)	(S)
THREELEAVEYAM	0.49	(S)	(S)	(S)	(S)
BEENI- SEED/SESAME	0	-	-	-	-
CUCUMBER	1.17	(S)	(S)	(S)	(S)
OKRO	28.18	7,977	7,046	22,928,951	3,254
ONION	0.07	(S)	(S)	(S)	(S)
SWEET/BELLPEPPER(TATASHE)	1.03	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	30.73	15,440	11,109	112,810,830	10,155
IRISH POTATO	0.11	(S)	(S)	(S)	(S)
SWEET POTATO	7.73	(S)	(S)	(S)	(S)
PUMPKIN ⁽¹⁾	14.37	10,704	(S)	(S)	(S)
GREEN VEGETABLE	76.88	42,238	37,905	13,225,831	349
SOYA BEANS	0.4	(S)	(S)	(S)	(S)
SUGARCANE	1.77	(S)	(S)	(S)	(S)
TOMATO	45.27	22,982	19,929	12,492,988	627
CHILLIPEPPER(SHOMBO)	4.1	(S)	(S)	(S)	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) in the computation of the harvested quantity and yield only pumpkin fruit is considered

Table 15A: Reasons for no harvest, by crop, national level, major season, Agricultural Year 2022/2023.

Crop	Total # of plots with the crop	Crops with harvest	Crops with no harvest	Reason for no harvest							
				TOO LITTLE RAIN/DROUGHT	TOO MUCH RAIN/FLOOD	RAIN CAME TOO EARLY	RAIN CAME TOO LATE	ERRATIC/IRREGULAR RAINFALL	HAIL	FROST	TOO MUCH WIND
				Number of plots with the crop							
BEANS/COWPEA	10,727,130	10,239,484	487,646	67,213	182,290	1,891	8,743	5,676	697	5,135	6,230
COCOYAM	3,089,385	2,725,647	363,738	13,117	17,485	1,562	6,656	4,871	0	0	0
GROUNDNUT/PEANUTS	7,052,249	6,857,901	194,348	30,200	74,215	2,578	7,075	1,687	1,299	2,901	2,056
GUINEA CORN/SORGHUM	11,983,150	11,491,829	491,321	78,058	210,112	1,135	6,052	5,417	3,313	2,582	6,652
MAIZE	22,432,381	21,874,561	557,821	62,640	267,083	5,843	11,202	7,123	7,777	10,305	7,781
MELON/EGUSI	1,684,205	1,624,508	59,697	4,755	14,938	1,229	376	536	0	0	0
MILLET/MAIWA	9,023,711	8,709,171	314,540	46,572	143,333	4,261	9,641	2,197	4,378	2,598	6,199
RICE	9,064,422	8,484,426	579,996	43,512	405,662	3,123	5,385	6,896	1,347	2,737	7,029
WHITEYAM	8,269,239	7,611,310	657,929	14,540	51,356	5,429	7,204	2,677	0	173	1,416
YELLOWYAM	330,678	302,206	28,472	1,881	130	399	674	295	0	0	0
WATERYAM	1,245,364	1,161,567	83,797	2,836	7,082	1,738	1,038	314	0	0	236
THREELEAVEYAM	453,881	435,665	18,216	2,753	737	0	784	0	0	0	0
BEENI- SEED/SESAME	1,392,958	1,318,483	74,475	2,386	48,840	0	1,037	1,189	151	222	238
CUCUMBER	363,171	348,736	14,434	617	2,614	0	0	0	0	175	0
OKRO	2,803,004	2,723,057	79,947	6,811	29,016	419	1,780	1,339	0	1,822	3,125
ONION	483,391	457,621	25,770	6,088	8,122	1,034	907	0	119	3,466	677
SWEET/BELLPEPPER(TATASHE)	145,322	139,833	5,489	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	1,950,513	1,885,245	65,268	2,955	22,916	2,027	0	2,695	0	3,436	319
IRISH POTATO	332,660	322,148	10,511	445	2,477	203	0	153	0	1,626	0
SWEET POTATO	1,489,512	1,418,545	70,967	3,502	17,377	1,494	2,096	778	0	960	0
PUMPKIN	2,771,501	2,727,513	43,987	2,834	9,461	90	2,035	838	262	442	130
GREEN VEGETABLE	1,048,786	1,018,380	30,407	4,655	4,307	190	0	484	0	0	206
SOYA BEANS	3,585,113	3,488,856	96,257	5,518	29,523	409	202	1,006	184	3,993	419
SUGARCANE	233,472	173,366	60,106	962	11,632	646	1,260	149	0	0	0
TOMATO	1,331,659	1,278,918	52,742	12,290	17,509	481	683	1,288	276	1,105	1,151
CHILLIPEPPER(SHOMBO)	442,752	431,025	11,727	299	3,693	0	0	321	0	0	0

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 15B: Reasons for no harvest, by crop, national level, major season, Agricultural Year 2022/2023. Cont' d

Crop	Total # of plots with the crop	Reason for no harvest								
		PEST/DISEASE	FIRE	DISAGREEMENT ON LAND OWNERSHIP	CROP THEFT	UNABLE TO WORK ON THE FIELD DUE TO SICKNESS	NO AVAILABLE LABOR	NOT HARVEST SEASON	DELAYED/DEFERRED HARVEST	OTHER
		Number of plots with the crop								
BEANS/COWPEA	10,727,130	64,140	5,571	3,045	18,578	7,728	6,738	121,089	9,352	32,851
COCUYAM	3,089,385	15,274	2,957	806	10,717	8,791	2,741	157,534	133,961	11,261
GROUNDNUT/PEANUTS	7,052,249	20,440	1,145	1,226	6,959	3,698	4,849	38,827	3,245	12,115
GUINEA CORN/SORGHUM	11,983,150	20,435	1,926	1,330	13,505	6,964	4,474	123,874	10,787	31,588
MAIZE	22,432,381	55,194	10,368	4,353	34,939	10,448	9,951	51,568	14,665	50,616
MELON/EGUSI	1,684,205	9,023	1,823	1,806	1,830	1,195	1,237	18,291	3,647	4,825
MILLET/MAIWA	9,023,711	10,270	3,941	2,235	7,355	2,993	2,125	74,664	4,820	8,770
RICE	9,064,422	15,619	2,391	2,555	3,328	5,334	2,254	70,684	8,639	26,935
WHITEYAM	8,269,239	7,675	8,469	1,231	10,230	12,712	9,771	421,579	105,816	34,222
YELLOWYAM	330,678	814	697	0	0	345	0	16,190	7,383	253
WATERYAM	1,245,364	2,957	949	0	1,511	1,752	1,249	26,811	39,810	3,419
THREELEAVEYAM	453,881	2,706	337	631	828	1,110	418	2,541	7,317	0
BEENI- SEED/SESAME	1,392,958	3,896	575	0	1,822	212	554	11,738	883	6,068
CUCUMBER	363,171	3,049	0	0	1,585	899	0	5,463	1,586	320
OKRO	2,803,004	12,284	1,760	358	4,379	3,748	1,565	9,961	7,496	4,467
ONION	483,391	99	0	0	894	0	0	3,263	1,306	589
SWEET/BELLPEPPER(TATASHE)	145,322	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	1,950,513	9,093	447	1,003	2,824	751	1,826	19,536	1,744	2,232
IRISH POTATO	332,660	7,389	0	0	1,536	0	0	555	0	0
SWEET POTATO	1,489,512	2,971	1,800	307	3,717	1,916	1,135	27,254	9,926	4,723
PUMPKIN	2,771,501	12,221	1,079	1,724	5,689	2,403	1,006	3,470	3,306	3,460
GREEN VEGETABLE	1,048,786	5,125	590	0	485	0	715	11,427	2,250	3,320
SOYA BEANS	3,585,113	9,364	121	934	5,621	926	718	31,142	1,054	13,854
SUGARCANE	233,472	542	24	0	928	0	0	41,005	5,087	245
TOMATO	1,331,659	7,442	799	319	4,266	0	336	7,617	1,479	2,028
CHILLIPEPPER(SHOMBO)	442,752	2,774	0	0	2,071	0	222	2,527	435	189

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 16A. Temporary crops and complete harvests: reasons for not harvesting all the planted area, by crop, national level, major season, Agricultural Year 2022/2023.

Crop	Total # of holdings reporting crop	Crops with harvest	Crops with harvest completed	Crops with harvested area equal to the planted area	Crops with harvested area less than planted area	Reason for having the harvested area less than the planted area						
						TOO LITTLE RAIN/DROUGHT	TOO MUCH RAIN/FLOOD	RAIN CAME TOO EARLY	RAIN CAME TOO LATE	ERRATIC/IRREGULAR RAINFALL	HAIL	FROST
						Number of plots with the crop						
BEANS/COWPEA	10,727,130	10,239,484	10,036,093	1,133,262	8,902,831	177,657	574,078	19,011	22,756	107,539	2,092	4,463
COCOYAM	3,089,385	2,725,647	2,453,240	153,155	2,300,085	8,908	14,829	3,364	8,269	11,776	348	2,467
GROUNDNUT/PEANUTS	7,052,249	6,857,901	6,738,499	595,017	6,143,481	120,126	280,036	7,699	13,570	55,477	276	5,245
GUINEA CORN/SORGHUM	11,983,150	11,491,829	11,267,086	1,072,424	10,194,662	155,058	603,566	14,250	33,818	106,739	3,790	6,200
MAIZE	22,432,381	21,874,561	21,590,637	2,586,852	19,003,785	383,880	827,707	39,415	100,321	219,991	11,879	15,282
MELON/EGUSI	1,684,205	1,624,508	1,608,234	169,929	1,438,305	16,462	10,048	1,261	3,226	9,380	151	931
MILLET/MAIWA	9,023,711	8,709,171	8,534,232	678,944	7,855,288	54,079	463,069	10,478	27,956	26,966	2,474	4,510
RICE	9,064,422	8,484,426	8,371,253	1,126,060	7,245,193	199,065	627,254	14,414	31,937	84,410	2,960	8,382
WHITEYAM	8,269,239	7,611,310	7,328,071	530,450	6,797,621	80,965	93,651	4,829	32,314	73,649	788	9,635
YELLOWYAM	330,678	302,206	263,147	15,294	247,853	523	512	30	0	291	0	0
WATERYAM	1,245,364	1,161,567	1,090,434	52,836	1,037,597	3,034	18,237	2,015	2,851	2,760	0	527
THREELEAVEYAM	453,881	435,665	414,866	23,381	391,485	282	1,316	800	317	581	0	346
BEENI- SEED/SESAME	1,392,958	1,318,483	1,301,390	186,319	1,115,072	17,417	109,124	1,414	1,499	17,422	839	407
CUCUMBER	363,171	348,736	337,424	42,829	294,595	1,495	3,588	449	484	1,181	0	0
OKRO	2,803,004	2,723,057	2,676,926	160,375	2,516,551	16,632	36,819	1,298	2,731	10,751	425	1,150
ONION	483,391	457,621	441,710	14,976	426,734	1,373	7,168	222	264	719	0	514
SWEET/BELLPEPPER(TATASHE)	145,322	139,833	136,339	12,047	124,292	1,760	4,161	112	0	1,391	624	0
SMALLPEPPER(RODO)	1,950,513	1,885,245	1,830,234	121,671	1,708,563	14,284	30,936	1,483	4,153	11,334	405	2,639
IRISH POTATO	332,660	322,148	319,589	103,779	215,810	2,904	47,407	0	0	343	8,266	9,105
SWEET POTATO	1,489,512	1,418,545	1,387,978	104,511	1,283,467	11,941	36,048	2,960	2,560	7,045	1,624	713
PUMPKIN (only pumkin fruit)	2,771,501	2,727,513	2,497,022	157,505	2,339,516	3,794	11,837	1,166	6,449	4,576	0	2,163
GREEN VEGETABLE	1,048,786	1,018,380	932,683	58,793	873,891	5,167	8,462	273	2,754	3,166	0	1,010
SOYA BEANS	3,585,113	3,488,856	3,442,379	326,894	3,115,485	68,097	126,891	4,588	7,341	38,225	828	1,277
SUGARCANE	233,472	173,366	151,736	8,867	142,870	539	2,815	753	446	196	0	0
TOMATO	1,331,659	1,278,918	1,250,665	108,036	1,142,628	17,180	25,053	516	5,541	14,283	2,452	1,204
CHILLIPEPPER(SHOMBO)	442,752	431,025	426,244	30,962	395,282	8,915	4,782	0	72	9,225	0	680

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 16B. Temporary crops and complete harvests: reasons for not harvesting all the planted area, by crop, national level, major season, Agricultural Year 2022/2023. Cont' d

Crop	Total # of holdings reporting crop	Reason for having the harvested area less than the planted area										
		TOO MUCH WIND	PEST/DISEASE	FIRE	DISAGREEMENT ON LAND OWNERSHIP	CROP THEFT	UNABLE TO WORK ON THE FIELD DUE TO SICKNESS	NO AVAILABLE LABOR	NOT HARVEST SEASON	DELAYED/DEFERRED HARVEST	DAMAGE DUE TO ANIMALS	OTHER
		Number of plots with the crop										
BEANS/COWPEA	10,727,130	16,711	455,650	2,426	0	83,012	14,405	31,217	0	0	0	0
COCUYAM	3,089,385	747	93,368	3,714	0	29,436	5,735	3,991	0	0	0	0
GROUNDNUT/PEANUTS	7,052,249	5,594	170,197	1,269	0	69,728	10,706	20,012	0	0	0	0
GUINEA CORN/SORGHUM	11,983,150	26,264	263,003	2,539	0	72,977	16,583	34,268	0	0	0	0
MAIZE	22,432,381	147,965	1,153,136	15,782	0	515,340	38,123	61,560	0	0	0	0
MELON/EGUSI	1,684,205	662	102,314	1,774	0	13,469	3,749	769	0	10,604	77,969	2,236
MILLET/MAIWA	9,023,711	12,883	139,173	1,345	0	37,766	12,104	20,593	0	0	0	0
RICE	9,064,422	21,993	317,697	2,909	0	52,298	15,591	38,538	0	0	0	0
WHITEYAM	8,269,239	13,640	237,740	6,948	0	122,987	16,942	16,186	0	0	0	0
YELLOWYAM	330,678	6,166	11,274	333	0	2,805	411	707	0	0	0	0
WATERYAM	1,245,364	4,103	21,212	1,170	0	6,371	2,552	1,344	0	0	0	0
THREELEAVEYAM	453,881	4,256	17,033	0	0	6,458	1,219	0	0	0	0	0
BEENI- SEED/SESAME	1,392,958	4,033	55,241	340	0	16,928	1,696	3,904	0	0	0	0
CUCUMBER	363,171	1,976	27,594	0	0	8,779	2,677	434	0	2,337	19,712	156
OKRO	2,803,004	4,341	92,340	257	0	23,027	3,204	507	0	10,525	32,755	1,133
ONION	483,391	444	5,015	0	0	828	0	327	0	583	1,636	376
SWEET/BELLPEPPER(TATASHE)	145,322	149	5,298	0	0	1,299	142	142	0	338	1,691	575
SMALLPEPPER(RODO)	1,950,513	4,188	54,109	946	0	17,176	2,625	594	149	4,355	15,981	2,492
IRISH POTATO	332,660	330	79,580	246	0	4,121	2,715	939	0	0	0	0
SWEET POTATO	1,489,512	635	49,187	185	0	23,151	5,187	2,134	0	0	0	0
PUMPKIN (only pumkin fruit)	2,771,501	1,127	97,096	835	0	34,623	5,309	320	439	5,990	54,857	422
GREEN VEGETABLE	1,048,786	1,230	33,014	445	0	9,392	574	611	0	1,957	16,147	0
SOYA BEANS	3,585,113	4,793	119,802	1,273	0	34,505	7,107	17,055	0	0	0	0
SUGARCANE	233,472	0	852	446	0	4,191	94	249	0	0	0	0
TOMATO	1,331,659	4,214	53,509	0	0	12,643	610	0	0	3,668	10,331	700
CHILLIPEPPER(SHOMBO)	442,752	757	12,535	0	0	2,897	0	217	0	0	2,986	1,284

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 17A. Temporary Crops (main 14) and incomplete harvests: reasons for not harvesting all the planted area, by crop, national level, major season, Agricultural Year 2022/2023.												
Crop	Total # of holdings reporting crop	Crops with harvest	Crops with harvest incomplected	Crops with harvested area less than planted area in the harvest done so far	Reason for having the harvested area less than the planted area							
					TOO LITTLE RAIN/DROUGHT	TOO MUCH RAIN/FLOOD	RAIN CAME TOO EARLY	RAIN CAME TOO LATE	ERRATIC/IRREGULAR RAINFALL	HAIL	FROST	
					Number of plots with the crop							
BEANS/COWPEA	10,727,130	10,239,484	203,391	48,084	9,321	22,649	1,399	1,466	919	0	467	
COCOYAM	3,089,385	2,725,647	272,408	29,014	2,919	3,314	384	186	249	0	0	
GROUNDNUT/PEANUTS	7,052,249	6,857,901	119,402	24,205	5,085	10,916	0	1,363	517	0	402	
GUINEA CORN/SORGHUM	11,983,150	11,491,829	224,743	57,189	4,822	37,167	1,963	1,309	2,133	0	0	
MAIZE	22,432,381	21,874,561	283,506	86,392	10,095	40,251	2,072	2,753	1,245	0	309	
MILLET/MAIWA	9,023,711	8,709,171	174,939	22,745	2,711	12,850	0	0	1,245	230	246	
RICE	9,064,422	8,484,426	113,173	40,994	6,717	25,605	504	273	335	0	697	
WHITEYAM	8,269,239	7,611,310	282,694	59,308	12,596	7,962	542	2,179	1,479	0	697	
BEENI- SEED/SESAME	1,392,958	1,318,483	17,093	10,011	1,211	4,422	0	1,310	1,523	0	0	
OKRO	2,803,004	2,723,057	46,131	9,640	1,409	4,292	0	0	0	0	0	
SMALLPEPPER(RODO)	1,950,513	1,885,245	55,011	11,860	1,654	4,795	0	428	0	0	0	
PUMPKIN (only pumkin fruit)	2,771,501	2,727,513	230,492	34,949	1,290	6,680	1,262	1,184	549	0	0	
GREEN VEGETABLE	1,048,786	1,018,380	85,696	12,785	286	2,169	518	1,039	0	0	0	
SOYA BEANS	3,585,113	3,488,856	46,431	29,676	2,940	20,970	644	377	104	0	104	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 17B. Temporary Crops (main 14) and incomplete harvests: reasons for not harvesting all the planted area, by crop, national level, major season, Agricultural Year 2022/2023. Cont'd

Crop	Total # of holdings reporting crop	Reason for having the harvested area less than the planted area										
		TOO MUCH WIND	PEST/DISEASE	FIRE	DISAGREEMENT ON LAND OWNERSHIP	CROP THEFT	UNABLE TO WORK ON THE FIELD DUE TO SICKNESS	NO AVAILABLE LABOR	NOT HARVEST SEASON	DELAYED/DEFERRED HARVEST	DAMAGE DUE TO ANIMALS	OTHER
		Number of plots with the crop										
BEANS/COWPEA	10,727,130	2,088	17,772	0	0	1,554	854	854	0	648	6,348	1,393
COCOYAM	3,089,385	502	6,820	1,219	0	3,191	1,895	784	1,216	4,776	7,525	1,386
GROUNDNUT/PEANUTS	7,052,249	515	5,041	354	0	2,172	0	241	0	177	4,559	724
GUINEA CORN/SORGHUM	11,983,150	2,085	15,901	71	1,249	2,623	752	2,300	779	477	5,561	553
MAIZE	22,432,381	5,517	21,156	619	1,082	11,018	496	395	281	1,457	13,169	3,644
MILLET/MAIWA	9,023,711	349	3,702	57	0	710	467	405	0	0	2,375	738
RICE	9,064,422	2,016	7,001	0	0	19	768	0	0	0	5,378	951
WHITEYAM	8,269,239	0	25,636	1,327	164	11,965	2,343	777	627	4,578	7,007	1,018
BEENI- SEED/SESAME	1,392,958	0	2,129	0	0	1,782	0	440	0	0	296	1,475
OKRO	2,803,004	277	2,792	166	0	1,040	0	313	0	1,044	513	0
SMALLPEPPER(RODO)	1,950,513	316	3,633	631	0	1,327	190	0	0	502	1,063	0
PUMPKIN (only pumkin fruit)	2,771,501	450	14,608	1,301	0	12,805	1,239	462	1,178	6,684	7,614	461
GREEN VEGETABLE	1,048,786	1,570	5,753	571	0	305	0	571	2,862	2,490	2,164	502
SOYA BEANS	3,585,113	447	16,611	0	0	113	0	400	0	0	2,833	87

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 18. Permanent Crops and losses: reasons for losses before the harvest, by crop, national level, major season, Agricultural Year 2022/2023.

Crop	Total # of holdings reporting crop	Crops with harvest	Crops with losses	Reasons for losses												
				TOO LITTLE RAIN/DROUGHT	TOO MUCH RAIN/FLOOD	RAIN CAME TOO EARLY	RAIN CAME TOO LATE	ERRATIC/IRREGULAR RAINFALL	HAIL	FROST	TOO MUCH WIND	PEST/DISEASE	FIRE	CROP THEFT	UNABLE TO WORK ON THE FIELD DUE TO SICKNESS	NO AVAILABLE LABOR
				Number of holdings ?												
CASSAVA	14,607,916	9,572,385	2,064,790	144,103	552,175	86,632	86,013	93,091	3,845	17,799	127,627	1,151,221	239,842	853,079	143,328	72,417
BANANA	1,417,329	1,225,296	284,467	13,728	18,706	4,024	3,782	11,869	671	7,016	174,445	102,177	15,100	145,664	5,241	2,993
PINEAPPLE	351,127	293,060	46,616	984	923	118	872	413	0	323	296	28,993	5,758	30,268	390	2,153
PLANTAIN	2,583,053	2,318,834	659,416	36,962	111,907	22,045	9,483	32,189	822	2,062	401,091	170,187	33,804	337,134	14,034	5,805
CASHEW	590,658	523,235	150,291	8,492	2,363	1,944	3,968	727	0	1,302	27,733	99,161	26,228	94,591	1,835	8,156
COCOA	1,052,803	1,187,383	436,809	44,601	109,921	7,274	8,748	19,635	1,822	11,641	11,794	355,783	33,532	79,195	9,583	7,514
COCONUT	264,129	213,155	12,456	0	776	0	0	0	0	0	4,043	4,827	867	8,815	1,080	370
MANGO	463,610	345,747	101,283	1,819	3,504	979	898	1,012	0	670	38,904	66,310	2,875	61,893	1,412	1,314
ORANGE	796,269	733,419	223,591	6,086	1,493	252	876	3,487	0	3,740	68,553	154,411	14,844	105,801	5,298	19,846
OILPALMTREE	1,697,077	1,608,107	182,504	2,476	19,024	4,098	43	9,590	457	1,965	13,413	83,094	20,328	68,233	18,704	40,535
PAWPAW	319,302	271,361	70,598	516	0	0	0	0	0	0	15,798	58,122	2,090	35,459	904	2,067

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 19A: Reasons for no harvest, by crop, national level, minor season, Agricultural Year 2022/2023.

Crop	Total # of plots with the crop	Crops with harvest	Crops with no harvest	Reason for no harvest							
				TOO LITTLE RAIN/DROUGHT	TOO MUCH RAIN/FLOOD	RAIN CAME TOO EARLY	RAIN CAME TOO LATE	ERRATIC/IRREGULAR RAINFALL	HAIL	FROST	TOO MUCH WIND
				Number of plots with the crop							
BEANS/COWPEA	166,535	132,079	34,456	5,222	4,471	556	1,948	0	732	0	1,332
COCOYAM	136,909	89,859	47,050	3,575	2,373	339	2,970	265	0	0	0
GROUNDNUT/PEANUTS	126,766	89,263	37,503	4,705	4,113	1,110	734	0	286	0	703
GUINEA CORN/SORGHUM	119,911	92,531	27,380	4,634	2,622	346	832	0	1,708	0	558
MAIZE	845,365	738,605	106,760	25,135	10,445	2,742	8,431	936	2,938	243	4,785
MELON/EGUSI	36,524	25,870	10,654	877	836	636	136	1,005	0	0	689
MILLET/MAIWA	97,588	81,910	15,678	2,288	3,309	1,154	401	0	2,605	0	0
RICE	646,550	592,328	54,221	7,629	6,735	0	4,378	1,415	994	0	399
WHITEYAM	360,393	219,568	140,825	4,132	6,557	678	4,832	1,488	0	0	147
YELLOWYAM	16,095	9,428	6,667	528	127	0	0	0	0	0	0
WATERYAM	62,414	38,695	23,719	957	1,889	1,077	0	0	0	0	0
THREELEAVEYAM	12,048	11,475	573	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
CUCUMBER	48,026	44,585	3,441	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
OKRO	251,935	225,168	26,767	1,528	888	327	0	0	0	156	3,082
ONION	500,803	435,488	65,316	4,305	1,804	588	450	192	0	423	423
SWEET/BELLPEPPER(TATASHE)	107,566	102,610	4,955	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	308,061	286,843	21,218	2,347	3,175	1,294	298	0	0	0	576
IRISH POTATO	70,041	68,988	1,053	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SWEET POTATO	149,132	131,434	17,698	420	3,045	911	1,944	0	0	0	0
PUMPKIN	198,837	187,342	11,494	1,994	378	90	0	0	0	0	265
GREEN VEGETABLE	227,555	215,187	12,368	669	1,438	99	2,983	0	972	0	784
SOYA BEANS	52,192	48,721	3,471	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SUGARCANE	124,239	106,179	18,059	1,765	2,170	359	748	0	0	0	0
TOMATO	559,517	520,819	38,698	8,723	3,384	364	536	803	0	0	0
CHILLIPEPPER(SHOMBO)	98,336	92,206	6,130	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 19B: Reasons for no harvest, by crop, national level, minor season, Agricultural Year 2022/2023. Cont'd

Crop	Total # of plots with the crop	Reason for no harvest								
		PEST/DISEASE	FIRE	DISAGREEMENT ON LAND OWNERSHIP	CROP THEFT	UNABLE TO WORK ON THE FIELD DUE TO SICKNESS	NO AVAILABLE LABOR	NOT HARVEST SEASON	DELAYED/DEFERRED HARVEST	OTHER
		Number of plots with the crop								
BEANS/COWPEA	166,535	10,847	1,515	0	306	1,662	3,099	3,651	0	1,013
COCOYAM	136,909	1,145	1,082	385	540	466	0	33,208	2,493	903
GROUNDNUT/PEANUTS	126,766	9,802	5,229	746	175	2,633	3,832	4,400	0	63
GUINEA CORN/SORGHUM	119,911	1,660	771	0	1,192	233	20	12,328	306	619
MAIZE	845,365	6,715	1,383	268	6,398	3,302	4,535	28,270	3,316	3,800
MELON/EGUSI	36,524	689	689	0	0	0	0	5,792	0	684
MILLET/MAIWA	97,588	794	562	96	387	0	0	5,472	0	663
RICE	646,550	1,866	690	501	1,236	3,110	2,610	20,359	522	2,054
WHITEYAM	360,393	2,519	1,781	70	1,828	266	947	108,526	7,708	5,296
YELLOWYAM	16,095	78	0	0	0	0	0	5,648	358	0
WATERYAM	62,414	929	385	385	79	0	0	18,915	949	0
THREELEAVEYAM	12,048	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
CUCUMBER	48,026	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
OKRO	251,935	4,994	159	0	0	192	0	13,783	282	1,703
ONION	500,803	1,584	0	0	0	1,692	342	52,811	833	1,669
SWEET/BELLPEPPER(TATASHE)	107,566	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SMALLPEPPER(RODO)	308,061	2,928	831	0	272	610	374	10,768	831	1,021
IRISH POTATO	70,041	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SWEET POTATO	149,132	0	360	0	202	370	0	9,814	951	285
PUMPKIN	198,837	2,599	0	0	183	143	0	5,767	500	0
GREEN VEGETABLE	227,555	3,435	0	0	0	638	79	3,027	469	0
SOYA BEANS	52,192	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
SUGARCANE	124,239	0	290	0	79	0	0	11,220	1,810	118
TOMATO	559,517	3,905	1,087	0	0	486	669	17,136	811	1,025
CHILLIPEPPER(SHOMBO)	98,336	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 20A. Temporary crops and complete harvests: reasons for not harvesting all the planted area, by crop, national level, minor season, Agricultural Year 2022/2023.													
Crop	Total # of plots with the crop	Crops with harvest	Crops with harvest completed	Crops with harvested area equal to the planted area	Crops with harvested area less than planted area	Reason for having the harvested area less than the planted area							
						TOO LITTLE RAIN/DROUGHT	TOO MUCH RAIN/FLOOD	RAIN CAME TOO EARLY	RAIN CAME TOO LATE	ERRATIC/IRREGULAR RAINFALL	HAIL	FROST	TOO MUCH WIND
						Number of plots with the crop							
BEANS/COWPEA	166,535	132,079	123,874	111,016	12,858	3,126	907	845	499	480	0	0	2,211
COCOYAM	136,909	89,859	84,307	67,202	17,106	2,976	7,274	2,672	294	335	0	0	0
GROUNDNUT/PEANUTS	126,766	89,263	82,007	73,749	8,258	2,333	2,398	692	680	393	650	0	964
MAIZE	845,365	738,605	702,581	618,931	83,649	26,168	10,394	3,944	4,486	2,316	1,451	1,166	2,172
RICE	646,550	592,328	569,744	536,072	33,672	3,410	10,471	1,579	3,025	0	0	0	1,843
WHITEYAM	360,393	219,568	211,819	177,583	34,236	13,703	4,552	706	1,399	1,350	0	1,403	670
WATERYAM	62,414	38,695	37,758	28,093	9,664	2,585	2,977	2,299	894	454	0	0	1,695
OKRO	251,935	225,168	214,108	187,144	26,964	6,402	3,180	1,316	270	396	0	0	291
ONION	500,803	435,488	400,791	382,525	18,266	1,761	1,332	198	0	571	409	566	1,816
SMALLPEPPER(RODO)	308,061	286,843	266,437	245,998	20,439	4,530	4,365	1,372	645	419	256	0	2,306
IRISH POTATO	70,041	68,988	68,005	47,314	20,691	841	2,362	1,249	0	0	0	0	422
SWEET POTATO	149,132	131,434	123,729	111,907	11,822	1,506	3,594	778	169	235	0	0	0
PUMPKIN (only pumkin fruit)	198,837	187,342	165,920	152,824	13,096	5,706	1,016	448	0	258	0	0	0
GREEN VEGETABLE	227,555	215,187	195,594	174,473	21,122	4,252	2,097	0	0	0	0	0	752
TOMATO	559,517	520,819	496,983	456,601	40,381	3,493	3,000	1,039	1,666	905	0	605	3,980

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 20B. Temporary crops and complete harvests: reasons for not harvesting all the planted area, by crop, national level, minor season, Agricultural Year 2022/2023. Cont'd

Crop	Total # of plots with the crop	Reason for having the harvested area less than the planted area									
		PEST/DISEASE	FIRE	DISAGREEMENT ON LAND OWNERSHIP	CROP THEFT	UNABLE TO WORK ON THE FIELD DUE TO SICKNESS	NO AVAILABLE LABOR	NOT HARVEST SEASON	DELAYED/DEFERRED HARVEST	DAMAGE DUE TO ANIMALS	OTHER
		Number of plots with the crop									
BEANS/COWPEA	166,535	6,084	273	2,363	595	726	0	0	0	0	0
COCOYAM	136,909	4,154	0	4,272	469	1,509	0	0	0	0	0
GROUNDNUT/PEANUTS	126,766	1,666	0	1,584	0	0	0	0	0	0	0
MAIZE	845,365	36,361	2,109	18,691	2,602	5,569	0	0	0	0	0
RICE	646,550	9,800	0	3,027	1,596	5,156	0	0	0	0	0
WHITEYAM	360,393	19,327	471	8,339	0	129	0	0	0	0	0
WATERYAM	62,414	4,140	396	2,188	172	0	0	0	0	0	0
OKRO	251,935	12,745	991	8,646	0	0	0	0	403	4,198	387
ONION	500,803	11,924	0	3,593	256	462	281	421	1,230	4,119	423
SMALLPEPPER(RODO)	308,061	10,694	147	2,751	0	0	0	0	428	1,938	234
IRISH POTATO	70,041	17,892	0	3,143	1,249	217	0	0	0	0	0
SWEET POTATO	149,132	5,374	481	3,978	31	264	0	0	0	0	0
PUMPKIN (only pumkin fruit)	198,837	4,782	428	3,825	0	0	0	0	0	1,280	0
GREEN VEGETABLE	227,555	12,659	389	3,482	0	301	0	0	0	6,116	285
TOMATO	559,517	24,646	0	7,667	247	237	527	0	1,420	8,522	487

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Appendix 5 [Livestock Tables]

Table 1A: Households having livestock, by livestock type raised, Zone/State level, 2023										
Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Cattle						
				Bulls	Oxen	Cows - Dairy, others	Heifers	Steers	Calves - Males/females	
		Number of holdings ('000)								
North Central	Benue	1833.18	1442.49	6.14	2.62	20.9	3.31	0	2.73	
North Central	Fct	567.24	401.96	26.41	0	62.28	9.87	6.19	17.24	
North Central	Kogi	900.59	696.44	28.67	1.07	52.32	13.88	1.47	18.12	
North Central	Kwara	787.92	620.95	15.59	0.24	138.32	1.45	1.76	14.18	
North Central	Nasarawa	778.07	598.49	51.35	3.41	105.34	17.39	0.12	22.6	
North Central	Niger	1450.12	971.96	160.77	12.52	231.56	0.94	0.48	15.72	
North Central	Plateau	1437.97	1152.85	45.75	8.42	181.99	21.29	1.66	18.15	
North Central	Zone total	7755.09	5885.13	334.67	28.27	792.7	68.12	11.69	108.74	
North East	Adamawa	1184.62	862.76	145.51	17.92	200.88	38.74	17.6	32.5	
North East	Bauchi	1942.25	1803.31	345.53	94.9	738.05	75.01	13.75	44.92	
North East	Borno	1045.44	556.09	73.63	16.54	43.67	1.14	0.27	2.07	
North East	Gombe	532.53	463.24	164.54	32.73	47.21	17.51	0.48	1.2	
North East	Taraba	977.3	652.86	76.04	4.36	107.96	11.69	2.25	6.36	
North East	Yobe	763.25	648.2	147.82	126.43	54.87	28.56	22.45	18.28	
North East	Zone total	6445.39	4986.44	953.06	292.87	1192.65	172.65	56.79	105.33	
North West	Jigawa	1187.32	1110.59	244.92	145.92	212.98	81.74	7.45	42.97	
North West	Kaduna	1996.61	1483.86	76.26	44.23	293.05	6.27	0.99	21.29	
North West	Kano	2368.95	2049.77	372.01	71.91	367	15.63	5.37	25.96	
North West	Katsina	1494.96	1295.14	298.83	146.69	116.74	18.31	16.92	26.17	
North West	Kebbi	1175.38	939.41	211.91	62.8	300.61	18.9	5.67	20.97	
North West	Sokoto	1250.62	911.91	91.37	8.88	264.38	12.06	1.3	29.25	
North West	Zamfara	887.33	616.11	92.42	13.59	55.09	1.44	0.66	5.85	
North West	Zone total	10361.16	8406.79	1387.71	494.01	1609.84	154.34	38.35	172.47	
South East	Abia	911.26	368.92	0	0	0.59	0	0	0	
South East	Anambra	1072.2	600.52	0	0	1.59	0.23	0	0	
South East	Ebonyi	886.9	786.1	13.73	2.21	83.13	4.07	0	24.49	
South East	Enugu	909.29	534.4	0.35	0	4.32	0	0.36	0	
South East	Imo	1191.77	462.84	0.07	0	0.8	0.24	0	0	
South East	Zone total	4971.42	2752.78	14.15	2.21	90.42	4.54	0.36	24.49	
South South	Akwa Ibom	1278.74	727.33	0	0	1.49	0	0	0.55	
South South	Bayelsa	334.64	29.73	0	0	0.23	0	0	0	
South South	Cross River	805.52	440.59	0.24	0	3.02	0.79	0.79	1.24	
South South	Delta	949.8	300.57	0.39	0	1.32	0	0	0.39	
South South	Edo	602.92	144.79	0.98	0	2.16	0.3	0	0.68	
South South	Rivers	1321.47	472.46	2.08	0.95	3.03	0	0	0.86	
South South	Zone total	5293.09	2115.48	3.69	0.95	11.24	1.08	0.79	3.72	

Table 1A: Households having livestock, by livestock type raised, Zone/State level, 2023										
Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Cattle						
				Bulls	Oxen	Cows - Dairy, others	Heifers	Steers	Calves - Males/females	
				Number of holdings ('000)						
South West	Ekiti	477.57	336.3	0.69	0	4.29	0.82	0	0	
South West	Lagos	764.68	535.88	1.34	0	7.67	0.2	0	1.66	
South West	Ogun	1181.33	772.84	13.2	0.04	25.43	2.11	0	0.27	
South West	Ondo	753.96	373.75	1.29	0	0.72	0	0	0	
South West	Osun	912.68	657.52	3.6	0.17	7.51	1.27	0.17	0.43	
South West	Oyo	1304.69	1076.48	15.1	0.15	71.59	1.77	0.2	10.53	
South West	Zone total	5394.91	3752.77	35.22	0.35	117.2	6.17	0.37	12.9	
Nigeria	Total	40221.06	27899.38	2728.51	818.67	3814.05	406.9	108.34	427.65	

Table 1B: Households having livestock, by livestock type raised, Zone/State level, 2023. Cont'd												
Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Goats		Sheep		Camels		Pigs		
				She	He/Kids	Ewes	Rams/Lambs	She	He/Kids	Sows	Boar/piglets	
				Number of holdings ('000)		Number of holdings ('000)						
North Central	Benue	1833.18	1442.49	943.6	828.46	128.04	134.36	0	0	188.88	176.1	
North Central	Fct	567.24	401.96	180.9	159.3	86.73	108.08	0	0	4.63	8.03	
North Central	Kogi	900.59	696.44	450	264.94	103.73	77.14	0.36	0.1	6.55	4.77	
North Central	Kwara	787.92	620.95	430.38	333.91	123.17	124.43	0.61	0.37	5.29	5.39	
North Central	Nasarawa	778.07	598.49	330.21	316.13	100.41	132.49	0.13	0	47.69	53.22	
North Central	Niger	1450.12	971.96	534.19	470.39	252.9	289.95	1.23	4.16	4.74	5.07	
North Central	Plateau	1437.97	1152.85	661.74	586.86	200.67	230.01	0	0	334.93	306.48	
North Central	Zone total	7755.09	5885.13	3531.02	2959.99	995.65	1096.45	2.32	4.62	592.7	559.05	
North East	Adamawa	1184.62	862.76	482.13	369.9	174.58	277.25	2.1	0.82	44.95	37.08	
North East	Bauchi	1942.25	1803.31	1362.91	869.11	770.17	750.57	2.05	2.44	10.16	11.83	
North East	Borno	1045.44	556.09	225.58	233.84	76.91	213.6	0.31	0.32	1.46	1.11	
North East	Gombe	532.53	463.24	280.02	204.03	121.64	161.21	0	0.47	21.83	24.39	
North East	Taraba	977.3	652.86	327.3	250.9	94.03	126.02	0	0	33.26	26.98	
North East	Yobe	763.25	648.2	401.17	287.97	238.43	284.66	3.17	2.54	0	0.41	
North East	Zone total	6445.39	4986.44	3079.11	2215.75	1475.76	1813.31	7.63	6.59	111.66	101.8	
North West	Jigawa	1187.32	1110.59	851.79	664.35	604.69	507.79	3.03	0.98	0.22	0	
North West	Kaduna	1996.61	1483.86	804.54	589.9	208.99	335.85	0.52	0.4	154.84	107.02	
North West	Kano	2368.95	2049.77	1285.25	895.1	853.23	844.15	1.58	2	0.41	0.92	
North West	Katsina	1494.96	1295.14	1025.94	638.55	658.34	530.86	1.52	0.37	0.33	2.47	
North West	Kebbi	1175.38	939.41	598.89	370.35	338.33	459.09	12.39	12.98	2.03	2.16	
North West	Sokoto	1250.62	911.91	572.58	385.95	365.93	390.68	12.83	42.62	0	0	
North West	Zamfara	887.33	616.11	343.56	201.8	288.79	251.31	5.13	11.02	0.28	0.39	
North West	Zone total	10361.16	8406.79	5482.55	3746	3318.3	3319.74	37.01	70.36	158.11	112.97	
South East	Abia	911.26	368.92	147.27	143.36	17.61	13.38	0	0	10.23	12.18	
South East	Anambra	1072.2	600.52	320.33	285.77	56.83	40.48	0	0	22.21	25.15	
South East	Ebonyi	886.9	786.1	566.33	397.05	160.44	107.73	0.21	0.14	25	19.66	
South East	Enugu	909.29	534.4	271.74	190.67	35.46	32.93	0	0	37.07	41.91	
South East	Imo	1191.77	462.84	185.43	157.44	9.96	6.22	0.18	0	17.54	14.82	
South East	Zone total	4971.42	2752.78	1491.09	1174.29	280.31	200.75	0.39	0.14	112.05	113.73	
South South	Akwa Ibom	1278.74	727.33	434.01	379.01	23.38	14	0	0	89.84	75.4	
South South	Bayelsa	334.64	29.73	2.55	1.49	0.19	0.19	0	0	1.67	1.99	
South South	Cross River	805.52	440.59	163.43	167.79	22.78	23.03	0	0	7.35	10.45	
South South	Delta	949.8	300.57	61.2	54.06	1.96	3.93	0	0	7.68	8.71	
South South	Edo	602.92	144.79	49.93	40.41	4.88	5.28	0	0	8.88	7.35	
South South	Rivers	1321.47	472.46	134.4	111.25	9.18	7.16	0	0	17.37	17.03	
South South	Zone total	5293.09	2115.48	845.51	754.01	62.36	53.6	0	0	132.79	120.93	
South West	Ekiti	477.57	336.3	202.24	148.48	14.14	9.34	0	0	5.78	4.97	
South West	Lagos	764.68	535.88	141.47	137.83	40.46	51.1	0.05	0	26.96	28.44	

Table 1B: Households having livestock, by livestock type raised, Zone/State level, 2023. Cont'd											
Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Goats		Sheep		Camels		Pigs	
				She	He/Kids	Ewes	Rams/Lambs	She	He/Kids	Sows	Boar/piglets
				Number of holdings ('000)		Number of holdings ('000)					
South West	Ogun	1181.33	772.84	255.88	209.72	29.72	45.78	0	0.2	57.04	50.74
South West	Ondo	753.96	373.75	123.87	95.36	9.43	9.34	0	0	8.06	7.33
South West	Osun	912.68	657.52	368.82	305.73	57.77	60.52	0	0	16.69	17.65
South West	Oyo	1304.69	1076.48	703.95	510.28	188.11	182.4	0.7	0.7	36.09	35.6
South West	Zone total	5394.91	3752.77	1796.22	1407.4	339.64	358.46	0.75	0.89	150.62	144.73
Nigeria	Total	40221.06	27899.38	16225.51	12257.44	6472.02	6842.32	48.1	82.59	1257.92	1153.2

Table 1C: Households having livestock, by livestock type raised, Zone/State level, 2023								
Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Exotic Hybrid Chicken		Local (indigenous) chicken		
				Hens/layers	cocks/broilers	Hens	Cock	
		Number of holdings ('000)						
North Central	Benue	1833.18	1442.49	25.61	94.84	1073.57	951.31	
North Central	Fct	567.24	401.96	30.27	156.83	147.47	129.48	
North Central	Kogi	900.59	696.44	27.53	57.77	448.89	259.02	
North Central	Kwara	787.92	620.95	20.48	131.12	310.28	243.43	
North Central	Nasarawa	778.07	598.49	21.44	70.79	357.72	343.77	
North Central	Niger	1450.12	971.96	11.47	67.42	397.23	297.75	
North Central	Plateau	1437.97	1152.85	26	144.4	672.4	628.04	
North Central	Zone total	7755.09	5885.13	162.78	723.18	3407.54	2852.8	
North East	Adamawa	1184.62	862.76	22.63	52.43	329.01	324.92	
North East	Bauchi	1942.25	1803.31	22.1	45.02	1093.24	732.34	
North East	Borno	1045.44	556.09	31.98	104.34	129.79	123.07	
North East	Gombe	532.53	463.24	8.64	17.49	149.96	106.68	
North East	Taraba	977.3	652.86	11.53	50.6	319.13	251.12	
North East	Yobe	763.25	648.2	8.68	32.06	231.4	179.23	
North East	Zone total	6445.39	4986.44	105.57	301.94	2252.54	1717.35	
North West	Jigawa	1187.32	1110.59	13.23	16.83	646.17	541.28	
North West	Kaduna	1996.61	1483.86	40	264.29	658.38	500.47	
North West	Kano	2368.95	2049.77	93.54	287.98	853.44	587.54	
North West	Katsina	1494.96	1295.14	8.48	74.8	636.27	512.96	
North West	Kebbi	1175.38	939.41	14.17	41.53	361.55	277.55	
North West	Sokoto	1250.62	911.91	7.28	42.92	298.09	231.91	
North West	Zamfara	887.33	616.11	3.54	19.63	214.5	147.17	
North West	Zone total	10361.16	8406.79	180.24	747.98	3668.42	2798.87	
South East	Abia	911.26	368.92	37.72	180.01	105.74	100.62	
South East	Anambra	1072.2	600.52	84.05	213.23	197.14	204.62	
South East	Ebonyi	886.9	786.1	30.56	82.65	556.99	522.73	
South East	Enugu	909.29	534.4	18.56	119.98	226.56	222.24	
South East	Imo	1191.77	462.84	86.1	183.4	189.17	178.96	
South East	Zone total	4971.42	2752.78	256.99	779.27	1275.6	1229.18	
South South	Akwa Ibom	1278.74	727.33	43.8	147.34	332.52	321.52	
South South	Bayelsa	334.64	29.73	9.43	13.42	8.32	5.03	
South South	Cross River	805.52	440.59	24.1	97.96	296.02	296.32	
South South	Delta	949.8	300.57	34.81	178.34	76.9	64.5	
South South	Edo	602.92	144.79	20.8	55.25	34.19	28.72	
South South	Rivers	1321.47	472.46	64.31	210.42	155.69	125.02	
South South	Zone total	5293.09	2115.48	197.24	702.73	903.63	841.11	
South West	Ekiti	477.57	336.3	11.56	99.18	233.15	194.05	
South West	Lagos	764.68	535.88	111	223.14	159.78	155.8	
South West	Ogun	1181.33	772.84	104.02	315.75	336.21	328.73	
South West	Ondo	753.96	373.75	27.46	202.04	150.6	135.23	

Table 1C: Households having livestock, by livestock type raised, Zone/State level, 2023							
Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Exotic Hybrid Chicken		Local (indigenous) chicken	
				Hens/layers	cocks/broilers	Hens	Cock
		Number of holdings ('000)					
South West	Osun	912.68	657.52	62.38	216.97	380.53	309.69
South West	Oyo	1304.69	1076.48	61.6	390.45	561.1	443.85
South West	Zone total	5394.91	3752.77	378.02	1447.53	1821.37	1567.35
Nigeria	Total	40221.06	27899.38	1280.83	4702.63	13329.09	11006.65

Table 1D: Households having livestock, by livestock type raised, Zone/State level, 2023

Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Turkey	Ducks	Geese	Guineafowls	Other Poultry	Horses	Mules/Donkeys	Other livestock
North Central	Benue	1833.18	1442.49	25.69	168.6	0.63	14.41	0.28	0	0	1.35
North Central	Fct	567.24	401.96	34.98	13.86	0	13.36	1.57	0.69	0	1.68
North Central	Kogi	900.59	696.44	16.71	52.94	0	35.76	0.27	0.52	0.39	0.13
North Central	Kwara	787.92	620.95	34.02	12.53	0.9	26.13	0.93	0.91	0.59	1.95
North Central	Nasarawa	778.07	598.49	28.97	41.19	0.22	14.67	0.17	0.06	0	0.27
North Central	Niger	1450.12	971.96	23.02	74.27	0.99	44.84	3.11	2	2.23	1.33
North Central	Plateau	1437.97	1152.85	22.17	127.91	0.75	11.11	0.16	0	0.26	11.48
North Central	Zone total	7755.09	5885.13	185.54	491.3	3.48	160.28	6.49	4.17	3.46	18.2
North East	Adamawa	1184.62	862.76	12.43	75.83	0.85	53.84	0	1.13	2.15	0.58
North East	Bauchi	1942.25	1803.31	24.83	190.91	2.13	311.83	7.86	3.14	7.22	7.54
North East	Borno	1045.44	556.09	17.47	36.92	0.8	8.56	0.64	1.02	2.77	0.47
North East	Gombe	532.53	463.24	6.86	34.61	0	12.3	0	0.79	2.93	0.88
North East	Taraba	977.3	652.86	13.21	76.3	0	11.83	0.5	0.21	0.84	0
North East	Yobe	763.25	648.2	14.56	35	0	45.91	0.48	3.49	7.39	0.5
North East	Zone total	6445.39	4986.44	89.36	449.57	3.79	444.26	9.48	9.78	23.29	9.96
North West	Jigawa	1187.32	1110.59	10.1	102.51	3.94	219.8	6.39	2.92	2.65	2.29
North West	Kaduna	1996.61	1483.86	55.24	66.87	1.22	68.82	0.65	1.77	3.32	2.41
North West	Kano	2368.95	2049.77	49.61	115.57	6.2	178.63	8.51	4.31	9.36	3.16
North West	Katsina	1494.96	1295.14	21.85	52.38	1.19	142.25	1.57	2.74	5.49	1.79
North West	Kebbi	1175.38	939.41	4.36	23.85	1.69	76.66	0.29	0.59	19.07	2.39
North West	Sokoto	1250.62	911.91	17.98	30.59	0.1	127.02	1.4	2.46	82.33	0.29
North West	Zamfara	887.33	616.11	12.13	22.52	0.59	50.04	0.32	0.42	18.39	0
North West	Zone total	10361.16	8406.79	171.27	414.28	14.93	863.22	19.13	15.21	140.61	12.34
South East	Abia	911.26	368.92	10.67	2.32	0	11.62	0	0	0.31	0.37
South East	Anambra	1072.2	600.52	29.79	12.3	0	3.55	1.9	0	0	0.64
South East	Ebonyi	886.9	786.1	11.63	29.33	0	11.45	0	0	0	2.15
South East	Enugu	909.29	534.4	22.78	8.27	0	0.93	0.44	0.38	0	1.98
South East	Imo	1191.77	462.84	10.24	1.31	0	0.91	1.26	0	0	0.59
South East	Zone total	4971.42	2752.78	85.1	53.52	0	28.46	3.59	0.38	0.31	5.72
South South	Akwa Ibom	1278.74	727.33	6.54	11.9	0	4.66	0	0	0	2.4
South South	Bayelsa	334.64	29.73	0.55	2.14	0	0	0.3	0	0	0.41
South South	Cross River	805.52	440.59	8.93	20.1	0	0	0	0	0	0.68
South South	Delta	949.8	300.57	19.13	8.99	0	0.78	0	0	0	0.24
South South	Edo	602.92	144.79	10.06	6.71	0	0.76	0	0	0	1.23

Table 1D: Households having livestock, by livestock type raised, Zone/State level, 2023

Zone/State Level		Total number of agricultural households ('000)	Total holdings with any livestock/poultry production	Turkey	Ducks	Geese	Guineafowls	Other Poultry	Horses	Mules/Donkeys	Other livestock
			Number of holdings ('000)	Number of holdings ('000)							
South South	Rivers	1321.47	472.46	20.73	17.18	0	6.58	0.9	0	0	0.79
South South	Zone total	5293.09	2115.48	65.93	67.01	0	12.79	1.2	0	0	5.74
South West	Ekiti	477.57	336.3	19.38	8.41	0	0.97	0.5	0	0	3.16
South West	Lagos	764.68	535.88	58.12	19.15	0	5.95	1.12	0.3	0	8.85
South West	Ogun	1181.33	772.84	82.79	37.01	1.38	3.02	0.77	0	0	7.46
South West	Ondo	753.96	373.75	39.69	10.85	0	2.37	0.46	0	0	2.03
South West	Osun	912.68	657.52	45.01	16.75	0.32	8.18	0.61	0	0.97	3.52
South West	Oyo	1304.69	1076.48	102.09	35.86	0	41.41	0.43	0.97	0.07	7.46
South West	Zone total	5394.91	3752.77	347.07	128.03	1.71	61.89	3.88	1.26	1.04	32.48
Nigeria	Total	40221.06	27899.38	944.26	1603.71	23.91	1570.89	43.77	30.81	168.71	84.44

Table 2A: Livestock, holdings reporting, number of animals reported, average animals per holding reporting, herd size, Zone level, 2023										
Zone Level		Cattle, Total (1)								
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day	Cattle, herd size categories					
				(number of animals/number of holdings)	(on the reference day)					
					1-2 animals	3 to 9 animals	10 to 19 animals	20 or more animals		
					Number of holdings ('000)					
North Central	Zone Total	1,051.06	15,913,363	15.1	220.24	342.19	166.72	259.32		
North East	Zone Total	2,188.90	17,994,424	8.2	690.1	865.98	305.13	236.43		
North West	Zone Total	3,303.23	17,860,977	5.4	1,537.68	1,099.86	254.22	169.93		
South East	Zone Total	101.12	454,966	4.5	41.48	47.57	4.39	2.15		
South South	Zone Total	12.91	307,479	23.8	1.64	3.26	1.43	5.88		
South West	Zone Total	136.04	2,274,900	16.7	15.42	45.61	30.7	38.85		
Nigeria	Total	6,793.26	54,806,109	8.1	2,506.56	2,404.47	762.59	712.56		

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Pigs, total includes sows and boars/piglets

(5) Camels, total includes she camels and he/kids

Table 2B: Livestock, holdings reporting, number of animals reported, average animals per holding reporting, herd size, Zone level, 2023								
Zone Level		Goats, Total (2)						
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Goat, herd size categories (on the reference day)			
					1-2 animals	3 to 9 animals	10 to 19 animals	20 or more animals
					Number of holdings ('000)			
North Central	Zone Total	4,056.86	33,905,101	8.4	425.14	2120.22	939.66	324.2
North East	Zone Total	3,738.47	30,029,821	8	401.64	2021.15	848.35	271.07
North West	Zone Total	6,402.39	43,315,160	6.8	801.28	3,790.71	1086.33	281.91
South East	Zone Total	1707.98	9,676,055	5.7	318.51	1004.91	218.54	43.28
South South	Zone Total	975.53	7,563,166	7.8	137.54	534.86	142.49	69.5
South West	Zone Total	1949.21	14,458,516	7.4	278.63	1084.37	348.9	112.1
Nigeria	Total	18,830.45	138,947,819	7.4	2,362.75	10,556.22	3584.28	1102.05

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Pigs, total includes sows and boars/piglets

(5) Camels, total includes she camels and he/kids

Table 2C: Livestock, holdings reporting, number of animals reported, average animals per holding reporting, herd size, Zone level, 2023								
Zone Level		Sheep, Total (3)						
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Sheep, herd size categories (on the reference day)			
					1-2 animals	3 to 9 animals	10 to 19 animals	20 or more animals
		Number of holdings ('000)						
North Central	Zone Total	1,469.02	12,946,435	8.8	199.03	687.29	329.53	149.26
North East	Zone Total	2,502.74	18,175,229	7.3	389.68	1353.95	441.47	148.8
North West	Zone Total	4,966.60	28,031,240	5.6	974.62	2,807.04	598.12	150.08
South East	Zone Total	375.23	1,587,864	4.2	98.33	196.06	30.27	4.31
South South	Zone Total	83.16	614,605	7.4	16.76	39.19	10.39	8.19
South West	Zone Total	486.76	3,572,462	7.3	99.17	217.63	75.52	40.05
Nigeria	Total	9,883.51	64,927,834	6.6	1,777.60	5,301.16	1485.3	500.69

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Pigs, total includes sows and boars/piglets

(5) Camels, total includes she camels and he/kids

Table 2D: Livestock, holdings reporting, number of animals reported, average animals per holding reporting, herd size, Zone level, 2023									
Zone Level		Pigs, Total (4)							
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Pig, herd size categories (on the reference day)				
					1-2 animals	3 to 9 animals	10 to 19 animals	20 or more animals	
		Number of holdings ('000)							
North Central	Zone Total	792.86	3,996,553	5	248.8	354.84	75.68	27.04	
North East	Zone Total	182.82	1,004,653	5.5	52.48	82.72	20.12	8.64	
North West	Zone Total	197.68	882,299	4.5	77.40	96.02	13.14	3.86	
South East	Zone Total	151.47	2,950,667	19.5	10.87	46.99	29.74	41.25	
South South	Zone Total	156.54	2,400,111	15.3	21.48	53.72	30.95	30.51	
South West	Zone Total	185.94	3,240,159	17.4	14.37	60.16	38.92	50.8	
Nigeria	Total	1,667.30	14,474,442	8.7	425.40	694.45	208.55	162.1	

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Pigs, total includes sows and boars/piglets

(5) Camels, total includes she camels and he/kids

Table 2E: Livestock, holdings reporting, number of animals reported, average animals per holding reporting, herd size, Zone level, 2023

Zone Level		Horses							
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Horse, herd size categories (on the reference day)				
					1-2 animals	3 to 9 animals	10 to 19 animals	20 or more animals	
					Number of holdings ('000)				
North Central	Zone Total	4.17	(S)	(S)	(S)	(S)	(S)	(S)	
North East	Zone Total	9.78	26,815	2.7	7.43	1.79	0.2	0.08	
North West	Zone Total	15.21	35,943	2.4	10.95	1.93	0.28	0.31	
South East	Zone Total	0.38	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Zone Total	0	-	-	-	-	-	-	
South West	Zone Total	1.26	(S)	(S)	(S)	(S)	(S)	(S)	
Nigeria	Total	30.81	74,268	2.4	20.34	5.43	0.48	0.42	

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Pigs, total includes sows and boars/piglets

(5) Camels, total includes she camels and he/kids

Table 2F: Livestock, holdings reporting, number of animals reported, average animals per holding reporting, herd size, Zone level, 2023									
Zone Level		Mules/Donkeys							
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Mules/Donkeys, herd size categories (on the reference day)				
					1-2 animals	3 to 9 animals	10 to 19 animals	20 or more animals	
					Number of holdings ('000)				
North Central	Zone Total	3.46	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone Total	23.29	82,118	3.5	13.06	8.39	1.1	0.26	
North West	Zone Total	140.61	197,840	1.4	118.45	12.37	0.23	NA	
South East	Zone Total	0.31	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone Total	0	-	-	-	-	-	-	-
South West	Zone Total	1.04	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Nigeria	Total	168.71	295,095	1.7	133.28	23.16	1.6	0.26	

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Pigs, total includes sows and boars/piglets

(5) Camels, total includes she camels and he/kids

Table 2G: Livestock, holdings reporting, number of animals reported, average animals per holding reporting, herd size, Zone level, 2023								
Zone Level		Camels, Total (5)						
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Camel, herd size categories (on the reference day)			
					1-2 animals	3 to 9 animals	10 to 19 animals	20 or more animals
		Number of holdings ('000)						
North Central	Zone Total	6.83	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone Total	12.26	61,007	5	4.66	5522	1476	NA
North West	Zone Total	103.37	191,912	1.9	80.56	11,097.00	578	1183
South East	Zone Total	0.53	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone Total	0	-	-	-	-	-	-
South West	Zone Total	0.94	(S)	(S)	(S)	(S)	(S)	(S)
Nigeria	Total	123.93	272,866	2.2	91.46	18,140.00	2278	1183

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Pigs, total includes sows and boars/piglets

(5) Camels, total includes she camels and he/kids

Table 3A: Poultry, holdings reporting, number of animals reported, average animals per holding reporting, flock size, Zone level, 2023								
Zone Level		Exotic/hybrid chickens, total(1)						
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Poultry, flock size categories (on the reference day)			
					1 to 9 fowls	10 to 99 fowls	100 to 499 fowls	500 or more fowls
					Number of holdings ('000)			
North Central	Zone Total	813.53	64,859,500	79.7	94.75	437.19	130.47	26.83
North East	Zone Total	368.00	35,948,535	97.7	79.88	179.07	14.92	3.37
North West	Zone Total	844.64	65,700,700	77.8	107.79	442.00	151.05	24.14
South East	Zone Total	869.7	53,811,895	61.9	138.64	404.37	97.03	19.57
South South	Zone Total	774.67	85,816,707	110.8	98.07	314.75	150.25	40.48
South West	Zone Total	1552.86	102,990,445	66.3	461.1	690.4	119.86	39.43
Nigeria	Total	5,223.40	409,127,782	78.3	980.22	2,467.77	663.57	153.83

(1) Includes hens/layers and cocks/broilers

Table 3B: Poultry, holdings reporting, number of animals reported, average animals per holding reporting, flock size, Zone level, 2023									
Zone Level		Local (indigenous) chickens, total (1)							
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Poultry, flock size categories (on the reference day)				
					1 to 9 fowls	10 to 99 fowls	100 to 499 fowls	500 or more fowls	
					Number of holdings ('000)				
North Central	Zone Total	3,759.25	61,502,280	16.4	1191.23	2383.68	19.65	1.81	
North East	Zone Total	2,737.84	37,506,715	13.7	972.09	1580.39	6.64	0.49	
North West	Zone Total	4,233.18	62,865,689	14.9	1,568.38	2,405.65	26.77	1.02	
South East	Zone Total	1541.31	21,824,130	14.2	626.11	842.05	12.22	0	
South South	Zone Total	1036.07	19,112,656	18.4	405.86	557.77	18.74	2.26	
South West	Zone Total	1990.66	31,005,710	15.6	773.8	1131.7	14.83	1.29	
Nigeria	Total	15,298.30	233,817,181	15.3	5,537.47	8,901.23	98.85	6.88	

(1) Includes hens/layers and cocks/broilers

Table 3C: Poultry, holdings reporting, number of animals reported, average animals per holding reporting, flock size, Zone level, 2023								
Zone Level		Turkey						
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Poultry, flock size categories (on the reference day)			
					1 to 9 fowls	10 to 99 fowls	100 to 499 fowls	500 or more fowls
		Number of holdings ('000)						
North Central	Zone Total	185.54	2,063,138	11.1	124.29	47.21	0.85	0.32
North East	Zone Total	89.36	511,778	5.7	61.24	17.11	0	0
North West	Zone Total	171.27	1,017,928	5.9	124.07	26.59	0.63	0
South East	Zone Total	85.1	1,187,098	13.9	38.8	24.58	0.45	0.17
South South	Zone Total	65.93	1,305,181	19.8	32.25	20.89	2.9	0.39
South West	Zone Total	347.07	3,606,792	10.4	222.55	81.56	2.56	0.24
Nigeria	Total	944.26	9,691,914	10.3	603.19	217.94	7.39	1.12

(1) Includes hens/layers and cocks/broilers

Table 3D: Poultry, holdings reporting, number of animals reported, average animals per holding reporting, flock size, Zone level, 2023								
Zone Level		Ducks						
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Poultry, flock size categories (on the reference day)			
					1 to 9 fowls	10 to 99 fowls	100 to 499 fowls	500 or more fowls
		Number of holdings ('000)						
North Central	Zone Total	491.30	3,757,903	7.6	311.71	134.2	0.17	0
North East	Zone Total	449.57	3,551,825	7.9	257.38	138.91	0.25	0
North West	Zone Total	414.28	2,528,541	6.1	271.11	77.50	0.44	0
South East	Zone Total	53.52	394,702	7.4	28.54	10.73	0.44	0
South South	Zone Total	67.01	904,313	13.5	38.67	22.94	0.86	0
South West	Zone Total	128.03	1,134,773	8.9	86.85	30.92	0.53	0.24
Nigeria	Total	1,603.71	12,272,058	7.7	994.27	415.21	2.69	0.24

(1) Includes hens/layers and cocks/broilers

Table 3E: Poultry, holdings reporting, number of animals reported, average animals per holding reporting, flock size, Zone level, 2023								
Zone Level		Geese						
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Poultry, flock size categories (on the reference day)			
					1 to 9 fowls	10 to 99 fowls	100 to 499 fowls	500 or more fowls
					Number of holdings ('000)			
North Central	Zone Total	3.48	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone Total	3.79	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zone Total	14.93	185,020	12.4	8.67	5.19	0.21	0
South East	Zone Total	0	-	-	-	-	-	-
South South	Zone Total	0	-	-	-	-	-	-
South West	Zone Total	1.71	(S)	(S)	(S)	(S)	(S)	(S)
Nigeria	Total	23.91	225,700	9.4	16.82	5.88	0.21	0

(1) Includes hens/layers and cocks/broilers

Table 3F: Poultry, holdings reporting, number of animals reported, average animals per holding reporting, flock size, Zone level, 2023									
Zone Level		Guineafowls							
		Number of holdings reporting animal presence during the last 12 months ('000)	Total number of animals on the holdings on the reference day	Average number of animals per holding on the reference day (number of animals/number of holdings)	Poultry, flock size categories (on the reference day)				
					1 to 9 fowls	10 to 99 fowls	100 to 499 fowls	500 or more fowls	
					Number of holdings ('000)				
North Central	Zone Total	160.28	1,667,324	10.4	82.74	64.52	0	0	
North East	Zone Total	444.26	5,721,551	12.9	171.65	237.55	0.83	0	
North West	Zone Total	863.22	10,052,964	11.6	375.82	375.66	3.95	0	
South East	Zone Total	28.46	436,816	15.3	6.74	12.99	0.67	0	
South South	Zone Total	12.79	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Zone Total	61.89	548,168	8.9	35.47	20.6	0	0	
Nigeria	Total	1,570.89	18,547,121	11.8	675.71	717.39	5.45	0	

(1) Includes hens/layers and cocks/broilers

Table 4A: Large and medium - sized animals, inventory changes during the reference period, by Zone level, 2023.

Zone Level		Number of holdings reporting animal category ('000)	Incoming animals					
			Births		Purchases		Received	
			Total number of births	Average number of births per holding	Total number of animals bought	Average number of animals bought per holding	Total number of animals received (including exchange)	Average number of animals received (including exchange) per holding
North Central - Zone total	Cattle (1)	1,051.06	229,979	0.22	3,361,682	3.2	309,170	0.29
	Goats (2)	4,056.86	18,434,734	4.54	4,145,449	1.02	761,860	0.19
	Sheep (3)	1,469.02	6,051,388	4.12	1,563,270	1.06	259,152	0.18
	Camels (4)	6.83	(S)	(S)	(S)	(S)	(S)	(S)
	Pigs (5)	792.86	3,300,268	4.16	564,926	0.71	82,483	0.1
	Horses	4.17	(S)	(S)	(S)	(S)	(S)	(S)
	Mules/dunkeys	3.46	(S)	(S)	(S)	(S)	(S)	(S)
North East - Zone Total	Cattle (1)	2,188.90	492,268	0.22	4,337,082	1.98	371,771	0.17
	Goats (2)	3,738.47	14,980,675	4.01	3,668,418	0.98	498,043	0.13
	Sheep (3)	2,502.74	7,855,352	3.14	2,547,197	1.02	279,840	0.11
	Camels (4)	12.26	32,983	2.69	16,007	1.31	2,660	0.22
	Pigs (5)	182.82	625,536	3.42	114,041	0.62	11,106	0.06
	Horses	9.78	6,572	0.67	4,044	0.41	115	0.01
	Mules/dunkeys	23.29	35,045	1.5	16,484	0.71	2,539	0.11
North West - Zone Total	Cattle (1)	3,303.23	248,591	0.08	6,702,625	2.03	934,131	0.28
	Goats (2)	6,402.39	23,687,896	3.7	7,788,092	1.22	1,317,578	0.21
	Sheep (3)	4,966.60	14,103,682	2.84	6,041,221	1.22	942,717	0.19
	Camels (4)	103.37	118,760	1.15	74,285	0.72	28,597	0.28
	Pigs (5)	197.68	801,016	4.05	70,342	0.36	16,981	0.09
	Horses	15.21	18,188	1.2	31,240	2.05	4,804	0.32
	Mules/dunkeys	140.61	48,470	0.34	81,367	0.58	5,670	0.04
South East - Zone Total	Cattle (1)	101.12	1,982	0.02	89,409	0.88	18,408	0.18
	Goats (2)	1,707.98	5,530,066	3.24	1,605,817	0.94	210,600	0.12
	Sheep (3)	375.23	888,168	2.37	271,423	0.72	57,895	0.15
	Camels (4)	0.53	(S)	(S)	(S)	(S)	(S)	(S)
	Pigs (5)	151.47	2,279,358	15.05	823,785	5.44	10,215	0.07
	Horses	0.38	(S)	(S)	(S)	(S)	(S)	(S)
	Mules/dunkeys	0.31	(S)	(S)	(S)	(S)	(S)	(S)
South South - Zone Total	Cattle (1)	12.91	885	0.07	255,845	19.81	4,773	0.37
	Goats (2)	975.53	4,544,978	4.66	1,818,230	1.86	196,606	0.2
	Sheep (3)	83.16	386,770	4.65	193,109	2.32	13,871	0.17
	Camels (4)	0	-	-	-	-	-	-
	Pigs (5)	156.54	1,504,623	9.61	615,593	3.93	15,076	0.1

Table 4A: Large and medium - sized animals, inventory changes during the reference period, by Zone level, 2023.

Zone Level	Number of holdings reporting animal category ('000)	Incoming animals						
		Births		Purchases		Received		
		Total number of births	Average number of births per holding	Total number of animals bought	Average number of animals bought per holding	Total number of animals received (including exchange)	Average number of animals received (including exchange) per holding	
Horses	0	-	-	-	-	-	-	
Mules/dunkeys	0	-	-	-	-	-	-	
South West - Zone Total	Cattle (1)	136.04	(S)	(S)	(S)	(S)	(S)	(S)
	Goats (2)	1,949.21	8,701,090	4.46	1,996,739	1.02	342,067	0.18
	Sheep (3)	486.76	(S)	(S)	(S)	(S)	(S)	(S)
	Camels (4)	0.94	(S)	(S)	(S)	(S)	(S)	(S)
	Pigs (5)	185.94	2,620,873	14.1	439,939	2.37	26,549	0.14
	Horses	1.26	296	0.23	1,775	1.41	0	0
	Mules/dunkeys	1.04	1,338	1.28	605	0.58	0	0
Nigeria - Total	Cattle (1)	6,793.26	997,992	0.15	15,309,571	2.25	1,676,115	0.25
	Goats (2)	18,830.45	75,879,438	4.03	21,022,745	1.12	3,326,754	0.18
	Sheep (3)	9,883.51	30,996,238	3.14	11,292,491	1.14	1,602,958	0.16
	Camels (4)	123.93	154,806	1.25	93,937	0.76	31,337	0.25
	Pigs (5)	1,667.30	11,131,675	6.68	2,628,626	1.58	162,411	0.1
	Horses	30.81	27,052	0.88	43,700	1.42	5,430	0.18
	Mules/dunkeys	168.71	87,973	0.52	99,760	0.59	8,325	0.05

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Camels, total includes she camels and he/kids

(5) Pigs, total includes sows and boars/piglets

Table 4B: Large and medium - sized animals, inventory changes during the reference period, by Zone level, 2023.

Zone Level		Number of holdings reporting animal category ('000)	Outgoing animals							
			Sales		Deaths		Lost		Given away	
			Total number of animals sold alive	Average number of animals sold alive per holding	Total number of deaths	Average number of deaths per holding	Total number of animals stolen	Average number of animals stolen per holding	Total number of animals given away as gift	Average number of animals given away as gift per holding
North Central - Zone total	Cattle (1)	1,051.06	2,384,495	2.27	272,204	0.26	249,861	0.24	149,355	0.14
	Goats (2)	4,056.86	8,329,663	2.05	1,923,544	0.47	1,162,935	0.29	777,655	0.19
	Sheep (3)	1,469.02	2,944,210	2	534,729	0.36	387,012	0.26	265,890	0.18
	Camels (4)	6.83	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Pigs (5)	792.86	1,549,464	1.95	467,864	0.59	97,279	0.12	110,751	0.14
	Horses	4.17	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Mules/dunkeys	3.46	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East - Zone Total	Cattle (1)	2,188.90	2,448,661	1.12	309,361	0.14	188,908	0.09	130,850	0.06
	Goats (2)	3,738.47	5,636,575	1.51	1,350,317	0.36	634,917	0.17	385,979	0.1
	Sheep (3)	2,502.74	3,093,741	1.24	580,836	0.23	281,079	0.11	211,062	0.08
	Camels (4)	12.26	10,567	0.86	1,476	0.12	1,749	0.14	1,403	0.11
	Pigs (5)	182.82	239,351	1.31	61,956	0.34	22,758	0.12	11,699	0.06
	Horses	9.78	1,262	0.13	1,586	0.16	953	0.1	0	0
	Mules/dunkeys	23.29	9,388	0.4	1,738	0.07	766	0.03	4,281	0.18
North West - Zone Total	Cattle (1)	3,303.23	3,311,136	1	371,321	0.11	733,892	0.22	542,179	0.16
	Goats (2)	6,402.39	10,592,558	1.65	1,726,129	0.27	1,744,629	0.27	1,146,230	0.18
	Sheep (3)	4,966.60	6,599,040	1.33	858,771	0.17	1,242,798	0.25	766,553	0.15
	Camels (4)	103.37	48,375	0.47	4,654	0.05	17,283	0.17	18,341	0.18
	Pigs (5)	197.68	409,483	2.07	48,136	0.24	19,595	0.1	72,044	0.36
	Horses	15.21	17,634	1.16	0	0	1,270	0.08	199	0.01
	Mules/dunkeys	140.61	33,814	0.24	11,421	0.08	6,467	0.05	1,897	0.01
South East - Zone Total	Cattle (1)	101.12	93,083	0.92	15,852	0.16	3,548	0.04	4,495	0.04
	Goats (2)	1,707.98	3,068,603	1.8	599,502	0.35	134,203	0.08	212,755	0.12
	Sheep (3)	375.23	492,091	1.31	101,208	0.27	29,918	0.08	39,269	0.1
	Camels (4)	0.53	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Pigs (5)	151.47	1,737,561	11.47	278,369	1.84	27,133	0.18	25,019	0.17
	Horses	0.38	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Mules/dunkeys	0.31	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South - Zone Total	Cattle (1)	12.91	191,706	14.85	3,663	0.28	0	0	2,319	0.18
	Goats (2)	975.53	3,098,020	3.18	485,973	0.5	128,634	0.13	223,740	0.23
	Sheep (3)	83.16	298,246	3.59	26,632	0.32	10,659	0.13	18,668	0.22
	Camels (4)	0	-	-	-	-	-	-	-	-

Table 4B: Large and medium - sized animals, inventory changes during the reference period, by Zone level, 2023.										
Zone Level		Number of holdings reporting animal category ('000)	Outgoing animals							
			Sales		Deaths		Lost		Given away	
			Total number of animals sold alive	Average number of animals sold alive per holding	Total number of deaths	Average number of deaths per holding	Total number of animals stolen	Average number of animals stolen per holding	Total number of animals given away as gift	Average number of animals given away as gift per holding
	Pigs (5)	156.54	1,112,594	7.11	142,044	0.91	13,675	0.09	29,126	0.19
	Horses	0	-	-	-	-	-	-	-	-
	Mules/dunkeys	0	-	-	-	-	-	-	-	-
South West - Zone Total	Cattle (1)	136.04	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Goats (2)	1,949.21	4,861,166	2.49	899,420	0.46	894,869	0.46	488,927	0.25
	Sheep (3)	486.76	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Camels (4)	0.94	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Pigs (5)	185.94	2,132,761	11.47	506,255	2.72	20,061	0.11	74,396	0.4
	Horses	1.26	1682	1.33	0	0	0	0	148	0.12
	Mules/dunkeys	1.04	405	0.39	0	0	0	0	0	0
Nigeria - Total	Cattle (1)	6,793.26	9,084,958	1.34	1,022,591	0.15	1,198,807	0.18	841,407	0.12
	Goats (2)	18,830.45	35,586,585	1.89	6,984,885	0.37	4,700,187	0.25	3,235,286	0.17
	Sheep (3)	9,883.51	14,507,472	1.47	2,241,467	0.23	2,099,651	0.21	1,378,553	0.14
	Camels (4)	123.93	61,465	0.5	6,209	0.05	19,148	0.15	19,902	0.16
	Pigs (5)	1,667.30	7,181,213	4.31	1,504,624	0.9	200,501	0.12	323,034	0.19
	Horses	30.81	24,728	0.8	2,548	0.08	2,223	0.07	514	0.02
	Mules/dunkeys	168.71	47,332	0.28	13,159	0.08	7,233	0.04	6,178	0.04

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Camels, total includes she camels and he/kids

(5) Pigs, total includes sows and boars/piglets

Table 4C: Large and medium - sized animals, inventory changes during the reference period, by Zone level, 2023.

Zone Level	Number of holdings reporting animal category ('000)	Outgoing animals					
		Slaughtered		Total number of animals taken to the abattoir for slaughtering in past 12 months			
		Total number of animals slaughtered in last 12 months	Average number of animals slaughtered per holding	Total number of animals taken to the abattoir for slaughtering in past 12 months	Percent of slaughtered animals for home consumption	Percent of slaughtered animals for selling	
North Central - Zone total	Cattle (1)	1,051.06	163,408	0.16	163,865	27.23	23
	Goats (2)	4,056.86	2,215,032	0.55	384,568	49.74	3
	Sheep (3)	1,469.02	634,181	0.43	112,693	49.23	3
	Camels (4)	6.83	(S)	(S)	(S)	(S)	(S)
	Pigs (5)	792.86	168,955	0.21	69,932	30.52	14
	Horses	4.17	(S)	(S)	(S)	-	-
	Mules/dunkeys	3.46	(S)	(S)	(S)	-	-
North East - Zone Total	Cattle (1)	2,188.90	306,471	0.14	119,895	26.25	12
	Goats (2)	3,738.47	1,446,582	0.39	429,915	35.78	4
	Sheep (3)	2,502.74	1,056,126	0.42	297,013	38.85	4
	Camels (4)	12.26	785	0.06	4,079	(S)	(S)
	Pigs (5)	182.82	26,585	0.15	15,453	28.46	8
	Horses	9.78	0	0	0	-	-
	Mules/dunkeys	23.29	568	0.02	1,421	(S)	(S)
North West - Zone Total	Cattle (1)	3,303.23	888,008	0.27	1,216,354	26.63	20
	Goats (2)	6,402.39	3,580,624	0.56	3,295,832	39.04	6
	Sheep (3)	4,966.60	2,790,748	0.56	2,884,600	41.15	5
	Camels (4)	103.37	47,050	0.46	78,062	(S)	(S)
	Pigs (5)	197.68	43,348	0.22	103,166	28.79	14
	Horses	15.21	3,753	0.25	24,011	(S)	(S)
	Mules/dunkeys	140.61	422	0	829	(S)	(S)
South East - Zone Total	Cattle (1)	101.12	5,180	0.05	2,783	(S)	(S)
	Goats (2)	1,707.98	728,326	0.43	151,558	42.66	3
	Sheep (3)	375.23	70,236	0.19	13,328	44.6	8
	Camels (4)	0.53	(S)	(S)	(S)	-	-
	Pigs (5)	151.47	109,650	0.72	134,507	22.93	22
	Horses	0.38	(S)	(S)	(S)	-	-
	Mules/dunkeys	0.31	(S)	(S)	(S)	-	-
South South - Zone Total	Cattle (1)	12.91	122875	9.52	86,156	(S)	(S)
	Goats (2)	975.53	647,399	0.66	202,002	53.99	5
	Sheep (3)	83.16	74,578	0.9	44,048	44.08	22
	Camels (4)	0	-	-	-	-	-
	Pigs (5)	156.54	58,690	0.37	22,165	33.35	21

Table 4C: Large and medium - sized animals, inventory changes during the reference period, by Zone level, 2023.

Zone Level	Number of holdings reporting animal category ('000)	Outgoing animals					
		Slaughtered		Outgoing animals			
		Total number of animals slaughtered in last 12 months	Average number of animals slaughtered per holding	Total number of animals taken to the abattoir for slaughtering in past 12 months	Percent of slaughtered animals for home consumption	Percent of slaughtered animals for selling	
	Horses	0	-	-	-	-	-
	Mules/dunkeys	0	-	-	-	-	-
South West - Zone Total	Cattle (1)	136.04	(S)	(S)	(S)	17.71	16.16
	Goats (2)	1,949.21	1,199,490	0.62	150,185	41.35	1
	Sheep (3)	486.76	(S)	(S)	(S)	43.13	0.56
	Camels (4)	0.94	(S)	(S)	(S)	-	-
	Pigs (5)	185.94	92,706	0.5	39,108	32.75	12
	Horses	1.26	0	0	0	-	-
	Mules/dunkeys	1.04	0	0	0	-	-
Nigeria - Total	Cattle (1)	6,793.26	1,526,778	0.22	1,631,319	26.53	18
	Goats (2)	18,830.45	9,817,452	0.52	4,614,060	42.53	4
	Sheep (3)	9,883.51	4,812,426	0.49	3,383,117	41.9	4
	Camels (4)	123.93	48,262	0.39	82,141	(S)	(S)
	Pigs (5)	1,667.30	499,935	0.3	384,330	29.87	15
	Horses	30.81	3,753	0.12	24,011	(S)	(S)
	Mules/dunkeys	168.71	991	0.01	2,250	(S)	(S)

(1) Cattle, total includes bulls, oxen, cows - dairy, others, heifers, steers, and calves - males/females

(2) Goats, total includes she goats and he/kids

(3) Sheep, total includes ewes and rams/lambs

(4) Camels, total includes she camels and he/kids

(5) Pigs, total includes sows and boars/piglets

Table 5A. Poultry, inventory ownership and changes during the past 3 months, by Zone level, 2023.

Zone Level		Number of holdings reporting poultry type ('000)	Incoming animals					
			Births		Purchases		Received	
			Total number of births	Average number of births per holding	Total number of animals purchased	Average number of animals purchased per holding	Total number of animals received (including exchange)	Average number of animals received (including exchange) per holding
North Central - Zone total	Exotic/hybrid chicken (1)	813.53	3,214,570	3.95	45,165,760	55.52	234,931	0.29
	Local (indigenous) chicken (1)	3,759.25	35,603,774	9.47	4,917,364	1.31	1,349,817	0.36
	Turkey	185.54	424,061	2.29	437,217	2.36	15,852	0.09
	Ducks	491.3	2,081,494	4.24	287,274	0.58	47,243	0.1
	Geese	3.48	(S)	(S)	(S)	(S)	(S)	(S)
	Guineafowl	160.28	643,512	4.01	213,608	1.33	27,812	0.17
North East - Zone Total	Exotic/hybrid chicken (1)	368	1,640,285	4.46	5,664,765	15.39	75,462	0.21
	Local (indigenous) chicken (1)	2,737.84	24,611,593	8.99	3,142,802	1.15	712,039	0.26
	Turkey	89.36	181,858	2.04	96,157	1.08	6,808	0.08
	Ducks	449.57	2,525,474	5.62	265,675	0.59	53,507	0.12
	Geese	3.79	(S)	(S)	(S)	(S)	(S)	(S)
	Guineafowl	444.26	2,837,144	6.39	428,001	0.96	68,621	0.15
North West - Zone Total	Exotic/hybrid chicken (1)	844.64	11,656,984	13.8	59,560,942	70.52	490,614	0.58
	Local (indigenous) chicken (1)	4,233.18	39,599,564	9.35	8,764,189	2.07	2,221,669	0.52
	Turkey	171.27	502,622	2.93	327,936	1.91	28,318	0.17
	Ducks	414.28	1,380,746	3.33	493,274	1.19	86,084	0.21
	Geese	14.93	256,201	17.16	73,518	4.92	35,995	2.41
	Guineafowl	863.22	4,468,588	5.18	1,294,142	1.5	221,323	0.26
South East - Zone Total	Exotic/hybrid chicken (1)	869.7	3,993,471	4.59	44,147,554	50.76	281,221	0.32
	Local (indigenous) chicken (1)	1,541.31	10,332,561	6.7	2,726,615	1.77	480,755	0.31
	Turkey	85.1	323,313	3.8	315,630	3.71	19,152	0.23
	Ducks	53.52	173,012	3.23	82,339	1.54	11,523	0.22
	Geese	0	-	-	-	-	-	-
	Guineafowl	28.46	162,886	5.72	141,463	4.97	3,597	0.13
South South - Zone Total	Exotic/hybrid chicken (1)	774.67	6,045,625	7.8	71,463,515	92.25	229,995	0.3
	Local (indigenous) chicken (1)	1,036.07	10,192,533	9.84	5,483,201	5.29	389,570	0.38
	Turkey	65.93	504,439	7.65	1,677,218	25.44	1,594	0.02
	Ducks	67.01	636,261	9.5	959,946	14.33	11,575	0.17
	Geese	0	-	-	-	-	-	-
	Guineafowl	12.79	(S)	(S)	(S)	(S)	(S)	(S)
South West - Zone Total	Exotic/hybrid chicken (1)	1,552.86	13,316,237	8.58	57,075,311	36.75	391,700	0.25
	Local (indigenous) chicken (1)	1,990.66	18,305,688	9.2	2,925,480	1.47	632,932	0.32
	Turkey	347.07	476,245	1.37	1,331,244	3.84	34,212	0.1

Table 5A. Poultry, inventory ownership and changes during the past 3 months, by Zone level, 2023.

Zone Level		Number of holdings reporting poultry type ('000)	Incoming animals					
			Births		Purchases		Received	
			Total number of births	Average number of births per holding	Total number of animals purchased	Average number of animals purchased per holding	Total number of animals received (including exchange)	Average number of animals received (including exchange) per holding
	Ducks	128.03	669,640	5.23	160,596	1.25	9,751	0.08
	Geese	1.71	(S)	(S)	(S)	(S)	(S)	(S)
	Guineafowl	61.89	219,883	3.55	67,495	1.09	5,771	0.09
Nigeria - Total	Exotic/hybrid chicken (1)	5,223.40	39,867,171	7.63	283,077,847	54.19	1,703,922	0.33
	Local (indigenous) chicken (1)	15,298.30	138,645,714	9.06	27,959,651	1.83	5,786,783	0.38
	Turkey	944.26	2,412,539	2.55	4,185,402	4.43	105,935	0.11
	Ducks	1,603.71	7,466,627	4.66	2,249,104	1.4	219,684	0.14
	Geese	23.91	266,094	11.13	85,548	3.58	38,083	1.59
	Guineafowl	1,570.89	8,963,507	5.71	2,413,593	1.54	327,124	0.21

(1) Includes hens/layers and cocks/broilers

Table 5B. Poultry, inventory ownership and changes during the past 3 months, by Zone level, 2023.

Zone Level		Number of holdings reporting poultry type ('000)	Outgoing animals							
			Sales		Deaths		Lost		Given away	
			Total number of deaths	Average number of deaths per holding	Total number of animals sold	Average number of animals sold per holding	Total number of animals stolen	Average number of animals stolen per holding	Total number of animals given away as gift	Average number of animals given away as gift per holding
North Central - Zone total	Exotic/hybrid chicken (1)	813.53	28,098,583	34.54	4,951,980	6.09	131,721	0.16	1,395,010	1.71
	Local (indigenous) chicken (1)	3,759.25	12,178,118	3.24	6,071,201	1.62	2,211,915	0.59	1,547,827	0.41
	Turkey	185.54	471,236	2.54	116,147	0.63	29,399	0.16	28,283	0.15
	Ducks	491.3	776,055	1.58	306,709	0.62	123,039	0.25	94,022	0.19
	Geese	3.48	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Guineafowl	160.28	302,744	1.89	89,662	0.56	46,406	0.29	25,405	0.16
North East - Zone Total	Exotic/hybrid chicken (1)	368	5,512,369	14.98	1,394,684	3.79	44,747	0.12	226,844	0.62
	Local (indigenous) chicken (1)	2,737.84	7,916,311	2.89	4,941,719	1.8	1,126,239	0.41	834,028	0.3
	Turkey	89.36	107,759	1.21	28,755	0.32	6,329	0.07	10,571	0.12
	Ducks	449.57	913,066	2.03	451,908	1.01	140,122	0.31	104,992	0.23
	Geese	3.79	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Guineafowl	444.26	1,129,681	2.54	380,672	0.86	115,312	0.26	134,674	0.3
North West - Zone Total	Exotic/hybrid chicken (1)	844.64	46,872,083	55.49	5,685,303	6.73	301,562	0.36	979,879	1.16
	Local (indigenous) chicken (1)	4,233.18	14,846,528	3.51	7,039,956	1.66	2,451,828	0.58	2,181,385	0.52
	Turkey	171.27	386,536	2.26	66,151	0.39	36,141	0.21	27,273	0.16
	Ducks	414.28	612,032	1.48	262,978	0.63	130,054	0.31	106,568	0.26
	Geese	14.93	79,006	5.29	41,008	2.75	20,170	1.35	23,480	1.57
	Guineafowl	863.22	2,432,309	2.82	692,654	0.8	416,880	0.48	220,099	0.25
South East - Zone Total	Exotic/hybrid chicken (1)	869.7	43,327,336	49.82	3,980,940	4.58	179,528	0.21	713,616	0.82
	Local (indigenous) chicken (1)	1,541.31	5,401,641	3.5	1,678,634	1.09	946,818	0.61	377,590	0.24
	Turkey	85.1	605,021	7.11	42,643	0.5	13,479	0.16	65,839	0.77
	Ducks	53.52	162,370	3.03	46,385	0.87	12,209	0.23	5,288	0.1
	Geese	0	-	-	-	-	-	-	-	-
	Guineafowl	28.46	248,811	8.74	1,981	0.07	7,652	0.27	6,041	0.21
South South - Zone Total	Exotic/hybrid chicken (1)	774.67	74,951,103	96.75	8,498,423	10.97	387,386	0.5	1,535,082	1.98
	Local (indigenous) chicken (1)	1,036.07	12,801,269	12.36	1,274,047	1.23	871,020	0.84	1,242,585	1.2
	Turkey	65.93	1,949,616	29.57	100,101	1.52	4,785	0.07	12,907	0.2
	Ducks	67.01	1,145,426	17.09	50,439	0.75	94,462	1.41	22,555	0.34
	Geese	0	-	-	-	-	-	-	-	-
	Guineafowl	12.79	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West - Zone Total	Exotic/hybrid chicken (1)	1,552.86	57,873,918	37.27	4,818,529	3.1	494,785	0.32	2,397,049	1.54
	Local (indigenous) chicken (1)	1,990.66	7,532,624	3.78	2,591,774	1.3	1,964,922	0.99	1,156,832	0.58
	Turkey	347.07	1,334,203	3.84	133,089	0.38	27,232	0.08	85,907	0.25

Table 5B. Poultry, inventory ownership and changes during the past 3 months, by Zone level, 2023.

Zone Level		Number of holdings reporting poultry type ('000)	Outgoing animals							
			Sales		Deaths		Lost		Given away	
			Total number of deaths	Average number of deaths per holding	Total number of animals sold	Average number of animals sold per holding	Total number of animals stolen	Average number of animals stolen per holding	Total number of animals given away as gift	Average number of animals given away as gift per holding
	Ducks	128.03	324,221	2.53	81,480	0.64	33,295	0.26	37,723	0.29
	Geese	1.71	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Guineafowl	61.89	107,464	1.74	41,879	0.68	11,405	0.18	6,065	0.1
Nigeria - Total	Exotic/hybrid chicken (1)	5,223.40	256,635,392	49.13	29,329,860	5.62	1,539,728	0.29	7,247,480	1.39
	Local (indigenous) chicken (1)	15,298.30	60,676,490	3.97	23,597,331	1.54	9,572,742	0.63	7,340,247	0.48
	Turkey	944.26	4,854,371	5.14	486,886	0.52	117,365	0.12	230,780	0.24
	Ducks	1,603.71	3,933,170	2.45	1,199,900	0.75	533,182	0.33	371,147	0.23
	Geese	23.91	82,683	3.46	43,543	1.82	21,529	0.9	24,270	1.02
	Guineafowl	1,570.89	6,092,271	3.88	1,223,398	0.78	744,186	0.47	401,295	0.26

(1) Includes hens/layers and cocks/broilers

Table 5C. Poultry, inventory ownership and changes during the past 3 months, by Zone level, 2023.						
Zone Level		Number of holdings reporting poultry type ('000)	Outgoing animals			
			Slaughtered			
			Total number of animals slaughtered	Average number of animals slaughtered per holding	Total number of slaughtered animals that were sold	Total number of slaughtered animals that were in storage
North Central - Zone total	Exotic/hybrid chicken (1)	813.53	2,356,335	2.9	420,705	195660
	Local (indigenous) chicken (1)	3,759.25	5,758,641	1.53	176,287	443592
	Turkey	185.54	69,437	0.37	1,826	6520
	Ducks	491.3	200,059	0.41	8,793	14961
	Geese	3.48	(S)	(S)	(S)	(S)
	Guineafowl	160.28	88,442	0.55	7,809	31807
North East - Zone Total	Exotic/hybrid chicken (1)	368	757,236	2.06	35,425	44914
	Local (indigenous) chicken (1)	2,737.84	3,747,353	1.37	167,478	238170
	Turkey	89.36	20,504	0.23	1,051	4246
	Ducks	449.57	304,000	0.68	12,175	3589
	Geese	3.79	(S)	(S)	(S)	(S)
	Guineafowl	444.26	395,031	0.89	14,868	0
North West - Zone Total	Exotic/hybrid chicken (1)	844.64	4,404,159	5.21	663,131	1207759
	Local (indigenous) chicken (1)	4,233.18	9,191,222	2.17	1,353,669	4413090
	Turkey	171.27	148,779	0.87	6,675	20593
	Ducks	414.28	280,493	0.68	26,895	51247
	Geese	14.93	137,712	9.22	81,984	78007
	Guineafowl	863.22	628,537	0.73	32,518	111965
South East - Zone Total	Exotic/hybrid chicken (1)	869.7	3,522,885	4.05	1,287,623	292036
	Local (indigenous) chicken (1)	1,541.31	1,823,869	1.18	83,023	79653
	Turkey	85.1	29,995	0.35	238	8901
	Ducks	53.52	14,467	0.27	1,442	360
	Geese	0	-	-	-	-
	Guineafowl	28.46	28,324	1	1,260	0
South South - Zone Total	Exotic/hybrid chicken (1)	774.67	2,990,452	3.86	414,281	292451
	Local (indigenous) chicken (1)	1,036.07	2,293,988	2.21	89,552	337406
	Turkey	65.93	112,442	1.71	40,864	9836
	Ducks	67.01	65,131	0.97	2,909	14309
	Geese	0	-	-	-	-
	Guineafowl	12.79	(S)	(S)	(S)	(S)
South West - Zone Total	Exotic/hybrid chicken (1)	1,552.86	5,139,910	3.31	1,196,225	178376
	Local (indigenous) chicken (1)	1,990.66	3,452,179	1.73	155,027	232089
	Turkey	347.07	241,850	0.7	11,342	5631
	Ducks	128.03	36,415	0.28	649	0
	Geese	1.71	(S)	(S)	(S)	(S)
	Guineafowl	61.89	35,155	0.57	511	0

Table 5C. Poultry, inventory ownership and changes during the past 3 months, by Zone level, 2023.

Zone Level		Number of holdings reporting poultry type ('000)	Outgoing animals			
			Slaughtered			
			Total number of animals slaughtered	Average number of animals slaughtered per holding	Total number of slaughtered animals that were sold	Total number of slaughtered animals that were in storage
Nigeria - Total	Exotic/hybrid chicken (1)	5,223.40	19,170,977	3.67	4,017,389	2211195
	Local (indigenous) chicken (1)	15,298.30	26,267,253	1.72	2,025,036	5744000
	Turkey	944.26	623,007	0.66	61,995	55727
	Ducks	1,603.71	900,565	0.56	52,863	84466
	Geese	23.91	144,215	6.03	82,305	78007
	Guineafowl	1,570.89	1,241,962	0.79	73,313	149516

(1) Includes hens/layers and cocks/broilers

Table 6A: Milk production, by number of holdings reporting and quantity of milk produced, Zone level, 2023						
Zone level	Poultry type	Total number of holdings reporting raising the animal type	Number of holdings reporting milk production	Total number of animals milked	Milk consumption	Milk Sales
		Number of holdings ('000)	Number of holdings ('000)	Number of animals	Number of holdings reporting milk consumption ('000)	Number of holdings reporting milk sold ('000)
North Central - Zone total	Cattle	792.7	270.01	14,463,460	259.02	208.24
	Goats	3,531.02	51.7	1,371,933	38.07	2.9
	Sheep	995.65	28.99	818,956	20.67	1.01
	Camels	2.32	(S)	(S)	(S)	(S)
North East - Zone Total	Cattle	1,192.65	324.24	8,450,802	296.92	229.2
	Goats	3,079.11	48.18	1,183,745	33.16	6.07
	Sheep	1,475.76	16.41	478,252	11.5	0.81
	Camels	7.63	(S)	(S)	(S)	(S)
North West - Zone Total	Cattle	1,609.84	387.65	10,706,936	359.89	267.35
	Goats	5,482.55	132.32	1,951,508	84.3	34.79
	Sheep	3,318.30	61.29	946,792	44.73	23.1
	Camels	37.01	1.06	(S)	(S)	(S)
South East - Zone Total	Cattle	90.42	1.56	(S)	(S)	(S)
	Goats	1,491.09	3.25	(S)	(S)	(S)
	Sheep	280.31	1.5	(S)	(S)	(S)
	Camels	0.39	(S)	(S)	(S)	(S)
South South - Zone Total	Cattle	11.24	1.81	(S)	(S)	(S)
	Goats	845.51	0.32	(S)	(S)	(S)
	Sheep	62.36	0	-	-	-
	Camels	0	-	-	-	-
South West - Zone Total	Cattle	117.2	45.53	2,404,409	32	25.77
	Goats	1,796.22	17.67	242,756	1.32	0.47
	Sheep	339.64	0.54	(S)	(S)	(S)
	Camels	0.75	(S)	(S)	(S)	(S)
Nigeria - Total	Cattle	3,814.05	1,030.80	36,143,178	951.2	732.83
	Goats	16,225.51	253.44	4,792,296	157.63	45.68
	Sheep	6,472.02	108.73	2,251,215	78.35	25.4
	Camels	48.1	3.42	(S)	(S)	(S)

Table 6B: Eggs produced, number of holdings reporting and quantity of eggs by use, Zone level, 2023					
Zone level	Poultry type	Total number of holdings reporting raising the poultry type	Number of holdings reporting producing eggs of the poultry type	Holdings reporting eggs consumed in the past 3 months	Holdings reporting eggs sold in the past 3 months
		Number of holdings ('000)			
North Central - Zone total	Exotic/hybrid chicken - hens/layers	162.78	75.35	71.18	52.06
	Local (indigenous) chicken - hens	3407.54	1410.03	869.58	91.98
	Turkey	185.54	27.42	12.85	1.76
	Ducks	491.30	150.69	75.02	5.21
	Geese	3.48	(S)	(S)	(S)
	Guineafowl	160.28	65.67	39.94	15.80
North East - Zone Total	Exotic/hybrid chicken - hens/layers	105.57	37.38	32.43	17.84
	Local (indigenous) chicken - hens	2252.54	973.97	600.98	84.84
	Turkey	89.36	19.87	7.75	1.85
	Ducks	449.57	116.10	49.83	7.22
	Geese	3.79	(S)	(S)	(S)
	Guineafowl	444.26	170.69	115.38	58.76
North West - Zone Total	Exotic/hybrid chicken - hens/layers	180.24	92.30	86.10	58.53
	Local (indigenous) chicken - hens	3668.42	1436.31	908.48	156.98
	Turkey	171.27	43.84	21.22	12.97
	Ducks	414.28	104.02	52.98	18.51
	Geese	14.93	3.13	(S)	(S)
	Guineafowl	863.22	310.68	256.51	162.64
South East - Zone Total	Exotic/hybrid chicken - hens/layers	256.99	135.32	130.45	96.12
	Local (indigenous) chicken - hens	1275.60	497.62	313.73	73.44
	Turkey	85.10	16.15	9.06	8.04
	Ducks	53.52	5.26	(S)	(S)
	Geese	0.00	-	-	-
	Guineafowl	28.46	1.56	0.68	0.32
South South - Zone Total	Exotic/hybrid chicken - hens/layers	197.24	105.42	98.47	74.51
	Local (indigenous) chicken - hens	903.63	449.15	373.27	135.72
	Turkey	65.93	12.64	7.60	4.61
	Ducks	67.01	19.86	11.18	5.33
	Geese	0.00	-	-	-
	Guineafowl	12.79	(S)	(S)	(S)
South West - Zone Total	Exotic/hybrid chicken - hens/layers	378.02	222.90	205.08	149.44
	Local (indigenous) chicken - hens	1821.37	781.89	469.49	82.99
	Turkey	347.07	64.90	46.15	18.79
	Ducks	128.03	38.63	17.48	6.69
	Geese	1.71	(S)	(S)	(S)
	Guineafowl	61.89	19.24	12.95	3.72

Table 6B: Eggs produced, number of holdings reporting and quantity of eggs by use, Zone level, 2023

Zone level	Poultry type	Total number of holdings reporting raising the poultry type	Number of holdings reporting producing eggs of the poultry type	Holdings reporting eggs consumed in the past 3 months	Holdings reporting eggs sold in the past 3 months
		Number of holdings ('000)			
Nigeria - Total	Exotic/hybrid chicken - hens/layers	1280.83	668.67	623.70	448.50
	Local (indigenous) chicken - hens	13329.09	5548.97	3535.53	625.94
	Turkey	944.26	184.81	104.62	48.02
	Ducks	1603.71	434.55	207.31	43.14
	Geese	23.91	3.71	(S)	(S)
	Guineafowl	1570.89	571.57	429.21	244.78

Zone Level		Table 6C: Livestock products produced, by Zone level, 2023							
		Cheese (Awara)		Butter		Yogurt		Shorn wool	
		Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)
North Central	Zone Total	72.81	61	25.08	19.26	14.52	12.73	0.35	(S)
North East	Zone Total	73.07	40	59.17	40.21	87.35	65.01	7.85	(S)
North West	Zone Total	178.62	106	134.17	80.50	144.81	84.24	16.05	0.18
South East	Zone Total	0.47	(S)	0	-	0	-	0.22	(S)
South South	Zone Total	0	-	0.55	(S)	0	-	0	-
South West	Zone Total	25.43	25	0	-	2.89	(S)	0	-
Nigeria	Total	350.38	233	218.97	140.52	249.57	164.07	24.47	8.13

Table 6D: Livestock products produced, by Zone level, 2023													
Zone Level		Pulled wool		Non-carded animal hair		Silkworm cocoons		Furs		Animal skins and hides		Animal dung	
		Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)	Number of holdings reporting livestock product ('000)	Number of holdings reporting sales of livestock product ('000)
North Central	Zone Total	0.43	(S)	0.16	(S)	0.7	(S)	1.23	(S)	17.07	9.24	480.48	110.37
North East	Zone Total	7.07	(S)	0	-	0	-	1.16	(S)	102.72	51.15	719.09	65.86
North West	Zone Total	2.49	(S)	1.52	(S)	1.03	(S)	4.92	(S)	125.79	85.50	1793.33	156.10
South East	Zone Total	2.99	(S)	0	-	0	-	11.87	(S)	2.48	(S)	628.84	163.64
South South	Zone Total	0	-	0	-	0	-	0	-	0.8	(S)	393.58	147.99
South West	Zone Total	0.27	(S)	0	-	0	-	0.36	(S)	4.72	(S)	46.93	17.22
Nigeria	Total	13.25	8	1.68	0.62	1.72	(S)	19.54	6.92	253.59	150.77	4062.25	661.17

Table 7: Apiary production (bee keeping), by Zone level, 2023

Zone Level		Holdings reporting apiary practice during the last 12 months	Traditional beehives				Modern beehives			
			Holdings reporting traditional beehives colonized	Total number colonized	Average honey production per hive per harvest	Average number of harvests per hive per year	Holdings reporting modern beehives colonized	Total number colonized	Average honey production per hive per harvest	Average number of harvests per hive per year
			Number of holdings ('000)	Number of colonies	Kilo	Number of harvests	Number of holdings ('000)	Number of colonies	Kilo	Number of harvests
North Central	Zone Total	19.63	17	149564	1.42	3.03	3.66	36006	(S)	(S)
North East	Zone Total	16.65	17	186192	1.42	3.76	2.12	3854	(S)	(S)
North West	Zone Total	46.43	45	499142	1.46	4.20	10.69	147,402.00	1.45	5.31
South East	Zone Total	11.45	11	74963	(S)	(S)	2.1	22037	(S)	(S)
South South	Zone Total	6.47	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Zone Total	11.99	10	295437	1.41	3.45	5.25	143035	(S)	(S)
Nigeria	Total	112.61	104	1251207	1.43	3.78	26.38	397,766.00	1.36	8.51

Appendix 6 [Fishery Tables]

Table 1: Aquaculture type, holdings reporting, Zone name, 2023														
Zone Level		Number of holdings reporting aquaculture (fish farming) activity ('000)	Species raised											
			Tilapia	Catfish	Carp	Shrimps	Prawn	Oysters	Water snail	Common carp	Heterotis	Lates	Gymnacus	Other fish/crustacean species
			Number of holdings ('000)											
North Central	Zone Total	124.14	25	111.04	1.22	0.17	0	0	1.44	0.5	0	0	0	0.44
North East	Zone Total	36.48	14	28.76	1.69	0.66	0.43	0	0	0	0	0	0	0.24
North West	Zone Total	122.40	52	90.9	4.39	3.88	1.77	1.07	2.3	0.00	0.00	0	0	0.64
South East	Zone Total	102.71	5	100.04	0	0	0	0	0.24	0	0	0	0	0.36
South South	Zone Total	376.68	79	352.65	8.95	3.78	1.08	0.41	7.21	6.53	6.95	0.48	0.9	0.85
South West	Zone Total	234.94	15	224.45	1.27	1.57	1.35	0.55	1.79	0.83	2.79	0.29	0.86	0.41
Nigeria	Total	997.34	190	907.84	17.53	10.06	4.61	2.03	12.98	7.86	9.74	0.78	1.76	2.92

Table 2: Aquaculture species raised, holdings reporting, total collected and use, Nigeria, 2023									
Species	Number of holdings reporting species	Number of holdings collecting (harvesting) species in the past 12 months	Average number of weeks species was collected	Average weekly quantity collected	Total quantity collected over last 12 months	Household consumption		Sales	
						Number of holdings reporting household consumption ('000)	Average weekly consumption of species	Number of holdings reporting sales ('000)	Average weekly sales of species
	Number of holdings ('000)	Number	Kilos	Kilos	Kilos				
Tilapia	190.24	148.946	12.09	820	924,013,092	134.641	26.85	129.169	438.59
Catfish	907.841	737.075	9.78	3,966	26,584,231,628	651.02	28.42	670.078	729.56
Carp	17.533	13.393	27.49	3,558	1,993,409,367	11.926	(S)	11.27	(S)
Shrimps	10.06	7.215	10.28	28	2,149,368	6.289	25.68	6.212	4.76
Water snail	12.976	11.796	15.57	68	9,818,947	11.092	24.93	9.355	(S)
Heterotis	9.739	9.183	7.25	24	2,278,967	9.183	4.24	8.836	20.46

Table 3: Fish hunting/capture, holdings reporting, Zone name, 2023														
Zone Level		Number of holdings reporting fish hunting/capture activity ('000)	Species raised											
			Tilapia	Catfish	Carp	Shrimps	Prawn	Oysters	Water snail	Common carp	Heterotis	Lates	Gymnacus	Other fish/crustacean species
			Number of holdings ('000)											
North Central	Zone Total	237.25	159	177.62	12.16	1.09	0.47	0	2.44	3.19	10.12	0.99	0.68	9.02
North East	Zone Total	133.63	103	102.69	1.33	0.19	0.19	0	0.25	1.16	1.31	0.21	0.28	0.24
North West	Zone Total	224.43	178	152.92	10.66	6.44	0.89	0.63	2.21	1.22	1.93	0	0.19	2.04
South East	Zone Total	110.03	59	96.19	3.27	0.47	1.56	2.51	11.27	0.43	0	0	0	2.58
South South	Zone Total	719.5	523	569.95	200.9	191.37	184.42	125.33	183.39	42.34	56.02	20.34	30.01	127.73
South West	Zone Total	134.12	98	94.95	19.62	33.54	39.35	0.64	38.58	11.66	45.25	11.33	44.2	17.52
Nigeria	Total	1,558.96	1,120	1194.33	247.94	233.10	226.87	129.11	238.13	60.01	114.62	32.86	75.36	159.12

Species	Number of holdings reporting species ('000)	Number of holdings reporting species and keeping record of fish capture ('000)	Average number of days per year in which species was caught (1)	Most productive months	Least productive months	Total quantity of species fished in past 12 months (2)	Household consumption		Sales	
				Average amount collected on typical fishing day (1)	Average amount collected on typical fishing day (1)		Number of holdings reporting household consumption during last 12 months ('000)	Average annual consumption of species (2)	Number of holdings reporting sales during past 12 months ('000)	Average annual sales of species (2)
			Days	Kilos			Kilos	Kilos	Kilos	
Tilapia	1,119.66	909.11	92	125	47	89,185,160	1,052.61	24,971,111	918.59	49,850,708
Catfish	1,194.33	966.9	70	143	61	188,745,634	1,128.58	32,541,949	916.87	102,885,616
Carp	247.94	167.33	156	76	38	8,384,538	216.29	2,852,738	196.37	4,490,690
Shrimps	233.1	143.25	105	14	5	813,051	188.99	291,452	174.45	447,279
Prawn	226.87	122.9	86	13	4	1,477,244	208.09	532,135	178.36	698,911
Oysters	129.11	84.64	82	8	3	(S)	91.33	(S)	103.17	(S)
Water snail	238.13	130.41	98	6	2	3,667,102	228.18	684,503	184.04	2,712,683
Common carp	60.01	53.47	133	60	22	(S)	54.72	(S)	54.04	(S)
Heterotis	114.62	70.12	78	40	20	5,296,108	107.48	1,243,089	105.65	3,865,625
Lates	32.86	21.12	105	48	22	2,566,322	26.97	530,192	30.06	1,946,685
Gymnacus	75.36	32.46	79	1	0	(S)	70.99	(S)	71.94	(S)

(1) Only among households that do not keep record of fish capture

(2) Only among households that keep record of fish capture

Appendix 7 [Forestry Tables]

Zone level	Forestry product (1)	Number of holdings collecting the forest product ('000)	Annual production				Home use		Sale/trade	
			Average number of months the product was collected (2)	Average number of days per month the product was collected (2)	Average Quantity per day (kg) (2)	Total quantity (kg) (2)	Home use of forestry product		Sale/trade of forestry product	
							Number of holdings (2) ('000)	Average daily use (kg) (2)	Number of holdings (2) ('000)	Average daily sales (kg) (2)
North Central - Zone Total	Firewood	1,625.30	9	9	1,574	2,525,427,465	1,605.22	229	83.51	2,416
	Other woods	10.46	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Coconuts	17.24	3	4	6	101,547	16.34	4	(S)	(S)
	Honey (wild)	17.23	3	4	15	237,876	12.34	9	6.95	1,602
	Palmwine	16.58	6	8	16	260,169	14.84	5	12.12	10
	Snails	18.55	3	6	2	30,733	16.62	1	(S)	(S)
	Grasscutter/bush meat	57.95	5	4	2	136,997	50.14	2	15.99	13
	Sand	5.53	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Rocks, stone, mud	5.53	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East - Zone Total	Firewood	965.76	7	8	3,134	2,998,148,203	953.95	669	69.52	12,453
	Other woods	6.19	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Coconuts	0.17	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Honey (wild)	21.04	4	4	9	162,671	17.02	5	(S)	(S)
	Palmwine	0.12	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Snails	0	-	-	-	-	-	-	-	-
	Grasscutter/bush meat	4.91	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Sand	19.81	2	7	438	7,077,911	15	152	(S)	(S)
	Rocks, stone, mud	13.06	2	9	19,280	217,015,371	10.7	2,101	(S)	(S)
North West - Zone Total	Firewood	1,064.00	7	9	10,494	10,941,630,838	1,023.78	4,067	107.8	79,476
	Other woods	37.63	2	3	8	62,349	(S)	(S)	(S)	(S)
	Coconuts	6.81	7	5	9	51,314	5.91	5	(S)	(S)
	Honey (wild)	14.69	3	3	9	102,481	9.84	191	(S)	(S)
	Palmwine	4.58	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Snails	2.03	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Grasscutter/bush meat	13.64	5	5	1	5,902	9.16	1	(S)	(S)
	Sand	46.12	5	13	7,512	321,085,613	32.76	6,266	(S)	(S)
	Rocks, stone, mud	41.66	2	6	11,326	437,400,447	28.13	9,545	(S)	(S)

Zone level	Forestry product (1)	Number of holdings collecting the forest product ('000)	Annual production				Home use		Sale/trade	
			Average number of months the product was collected (2)	Average number of days per month the product was collected (2)	Average Quantity per day (kg) (2)	Total quantity (kg) (2)	Home use of forestry product		Sale/trade of forestry product	
							Number of holdings (2) ('000)	Average daily use (kg) (2)	Number of holdings (2) ('000)	Average daily sales (kg) (2)
South East - Zone Total	Firewood	1,696.25	10	9	772	1,303,315,322	1,673.18	384	198.35	1,413
	Other woods	32.26	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Coconuts	90.87	5	5	8	725,116	77.97	3	47.63	9
	Honey (wild)	21.93	5	3	28	498,748	19.48	10	11.97	24
	Palmwine	43.05	8	13	17	728,399	25.23	4	19.64	15
	Snails	151.31	5	7	2	218,248	136.1	1	43.57	1
	Grasscutter/bush meat	44.83	8	7	0	8,606	38.98	0	14.72	0
	Sand	11.45	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Rocks, stone, mud	8.23	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

(1) Estimates related to Wild Yam, Mushrooms, Ornamental flowers, Medicinal Plants, Tea Leaves and Wild Birds have not been reported in the table because these forestry products were collected by few holdings.

(2) only among holdings that reported the harvest of the forestry product in a unit of measurement for which the conversion factor to kg is available.

Zone level	Forestry product (1)	Number of holdings collecting the forest product ('000)	Annual production				Home use		Sale/trade	
			Average number of months the product was collected (2)	Average number of days per month the product was collected (2)	Average Quantity per day (kg) (2)	Total quantity (kg) (2)	Home use of forestry product		Sale/trade of forestry product	
							Number of holdings (2) ('000)	Average daily use (kg) (2)	Number of holdings (2) ('000)	Average daily sales (kg) (2)
South South - Zone Total	Firewood	1,277.74	10	8	957	1,216,337,716	1,264.50	441	142.9	749
	Other woods	83.17	7	11	38	660419	(S)	(S)	(S)	(S)
	Coconuts	56.87	6	4	17	915,348	54.83	4	32.8	22
	Honey (wild)	21.35	3	3	8	143,616	16.16	3	8.58	9
	Palmwine	31.04	9	18	22	661,715	22.3	5	17.18	22
	Snails	97.68	6	6	2	219,067	87.71	1	30.01	7
	Grasscutter/bush meat	50.04	6	6	0	20,963	42.95	0	20.2	9
	Sand	5.93	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Rocks, stone, mud	5.86	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West - Zone Total	Firewood	600.58	9	9	1,084	642,413,096	587.25	375	63.68	1,216
	Other woods	7.84	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Coconuts	60.56	4	4	9	539848	57.43	3	18.25	30
	Honey (wild)	2.03	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Palmwine	15.13	5	8	14	214825	14.27	5	(S)	(S)
	Snails	157.1	5	6	0	51098	148.67	0	41.27	12
	Grasscutter/bush meat	88.6	6	5	0	37117	84.66	0	15.52	2
	Sand	2.79	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Rocks, stone, mud	1.79	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Nigeria - Total	Firewood	7,229.62	9	9	2,743	19,627,272,640	7,107.89	927	665.75	15,171
	Other woods	177.54	5	7	27	1,034,542	23.72	14	(S)	(S)
	Coconuts	232.53	5	4	10	2,334,676	212.47	3	108.54	16
	Honey (wild)	98.27	4	3	14	1,166,938	76.32	30	40.65	291
	Palmwine	110.5	8	13	19	2032837	80.88	5	59.54	18
	Snails	426.67	5	6	1	529437	391.13	1	121.08	7
	Grasscutter/bush meat	259.98	6	6	1	210,834	230.11	1	72.05	7
	Sand	91.64	4	10	8,626	654,316,708	57.22	3,728	6.91	7147
Rocks, stone, mud	76.12	3	7	12,676	788,062,870	42.63	6,880	(S)	(S)	

(1) Estimates related to Wild Yam, Mushrooms, Ornamental flowers, Medicinal Plants, Tea Leaves and Wild Birds have not been reported in the table because these forestry products were collected by few holdings.

(2) only among holdings that reported the harvest of the forestry product in a unit of measurement for which the conversion factor to kg is available.

Appendix 8 [Input Use Tables]

Table 1A: Beans/Cowpea, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.											
Zone	State	Total # of plots where crop is cultivated	Beans/Cowpea								
			Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated											
North Central	Benue	453,700.00	234,672.00	219028	57385	11266	8806	0.00	3,057.00	0	374670
North Central	Fct	156657	52306	104351	49179	1040	0	0	1559	0	104879
North Central	Kogi	252052	157846	94206	16026	21806	713	0	1357	0	212638
North Central	Kwara	82374	31804	50571	32574	5314	2388	341	0	403	45906
North Central	Nasarawa	223743	126969	96773	66420	3054	17475	0	0	0	140698
North Central	Niger	478,528.00	169,457.00	309071	191030	4651	22035	814.00	0.00	125	268203
North Central	Plateau	398,924.00	126,182.00	272742	209070	3067	4668	2,317.00	236.00	0	183078
North Central	Zone total	2,045,977.00	899,236.00	1146742	621685	50198	56084	3,472.00	6,209.00	528	1330073
North East	Adamawa	436,217.00	282,077.00	154140	81629	19425	260	0.00	0.00	0	345913
North East	Bauchi	1,040,306.00	322,668.00	717638	648551	9698	56404	1,620.00	0.00	0	378314
North East	Borno	575,781.00	213078	362704	160604	19706	18626	14,770.00	0	0	367095
North East	Gombe	311278	121344	189934	136509	1246	5012	196	220	0	168094
North East	Taraba	190705	81506	109199	27913	2113	314	413	1127	3395	156791
North East	Yobe	594462	131031	463431	377533	36560	61199	12553	193	88	151824
North East	Zone total	3,148,749.00	1,151,704.00	1,997,045.00	1432738	88749	141816	29,552.00	1,541.00	3,484.00	1568032
North West	Jigawa	1,125,605.00	85709	1039896	972149	4741	4388	2,424.00	0	2124	141931
North West	Kaduna	691,069.00	283,591.00	407477	298954	3103	48083	2,513.00	2,478.00	806	358912
North West	Kano	892,375.00	57,776.00	834599	766811	49433	60161	7,514.00	2,113.00	225	95050
North West	Katsina	1,043,494.00	68,519.00	974975	824146	11801	101763	738.00	4,384.00	0	110687
North West	Kebbi	351,015.00	25376	325639	301125	14317	17999	3,347.00	2039	0	37754
North West	Sokoto	770,406.00	9,308.00	761098	718365	43731	22749	437.00	1,852.00	0	31342
North West	Zamfara	336957	47605	289352	277179	6049	3339	0	0	0	58358
North West	Zone total	5,210,921.00	577,885.00	4,633,036.00	4158728	133174	258482	16,974.00	12,866.00	3,155.00	834033
South East	Abia	68424	34596	33828	28494	0	1195	0	0	0	39930
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	50566	46179	4388	1747	0	0	0	0	0	48819
South East	Enugu	25743	9246	16497	12533	0	436	0	0	436	13211
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	155,495.00	92,823.00	62672	49372	0	2912	0.00	0.00	436	104842
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 1A: Beans/Cowpea, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.											
Zone	State	Beans/Cowpea									
		Total # of plots where crop is cultivated	Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated											
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	23442	16664	6778	379	568	290	0	0	0	22584
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	42,966.00	29,044.00	13922	3050	568	2317	0.00	411.00	0	37951
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	18,799.00	13,869.00	4929	1061	754	713	0.00	0.00	0	16985
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	84,488.00	62,396.00	22092	7627	1533	228	0.00	0.00	163	74937
South West	Zone total	123,022.00	88,372.00	34650	13646	2873	1732	0.00	0.00	372	105531
Nigeria	Total	10,727,130.00	2,839,064.00	7,888,066.00	6279218	275562	463342	49,997.00	21,027.00	7,974.00	3980462

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 1B: Beans/Cowpea, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.															
Zone	State	Beans/Cowpea													
		Total # of plots where crop is cultivated	Fertilizers used on crop												
			No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated															
North Central	Benue	453,700.00	234,672.00	219028	138728	1366	8821	356.00	0.00	0	81335	0	648	253,491.00	
North Central	Fct	156657	52306	104351	56372	0	0	0	307	0	45825	1504	0	80861	
North Central	Kogi	252052	157846	94206	19917	230	0	0	0	360	63311	0	176	175312	
North Central	Kwara	82374	31804	50571	24635	2523	211	2414	0	0	30849	0	350	35610	
North Central	Nasarawa	223743	126969	96773	34474	0	148	0	0	0	25413	0	0	175007	
North Central	Niger	478,528.00	169,457.00	309071	141844	424	1321	551.00	0.00	0	193704	815	2571	236,562.00	
North Central	Plateau	398,924.00	126,182.00	272742	178840	0	2449	0.00	0.00	0	166634	0	1865	187,608.00	
North Central	Zone total	2,045,977.00	899,236.00	1146742	594810	4544	12950	3,320.00	307.00	360	607071	2318	5609	1,144,450.00	
North East	Adamawa	436,217.00	282,077.00	154140	79575	350	4092	0.00	0.00	0	76844	0	582	328,412.00	
North East	Bauchi	1,040,306.00	322,668.00	717638	316882	333	127	0.00	749.00	167	249372	196	161	614,319.00	
North East	Borno	575,781.00	213078	362704	150213	2377	1924	5,685.00	677	476	134882	1352	610	310,689.00	
North East	Gombe	311278	121344	189934	123937	108	216	0	0	0	79491	0	0	168114	
North East	Taraba	190705	81506	109199	56904	0	5017	0	0	104	63045	1538	1004	98454	
North East	Yobe	594462	131031	463431	83438	815	135	0	124	260	79574	785	1707	436410	
North East	Zone total	3,148,749.00	1,151,704.00	1,997,045.00	810948	3982	11511	5,685.00	1,549.00	1,008.00	683208	3871	4063	1,956,397.00	
North West	Jigawa	1,125,605.00	85709	1039896	344778	0	0	0.00	0	0	245695	0	2797	684,263.00	
North West	Kaduna	691,069.00	283,591.00	407477	234301	477	930	604.00	1,147.00	0	244093	7886	352	373,498.00	
North West	Kano	892,375.00	57,776.00	834599	511375	5153	2926	2,044.00	9,877.00	2784	377987	7272	0	246,294.00	
North West	Katsina	1,043,494.00	68,519.00	974975	573665	465	1310	0.00	257.00	0	391611	2691	3224	341,164.00	
North West	Kebbi	351,015.00	25376	325639	168868	3205	2285	280.00	2878	1208	93786	384	373	140,399.00	
North West	Sokoto	770,406.00	9,308.00	761098	457381	0	0	0.00	0.00	0	345674	290	0	234,047.00	
North West	Zamfara	336957	47605	289352	108297	0	142	0	0	0	113922	0	0	179964	
North West	Zone total	5,210,921.00	577,885.00	4,633,036.00	2398665	9300	7593	2,928.00	14,158.00	3,992.00	1812767	18523	6746	2,199,629.00	
South East	Abia	68424	34596	33828	4884	0	0	0	0	0	22811	0	0	44041	

Table 1B: Beans/Cowpea, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.															
Zone	State	Beans/Cowpea													
		Total # of plots where crop is cultivated	Fertilizers used on crop												
			No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated															
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Ebonyi	50566	46179	4388	2641	0	0	0	0	0	2156	0	0	47289	
South East	Enugu	25743	9246	16497	1564	327	0	0	0	0	7006	0	0	17128	
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Zone total	155,495.00	92,823.00	62672	9088	407	0	0.00	0.00	0	34482	0	0	116,631.00	
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Cross River	23442	16664	6778	1984	0	0	0	0	0	6209	0	0	16664	
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Zone total	42,966.00	29,044.00	13922	4515	0	0	86.00	0.00	0	8588	0	0	31,192.00	
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ogun	18,799.00	13,869.00	4929	2993	0	0	0.00	0.00	0	3869	0	0	14,802.00	
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Oyo	84,488.00	62,396.00	22092	6350	0	1056	0.00	228.00	0	14135	229	0	65,699.00	
South West	Zone total	123,022.00	88,372.00	34650	11541	0	1056	0.00	413.00	0	20325	368	0	95,532.00	
Nigeria	Total	10,727,130.00	2,839,064.00	7,888,066.00	3829567	18233	33110	12,020.00	16,427.00	5,360.00	3166441	25080	16419	5,543,831.00	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 1C: Beans/Cowpea, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.

Beans/Cowpea														
Zone	State	Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied								No	Yes
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other				
			Number of plots where crop is cultivated											
North Central	Benue	453,700.00	120,782.00	332918	120953	6001	262542	5,340.00	972.00	20105	14575	439124	453700	NA
North Central	Fct	156657	26383	130274	61564	2786	105883	735	3810	480	10045	146612	150900	5757
North Central	Kogi	252052	115241	136811	72615	6524	55796	4305	3816	33236	1672	250380	251847	205
North Central	Kwara	82374	12646	69728	40514	5897	18991	508	3864	10335	4411	77963	81897	478
North Central	Nasarawa	223743	31222	192521	128061	31426	138629	312	5523	12295	2919	220824	223569	174
North Central	Niger	478,528.00	92,345.00	386183	267466	3462	230859	4,664.00	2,317.00	24317	69659	408869	478104	424.00
North Central	Plateau	398,924.00	158,627.00	240296	87320	37112	139276	4,861.00	26,801.00	95091	5173	393751	392742	6,182.00
North Central	Zone total	2,045,977.00	557,245.00	1488732	778493	93209	951977	20,725.00	47,103.00	195858	108455	1937522	2032758	13,220.00
North East	Adamawa	436,217.00	85,916.00	350301	217381	43035	192039	3,805.00	3,945.00	8415	41077	395140	413322	22,895.00
North East	Bauchi	1,040,306.00	177,535.00	862771	662025	15026	347186	21,463.00	323.00	83208	21358	1018948	1019317	20,989.00
North East	Borno	575,781.00	165973	409808	286579	4922	153652	26,931.00	16543	22761	32174	543608	570997	4,784.00
North East	Gombe	311278	33898	277380	224710	4223	141525	21825	2564	5080	4825	306452	303211	8066
North East	Taraba	190705	59837	130868	93986	3950	56225	4838	249	22731	8041	182663	190283	421
North East	Yobe	594462	231575	362887	202544	3392	141413	13240	841	35333	15805	578657	593525	937
North East	Zone total	3,148,749.00	754,734.00	2,394,015.00	1687226	74548	1032041	92,103.00	24,464.00	177,528.00	123281	3025468	3090655	58,094.00
North West	Jigawa	1,125,605.00	605459	520146	377087	31020	117792	21,312.00	1415	2449	112721	1012884	1123116	2,489.00
North West	Kaduna	691,069.00	63,679.00	627390	435944	32005	311216	29,781.00	24,569.00	56909	13801	677268	675050	16,018.00
North West	Kano	892,375.00	211,443.00	680932	512464	70794	181555	23,257.00	14,678.00	94833	41366	851008	847682	44,692.00
North West	Katsina	1,043,494.00	144,260.00	899234	751296	53451	187096	90,309.00	9,356.00	41262	30080	1013414	1042394	1,100.00
North West	Kebbi	351,015.00	99494	251521	156037	28715	117111	30,482.00	9275	14844	21512	329503	312899	38,116.00
North West	Sokoto	770,406.00	159,765.00	610641	510754	41513	61465	15,037.00	29,141.00	96670	18260	752146	737803	32,603.00
North West	Zamfara	336957	57449	279508	185471	25036	135503	28933	1642	10594	8816	328142	336593	365
North West	Zone total	5,210,921.00	1,341,548.00	3,869,373.00	2929053	282534	1111738	239,110.00	90,076.00	317,561.00	246556	4964365	5075537	135,384.00
South East	Abia	68424	62223	6201	5261	940	779	0	494	0	4899	63525	68424	NA
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	50566	29180	21386	1836	0	21069	0	0	0	616	49951	50201	365
South East	Enugu	25743	18157	7587	3289	0	3290	0	1181	661	1812	23931	25007	736
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	155,495.00	116,519.00	38976	10466	940	28860	0.00	1,675.00	661	7693	147802	154394	1,101.00
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	23442	9702	13739	619	0	10380	0	294	3715	1773	21669	23442	NA
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	42,966.00	22,668.00	20298	2662	180	12806	611.00	500.00	5373	3685	39281	42966	NA
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	18,799.00	10,981.00	7818	4804	804	3514	0.00	40.00	1273	393	18406	18699	100.00

Table 1C: Beans/Cowpea, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.														
Zone	State	Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
			Number of plots where crop is cultivated											
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	84,488.00	23,525.00	60963	34066	1563	50827	296.00	2,703.00	2487	1408	83080	84488	NA
South West	Zone total	123,022.00	45,054.00	77967	42264	2820	59434	1,554.00	2,801.00	5310	3096	119926	122364	658.00
Nigeria	Total	10,727,130.00	2,837,769.00	7,889,361.00	5450164	454231	3196855	354,102.00	166,618.00	702,291.00	492765	10234365	10518674	208,456.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 2A: Cassava, by Zone/State name: use of fertilizers, pesticides, irrigation, Agricultural Year 2022/2023.

Cassava											
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
			Number of plots where crop is cultivated								
North Central	Benue	1,662,963.00	886,965.00	775998	181743	32937	11764	375.00	2,644.00	0	1440830
North Central	Fct	74829	34470	40359	24752	163	743	0	0	0	49914
North Central	Kogi	705963	497218	208745	80416	56646	1453	0	1043	0	579419
North Central	Kwara	261790	141051	120739	95026	4292	5995	7701	2447	0	160354
North Central	Nasarawa	182582	57520	125062	56802	3706	61818	0	80	0	76925
North Central	Niger	130,334.00	64,407.00	65927	41765	3724	1579	0.00	355.00	113	83343
North Central	Plateau	46,969.00	28,678.00	18291	15040	118	1249	131.00	143.00	0	30549
North Central	Zone total	3,065,430.00	1,710,309.00	1355121	495543	101586	84601	8,207.00	6,712.00	113	2421334
North East	Adamawa	28,897.00	20,810.00	8087	5634	0	0	0.00	0.00	0	23262
North East	Bauchi	39,091.00	11,141.00	27950	20739	0	3403	0.00	0.00	0	16398
North East	Borno	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Gombe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Taraba	274121	160985	113136	32736	1460	542	237	842	903	238316
North East	Yobe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone total	347,074.00	194,848.00	152,227.00	61283	1460	4058	237.00	842.00	903.00	280657
North West	Jigawa	16,560.00	2915	13645	12574	0	0	0.00	0	0	3986
North West	Kaduna	68,794.00	20,604.00	48190	38512	2584	3790	0.00	859.00	0	27191
North West	Kano	98,341.00	4,212.00	94129	85993	11195	3259	591.00	0.00	0	6063
North West	Katsina	53,982.00	4,846.00	49135	47276	0	380	0.00	628.00	0	6078
North West	Kebbi	43,174.00	2543	40632	36443	244	4670	347.00	563	0	5832
North West	Sokoto	51,698.00	3,489.00	48209	43204	1801	3630	374.00	1,023.00	0	4801
North West	Zamfara	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zone total	337,093.00	39,993.00	297,100.00	266596	16032	15729	1,312.00	3,072.00	0.00	55900
South East	Abia	1472091	450868	1021223	795685	1339	142580	1773	0	0	570221
South East	Anambra	1,142,454.00	205964	936490	640205	6590	280590	2,554.00	0	40015	343035
South East	Ebonyi	1069511	562922	506589	355353	1960	82075	256	253	263	660544
South East	Enugu	987181	412140	575041	388319	21223	51831	0	506	1818	551457

Table 2A: Cassava, by Zone/State name: use of fertilizers, pesticides, irrigation, Agricultural Year 2022/2023.

Zone	State	Cassava									
		Total # of plots where crop is cultivated	Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated											
South East	Imo	1,812,542.00	662255	1150286	740702	6634	190645	0.00	9026	415	986322
South East	Zone total	6,483,779.00	2,294,149.00	4189629	2920264	37746	747721	4,583.00	9,785.00	42511	3111579
South South	Akwa Ibom	1,707,354.00	987,831.00	719524	435073	3868	298868	0.00	0.00	706	1034948
South South	Bayelsa	200800	191391	9409	6472	443	586	0	0	343	193025
South South	Cross River	827454	693693	133762	14222	1531	7348	329	1877	218	802602
South South	Delta	1147823	902427	245396	131150	3276	7902	0	0	0	1005794
South South	Edo	450269	391324	58946	43409	3487	379	818	975	387	403614
South South	Rivers	1,198,067.00	789,459.00	408608	241407	2262	127792	2,379.00	0.00	0	927361
South South	Zone total	5,531,768.00	3,956,125.00	1575644	871733	14867	442874	3,526.00	2,852.00	1654	4367343
South West	Ekiti	357853	345300	12554	3165	738	0	0	0	0	353950
South West	Lagos	114261	52885	61375	46478	2311	6582	184	0	213	60754
South West	Ogun	686,032.00	562,449.00	123583	57027	6569	2223	701.00	0.00	862	621667
South West	Ondo	568426	508166	60260	17828	9813	6845	0	0	0	535844
South West	Osun	588076	425746	162330	89966	15983	1813	307	6179	488	489124
South West	Oyo	755,511.00	598,406.00	157105	44277	28890	2361	0.00	976.00	0	680054
South West	Zone total	3,070,159.00	2,492,951.00	577207	258742	64305	19824	1,192.00	7,155.00	1563	2741394
Nigeria	Total	18,835,304.00	10,688,375.00	8,146,929.00	4874162	235995	1314806	19,057.00	30,419.00	46,743.00	12978208

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 2B: Cassava, by Zone/State name: use of fertilizers, pesticides, irrigation, Agricultural Year 2022/2023. Contd.

		Cassava													
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop												
			No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
			Number of plots where crop is cultivated												
North Central	Benue	1,662,963.00	886,965.00	775998	497029	639	2991	244.00	444.00	293	353226	0	2000	948,636.00	
North Central	Fct	74829	34470	40359	19120	0	0	0	0	163	17580	0	0	49711	
North Central	Kogi	705963	497218	208745	82651	0	0	0	3145	294	101716	0	337	538780	
North Central	Kwara	261790	141051	120739	48104	9631	0	2527	0	4326	74458	1614	0	154953	
North Central	Nasarawa	182582	57520	125062	56514	0	473	0	0	0	34023	0	1358	109022	
North Central	Niger	130,334.00	64,407.00	65927	22005	172	0	0.00	0.00	112	24260	33	434	93,125.00	
North Central	Plateau	46,969.00	28,678.00	18291	8626	0	0	0.00	0.00	0	6232	0	332	36,421.00	
North Central	Zone total	3,065,430.00	1,710,309.00	1355121	734049	10442	3464	2,771.00	3,590.00	5188	611497	1647	4461	1,930,648.00	
North East	Adamawa	28,897.00	20,810.00	8087	1688	0	0	0.00	0.00	0	1905	0	0	25,940.00	
North East	Bauchi	39,091.00	11,141.00	27950	13325	0	0	0.00	0.00	0	8307	0	0	21,471.00	
North East	Borno	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
North East	Gombe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
North East	Taraba	274121	160985	113136	70476	0	911	0	115	0	58233	301	619	183339	
North East	Yobe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
North East	Zone total	347,074.00	194,848.00	152,227.00	86219	0	911	0.00	115.00	0.00	69387	301	619	234,336.00	
North West	Jigawa	16,560.00	2915	13645	6756	0	0	0.00	0	0	3372	0	0	8,205.00	
North West	Kaduna	68,794.00	20,604.00	48190	27410	92	2411	330.00	0.00	0	29222	1168	442	29,036.00	
North West	Kano	98,341.00	4,212.00	94129	43393	0	294	221.00	819.00	255	34803	3931	0	34,835.00	
North West	Katsina	53,982.00	4,846.00	49135	23020	0	504	0.00	0.00	0	13127	0	232	26,356.00	
North West	Kebbi	43,174.00	2543	40632	16805	0	0	0.00	76	0	10087	0	0	19,542.00	
North West	Sokoto	51,698.00	3,489.00	48209	30837	0	0	511.00	511.00	0	23501	0	213	15,655.00	
North West	Zamfara	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
North West	Zone total	337,093.00	39,993.00	297,100.00	148998	92	3519	1,062.00	1,406.00	255.00	115822	5099	886	135,791.00	
South East	Abia	1472091	450868	1021223	299247	354	0	5518	0	0	495767	0	6042	784149	
South East	Anambra	1,142,454.00	205964	936490	80140	5862	0	1,485.00	1978	2486	307274	0	2459	762,252.00	
South East	Ebonyi	1069511	562922	506589	157435	188	0	0	8011	279	232502	0	6791	706476	
South East	Enugu	987181	412140	575041	50383	7796	0	0	0	0	224635	0	0	727608	
South East	Imo	1,812,542.00	662255	1150286	76237	0	0	167.00	686	1991	718417	106	3989	1,050,335.00	

Table 2B: Cassava, by Zone/State name: use of fertilizers, pesticides, irrigation, Agricultural Year 2022/2023. Contd.														
Zone	State	Total # of plots where crop is cultivated	Cassava											
			Fertilizers used on crop											
			No	Yes	Type of inorganic or chemical fertilizers applied									
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	No inorganic/chemical fertilizer applied
Number of plots where crop is cultivated														
South East	Zone total	6,483,779.00	2,294,149.00	4189629	663441	14200	0	7,169.00	10,675.00	4755	1978595	106	19281	4,030,819.00
South South	Akwa Ibom	1,707,354.00	987,831.00	719524	22551	0	0	0.00	9,625.00	1349	172003	0	0	1,508,323.00
South South	Bayelsa	200800	191391	9409	544	0	0	80	0	0	4545	0	343	195626
South South	Cross River	827454	693693	133762	29070	767	449	636	342	0	102605	309	0	707079
South South	Delta	1147823	902427	245396	87058	1766	4473	0	304	0	53108	448	745	1007641
South South	Edo	450269	391324	58946	32382	431	191	2484	867	695	9091	135	0	406675
South South	Rivers	1,198,067.00	789,459.00	408608	213324	149	647	222.00	0.00	777	261328	413	1347	883,671.00
South South	Zone total	5,531,768.00	3,956,125.00	1575644	384929	3114	5760	3,422.00	11,138.00	2821	602680	1305	2434	4,709,015.00
South West	Ekiti	357853	345300	12554	181	684	0	0	451	0	9786	0	0	347298
South West	Lagos	114261	52885	61375	19863	0	0	0	220	0	15605	380	458	84055
South West	Ogun	686,032.00	562,449.00	123583	49971	0	880	430.00	0.00	0	57590	575	0	593,967.00
South West	Ondo	568426	508166	60260	15549	304	1264	1139	460	0	31457	0	0	524073
South West	Osun	588076	425746	162330	85114	0	605	221	3028	830	87058	912	148	444913
South West	Oyo	755,511.00	598,406.00	157105	34702	3171	1475	0.00	962.00	553	82278	277	1769	638,865.00
South West	Zone total	3,070,159.00	2,492,951.00	577207	205381	4159	4225	1,790.00	5,121.00	1383	283774	2144	2375	2,633,171.00
Nigeria	Total	18,835,304.00	10,688,375.00	8,146,929.00	2223017	32007	17879	16,215.00	32,045.00	14,402.00	3661755	10603	30055	13,673,781.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 2C: Cassava, by Zone/State name: use of fertilizers, pesticides, irrigation, Agricultural Year 2022/2023. Contd.

Cassava														
Zone	State	Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
			Number of plots where crop is cultivated											
North Central	Benue	1,662,963.00	679,167.00	983796	116976	37566	853591	5,830.00	4,523.00	27936	668091	994872	1662326	637.00
North Central	Fct	74829	33703	41126	13150	844	26878	157	4264	2429	22890	51940	71351	3478
North Central	Kogi	705963	526357	179606	32548	12530	105478	20121	11849	12804	140233	565730	702614	3349
North Central	Kwara	261790	101501	160289	55931	28009	61457	3900	25698	28609	105506	156284	260614	1176
North Central	Nasarawa	182582	58658	123924	41689	13560	102774	2929	315	2361	67235	115348	181799	783
North Central	Niger	130,334.00	63,917.00	66417	7385	1623	60121	1,644.00	1,551.00	238	62304	68030	129488	846.00
North Central	Plateau	46,969.00	37,090.00	9879	2299	499	6704	0.00	587.00	920	10280	36689	46969	NA
North Central	Zone total	3,065,430.00	1,500,394.00	1565037	269979	94632	1217002	34,580.00	48,785.00	75297	1076538	1988892	3055161	10,269.00
North East	Adamawa	28,897.00	21,139.00	7757	674	242	6593	0.00	1,970.00	0	5742	23155	28499	398.00
North East	Bauchi	39,091.00	28,001.00	11090	8340	597	7800	0.00	0.00	468	21127	17965	37004	2,087.00
North East	Borno	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Gombe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Taraba	274121	164125	109996	34847	1801	80746	1597	1499	6945	106893	167227	273699	421
North East	Yobe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone total	347,074.00	214,974.00	132,101.00	44472	2640	97959	1,880.00	3,470.00	7,412.00	135264	211810	344168	2,906.00
North West	Jigawa	16,560.00	11869	4691	4426	538	0	0.00	0	0	5249	11311	16560	NA
North West	Kaduna	68,794.00	30,305.00	38490	14692	6072	23897	2,168.00	1,748.00	3757	16868	51926	68350	444.00
North West	Kano	98,341.00	43,692.00	54649	30195	5431	16277	1,765.00	6,037.00	7171	30073	68268	92845	5,496.00
North West	Katsina	53,982.00	31,294.00	22688	17794	2697	1945	0.00	468.00	1743	30706	23275	53982	NA
North West	Kebbi	43,174.00	27960	15214	7588	185	5873	1,451.00	462	1561	16158	27016	41154	2,021.00
North West	Sokoto	51,698.00	18,750.00	32948	16529	3076	4410	1,707.00	3,445.00	20195	16781	34917	43841	7,857.00
North West	Zamfara	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zone total	337,093.00	165,753.00	171,340.00	91896	18207	54807	7,301.00	12,159.00	34,427	116569	220524	321276	15,817.00
South East	Abia	1472091	1228585	243506	224074	6049	48163	7376	2786	3081	941472	530619	1470486	1605
South East	Anambra	1,142,454.00	956190	186264	25890	37587	106024	3,198.00	2031	17697	758377	384077	1135569	6,886.00
South East	Ebonyi	1069511	800843	268668	8085	9901	245794	4963	437	5288	831386	238125	1069511	NA
South East	Enugu	987181	820450	166731	12581	2617	122583	1331	30299	3074	668483	318698	986004	1177
South East	Imo	1,812,542.00	1747550	64992	32509	2178	14478	9,107.00	4209	4015	1227509	585032	1809500	3,042.00
South East	Zone total	6,483,779	5,553,617.00	930161	303139	58333	537042	25,975.00	39,763.00	33155	4427228	2056551	6471070	12,709.00
South South	Akwa Ibom	1,707,354.00	1,559,731.00	147623	69115	6675	46810	899.00	0.00	32100	417465	1289889	1701464	5,891.00
South South	Bayelsa	200800	126384	74416	13542	1128	62872	1268	112	3195	47863	152937	192727	8073
South South	Cross River	827454	597356	230098	4160	14153	200720	5140	1246	17712	663416	164038	826399	1055
South South	Delta	1147823	603683	544140	48773	11088	485114	4839	9962	1619	512926	634897	1147823	NA
South South	Edo	450269	359452	90817	13008	1725	63411	960	17241	2052	216575	233694	449849	421
South South	Rivers	1,198,067.00	972,972.00	225096	38240	53556	108090	53,536.00	15,139.00	43002	454238	743829	1186836	11,231.00
South South	Zone total	5,531,768.00	4,219,579.00	1312189	186839	88325	967017	66,641.00	43,700.00	99680	2312483	3219285	5505098	26,670.00
South West	Ekiti	357853	177435	180418	2200	6026	167916	1195	255	17434	238845	119008	356850	1003
South West	Lagos	114261	81218	33042	14919	2582	14184	0	999	2677	19018	95243	92974	21286
South West	Ogun	686,032.00	528,317.00	157715	57614	6325	90651	2,205.00	13,574.00	4670	227126	458906	681107	4,925.00
South West	Ondo	568426	416319	152107	19881	10834	121687	8205	13559	1433	219769	348657	567441	986

Table 2C: Cassava, by Zone/State name: use of fertilizers, pesticides, irrigation, Agricultural Year 2022/2023. Contd.

Zone	State	Cassava												
		Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
Number of plots where crop is cultivated														
South West	Osun	588076	261256	326819	141093	32178	165536	14634	31755	54063	152863	435213	582206	5869
South West	Oyo	755,511.00	319,962.00	435549	53801	29036	378560	7,838.00	19,588.00	17192	337744	417767	745717	9,794.00
South West	Zone total	3,070,159.00	1,784,508.00	1285651	289508	86981	938534	34,078.00	79,731.00	97471	1195364	1874795	3026295	43,863.00
Nigeria	Total	18,835,304	13,438,825.00	5,396,479	1185832	349117	3812361	170,4540	227,608.00	347,442	9263446	9571857	18723068	112,235

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 3A: Groundnut/peanuts, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.												
Zone	State	Groundnut/peanuts										
		Total # of plots where crop is cultivated		Fertilizers used on crop								
		Solid Manure	Liquid manure/slurry	No	Yes	Type of organic fertilizers applied						
						Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	No organic fertilizer applied		
Number of plots where crop is cultivated												
North Central	Benue	962,071.00	486924	475148	115218	19148	10,208.00	0.00	9996	286	810847	
North Central	Fct	78949	33453	45496	20006	163	140	0	2481	0	57112	
North Central	Kogi	80058	55518	24539	7497	4096	0	0	0	1256	67209	
North Central	Kwara	36892	19333	17559	13132	453	0	0	0	0	23434	
North Central	Nasarawa	237564	81529	156035	74193	4633	67062	0	255	0	110906	
North Central	Niger	459,542.00	174052	285490	189415	1992	18,979.00	332.00	0	88	259689	
North Central	Plateau	266,183.00	106725	159458	116080	1346	1,940.00	205.00	102	0	147178	
North Central	Zone total	2,121,259.00	957534	1163725	535541	31832	98,328.00	537.00	12834	1630	1476375	
North East	Adamawa	321,804.00	231167	90637	52916	1856	1,189.00	0.00	0	256	265880	
North East	Bauchi	678,810.00	190606	488204	440579	5043	35,039.00	0.00	0	0	232389	
North East	Borno	433596	146565	287031	130251	7974	12,479.00	5914	0	0	278612	
North East	Gombe	88668	38039	50629	40618	265	639	0	196	0	47410	
North East	Taraba	362333	203805	158528	37592	3044	1528	407	3113	5360	314456	
North East	Yobe	149759	53595	96164	78060	3968	4237	3669	0	88	63469	
North East	Zone total	2,034,970.00	863,777.00	1171192	780017	22150	55,111.00	9,990.00	3,308.00	5704	1202217	
North West	Jigawa	467824	21808	446016	420142	963	844.00	315	0	353	46603	
North West	Kaduna	222,153.00	111580	110573	83448	650	8,921.00	0.00	0	0	131143	
North West	Kano	571,025.00	36502	534523	497289	19863	31,483.00	6,231.00	2467	0	53797	
North West	Katsina	445,420.00	2751	442669	408781	2819	22,097.00	380.00	0	402	12276	
North West	Kebbi	257627	53637	203990	188354	9375	10,904.00	378	185	0	66179	
North West	Sokoto	330,478.00	2849	327629	307982	28458	15,836.00	183.00	1988	0	9496	
North West	Zamfara	272612	36572	236041	226118	2957	2858	197	0	0	46297	
North West	Zone total	2,567,139.00	265,699.00	2301440	2132115	65084	92,942.00	7,683.00	4,640.00	755	365790	
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Ebonyi	61739	43359	18380	11622	0	4504	0	0	0	47334	
South East	Enugu	41666	18226	23440	10644	0	233	0	0	0	30788	
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Zone total	118,704.00	64201	54503	33185	0	6,451.00	0.00	0	0	81645	
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Bayelsa	6293	6118	175	0	0	0	0	0	0	6293	
South South	Cross River	86183	60171	26012	1120	1534	1324	0	0	0	82490	
South South	Delta	42729	37362	5366	1022	406	0	0	0	0	41301	
South South	Edo	22696	16459	6237	2819	0	0	288	0	0	19877	
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Zone total	169,571.00	124354	45218	9888	1940	2,569.00	288.00	0	0	155612	

Table 3A: Groundnut/peanuts, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Groundnut/peanuts										
		Total # of plots where crop is cultivated		Fertilizers used on crop								
		Solid Manure	Liquid manure/slurry	No	Yes	Type of organic fertilizers applied						
						Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	No organic fertilizer applied		
Number of plots where crop is cultivated												
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	9,256.00	5325	3932	333	293	0.00	0.00	0	0		8924
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	21,974.00	17215	4759	1729	175	0.00	0.00	0	0		20069
South West	Zone total	40,606.00	29104	11502	3783	469	0.00	0.00	0	0		36647
Nigeria	Total	7,052,249.00	2,304,668.00	4747581	3494529	121475	255,401.00	18,497.00	20,782.00	8089		3318286

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 3B: Groundnut/peanuts, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.														
Zone	State	Total # of plots where crop is cultivated	Groundnut/peanuts											
			Fertilizers used on crop											
			Type of inorganic or chemical fertilizers applied											
			No	Yes	Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	No inorganic/chemical fertilizer applied
Number of plots where crop is cultivated														
North Central	Benue	962,071.00	486,924.00	475148	264802	10593	21412	0.00	0.00	0	218539	422	2539	522,257.00
North Central	Fct	78949	33453	45496	26532	0	0	953	0	0	18326	1504	0	43237
North Central	Kogi	80058	55518	24539	6291	230	0	0	0	0	12635	0	384	61679
North Central	Kwara	36892	19333	17559	7792	0	0	0	0	273	10556	0	195	22941
North Central	Nasarawa	237564	81529	156035	62604	0	7506	0	140	0	28600	0	1649	154182
North Central	Niger	459,542.00	174,052.00	285490	121798	1271	86	424.00	0.00	0	160516	287	4580	253,914
North Central	Plateau	266,183.00	106,725.00	159458	91923	0	172	0.00	0.00	0	82192	272	297	153,747
North Central	Zone total	2,121,259.00	957,534.00	1163725	581741	12094	29175	1,377.00	140.00	273	531363	2485	9645	1,211,958
North East	Adamawa	321,804.00	231,167.00	90637	34842	695	7871	0.00	0.00	0	34240	0	589	261,712
North East	Bauchi	678,810.00	190,606.00	488204	245312	582	250	383.00	562.00	167	159163	167	161	377,393
North East	Borno	433,596.00	146565	287031	92749	904	1178	2,819.00	253	0	127684	1388	1258	220,916
North East	Gombe	88668	38039	50629	28126	0	837	0	0	196	19159	0	0	54590
North East	Taraba	362333	203805	158528	97192	0	4810	191	0	683	64881	244	4926	232436
North East	Yobe	149759	53595	96164	12137	0	0	0	124	0	32952	248	744	105865
North East	Zone total	2,034,970.00	863,777.00	1,171,192.00	510358	2180	14946	3,393.00	939.00	1,046.00	438078	2047	7677	1,252,912
North West	Jigawa	467,824.00	21808	446016	185764	0	0	188.00	0	0	132849	0	0	236,953
North West	Kaduna	222,153.00	111,580.00	110573	52499	0	0	0.00	0.00	1339	74773	1178	0	134,532
North West	Kano	571,025.00	36,502.00	534523	299884	1222	1766	760.00	5,328.00	1763	212683	6918	177	180,034
North West	Katsina	445,420.00	2,751.00	442669	249978	310	0	291.00	0.00	0	152475	1875	2858	135,189
North West	Kebbi	257,627.00	53637	203990	102831	783	1124	565.00	709	0	62520	383	579	121,033
North West	Sokoto	330,478.00	2,849.00	327629	199999	0	0	0.00	549.00	0	170791	606	0	93,628
North West	Zamfara	272612	36572	236041	89569	0	3229	0	0	0	103655	0	0	130384
North West	Zone total	2,567,139.00	265,699.00	2,301,440.00	1180524	2316	6119	1,804.00	6,586.00	3,102.00	909746	10960	3614	1,031,753
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	61739	43359	18380	3900	0	0	0	0	0	5080	0	529	52473
South East	Enugu	41666	18226	23440	9978	285	0	0	0	0	9959	0	0	25348
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	118,704.00	64,201.00	54503	16355	285	0	0.00	0.00	0	19208	0	529	87,090.00

Table 3B: Groundnut/peanuts, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.															
Zone	State	Groundnut/peanuts													
		Total # of plots where crop is cultivated	Fertilizers used on crop												
			No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated															
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Bayelsa	6293	6118	175	0	0	0	0	0	0	0	175	0	0	6118
South South	Cross River	86183	60171	26012	6842	767	0	0	0	0	0	19106	0	0	62067
South South	Delta	42729	37362	5366	945	0	847	71	0	0	0	2302	0	0	38565
South South	Edo	22696	16459	6237	3136	534	0	0	0	0	0	2064	0	0	17804
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	169,571.00	124,354.00	45218	12489	1301	1800	71.00	435.00	0	25279	0	0	132,590.00	
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	9,256.00	5,325.00	3932	2958	0	293	0.00	0.00	0	0	2016	0	0	5,325.00
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	21,974.00	17,215.00	4759	1350	0	143	0.00	0.00	0	0	2315	229	0	18,165.00
South West	Zone total	40,606.00	29,104.00	11502	6322	0	437	0.00	0.00	0	4838	229	0	30,625.00	
Nigeria	Total	7,052,249.00	2,304,668.00	4,747,581.00	2307790	18176	52477	6,644.00	8,100.00	4,421.00	1928513	15721	21465	3,746,927	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 3C: Groundnut/peanuts, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.														
Zone	State	Total # of plots where crop is cultivated	Groundnut/peanuts											
			Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides		Other			
Number of plots where crop is cultivated														
North Central	Benue	962,071.00	384,205.00	577866	95481	26062	474015	2,632.00	5,356.00	34708	8730	953341	961684	387.00
North Central	Fct	78949	19646	59303	16119	308	49148	953	4174	1415	3483	75466	76189	2760
North Central	Kogi	80058	51085	28973	6364	785	16994	1479	2867	2812	729	79329	80058	NA
North Central	Kwara	36892	12323	24570	10329	376	11224	2041	346	892	155	36737	36892	NA
North Central	Nasarawa	237564	68262	169302	62452	7524	143416	772	1022	8718	2024	235540	237564	NA
North Central	Niger	459,542.00	175,514.00	284027	116971	8257	201343	5,543.00	5,237.00	7748	6887	452654	458970	572.00
North Central	Plateau	266,183.00	153,715.00	112467	41161	8720	70672	1,159.00	22,301.00	19733	1440	264743	265660	523.00
North Central	Zone total	2,121,259.00	864,751.00	1256508	348878	52032	966811	14,580.00	41,303.00	76027	23449	2097811	2117017	4,242.00
North East	Adamawa	321,804.00	135,964.00	185840	37800	32739	133967	4,785.00	3,974.00	729	5526	316278	318509	3,295.00
North East	Bauchi	678,810.00	352,694.00	326116	143839	6206	192096	2,416.00	2,396.00	25838	5983	672827	665799	13,011.00
North East	Borno	433,596.00	173317	260279	107802	4988	129302	27,280.00	7905	11393	16700	416896	427325	6,271.00
North East	Gombe	88668	31844	56824	10953	1058	45468	1521	1197	461	1147	87521	87190	1478
North East	Taraba	362333	170161	192172	51510	4156	148906	1292	2193	10121	14277	348056	361776	556
North East	Yobe	149759	117433	32326	12768	836	11998	1152	0	9075	5162	144597	149759	NA
North East	Zone total	2,034,970.00	981,413.00	1,053,556.00	364672	49984	661738	38,447.00	17,663.00	57,617.00	48795	1986174	2010358	24,612.00
North West	Jigawa	467,824.00	278902	188922	157036	17239	19970	4,722.00	870	541	34638	433186	467336	488.00
North West	Kaduna	222,153.00	82,407.00	139746	67416	17837	78647	1,471.00	5,670.00	7856	2018	220135	221349	804.00
North West	Kano	571,025.00	265,885.00	305140	206872	30120	82435	11,393.00	11,177.00	33371	16838	554187	551208	19,818.00
North West	Katsina	445,420.00	174,593.00	270827	191637	42234	27986	23,732.00	9,648.00	19491	24266	421154	445420	NA
North West	Kebbi	257,627.00	125377	132250	41189	21308	86672	11,472.00	5602	3527	12532	245095	243493	14,134.00
North West	Sokoto	330,478.00	100,814.00	229664	162526	28737	35531	4,632.00	11,632.00	72975	13353	317125	309282	21,196.00
North West	Zamfara	272612	140694	131918	59552	12196	83475	18561	897	9078	1679	270933	271691	921
North West	Zone total	2,567,139.00	1,168,673.00	1,398,466.00	886229	169672	414716	75,982.00	45,495.00	146,839.00	105324	2461815	2509778	57,361.00
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	61739	54401	7338	0	431	6640	0	0	511	2682	59057	61739	NA
South East	Enugu	41666	20446	21220	7171	0	16726	0	138	1602	2285	39381	41666	NA
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	118,704.00	87,976.00	30728	9055	431	23651	0.00	138.00	2113	6986	111718	118704	NA
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Bayelsa	6293	4276	2017	460	211	1364	0	0	0	1470	4824	5679	615
South South	Cross River	86183	44156	42026	3994	285	36448	0	0	2720	189	85993	86183	NA
South South	Delta	42729	21873	20855	4375	748	15796	666	0	1695	3933	38796	42729	NA
South South	Edo	22696	14044	8652	3140	288	4590	0	644	271	3121	19576	22696	NA
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	169,571.00	91,358.00	78214	14668	1531	59278	1,124.00	644.00	5111	8713	160859	168957	615.00
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 3C: Groundnut/peanuts, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.

Zone	State	Total # of plots where crop is cultivated	Groundnut/peanuts											Did the household irrigate this crop during the reference period?	
			Pesticide products used on crop								Reporting no harvest	Reporting harvest			
			No	Yes	Type of pesticides applied										
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other	No	Yes			
Number of plots where crop is cultivated															
South West	Ogun	9,256.00	7,763.00	1493	910	0	693	183.00	0.00	0	NA	9256	9156	100.00	
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Oyo	21,974.00	9,499.00	12475	3886	0	10883	0.00	0.00	532	1013	20961	21709	265.00	
South West	Zone total	40,606.00	23,660.00	16946	5947	0	13255	183.00	276.00	686	1081	39525	40173	433.00	
Nigeria	Total	7,052,249.00	3,217,831.00	3,834,418.00	1629448	273650	2139450	130,315.00	105,519.00	288,393.00	194348	6857901	6964986	87,263.00	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 4A: Guinea Corn/Sorghum, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Guinea Corn/Sorghum									
		Total # of plots where crop is cultivated	Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated											
North Central	Benue	510,646.00	251,154.00	259492	57385	12724	3787	0.00	2,254.00	0	436658
North Central	Fct	143131	49098	94032	50451	886	151	0	0	0	91794
North Central	Kogi	100209	61515	38693	11439	5831	71	0	121	0	84164
North Central	Kwara	162502	75377	87125	48602	1060	3953	330	1837	0	111295
North Central	Nasarawa	261179	68490	192690	110281	3365	22547	80	46	73	128061
North Central	Niger	551,422.00	153,838.00	397584	220258	4999	33073	1,083.00	0.00	354	306510
North Central	Plateau	428,957.00	76,221.00	352736	245912	3342	7398	2,806.00	1,249.00	198	174091
North Central	Zone total	2,158,046.00	735,693.00	1422353	744327	32206	70980	4,300.00	5,507.00	625	1332575
North East	Adamawa	330,916.00	145,623.00	185292	95539	4066	226	337.00	0.00	0	232856
North East	Bauchi	1,357,552.00	190,489.00	1167063	989025	2247	68530	2,571.00	0.00	0	350450
North East	Borno	227,208.00	67373	159834	69504	4631	4905	7,491.00	0	0	143192
North East	Gombe	195268	36244	159023	116687	275	1453	0	196	0	76943
North East	Taraba	317666	164062	153604	34372	3413	1416	453	3267	1860	276469
North East	Yobe	652850	75016	577834	442017	34790	80770	19508	193	88	125124
North East	Zone total	3,081,459.00	678,808.00	2,402,651.00	1747144	49422	157301	30,360.00	3,655.00	1,948.00	1205033
North West	Jigawa	1,467,067.00	50810	1416257	1305569	7541	6139	5,162.00	496	1969	145618
North West	Kaduna	722,642.00	52,942.00	669700	422896	4005	55720	3,671.00	1,795.00	2225	257232
North West	Kano	1,263,253.00	21,055.00	1242198	1154464	46235	73473	6,969.00	2,828.00	437	86359
North West	Katsina	1,126,021.00	29,053.00	1096967	928242	1167	121606	349.00	3,769.00	402	78191
North West	Kebbi	668,861.00	77713	591147	488928	8616	24890	3,792.00	185	0	171458
North West	Sokoto	805,523.00	8,491.00	797031	736274	42214	30315	1,365.00	2,140.00	0	37737
North West	Zamfara	622741	52457	570284	521096	6618	5835	282	0	0	101363
North West	Zone total	6,676,108.00	292,523.00	6,383,585.00	5557468	116396	317977	21,590.00	11,213.00	5,034.00	877957
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 4A: Guinea Corn/Sorghum, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.												
Zone	State	Guinea Corn/Sorghum										
		Total # of plots where crop is cultivated	Fertilizers used on crop									
			No	Yes	Type of organic fertilizers applied							No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other		
Number of plots where crop is cultivated												
South East	Ebonyi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Enugu	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	58,030.00	35,123.00	22907	6261	388	0	0.00	0.00	0	51381	
South West	Zone total	62,173.00	36,714.00	25459	6866	388	41	0.00	0.00	0	54878	
Nigeria	Total	11,983,150.00	1,747,007.00	10,236,143.00	8057140	198412	546299	56,388.00	20,376.00	7,607.00	3474334	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 4B: Guinea Corn/Sorghum, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.															
Zone	State	Total # of plots where crop is cultivated	Guinea Corn/Sorghum												
			Fertilizers used on crop												
			No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated															
North Central	Benue	510,646.00	251,154.00	259492	168264	1392	5631	0.00	0.00	424	110633	0	0	268,736.00	
North Central	Fct	143131	49098	94032	50340	0	0	0	0	0	42006	904	706	75160	
North Central	Kogi	100209	61515	38693	15283	0	0	0	0	0	22694	0	0	67143	
North Central	Kwara	162502	75377	87125	32553	3006	0	2524	0	869	55326	0	458	87790	
North Central	Nasarawa	261179	68490	192690	102547	0	372	238	129	353	70336	0	91	137483	
North Central	Niger	551,422.00	153,838.00	397584	180331	339	209	0.00	178.00	166	265479	110	7115	228,561.00	
North Central	Plateau	428,957.00	76,221.00	352736	230786	201	2238	201.00	0.00	341	204578	711	1270	151,573.00	
North Central	Zone total	2,158,046.00	735,693.00	1422353	780104	4938	8450	2,963.00	307.00	2153	771052	1725	9640	1,016,448.00	
North East	Adamawa	330,916.00	145,623.00	185292	106637	0	327	0.00	0.00	0	102720	419	0	202,333.00	
North East	Bauchi	1,357,552.00	190,489.00	1167063	626100	562	319	0.00	0.00	600	537878	1356	2127	527,992.00	
North East	Borno	227,208.00	67373	159834	62396	0	0	461.00	0	316	87956	1608	307	101,012.00	
North East	Gombe	195268	36244	1159023	113987	808	188	0	0	0	79103	297	0	63851	
North East	Taraba	317666	164062	153604	107741	149	2084	0	0	0	88512	226	1526	179035	
North East	Yobe	652850	75016	577834	112215	1093	0	0	124	0	146534	785	1522	404140	
North East	Zone total	3,081,459.00	678,808.00	2,402,651.00	1129075	2613	2918	461.00	124.00	915.00	1042703	4690	5483	1,478,364.00	
North West	Jigawa	1,467,067.00	50810	1416257	643448	210	369	0.00	0	508	472595	373	3073	675,095.00	
North West	Kaduna	722,642.00	52,942.00	669700	511080	159	660	274.00	3,414.00	274	516728	12691	237	90,490.00	
North West	Kano	1,263,253.00	21,055.00	1242198	939735	15144	1473	342.00	15,000.00	243	720113	13584	1645	145,983.00	
North West	Katsina	1,126,021.00	29,053.00	1096967	782252	0	1004	663.00	292.00	0	501862	4819	6212	241,623.00	
North West	Kebbi	668,861.00	77713	591147	354772	1482	2006	1,122.00	924	0	285882	3646	1375	200,363.00	
North West	Sokoto	805,523.00	8,491.00	797031	566270	1041	0	0.00	214.00	455	475426	216	0	129,740.00	
North West	Zamfara	622741	52457	570284	325030	0	142	0	0	446	408857	707	67	147346	
North West	Zone total	6,676,108.00	292,523.00	6,383,585.00	4122588	18036	5653	2,401.00	19,844.00	1,926.00	3381462	36034	12608	1,630,641.00	
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Ebonyi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Enugu	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Cross River	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ogun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	

Table 4B: Guinea Corn/Sorghum, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.														
Zone	State	Total # of plots where crop is cultivated	Guinea Corn/Sorghum											
			Fertilizers used on crop		Type of inorganic or chemical fertilizers applied									
			No	Yes	Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	No inorganic/chemical fertilizer applied
			Number of plots where crop is cultivated											
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	58,030.00	35,123.00	22907	10072	0	474	0.00	0.00	0	13848	0	0	38,942.00
South West	Zone total	62,173.00	36,714.00	25459	11266	0	474	0.00	0.00	0	15206	0	0	40,533.00
Nigeria	Total	11,983,150.00	1,747,007.00	10,236,143.00	6043119	25587	17494	5,825.00	20,275.00	4,995.00	5211328	42449	27731	4,170,359.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 4C: Guinea Corn/Sorghum, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.

Guinea Corn/Sorghum														
Zone	State	Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
			Number of plots where crop is cultivated											
North Central	Benue	510,646.00	184,592.00	326054	49471	12797	292119	888.00	936.00	10003	29853	480794	510646	NA
North Central	Fct	143131	47846	95285	19038	3002	82113	0	144	1786	5589	137541	143039	92
North Central	Kogi	100209	52979	47230	8935	1456	32705	5765	915	2354	2031	98178	100002	207
North Central	Kwara	162502	48126	114376	41759	21301	55004	1123	3909	17200	6415	156088	161516	986
North Central	Nasarawa	261179	70553	190626	62293	16093	153329	1646	1724	6799	12678	248502	261179	NA
North Central	Niger	551,422.00	140,626.00	410796	127930	9771	334930	4,580.00	0.00	6340	60635	490787	550603	819.00
North Central	Plateau	428,957.00	233,294.00	195663	45056	18800	129458	2,226.00	17,391.00	37962	4640	424317	424567	4,390.00
North Central	Zone total	2,158,046.00	778,017.00	1380029	354483	83220	1079658	16,227.00	25,020.00	82444	121841	2036205	2151553	6,493.00
North East	Adamawa	330,916.00	153,530.00	177385	15801	12641	163423	0.00	330.00	963	27841	303074	301817	29,098.00
North East	Bauchi	1,357,552.00	734,655.00	622897	155207	21913	432590	12,650.00	1,020.00	26785	17925	1339627	1330109	27,443.00
North East	Borno	227,208.00	102894	124314	57388	5377	60744	1,607.00	576	3065	18737	208471	226720	488.00
North East	Gombe	195268	72935	122333	32726	4050	102103	3062	943	196	3275	191992	191644	3624
North East	Taraba	317666	131002	186663	51237	2152	142666	1410	1278	21157	15605	302061	317227	439
North East	Yobe	652850	468683	184168	73669	2067	100735	5898	856	21479	14963	637887	652059	791
North East	Zone total	3,081,459.00	1,663,699.00	1,417,760.00	386027	48201	1002260	24,627.00	5,003.00	73,644.00	98347	2983112	3019575	61,884.00
North West	Jigawa	1,467,067.00	1114129	352938	238748	58975	65484	2,309.00	1658	1528	128148	1338919	1462412	4,655.00
North West	Kaduna	722,642.00	188,557.00	534086	218442	35544	359406	18,792.00	15,660.00	23472	8089	714553	710656	11,986.00
North West	Kano	1,263,253.00	633,696.00	629558	449661	65362	200177	13,645.00	14,300.00	50624	31553	1231700	1223704	39,550.00
North West	Katsina	1,126,021.00	625,289.00	500732	284633	76288	141013	44,785.00	29,284.00	29463	28983	1097038	1125605	415.00
North West	Kebbi	668,861.00	338280	330581	107961	60396	233492	26,035.00	7667	2804	30369	638491	618241	50,620.00
North West	Sokoto	805,523.00	257,121.00	548402	448151	72441	46358	12,945.00	20,536.00	51290	37845	767678	769453	36,070.00
North West	Zamfara	622741	283250	339491	99890	43492	262161	33235	606	4577	5541	617200	620452	2289
North West	Zone total	6,676,108.00	3,440,321.00	3,235,787.00	1847485	412498	1308091	151,746.00	89,711.00	163,758.00	270529	6405579	6530523	145,584.00
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Enugu	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 4C: Guinea Corn/Sorghum, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.														
Zone	State	Guinea Corn/Sorghum												
		Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
Number of plots where crop is cultivated														
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	58,030.00	6,848.00	51182	40138	1910	49240	0.00	0.00	284	829	57201	58030	NA
South West	Zone total	62,173.00	8,262.00	53911	41289	2785	51693	0.00	276.00	284	901	61272	62173	NA
Nigeria	Total	11,983,150.00	5,894,190.00	6,088,959.00	2629458	546937	3442768	192,600.00	120,010.00	320,130.00	491850	11491300	11769189	213,961.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 5A: Maize, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Total # of plots where crop is cultivated	Maize									No organic fertilizer applied
			Fertilizers used on crop		Type of organic fertilizers applied							
			No	Yes	Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other		
			Number of plots where crop is cultivated									
North Central	Benue	875,671.00	310,090.00	565582	168298	25131	17144	1,625.00	1,523.00	0	666125	
North Central	Fct	291053	42387	248666	119553	1600	839	0	2315	0	168255	
North Central	Kogi	670915	348749	322166	88451	57069	2640	157	441	2022	532750	
North Central	Kwara	430590	139215	291375	197403	4105	7741	4922	3668	0	224935	
North Central	Nasarawa	537000	88215	448785	292184	7511	33140	607	213	183	215671	
North Central	Niger	1,027,188.00	142,410.00	884777	508800	7878	61749	1,014.00	0.00	1182	462782	
North Central	Plateau	1,196,143.00	41,210.00	1154933	835683	4852	32594	19,123.00	445.00	0	335230	
North Central	Zone total	5,028,560.00	1,112,277.00	3916283	2210371	108146	155847	27,448.00	8,605.00	3387	2605747	
North East	Adamawa	986,546.00	160,231.00	826315	318054	14574	12969	273.00	486.00	671	649117	
North East	Bauchi	800,951.00	34,123.00	766828	527867	17248	5016	2,856.00	0.00	0	260690	
North East	Borno	574,537.00	136687	437850	202882	11216	7329	7,720.00	0	0	350860	
North East	Gombe	339719	3869	335850	258585	1243	15122	391	196	0	68807	
North East	Taraba	792989	179321	613668	156025	10699	12702	1327	15989	19257	597361	
North East	Yobe	70751	13062	57689	41511	0	349	1805	0	0	27086	
North East	Zone total	3,565,493.00	527,293.00	3,038,200.00	1504924	54980	53487	14,372.00	16,671.00	19,929.00	1953922	
North West	Jigawa	137,951.00	2073	135879	106611	0	1198	440.00	354	0	29786	
North West	Kaduna	1,786,900.00	20,566.00	1766334	1260192	17731	173921	12,005.00	19,460.00	10999	382530	
North West	Kano	1,372,202.00	15,638.00	1356564	1270801	81257	107313	8,478.00	6,556.00	431	69205	
North West	Katsina	819,190.00	2,113.00	817076	698392	2256	63650	488.00	709.00	0	62546	
North West	Kebbi	462,652.00	24285	438366	363521	24589	12806	2,528.00	605	0	91976	
North West	Sokoto	314,002.00	848.00	313155	297451	42435	8132	889.00	2,037.00	0	6673	
North West	Zamfara	463701	9532	454169	403841	3317	2785	98	125	0	58883	
North West	Zone total	5,356,598.00	75,055.00	5,281,543.00	4400810	171586	369806	24,926.00	29,846.00	11,431.00	701598	
South East	Abia	1097563	268309	829254	614689	1597	135204	0	0	919	382925	
South East	Anambra	719,180.00	82013	637167	397755	2534	191740	667.00	0	38321	192356	
South East	Ebonyi	488759	234627	254132	185612	0	45419	0	0	0	276047	
South East	Enugu	525995	111535	414461	307820	13409	28949	0	506	1785	193883	
South East	Imo	1,095,035.00	390249	704786	466822	3315	114710	0.00	4590	170	558053	
South East	Zone total	3,926,532.00	1,086,732.00	2839800	1972698	20854	516021	667.00	5,096.00	41195	1603265	
South South	Akwa Ibom	892,229.00	436,901.00	455328	342674	1779	156538	0.00	0.00	5708	464475	
South South	Bayelsa	21258	20441	816	210	14	529	0	0	63	20441	
South South	Cross River	262016	217060	44956	5066	0	3891	0	1187	290	252347	
South South	Delta	442607	311612	130995	63170	1000	1552	0	0	0	377149	
South South	Edo	208776	164264	44513	34145	4778	286	756	447	63	172035	
South South	Rivers	431,555.00	244,929.00	186626	115841	567	42485	835.00	0.00	70	298214	

Table 5A: Maize, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

		Maize									
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
		Number of plots where crop is cultivated									
South South	Zone total	2,258,442.00	1,395,207.00	863235	561106	8138	205281	1,592.00	1,634.00	6194	1584661
South West	Ekiti	239075	221743	17332	712	738	255	0	0	0	237370
South West	Lagos	79539	34065	45474	26777	5187	2862	104	58	744	44839
South West	Ogun	374,723.00	263,483.00	111240	49641	4122	2435	0.00	0.00	0	320230
South West	Ondo	365781	296916	68866	27536	11671	8128	125	0	0	319367
South West	Osun	510799	306027	204772	99374	15982	3972	1694	3445	0	401575
South West	Oyo	726,837.00	427,689.00	299148	74613	18042	3260	0.00	10,143.00	0	621447
South West	Zone total	2,296,756.00	1,549,923.00	746832	278654	55742	20913	1,923.00	13,646.00	744	1944828
Nigeria	Total	22,432,381.00	5,746,487.00	16,685,894.00	10928563	419448	1321355	70,929.00	75,498.00	82,879.00	10394021

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 5B: Maize, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.

Zone	State	Total # of plots where crop is cultivated	Maize											No inorganic/chemical fertilizer applied
			Fertilizers used on crop											
			No	Yes	Type of inorganic or chemical fertilizers applied									
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	
Number of plots where crop is cultivated														
North Central	Benue	875,671.00	310,090.00	565582	355202	2738	5933	1,255.00	0.00	258292	0	970	348,377.00	
North Central	Fct	291053	42387	248666	157915	0	229	1774	0	953	131094	5257	688	86796
North Central	Kogi	670915	348749	322166	101793	108	0	0	0	0	219285	729	1120	389417
North Central	Kwara	430590	139215	291375	117656	5728	0	2102	0	4342	183547	3674	887	165310
North Central	Nasarawa	537000	88215	448785	273103	469	1131	87	0	0	182769	432	229	201689
North Central	Niger	1,027,188.00	142,410.00	884777	420313	532	0	424.00	166.00	627	668939	732	9674	253,426.00
North Central	Plateau	1,196,143.00	41,210.00	1154933	897710	581	9104	367.00	2,059.00	965	858169	2656	14729	134,627.00
North Central	Zone total	5,028,560.00	1,112,277.00	3916283	2323691	10156	16398	6,009.00	2,225.00	6887	2502097	13479	28296	1,579,642.00
North East	Adamawa	986,546.00	160,231.00	826315	597954	365	0	0.00	0.00	0	570099	400	1170	259,247.00
North East	Bauchi	800,951.00	34,123.00	766828	610350	324	319	377.00	270.00	203	477275	1163	0	95,432.00
North East	Borno	574,537.00	136687	437850	212623	694	1416	2,562.00	586	316	261317	1782	2507	198,546.00
North East	Gombe	339719	3869	335850	299002	0	319	0	0	144	280400	1197	0	14246
North East	Taraba	792989	179321	613668	404913	961	3833	0	104	591	387929	338	10611	259190
North East	Yobe	70751	13062	57689	21196	0	0	0	0	0	30936	248	0	24946
North East	Zone total	3,565,493.00	527,293.00	3,038,200.00	2146038	2344	5887	2,939.00	959.00	1,253.00	2007955	5127	14288	851,608.00
North West	Jigawa	137,951.00	2073	135879	109479	0	0	0.00	0	0	65607	325	0	17,705.00
North West	Kaduna	1,786,900.00	20,566.00	1766334	1565088	2504	1408	1,442.00	9,849.00	1778	1450550	51692	1552	57,464.00
North West	Kano	1,372,202.00	15,638.00	1356564	1070593	21922	2079	932.00	36,385.00	1045	817911	43731	1547	92,310.00
North West	Katsina	819,190.00	2,113.00	817076	697203	387	1038	0.00	257.00	0	565165	2312	2061	42,064.00
North West	Kebbi	462,652.00	24285	438366	320165	1327	925	0.00	364	634	244806	4338	336	71,415.00
North West	Sokoto	314,002.00	848.00	313155	239826	0	0	0.00	0.00	0	201571	0	0	43,816.00
North West	Zamfara	463701	9532	454169	284666	0	309	0	0	0	333034	433	0	38337
North West	Zone total	5,356,598.00	75,055.00	5,281,543.00	4287021	26141	5760	2,374.00	46,854.00	3,457.00	3678643	102831	5496	363,112.00
South East	Abia	1097563	268309	829254	207020	0	0	2898	0	354	443834	0	6363	533132
South East	Anambra	719,180.00	82013	637167	58086	4428	138	0.00	703	841	279093	0	2340	392,935.00
South East	Ebonyi	488759	234627	254132	96761	0	0	0	736	0	100201	0	5180	321935
South East	Enugu	525995	111535	414461	61840	6146	0	0	0	0	187890	0	0	295453
South East	Imo	1,095,035.00	390249	704786	42860	0	0	0.00	217	628	349507	703	4176	720,037.00
South East	Zone total	3,926,532.00	1,086,732.00	2839800	466567	10574	138	2,898.00	1,657.00	1823	1360525	703	18059	2,263,492.00
South South	Akwa Ibom	892,229.00	436,901.00	455328	21909	0	0	0.00	8,872.00	0	98312	0	314	771,974.00
South South	Bayelsa	21258	20441	816	0	0	0	0	0	0	466	0	63	20728
South South	Cross River	262016	217060	44956	9502	0	0	0	0	0	34463	0	0	223207
South South	Delta	442607	311612	130995	63357	922	4244	2815	304	337	23739	0	2073	351677
South South	Edo	208776	164264	44513	25445	972	0	630	714	892	8478	531	0	174751
South South	Rivers	431,555.00	244,929.00	186626	76395	734	178	0.00	370.00	0	107482	151	1827	296,487.00
South South	Zone total	2,258,442.00	1,395,207.00	863235	196609	2628	4422	3,445.00	10,260.00	1229	272940	682	4278	1,838,824.00
South West	Ekiti	239075	221743	17332	3271	903	306	127	127	0	12196	0	0	222997
South West	Lagos	79539	34065	45474	12384	0	0	0	278	0	16009	0	540	55885

Table 5B: Maize, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.

		Maize												
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop											No inorganic/chemical fertilizer applied
			No	Yes	Type of inorganic or chemical fertilizers applied									
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	
Number of plots where crop is cultivated														
South West	Ogun	374,723.00	263,483.00	111240	47903	293	0	193.00	377.00	141	50503	72	188	290,032.00
South West	Ondo	365781	296916	68866	11365	0	120	1111	0	0	39126	0	0	318587
South West	Osun	510799	306027	204772	85647	280	0	302	3443	168	113752	5196	553	331148
South West	Oyo	726,837.00	427,689.00	299148	87069	3286	3663	1,030.00	3,329.00	340	190462	0	1884	463,410.00
South West	Zone total	2,296,756.00	1,549,923.00	746832	247638	4762	4089	2,764.00	7,555.00	648	422048	5268	3164	1,682,060.00
Nigeria	Total	22,432,381.00	5,746,487.00	16,685,894.00	9667565	56604	36694	20,429.00	69,510.00	15,297.00	10244208	128091	73581	8,578,737.00

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 5C: Maize, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Maize														
Zone	State	Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied								No	Yes
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other				
			Number of plots where crop is cultivated											
North Central	Benue	875,671.00	286,952.00	588719	124278	18434	473563	2,982.00	1,368.00	31708	25382	850289	875284	387.00
North Central	Fct	291053	89097	201956	44166	5834	174178	1326	1256	3372	10011	281042	282650	8403
North Central	Kogi	670915	406416	264499	92964	10597	153700	19383	16147	31324	6182	664733	668266	2649
North Central	Kwara	430590	91210	339380	169234	47559	114191	6939	21817	48363	4080	426510	424474	6116
North Central	Nasarawa	537000	118842	418158	130788	51778	326463	8181	2859	16833	10114	526886	535231	1769
North Central	Niger	1,027,188.00	314,705.00	712483	220667	23491	566306	10,730.00	1,531.00	11411	24343	1002845	1025262	1,926.00
North Central	Plateau	1,196,143.00	389,104.00	807039	250841	111228	549076	13,802.00	103,205.00	148425	9611	1186532	1185345	10,798.00
North Central	Zone total	5,028,560.00	1,696,325.00	3332235	1032939	268922	2357477	63,343.00	148,183.00	291436	89722	4938838	4996513	32,047.00
North East	Adamawa	986,546.00	309,499.00	677047	129554	77379	546480	2,805.00	9,834.00	3389	66252	920294	933898	52,648.00
North East	Bauchi	800,951.00	272,471.00	528481	177618	27121	364772	15,172.00	0.00	28816	10505	790446	772757	28,195.00
North East	Borno	574,537.00	217793	356744	144933	11366	201580	6,337.00	1589	8704	42553	531984	571687	2,850.00
North East	Gombe	339719	72628	267091	104904	8308	224296	25461	4715	4265	4824	334895	331253	8466
North East	Taraba	792989	272830	520159	146165	15983	410654	2918	3467	45283	50461	742528	791397	1592
North East	Yobe	70751	33118	37633	14763	0	27648	353	0	7215	1768	68983	69866	885
North East	Zone total	3,565,493.00	1,178,339.00	2,387,154.00	717938	140157	1775430	53,046.00	19,606.00	97,672.00	176363	3389130	3470857	94,636.00
North West	Jigawa	137,951.00	67903	70048	46840	11940	15659	322.00	0	426	44646	93306	125554	12,397.00
North West	Kaduna	1,786,900.00	201,793.00	1585107	854246	110760	975905	29,148.00	50,937.00	108053	11511	1775389	1749953	36,947.00
North West	Kano	1,372,202.00	337,659.00	1034543	741398	141696	311641	34,646.00	20,383.00	122594	48126	1324076	1287313	84,889.00
North West	Katsina	819,190.00	283,145.00	536045	300610	35818	251320	49,430.00	22,721.00	26684	22648	796542	815616	3,574.00
North West	Kebbi	462,652.00	164535	298116	138318	47234	161274	35,419.00	7142	3834	33708	428943	411932	50,719.00
North West	Sokoto	314,002.00	60,680.00	253323	183482	49184	49694	8,157.00	10,006.00	58156	3617	310385	281296	32,706.00
North West	Zamfara	463701	160156	303545	153844	19234	175766	9016	1679	3012	3765	459936	459573	4128
North West	Zone total	5,356,598.00	1,275,871.00	4,080,727.00	2418737	415866	1941259	166,138.00	112,869.00	322,759.00	168021	5188577	5131237	225,362.00
South East	Abia	1097563	893420	204143	187224	4129	30447	5247	3741	3589	7148	1090415	1095698	1865
South East	Anambra	719,180.00	589080	130101	16467	6960	87999	3,619.00	2167	17175	6788	712392	714256	4,924.00
South East	Ebonyi	488759	402178	86581	3453	1053	80302	1214	0	2524	2568	486190	488759	NA
South East	Enugu	525995	381239	144756	55748	2093	70000	274	20575	10230	8870	517126	523789	2206
South East	Imo	1,095,035.00	1050579	44456	22684	283	13104	2,336.00	2484	3566	24279	1070756	1093261	1,774.00
South East	Zone total	3,926,532.00	3,316,496.00	610037	285575	14518	281851	12,690.00	28,967.00	37085	49654	3876879	3915763	10,770.00
South South	Akwa Ibom	892,229.00	780,863.00	111366	68471	2413	17986	6,067.00	738.00	23676	1256	890974	882198	10,032.00
South South	Bayelsa	21258	12587	8671	4328	0	7737	0	152	63	3489	17769	20592	666
South South	Cross River	262016	211225	50791	8848	2995	41103	1088	185	2434	231	261785	261242	774
South South	Delta	442607	255758	186848	18844	5756	171250	235	4122	5231	16409	426198	441848	759
South South	Edo	208776	151519	57258	9503	440	36182	430	15079	5188	12981	195796	208278	498
South South	Rivers	431,555.00	333,455.00	98100	43013	4982	31974	9,453.00	6,016.00	26899	5941	425614	422710	8,845.00
South South	Zone total	2,258,442.00	1,745,407.00	513035	153007	16586	306231	17,273.00	26,292.00	63492	40307	2218135	2236867	21,575.00
South West	Ekiti	239075	93835	145241	6705	4498	127612	1094	2081	14536	3010	236065	238880	195
South West	Lagos	79539	45452	34088	10181	6075	13821	0	382	6662	5913	73627	61464	18075
South West	Ogun	374,723.00	249,107.00	125617	60560	4186	60935	1,903.00	6,441.00	3850	4668	370056	371683	3,040.00
South West	Ondo	365781	246679	119103	22132	9011	90864	8096	6526	944	1970	363812	365550	232

Table 5C: Maize, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Total # of plots where crop is cultivated	Maize											Did the household irrigate this crop during the reference period?	
			Pesticide products used on crop								Reporting no harvest	Reporting harvest	No	Yes	
			No	Yes	Type of pesticides applied										
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other					
Number of plots where crop is cultivated															
South West	Osun	510799	196139	314661	163404	32789	156995	15549	24630	58194	10952	499848	505239	5560	
South West	Oyo	726,837.00	235,540.00	491297	96635	39406	429460	8,121.00	19,478.00	21972	11564	715273	720218	6,618.00	
South West	Zone total	2,296,756.00	1,066,750.00	1230006	359617	95965	879687	34,763.00	59,538.00	106157	38075	2258680	2263035	33,721.00	
Nigeria	Total	22,432,381.00	10,279,188.00	12,153,193.00	4967813	952013	7541935	347,254.00	395,455.00	918,600.00	562143	21870238	22014271	418,111.00	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 6A: Millet/Maiwa, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Millet/Maiwa											
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated											
North Central	Benue	46,403.00	27,440.00	18962	3125	678	382	0.00	406.00	0	42600
North Central	Fct	28472	6313	22159	13217	821	0	0	0	0	14434
North Central	Kogi	15138	7494	7644	1194	1052	71	157	0	0	12821
North Central	Kwara	34489	15380	19108	13468	403	0	0	0	0	20618
North Central	Nasarawa	95048	17072	77976	50975	436	12648	0	0	46	34712
North Central	Niger	254,333.00	66,529.00	187805	108367	1500	18211	1,281.00	0.00	441	136073
North Central	Plateau	195,169.00	34,037.00	161132	123642	307	1411	0.00	459.00	276	69861
North Central	Zone total	669,051.00	174,265.00	494786	313988	5196	32723	1,439.00	865.00	763	331119
North East	Adamawa	98,090.00	43,727.00	54362	34600	4637	205	0.00	0.00	0	58649
North East	Bauchi	1,139,856.00	163,143.00	976713	828255	18319	61628	216.00	0.00	0	302746
North East	Borno	245,458.00	80310	165148	69532	5101	3832	13,356.00	0	0	154257
North East	Gombe	167636	7389	160246	134590	855	3245	196	0	0	29144
North East	Taraba	48502	19303	29199	7794	762	0	96	872	716	38538
North East	Yobe	650081	76147	573934	453911	36667	81785	15187	580	0	113424
North East	Zone total	2,349,623.00	390,021.00	1,959,602.00	1528681	66342	150696	29,051.00	1,452.00	716.00	696759
North West	Jigawa	1,366,018.00	45639	1320379	1226263	6601	6979	4,383.00	287	3245	122892
North West	Kaduna	166,496.00	23,274.00	143222	79831	125	6784	588.00	0.00	0	82102
North West	Kano	977,340.00	20,049.00	957291	890408	48115	58299	9,015.00	3,839.00	219	57500
North West	Katsina	862,858.00	25,382.00	837476	744620	1016	59911	0.00	4,385.00	0	56279
North West	Kebbi	853,901.00	50854	803047	744183	25112	33682	4,293.00	1316	0	99479
North West	Sokoto	1,138,706.00	13,517.00	1125189	1053004	81350	33694	2,869.00	3,224.00	0	48240
North West	Zamfara	585461	24705	560756	515804	11520	4059	0	0	0	68489
North West	Zone total	5,950,780.00	203,419.00	5,747,361.00	5254112	173840	203408	21,148.00	13,051.00	3,464.00	534981
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Enugu	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 6A: Millet/Maiwa, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.													
Zone	State	Total # of plots where crop is cultivated	Millet/Maiwa										
			Fertilizers used on crop										
			No	Yes	Type of organic fertilizers applied								No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other			
Number of plots where crop is cultivated													
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ogun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Oyo	43,024.00	35,339.00	7685	2357	199	696	0.00	0.00	0	39971		
South West	Zone total	48,579.00	39,309.00	9271	3256	199	736	0.00	0.00	0	44586		
Nigeria	Total	9,023,711.00	809,407.00	8,214,304.00	7102683	245577	389530	51,638.00	15,369.00	4,943.00	1610139		

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 6B: Millet/Maiwa, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Total # of plots where crop is cultivated	Millet/Maiwa											
			Fertilizers used on crop											
			No	Yes	Type of inorganic or chemical fertilizers applied									No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	
Number of plots where crop is cultivated														
North Central	Benue	46,403.00	27,440.00	18962	13231	0	0	0.00	0.00	0	7949	0	204	29,101.00
North Central	Fct	28472	6313	22159	14443	0	0	0	0	0	13377	123	0	10229
North Central	Kogi	15138	7494	7644	2271	0	0	0	0	0	4995	0	0	8846
North Central	Kwara	34489	15380	19108	6037	0	0	0	0	0	15233	0	0	15958
North Central	Nasarawa	95048	17072	77976	34964	125	202	227	0	0	17494	0	0	53109
North Central	Niger	254,333.00	66,529.00	187805	76644	532	0	424.00	0.00	0	118477	145	2815	104,222.00
North Central	Plateau	195,169.00	34,037.00	161132	93453	0	0	0.00	0.00	0	88701	112	2089	72,186.00
North Central	Zone total	669,051.00	174,265.00	494786	241044	656	202	652.00	0.00	0	266225	381	5108	293,651.00
North East	Adamawa	98,090.00	43,727.00	54362	26346	0	0	0.00	0.00	0	24245	0	278	62,338.00
North East	Bauchi	1,139,856.00	163,143.00	976713	569877	940	319	792.00	212.00	0	456920	353	657	429,328.00
North East	Borno	245,458.00	80310	165148	56614	469	0	0.00	0	559	63184	0	0	134,877.00
North East	Gombe	167636	7389	160246	105832	323	0	0	0	0	73317	0	0	42533
North East	Taraba	48502	19303	29199	20788	361	0	0	0	0	17371	0	0	24084
North East	Yobe	650081	76147	573934	100257	892	0	0	242	372	110060	497	2368	447659
North East	Zone total	2,349,623.00	390,021.00	1,959,602.00	879713	2987	319	792.00	454.00	931.00	745097	849	3303	1,140,819.00
North West	Jigawa	1,366,018.00	45639	1320379	541764	0	0	859.00	0	0	424506	714	3396	672,227.00
North West	Kaduna	166,496.00	23,274.00	143222	106553	0	0	0.00	173.00	0	89491	4382	0	30,629.00
North West	Kano	977,340.00	20,049.00	957291	689865	12477	1033	309.00	15,653.00	1148	505291	11526	271	134,128.00
North West	Katsina	862,858.00	25,382.00	837476	559446	0	1142	312.00	0.00	637	341328	3089	4064	207,297.00
North West	Kebbi	853,901.00	50854	803047	497983	2266	2859	828.00	2048	0	384231	2277	1935	212,454.00
North West	Sokoto	1,138,706.00	13,517.00	1125189	847294	154	0	0.00	179.00	307	630174	1103	0	189,001.00
North West	Zamfara	585461	24705	560756	308195	0	142	0	0	235	384711	0	67	131163
North West	Zone total	5,950,780.00	203,419.00	5,747,361.00	3551100	14897	5176	2,309.00	18,053.00	2,328.00	2759732	23091	9733	1,576,900.00
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Enugu	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 6B: Millet/Maiwa, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Millet/Maiwa													
		Total # of plots where crop is cultivated	Fertilizers used on crop												
			No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated															
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	43,024.00	35,339.00	7685	1888	0	0	0.00	0.00	0	5136	0	0	36,805.00	
South West	Zone total	48,579.00	39,309.00	9271	1888	0	0	0.00	0.00	0	6256	0	0	41,240.00	
Nigeria	Total	9,023,711.00	809,407.00	8,214,304.00	4673746	18540	5696	3,753.00	18,507.00	3,260.00	3777981	24321	18144	3,057,617.00	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 6C: Millet/Maiwa, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Millet/Maiwa															
Zone	State	Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?		
			No	Yes	Type of pesticides applied					No			Yes		
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other	
Number of plots where crop is cultivated															
North Central	Benue	46,403.00	18,897.00	27506	2488	307	24984	271.00	0.00	3208	2406	43997	46403	NA	
North Central	Fct	28472	9447	19024	6654	289	13517	3217	0	231	3835	24637	27651	821	
North Central	Kogi	15138	9305	5833	2149	435	3386	492	344	494	205	14933	15138	NA	
North Central	Kwara	34489	18212	16276	12729	1120	1969	141	0	737	NA	34489	34489	NA	
North Central	Nasarawa	95048	30186	64862	17887	11044	51396	698	0	3638	1735	93313	94874	174	
North Central	Niger	254,333.00	73,925.00	180408	64970	3848	129566	4,232.00	0.00	7031	36481	217852	254053	280.00	
North Central	Plateau	195,169.00	112,841.00	82328	27840	10204	44929	1,834.00	12,207.00	23037	2506	192663	194532	637.00	
North Central	Zone total	669,051.00	272,813.00	396238	134717	27247	269747	10,886.00	12,551.00	38375	47167	621884	667140	1,911.00	
North East	Adamawa	98,090.00	48,376.00	49714	14000	1764	40088	0.00	1,164.00	394	5535	92555	89093	8,997.00	
North East	Bauchi	1,139,856.00	714,092.00	425764	171492	17182	252457	8,413.00	0.00	23594	14730	1125126	1110711	29,145.00	
North East	Borno	245,458.00	169364	76094	47151	1519	24642	963.00	1781	5026	11292	234166	243959	1,499.00	
North East	Gombe	167636	78630	89006	33596	1435	67565	1206	265	741	1073	166563	164786	2850	
North East	Taraba	48502	23541	24961	12197	938	15963	0	182	2332	5561	42941	48294	208	
North East	Yobe	650081	497796	152286	52211	2558	77804	6557	570	24334	17534	632548	648889	1193	
North East	Zone total	2,349,623.00	1,531,798.00	817,825.00	330648	25395	478519	17,139.00	3,963.00	56,421.00	55724	2293898	2305732	43,891.00	
North West	Jigawa	1,366,018.00	1034129	331889	231327	40174	67165	5,591.00	801	1133	106391	1259627	1357730	8,288.00	
North West	Kaduna	166,496.00	53,719.00	112777	45872	6827	71985	5,948.00	2,596.00	8374	1133	165363	164408	2,089.00	
North West	Kano	977,340.00	431,451.00	545889	382689	74874	168245	19,080.00	9,273.00	48910	33820	943520	933815	43,525.00	
North West	Katsina	862,858.00	500,166.00	362692	247780	69966	37202	49,926.00	29,298.00	28180	25449	837410	862417	442.00	
North West	Kebbi	853,901.00	479054	374847	175289	68148	198341	20,526.00	9950	17629	18777	835124	749065	104,836.00	
North West	Sokoto	1,138,706.00	399,273.00	739433	609726	65738	104299	24,849.00	37,368.00	95309	21348	1117358	1084496	54,210.00	
North West	Zamfara	585461	280192	305268	103287	41012	217627	24887	1802	2613	4303	581158	582932	2529	
North West	Zone total	5,950,780.00	3,177,984.00	2,772,796.00	1795971	366739	864864	150,806.00	91,089.00	202,149.00	211220	5739560	5734862	215,918.00	
South East	Abia	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Anambra	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Ebonyi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Enugu	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Akwa Ibom	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Edo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ekiti	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 6C: Millet/Maiwa, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.																
Zone	State	Total # of plots where crop is cultivated	Millet/Maiwa										Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			Pesticide products used on crop		Type of pesticides applied						No	Yes				
			No	Yes	Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other						
			Number of plots where crop is cultivated													
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Oyo	43,024.00	17,659.00	25364	3464	1078	21311	0.00	1,525.00	1793	1194	41830	43024	NA		
South West	Zone total	48,579.00	22,279.00	26300	3955	1236	21658	0.00	1,740.00	1793	1234	47346	48539	40.00		
Nigeria	Total	9,023,711.00	5,008,089.00	4,015,622.00	2265549	420617	1636647	178,831.00	109,343.00	299,085.00	316088	8707623	8761950	261,761.00		

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 7A: Rice, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Total # of plots where crop is cultivated	Rice								
			Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated											
North Central	Benue	894,749.00	199,348.00	695401	106142	30271	3821	0.00	11,620.00	2760	744493
North Central	Fct	71353	18892	52461	22672	163	154	186	1141	0	47037
North Central	Kogi	145860	45684	100176	2980	20564	257	130	61	1740	120257
North Central	Kwara	78616	17489	61127	22103	1753	189	0	0	0	55294
North Central	Nasarawa	193442	49047	144394	52251	6095	15720	0	0	73	122732
North Central	Niger	456,814.00	88,090.00	368724	166613	9968	12136	0.00	0.00	78	270340
North Central	Plateau	379,150.00	29,761.00	349389	213176	2283	5957	3,966.00	0.00	0	158476
North Central	Zone total	2,219,984.00	448,311.00	1771673	585936	71098	38233	4,282.00	12,822.00	4651	1518629
North East	Adamawa	578,679.00	133,701.00	444978	133257	17400	2421	0.00	0.00	0	430912
North East	Bauchi	807,882.00	43,194.00	764688	466653	14674	14378	1,468.00	0.00	0	325694
North East	Borno	175,739.00	27780	147959	48343	1837	1064	1,182.00	0	0	124308
North East	Gombe	154798	9074	145725	69341	6036	3759	196	0	0	76629
North East	Taraba	409138	103195	305943	45351	9704	3275	152	7191	23283	331096
North East	Yobe	82593	15126	67467	33933	0	668	766	0	0	47502
North East	Zone total	2,208,830.00	332,070.00	1,876,760.00	796878	49650	25566	3,764.00	7,191.00	23,283.00	1336142
North West	Jigawa	516,247.00	9842	506405	320078	1540	1509	1,262.00	207	0	191650
North West	Kaduna	1,038,171.00	27,848.00	1010323	577507	8127	60947	6,724.00	9,771.00	1585	409418
North West	Kano	926,004.00	7,584.00	918421	742525	40693	79232	3,314.00	4,713.00	1577	162285
North West	Katsina	261,262.00	4,311.00	256950	221174	885	8408	0.00	0.00	0	33125
North West	Kebbi	513,178.00	15976	497202	366498	20606	5288	980.00	9917	0	134224
North West	Sokoto	282,901.00	1,715.00	281186	247611	15720	13916	890.00	1,757.00	0	19482
North West	Zamfara	257989	3916	254073	207771	5810	526	0	0	0	48779
North West	Zone total	3,795,753.00	71,191.00	3,724,562.00	2683164	93382	169827	13,171.00	26,365.00	3,162.00	998964
South East	Abia	11489	9092	2397	1035	0	0	0	0	0	10454
South East	Anambra	54,110.00	15067	39043	5538	0	841	0.00	0	0	48572
South East	Ebonyi	354332	32386	321945	66566	2160	6270	0	0	0	279875
South East	Enugu	74622	11026	63596	14823	0	710	0	506	0	58804
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South East	Zone total	494,553.00	67,572.00	426981	87962	2160	7821	0.00	506.00	0	397705
South South	Akwa Ibom	21,896.00	10,616.00	11280	11280	0	0	0.00	0.00	0	10616
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South South	Cross River	239820	68868	170952	9327	14330	3785	0	0	1898	211563
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)

Table 7A: Rice, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Total # of plots where crop is cultivated	Rice										
			Fertilizers used on crop										
			No	Yes	Type of organic fertilizers applied								No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other			
Number of plots where crop is cultivated													
South South	Edo	14029	9857	4172	1681	288	290	0	0	0	12347		
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)		
South South	Zone total	289,580.00	95,742.00	193838	24022	15492	4565	0.00	411.00	1898	245258		
South West	Ekiti	16136	11935	4201	0	543	0	0	0	0	15593		
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)		
South West	Ogun	5,643.00	3,170.00	2473	237	0	61	0.00	0.00	0	5345		
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)		
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)		
South West	Oyo	28,364.00	21,560.00	6804	1042	246	0	0.00	0.00	0	27076		
South West	Zone total	55,723.00	38,401.00	17322	3021	939	349	0.00	568.00	0	50996		
Nigeria	Total	9,064,422.00	1,053,288.00	8,011,135.00	4180982	232721	246361	21,217.00	47,863.00	32,994.00	4547694		

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 7B: Rice, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Rice															
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop												
			No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated															
North Central	Benue	894,749	199,348	695,401	446,890	10,260	11,935	1,149	0	409	323,745	1,957	6,371	227,732	
North Central	Fct	71,353	18,892	52,461	31,144	0	0	0	0	0	23,322	0	933	29,184	
North Central	Kogi	145,860	45,684	100,176	63,913	501	0	0	1,121	294	57,534	0	326	48,828	
North Central	Kwara	78,616	17,489	61,127	44,667	341	1,111	0	0	0	43,705	103	74	20,211	
North Central	Nasarawa	193,442	49,047	144,394	102,480	221	541	110	0	0	72,128	370	133	69,117	
North Central	Niger	456,814	88,090	368,724	258,621	0	0	1,155	385	941	185,829	637	4,839	119,516	
North Central	Plateau	379,150	29,761	349,389	278,360	93	1,488	0	0	0	227,811	752	1,149	52,918	
North Central	Zone total	2,219,984	448,311	1,771,673	1,226,074	11,416	15,074	2,414	1,506	1,644	934,074	3,819	13,825	567,505	
North East	Adamawa	578,679	133,701	444,978	364,725	333	124	0	0	337	239,161	353	374	169,165	
North East	Bauchi	807,882	43,194	764,688	664,139	0	0	0	0	191	408,496	225	0	69,500	
North East	Borno	175,739	27,780	147,959	87,335	461	450	1,136	0	631	79,735	1,692	615	37,187	
North East	Gombe	154,798	9,074	145,725	129,918	337	0	196	0	0	106,103	0	0	12,668	
North East	Taraba	409,138	103,195	305,943	249,416	1,046	1,065	0	208	0	197,115	477	5,731	116,262	
North East	Yobe	82,593	15,126	67,467	29,633	0	0	0	0	1,004	33,387	144	0	28,501	
North East	Zone total	2,208,830	332,070	1,876,760	1,525,165	2,177	1,639	1,331	208	2,164	1,063,999	2,891	6,721	433,283	
North West	Jigawa	516,247	9,842	506,405	445,287	0	0	442	249	0	339,483	979	0	46,031	
North West	Kaduna	1,038,171	27,848	1,010,323	897,178	1,346	998	1,761	1,805	1,302	756,348	23,088	926	44,941	
North West	Kano	926,004	7,584	918,421	758,053	15,214	472	1,029	18,024	277	592,632	9,840	996	50,181	
North West	Katsina	261,262	4,311	256,950	195,524	0	0	0	420	0	187,430	549	0	14,054	
North West	Kebbi	513,178	15,976	497,202	411,702	0	1,250	1,192	4,042	0	261,291	3,892	490	52,558	
North West	Sokoto	282,901	1,715	281,186	223,812	417	422	0	0	0	147,655	0	389	32,399	
North West	Zamfara	257,989	3,916	254,073	205,594	0	0	0	0	0	171,185	139	0	16,152	
North West	Zone total	3,795,753	71,191	3,724,562	3,137,150	16,976	3,141	4,424	24,541	1,580	2,456,024	38,487	2,801	256,315	
South East	Abia	11,489	9,092	2,397	0	0	0	0	532	0	489	682	0	10,127	
South East	Anambra	54,110	15,067	39,043	15,335	1,464	0	179	0	0	34,980	0	0	17,487	
South East	Ebonyi	354,332	32,386	321,945	220,549	0	0	0	1,243	0	193,347	169	1,816	41,461	
South East	Enugu	74,622	11,026	63,596	39,303	263	0	0	0	0	40,945	0	0	21,680	
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Zone total	494,553	67,572	426,981	275,188	1,727	0	179	1,775	0	269,762	851	1,816	90,754	
South South	Akwa Ibom	21,896	10,616	11,280	0	0	0	0	0	0	1,797	0	0	20,099	
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Cross River	239,820	68,868	170,952	122,151	974	0	0	0	0	101,772	608	636	69,317	
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Edo	14,029	9,857	4,172	2,829	0	0	0	0	0	2,037	0	0	10,168	
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Zone total	289,580	95,742	193,838	129,077	974	0	0	0	0	110,144	608	1,042	106,311	
South West	Ekiti	16,136	11,935	4,201	28	28	306	0	0	0	2,989	0	306	12,479	
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ogun	5,643	3,170	2,473	838	0	0	0	0	0	2,111	0	0	3,407	
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	

Table 7B: Rice, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

		Rice													
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop											No inorganic/chemical fertilizer applied	
			No	Yes	Type of inorganic or chemical fertilizers applied										
					Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated															
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Oyo	28,364	21,560	6,804	4,025	0	0	0	0	0	0	4,135	0	0	21,705
South West	Zone total	55,723	38,401	17,322	7,041	132	306	0	0	0	0	10,405	0	306	40,184
Nigeria	Total	9,064,422	1,053,288	8,011,135	6,299,694	33,402	20,161	8,348	28,031	5,387	4,844,407	46,656	26,511	1,494,352	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 7C: Rice, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Total # of plots where crop is cultivated	Rice											Did the household irrigate this crop during the reference period?	
			Pesticide products used on crop								Reporting no harvest	Reporting harvest			
			No	Yes	Type of pesticides applied										
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other	No	Yes			
Number of plots where crop is cultivated															
North Central	Benue	894,749	203,323	691,426	100,134	29,728	616,059	3,436	1,025	31,241	77,726	817,024	894,465	284	
North Central	Fct	71,353	17,995	53,358	15,472	874	44,434	572	2,717	2,006	2,484	68,869	66,290	5,063	
North Central	Kogi	145,860	47,073	98,787	19,104	1,230	59,349	4,379	5,115	29,993	10,843	135,017	142,459	3,401	
North Central	Kwara	78,616	19,068	59,548	25,370	5,321	33,124	957	3,618	2,150	5,985	72,631	71,396	7,220	
North Central	Nasarawa	193,442	44,271	149,170	54,422	14,863	121,036	2,977	3,059	11,320	9,630	183,812	186,056	7,386	
North Central	Niger	456,814	150,897	305,917	98,335	6,505	241,083	4,830	2,663	8,873	15,077	441,737	447,699	9,115	
North Central	Plateau	379,150	107,296	271,854	103,855	14,032	159,676	1,564	39,907	46,031	7,263	371,887	372,686	6,464	
North Central	Zone total	2,219,984	589,924	1,630,060	416,693	72,553	1,274,761	18,717	58,105	131,614	129,007	2,090,977	2,181,052	38,932	
North East	Adamawa	578,679	194,427	384,252	106,219	26,512	313,986	1,253	4,043	1,864	42,365	536,314	533,091	45,587	
North East	Bauchi	807,882	214,100	593,783	158,808	18,793	438,471	25,690	610	15,992	27,194	780,688	762,326	45,557	
North East	Borno	175,739	46,595	129,144	59,150	1,899	67,515	11,499	377	2,401	8,742	166,997	172,453	3,286	
North East	Gombe	154,798	19,389	135,409	52,651	3,260	103,894	4,982	654	487	610	154,188	150,482	4,317	
North East	Taraba	409,138	78,271	330,868	75,403	24,175	269,729	1,582	349	25,918	81,615	327,524	403,365	5,773	
North East	Yobe	82,593	31,799	50,794	22,227	2,026	37,327	300	0	5,737	12,577	70,017	74,780	7,814	
North East	Zone total	2,208,830	584,581	1,624,249	474,458	76,665	1,230,921	45,307	6,032	52,399	173,103	2,035,727	2,096,496	112,334	
North West	Jigawa	516,247	177,962	338,285	195,084	52,342	151,042	5,243	181	2,284	155,054	361,193	450,829	65,418	
North West	Kaduna	1,038,171	89,863	948,308	455,523	59,738	619,453	25,379	41,867	82,883	10,856	1,027,315	982,410	55,761	
North West	Kano	926,004	192,225	733,779	527,637	124,569	275,942	21,960	13,090	82,356	28,465	897,540	844,535	81,470	
North West	Katsina	261,262	32,216	229,045	128,285	13,533	137,440	1,918	2,171	5,869	2,284	258,977	260,006	1,256	
North West	Kebbi	513,178	140,306	372,872	179,037	61,784	208,042	39,855	9,572	12,137	39,507	473,671	427,181	85,997	
North West	Sokoto	282,901	65,043	217,858	142,363	29,331	23,203	5,274	8,354	61,112	9,355	273,546	236,795	46,106	
North West	Zamfara	257,989	52,869	205,120	100,552	12,114	131,397	13,772	289	3,142	1,276	256,713	249,119	8,870	
North West	Zone total	3,795,753	750,484	3,045,269	1,728,481	353,411	1,546,519	113,400	75,523	249,784	246,797	3,548,956	3,450,874	344,879	
South East	Abia	11,489	10,021	1,468	0	0	1,468	0	0	0	447	11,042	11,060	430	
South East	Anambra	54,110	11,485	42,625	409	298	36,793	0	0	5,534	10,345	43,765	45,452	8,658	
South East	Ebonyi	354,332	84,107	270,225	33,974	7,160	248,019	4,073	448	3,289	6,628	347,704	354,332	NA	
South East	Enugu	74,622	16,609	58,013	26,228	716	48,280	0	0	3,317	235	74,387	74,186	436	
South East	Imo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South East	Zone total	494,553	122,222	372,331	60,611	8,173	334,560	4,073	448	12,140	17,655	476,898	485,029	9,524	

Table 7C: Rice, by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.															
Zone	State	Total # of plots where crop is cultivated	Rice											Did the household irrigate this crop during the reference period?	
			Pesticide products used on crop								Reporting no harvest	Reporting harvest			
			No	Yes	Type of pesticides applied										
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other	No	Yes			
Number of plots where crop is cultivated															
South South	Akwa Ibom	21,896	21,896	NA	0	0	0	0	0	0	NA	21,896	20,324	1,572	
South South	Bayelsa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Cross River	239,820	37,941	201,879	14,159	5,559	184,127	3,501	496	13,685	4,218	235,603	237,199	2,621	
South South	Delta	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Edo	14,029	11,616	2,412	795	0	1,367	0	386	81	3,433	10,596	14,029	NA	
South South	Rivers	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South South	Zone total	289,580	77,317	212,263	19,478	6,004	187,334	3,501	2,101	15,672	13,063	276,516	285,371	4,209	
South West	Ekiti	16,136	3,173	12,963	2,163	254	11,235	269	0	1,568	324	15,812	16,108	28	
South West	Lagos	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Ogun	5,643	1,790	3,853	1,974	0	1,860	0	988	200	237	5,407	5,092	552	
South West	Ondo	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Osun	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	
South West	Oyo	28,364	8,232	20,132	10,251	734	16,946	578	634	1,241	1,512	26,852	26,230	2,134	
South West	Zone total	55,723	14,954	40,768	16,644	1,230	31,262	1,991	1,727	3,343	2,130	53,593	51,461	4,262	
Nigeria	Total	9,064,422	2,139,482	6,924,940	2,716,364	518,036	4,605,358	186,988	143,935	464,951	581,755	8,482,667	8,550,283	514,139	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 8A: Whiteyam by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Whiteyam									
		Total # of plots where crop is cultivated	Fertilizers used on crop								
			No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated											
North Central	Benue	1,587,835	298,754	1,289,081	217,006	33,622	13,904	0	10,200	0	1,315,588
North Central	Fct	96,468	32,481	63,987	40,016	0	139	0	0	0	56,453
North Central	Kogi	316,531	205,937	110,594	26,085	32,876	1,323	0	0	0	268,167
North Central	Kwara	219,583	132,820	86,763	61,796	1,667	1,533	5,330	1,365	0	155,971
North Central	Nasarawa	192,280	40,400	151,880	80,658	2,548	20,360	0	0	184	97,702
North Central	Niger	277,838	52,917	224,922	129,546	1,557	21,748	0	0	0	126,064
North Central	Plateau	292,964	29,068	263,897	194,595	260	3,801	791	158	112	94,964
North Central	Zone total	2,983,501	792,376	2,191,125	749,702	72,529	62,808	6,121	11,722	296	2,114,909
North East	Adamawa	25,678	11,986	13,692	2,410	0	0	0	0	0	23,268
North East	Bauchi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Borno	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Gombe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Taraba	180,174	99,229	80,945	21,302	886	277	0	335	0	157,889
North East	Yobe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone total	208,861	111,215	97,646	24,477	886	2,231	0	335	0	181,448
North West	Jigawa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Kaduna	103,177	43,455	59,721	35,313	564	2,717	1,784	192	0	65,774
North West	Kano	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Katsina	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Kebbi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Sokoto	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zamfara	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zone total	107,726	44,380	63,346	38,010	564	2,717	1,784	192	0	67,626
South East	Abia	461,913	149,768	312,145	253,029	893	27,085	0	0	0	188,103
South East	Anambra	536,131	74,378	461,753	307,861	1,285	150,200	267	0	26,671	149,988
South East	Ebonyi	787,855	406,195	381,659	275,940	1,124	43,222	0	0	263	489,788
South East	Enugu	311,662	126,075	185,587	124,189	11,615	27,568	298	0	0	162,199
South East	Imo	399,623	105,537	294,087	227,126	1,450	44,145	0	1,048	0	145,845
South East	Zone total	2,497,184	861,953	1,635,231	1,188,145	16,367	292,220	565	1,048	26,934	1,135,923
South South	Akwa Ibom	253,021	118,064	134,957	88,989	2,049	46,920	0	0	2,118	131,429
South South	Bayelsa	26,589	24,987	1,602	548	0	0	0	0	617	25,424
South South	Cross River	459,850	299,049	160,801	13,241	3,082	7,036	0	614	262	436,976
South South	Delta	302,742	237,492	65,249	30,978	358	1,074	0	0	0	271,405

Table 8A: Whiteyam by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Whiteyam												
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop									
			No	Yes	Type of organic fertilizers applied							No organic fertilizer applied
					Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other		
			Number of plots where crop is cultivated									
South South	Edo	145,262	116,246	29,017	18,928	3,566	460	267	444	0	124,520	
South South	Rivers	190,141	84,172	105,969	71,500	862	27,370	110	124	0	109,371	
South South	Zone total	1,377,605	880,010	497,596	224,183	9,917	82,860	377	1,182	2,998	1,099,125	
South West	Ekiti	240,247	229,422	10,824	2,487	324	0	0	0	0	237,436	
South West	Lagos	20,280	7,431	12,849	9,733	58	266	0	0	0	10,452	
South West	Ogun	72,010	61,501	10,509	5,754	0	145	0	0	0	66,111	
South West	Ondo	268,935	229,369	39,566	17,508	2,621	8,174	0	0	0	242,656	
South West	Osun	224,616	152,888	71,728	34,732	5,630	2,403	307	2,184	0	185,933	
South West	Oyo	268,275	194,868	73,406	25,916	9,382	2,277	0	0	0	230,699	
South West	Zone total	1,094,362	875,479	218,882	96,130	18,014	13,265	307	2,184	0	973,286	
Nigeria	Total	8,269,239	3,565,414	4,703,824	2,320,647	118,278	456,100	9,154	16,663	30,227	5,572,318	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 8B: Whiteyam by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

		Whiteyam											
Zone	State	Total # of plots where crop is cultivated	Fertilizers used on crop										No inorganic/chemical fertilizer applied
			No	Type of inorganic or chemical fertilizers applied									
				Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	
Number of plots where crop is cultivated													
North Central	Benue	1,587,835	298,754	973,587	1,913	3,124	1,631	0	0	574,255	1,088	2,137	330,853
North Central	Fct	96,468	32,481	32,780	0	0	714	0	429	18,210	0	0	58,259
North Central	Kogi	316,531	205,937	43,197	0	0	0	623	208	48,512	0	420	233,092
North Central	Kwara	219,583	132,820	41,636	5,230	0	1,615	0	2,929	49,418	2,209	345	141,027
North Central	Nasarawa	192,280	40,400	91,317	288	1,068	25	0	0	64,244	0	0	75,144
North Central	Niger	277,838	52,917	112,775	0	0	0	0	0	135,694	0	0	96,931
North Central	Plateau	292,964	29,068	177,518	0	1,012	0	0	131	147,548	260	284	88,937
North Central	Zone total	2,983,501	792,376	1,472,812	7,430	5,204	3,985	623	3,696	1,037,881	3,557	3,187	1,024,243
North East	Adamawa	25,678	11,986	5,542	0	6,470	0	0	0	5,418	0	0	12,906
North East	Bauchi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Borno	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Gombe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Taraba	180,174	99,229	52,433	0	713	92	0	0	42,510	138	0	117,099
North East	Yobe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone total	208,861	111,215	58,609	0	7,182	92	0	0	50,360	138	0	130,184
North West	Jigawa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Kaduna	103,177	43,455	25,371	0	4,101	0	0	0	35,954	0	0	55,119
North West	Kano	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Katsina	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Kebbi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Sokoto	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zamfara	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zone total	107,726	44,380	27,784	0	4,826	0	0	0	37,684	0	0	56,328
South East	Abia	461,913	149,768	67,892	513	0	0	0	0	141,456	0	2,253	276,601
South East	Anambra	536,131	74,378	46,061	1,503	0	0	703	0	179,011	0	2,217	320,026
South East	Ebonyi	787,855	406,195	139,474	0	0	0	6,798	0	173,589	0	6,442	502,291
South East	Enugu	311,662	126,075	21,830	4,400	0	0	0	0	81,002	249	0	215,541
South East	Imo	399,623	105,537	15,544	0	0	0	217	872	128,535	499	555	261,451
South East	Zone total	2,497,184	861,953	290,802	6,416	0	0	7,719	872	703,593	748	11,468	1,575,910
South South	Akwa Ibom	253,021	118,064	6,763	0	0	0	674	449	32,008	0	0	213,897
South South	Bayelsa	26,589	24,987	437	0	0	0	0	0	324	0	617	25,363
South South	Cross River	459,850	299,049	38,666	974	861	513	513	513	137,973	0	0	307,389
South South	Delta	302,742	237,492	29,813	1,391	4,567	71	683	0	15,079	0	351	255,462
South South	Edo	145,262	116,246	11,166	174	476	1,439	340	699	7,678	0	0	125,644
South South	Rivers	190,141	84,172	42,343	293	0	0	982	0	57,053	0	675	114,996
South South	Zone total	1,377,605	880,010	129,187	2,831	5,904	2,023	3,192	1,662	250,115	0	1,643	1,042,750
South West	Ekiti	240,247	229,422	181	668	0	0	451	0	7,779	0	0	231,348
South West	Lagos	20,280	7,431	546	0	0	0	0	0	3,005	0	0	16,771
South West	Ogun	72,010	61,501	2,887	293	0	0	0	0	4,519	0	0	66,097
South West	Ondo	268,935	229,369	3,853	0	120	967	0	0	13,746	0	319	251,136
South West	Osun	224,616	152,888	34,524	95	0	0	500	0	30,779	2,025	0	163,903

Table 8B: Whiteyam by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023.

Zone	State	Whiteyam											
		Total # of plots where crop is cultivated	Fertilizers used on crop										
			Type of inorganic or chemical fertilizers applied										
			No	Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	No inorganic/chemical fertilizer applied
Number of plots where crop is cultivated													
South West	Oyo	268,275	194,868	20,177	1,014	480	656	866	0	34,389	0	0	216,115
South West	Zone total	1,094,362	875,479	62,168	2,071	600	1,623	1,818	0	94,217	2,025	319	945,370
Nigeria	Total	8,269,239	3,565,414	2,041,361	18,749	23,716	7,723	13,352	6,230	2,173,850	6,468	16,617	4,774,785

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 8C: Whiteyam by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.

Zone	State	Total # of plots where crop is cultivated	Whiteyam											
			Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
Number of plots where crop is cultivated														
North Central	Benue	1,587,835	436,875	1,150,960	132,411	70,392	975,705	3,143	10,432	61,273	93,381	1,494,454	1,587,835	NA
North Central	Fct	96,468	29,488	66,980	18,404	1,613	56,985	60	1,524	0	4,275	92,193	94,544	1,924
North Central	Kogi	316,531	253,561	62,971	7,476	3,190	40,387	1,440	8,290	8,735	27,346	289,185	316,531	NA
North Central	Kwara	219,583	71,342	148,241	27,921	37,497	52,171	761	27,689	48,131	15,630	203,954	216,265	3,319
North Central	Nasarawa	192,280	53,676	138,604	49,451	10,244	123,250	792	6,146	2,598	1,742	190,538	192,135	146
North Central	Niger	277,838	80,225	197,613	34,189	9,220	175,294	1,247	2,849	2,187	5,452	272,387	277,623	215
North Central	Plateau	292,964	150,860	142,105	36,872	11,322	91,730	2,036	16,430	10,988	5,945	287,020	292,839	126
North Central	Zone total	2,983,501	1,076,027	1,907,474	306,725	143,478	1,515,523	9,480	73,361	133,912	153,769	2,829,731	2,977,771	5,729
North East	Adamawa	25,678	14,691	10,987	0	1,000	9,112	0	697	655	NA	25,678	25,678	NA
North East	Bauchi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Borno	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Gombe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Taraba	180,174	122,726	57,448	7,978	242	51,235	626	878	361	12,619	167,555	180,174	NA
North East	Yobe	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North East	Zone total	208,861	137,968	70,893	10,119	1,242	60,401	626	1,575	1,279	12,619	196,242	208,861	NA
North West	Jigawa	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Kaduna	103,177	51,127	52,049	14,450	5,058	38,710	1,754	1,355	2,348	3,274	99,902	102,990	187
North West	Kano	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Katsina	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Kebbi	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Sokoto	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zamfara	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
North West	Zone total	107,726	52,742	54,985	15,752	5,472	40,108	2,144	1,355	2,527	4,289	103,437	106,808	918
South East	Abia	461,913	384,734	77,179	70,521	2,318	6,755	424	1,722	1,536	9,536	452,377	461,105	808
South East	Anambra	536,131	426,736	109,396	19,966	6,599	77,271	3,200	2,862	11,223	30,660	505,471	531,688	4,443
South East	Ebonyi	787,855	587,834	200,021	6,991	5,687	184,906	1,328	546	5,899	23,155	764,699	787,490	365
South East	Enugu	311,662	237,240	74,422	7,570	0	41,829	0	25,352	2,034	34,462	277,200	311,397	265
South East	Imo	399,623	376,821	22,802	11,554	1,994	4,726	0	3,247	1,281	12,885	386,738	399,623	NA
South East	Zone total	2,497,184	2,013,365	483,819	116,602	16,598	315,486	4,953	33,729	21,974	110,699	2,386,485	2,491,302	5,882

Table 8C: Whiteyam by Zone/State name: use of fertilizers, pesticides, irrigation, major season, Agricultural Year 2022/2023. Contd.														
Zone	State	Total # of plots where crop is cultivated	Whiteyam											
			Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
			No	Yes	Type of pesticides applied					No			Yes	
					Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
Number of plots where crop is cultivated														
South South	Akwa Ibom	253,021	223,789	29,232	23,003	0	1,637	1,142	359	9,966	5,933	247,088	252,248	774
South South	Bayelsa	26,589	14,956	11,633	2,646	63	7,914	57	0	2,265	9,502	17,087	26,071	518
South South	Cross River	459,850	260,541	199,309	14,360	3,574	170,669	3,546	851	15,986	20,466	439,384	459,563	287
South South	Delta	302,742	176,418	126,323	13,508	2,164	109,129	696	13,604	2,189	29,725	273,017	302,742	NA
South South	Edo	145,262	105,405	39,857	7,001	1,120	27,872	0	5,633	2,192	20,019	125,244	145,148	114
South South	Rivers	190,141	144,524	45,617	12,753	2,874	17,474	3,192	4,090	15,500	9,754	180,387	186,496	3,646
South South	Zone total	1,377,605	925,633	451,972	73,273	9,794	334,695	8,633	24,538	48,098	95,398	1,282,207	1,372,267	5,338
South West	Ekiti	240,247	145,924	94,323	2,888	6,331	83,978	676	1,654	10,282	133,644	106,603	240,247	NA
South West	Lagos	20,280	14,745	5,534	2,479	1,420	1,158	0	81	559	1,947	18,333	15,672	4,607
South West	Ogun	72,010	58,504	13,506	6,533	328	6,447	356	1,691	0	7,438	64,572	71,828	182
South West	Ondo	268,935	212,007	56,928	13,569	6,484	40,740	6,386	11,849	331	47,957	220,978	268,772	163
South West	Osun	224,616	111,013	113,603	59,776	10,142	47,719	5,405	16,876	7,547	55,079	169,537	223,194	1,422
South West	Oyo	268,275	100,795	167,479	60,276	10,990	143,456	5,465	8,301	2,937	38,861	229,414	265,835	2,439
South West	Zone total	1,094,362	642,989	451,373	145,520	35,695	323,498	18,288	40,451	21,656	284,925	809,436	1,085,548	8,814
Nigeria	Total	8,269,239	4,848,722	3,420,516	667,992	212,279	2,589,711	44,124	175,008	229,445	661,700	7,607,538	8,242,558	26,681

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 9A: Main crops (top 37): use of fertilizers, pesticides, irrigation, national level, major season for temporary crops and entire agricultural year for permanent crops, Agricultural Year 2022/2023.

Crop	NIGERIA											
	Total # of plots where crop is cultivated	Fertilizers used on crop										
		No	Yes	Type of organic fertilizers applied								No organic fertilizer applied
				Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other			
Number of plots where crop is cultivated												
BEANS/COWPEA	10,727,130	2,839,064	7,888,066	6,279,218	275,562	463,342	49,997	21,027	7,974	3,980,462		
CASSAVA	18,835,304	10,688,375	8,146,929	4,874,162	235,995	1,314,806	19,057	30,419	46,743	12,978,208		
COCOYAM	3,089,385	1,387,721	1,701,664	1,182,476	26,275	324,374	2,319	2,139	31,959	1,685,004		
GROUNDNUT/PEANUTS	7,052,249	2,304,668	4,747,581	3,494,529	121,475	255,401	18,497	20,782	8,089	3,318,286		
GUINEA CORN/SORGHUM	11,983,150	1,747,007	10,236,143	8,057,140	198,412	546,299	56,388	20,376	7,607	3,474,334		
MAIZE	22,432,381	5,746,487	16,685,894	10,928,563	419,448	1,321,355	70,929	75,498	82,879	10,394,021		
MELON/EGUSI	1,684,205	916,571	767,635	492,832	15,772	141,626	807	6,404	0	1,083,999		
MILLET/MAIWA	9,023,711	809,407	8,214,304	7,102,683	245,577	389,530	51,638	15,369	4,943	1,610,139		
RICE	9,064,422	1,053,288	8,011,135	4,180,982	232,721	246,361	21,217	47,863	32,994	4,547,694		
WHITEYAM	8,269,239	3,565,414	4,703,824	2,320,647	118,278	456,100	9,154	16,663	30,227	5,572,318		
YELLOWYAM	330,678	184,755	145,923	76,201	4,427	12,549	330	0	0	243,566		
WATERYAM	1,245,364	613,482	631,882	266,785	12,660	65,220	1,296	6,409	541	928,518		
THREELEAVEYAM	453,881	172,347	281,534	209,071	2,448	52,562	3,840	1,059	390	220,617		
BANANA	1,473,658	1,070,422	403,236	286,695	10,463	91,209	480	6,016	0	1,116,846		
BEENI- SEED/SESAME	1,392,958	354,215	1,038,743	799,051	15,122	40,936	4,066	3,192	4,006	553,891		
CUCUMBER	363,171	110,232	252,939	189,558	4,066	48,849	646	0	1,226	148,553		
OKRO	2,803,004	1,364,374	1,438,630	1,035,976	34,028	220,725	922	5,247	6,553	1,627,395		
ONION	483,391	42,852	440,539	350,897	39,102	64,681	4,151	26,812	404	94,194		
SWEET/BELLPEPPER(TATASHE)	145,322	44,159	101,163	57,593	7,109	10,551	1,105	1,416	452	72,498		
SMALLPEPPER(RODO)	1,950,513	940,406	1,010,107	680,708	44,947	96,520	5,781	5,922	5,052	1,178,305		
PINEAPPLE	368,176	255,132	113,044	70,770	2,139	29,660	118	718	342	271,605		
PLANTAIN	2,752,233	1,983,454	768,779	508,092	14,426	244,338	3,154	3,107	1,087	2,049,708		
IRISH POTATO	332,660	9,620	323,039	254,232	2,257	14,798	10,311	629	406	68,831		
SWEET POTATO	1,489,512	651,570	837,942	609,827	15,506	50,627	3,642	3,666	1,820	838,690		
PUMPKIN ⁽⁴⁾	2,771,501	977,912	1,793,589	1,363,790	12,742	385,553	3,666	2,812	14,792	1,182,720		
GREEN VEGETABLE	1,048,786	440,113	608,673	430,333	16,381	86,625	1,339	2,127	2,057	547,770		
SOYA BEANS	3,585,113	1,190,453	2,394,661	1,587,263	50,102	151,325	12,098	16,313	2,119	1,852,459		
SUGARCANE	233,472	73,490	159,983	121,266	3,452	11,678	657	663	404	101,222		
TOMATO	1,331,659	568,387	763,272	502,156	39,057	57,091	5,929	6,904	2,771	763,118		
CASHEW	616,648	572,575	44,073	23,313	6,625	992	0	614	0	586,274		
CHILLIPEPPER(SHOMBO)	442,752	172,812	269,940	172,987	10,322	18,661	2,454	3,429	331	246,006		
COCOA	1,324,613	1,157,277	167,335	55,945	13,414	8,293	307	7,541	1,688	1,249,741		
COCONUT	274,071	224,045	50,026	33,024	0	11,553	0	0	0	233,819		
MANGO	466,222	390,985	75,237	57,299	4,142	3,534	1,369	917	299	401,609		
ORANGE	866,878	740,517	126,360	78,309	6,099	8,265	0	1,304	0	776,002		
OILPALMTREE	2,002,626	1,685,870	316,756	139,565	6,390	55,933	606	1,983	346	1,814,810		
PAWPAW	322,007	259,824	62,183	49,358	1,837	9,115	0	388	0	265,027		

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 9B: Main crops (top 37): use of fertilizers, pesticides, irrigation, national level, major season for temporary crops and entire agricultural year for permanent crops, Agricultural Year 2022/2023.														
Crop	NIGERIA													
	Total # of plots where crop is cultivated	Fertilizers used on crop												
		No	Yes	Type of inorganic or chemical fertilizers applied										No inorganic/chemical fertilizer applied
				Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other		
Number of plots where crop is cultivated														
BEANS/COWPEA	10,727,130	2,839,064	7,888,066	3,829,567	18,233	33,110	12,020	16,427	5,360	3,166,441	25,080	16,419	5,543,831	
CASSAVA	18,835,304	10,688,375	8,146,929	2,223,017	32,007	17,879	16,215	32,045	14,402	3,661,755	10,603	30,055	13,673,781	
COCOYAM	3,089,385	1,387,721	1,701,664	270,161	3,979	2,257	2,536	7,959	651	617,296	1,184	5,482	2,271,488	
GROUNDNUT/PEANUTS	7,052,249	2,304,668	4,747,581	2,307,790	18,176	52,477	6,644	8,100	4,421	1,928,513	15,721	21,465	3,746,927	
GUINEA CORN/SORGHUM	11,983,150	1,747,007	10,236,143	6,043,119	25,587	17,494	5,825	20,275	4,995	5,211,328	42,449	27,731	4,170,359	
MAIZE	22,432,381	5,746,487	16,685,894	9,667,565	56,604	36,694	20,429	69,510	15,297	10,244,208	128,091	73,581	8,578,737	
MELON/EGUSI	1,684,205	916,571	767,635	220,544	1,100	2,418	1,124	3,370	770	304,843	1,011	3,316	1,253,172	
MILLET/MAIWA	9,023,711	809,407	8,214,304	4,673,746	18,540	5,696	3,753	18,507	3,260	3,777,981	24,321	18,144	3,057,617	
RICE	9,064,422	1,053,288	8,011,135	6,299,694	33,402	20,161	8,348	28,031	5,387	4,844,407	46,656	26,511	1,494,352	
WHITEYAM	8,269,239	3,565,414	4,703,824	2,041,361	18,749	23,716	7,723	13,352	6,230	2,173,850	6,468	16,617	4,774,785	
YELLOWYAM	330,678	184,755	145,923	39,495	994	0	0	796	0	72,824	0	284	226,182	
WATERYAM	1,245,364	613,482	631,882	293,186	3,847	852	1,613	2,386	0	318,010	0	2,703	762,900	
THREELEAVEYAM	453,881	172,347	281,534	77,142	696	58	0	491	360	135,856	0	4,255	279,562	
BANANA	1,473,658	1,070,422	403,236	73,937	342	903	1,044	7,808	1,209	77,537	582	1,009	1,336,683	
BEENI- SEED/SESAME	1,392,958	354,215	1,038,743	436,427	640	5,058	1,124	1,255	662	334,062	963	4,007	805,954	
CUCUMBER	363,171	110,232	252,939	55,426	319	0	1,887	1,256	167	99,833	0	1,115	230,612	
OKRO	2,803,004	1,364,374	1,438,630	381,787	2,767	2,647	1,081	6,601	1,155	513,670	2,561	5,571	2,042,755	
ONION	483,391	42,852	440,539	270,236	1,653	1,304	876	3,159	33	234,406	6,341	976	120,835	
SWEET/BELLPEPPER(TATASHE)	145,322	44,159	101,163	38,348	330	1,586	488	265	0	48,920	735	1,751	71,807	
SMALLPEPPER(RODO)	1,950,513	940,406	1,010,107	397,461	4,324	4,845	3,518	6,592	639	410,830	4,372	4,288	1,286,273	
PINEAPPLE	368,176	255,132	113,044	15,782	0	0	501	435	0	21,970	0	0	331,634	
PLANTAIN	2,752,233	1,983,454	768,779	102,443	1,615	2,550	1,212	8,769	220	118,242	561	2,386	2,535,792	
IRISH POTATO	332,660	9,620	323,039	241,757	330	4,728	0	2,683	0	261,565	1,417	8,063	28,079	
SWEET POTATO	1,489,512	651,570	837,942	379,514	3,849	3,710	405	6,343	2,171	359,592	2,317	3,691	903,727	
PUMPKIN (4)	2,771,501	977,912	1,793,589	267,667	1,449	1,127	1,916	6,034	1,215	650,458	0	7,280	1,955,799	
GREEN VEGETABLE	1,048,786	440,113	608,673	127,685	2,827	0	1,243	1,618	0	211,127	605	2,888	739,479	
SOYA BEANS	3,585,113	1,190,453	2,394,661	1,376,846	9,998	80,134	1,205	8,022	1,440	1,333,006	14,121	12,240	1,603,988	
SUGARCANE	233,472	73,490	159,983	104,045	399	825	0	156	0	84,270	1,818	0	109,347	
TOMATO	1,331,659	568,387	763,272	350,672	6,313	5,927	1,533	3,302	1,029	355,350	5,100	4,353	762,024	
CASHEW	616,648	572,575	44,073	13,530	0	0	0	614	0	17,264	0	373	589,138	
CHILLIPEPPER(SHOMBO)	442,752	172,812	269,940	133,445	1,323	1,843	1,473	2,016	933	124,674	3,299	1,375	240,130	
COCOA	1,324,613	1,157,277	167,335	59,092	3,049	4,602	5,562	8,362	3,057	94,528	2,592	3,288	1,179,136	
COCONUT	274,071	224,045	50,026	5,734	0	0	0	790	0	12,790	68	0	255,223	
MANGO	466,222	390,985	75,237	29,673	290	0	0	533	0	25,298	141	217	418,920	
ORANGE	866,878	740,517	126,360	55,505	285	218	578	1,550	0	39,151	0	571	783,757	
OILPALMTREE	2,002,626	1,685,870	316,756	70,957	2,106	3,671	0	3,459	411	146,826	3,299	154	1,786,537	
PAWPAW	322,007	259,824	62,183	12,850	351	0	0	517	0	12,104	72	0	299,451	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 16.9: Main crops (top 37): use of fertilizers, pesticides, irrigation, national level, major season for temporary crops and entire agricultural year for permanent crops, Agricultural Year 2022/2023.

NIGERIA													
Crop	Total # of plots where crop is cultivated	Pesticide products used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
		No	Yes	Type of pesticides applied								No	Yes
				Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other				
		Number of plots where crop is cultivated											
BEANS/COWPEA	10,727,130	2,837,769	7,889,361	5,450,164	454,231	3,196,855	354,102	166,618	702,291	492,765	10,234,365	10,518,674	208,456
CASSAVA	18,835,304	13,438,825	5,396,479	1,185,832	349,117	3,812,361	170,454	227,608	347,442	9,263,446	9,571,857	18,723,068	112,235
COCOYAM	3,089,385	2,404,117	685,268	176,250	36,202	417,336	17,249	58,455	56,518	363,738	2,725,647	3,071,315	18,070
GROUNDNUT/PEANUTS	7,052,249	3,217,831	3,834,418	1,629,448	273,650	2,139,450	130,315	105,519	288,393	194,348	6,857,901	6,964,986	87,263
GUINEA CORN/SORGHUM	11,983,150	5,894,190	6,088,959	2,629,458	546,937	3,442,768	192,600	120,010	320,130	491,850	11,491,300	11,769,189	213,961
MAIZE	22,432,381	10,279,188	12,153,193	4,967,813	952,013	7,541,935	347,254	395,455	918,600	562,143	21,870,238	22,014,271	418,111
MELON/EGUSI	1,684,205	1,239,637	444,568	183,490	16,058	293,552	15,086	11,232	26,735	61,482	1,622,723	1,675,993	8,212
MILLET/MAIWA	9,023,711	5,008,089	4,015,622	2,265,549	420,617	1,636,647	178,831	109,343	299,085	316,088	8,707,623	8,761,950	261,761
RICE	9,064,422	2,139,482	6,924,940	2,716,364	518,036	4,605,358	186,988	143,935	464,951	581,755	8,482,667	8,550,283	514,139
WHITEYAM	8,269,239	4,848,722	3,420,516	667,992	212,279	2,589,711	44,124	175,008	229,445	661,700	7,607,538	8,242,558	26,681
YELLOWYAM	330,678	244,277	86,401	20,801	5,037	62,301	3,720	2,545	4,451	28,472	302,206	329,339	1,339
WATERYAM	1,245,364	840,758	404,606	30,733	19,193	370,727	3,151	5,299	8,948	83,797	1,161,567	1,242,480	2,884
THREELEAVEYAM	453,881	367,817	86,064	36,881	2,608	48,572	6,522	16	4,996	18,216	435,665	452,653	1,228
BANANA	1,473,658	1,219,768	253,890	109,351	16,024	126,579	21,257	14,192	15,203	248,362	1,225,296	1,451,820	21,838
BEENI- SEED/SESAME	1,392,958	696,388	696,570	349,050	29,498	364,536	34,736	5,952	57,285	74,475	1,318,483	1,379,618	13,340
CUCUMBER	363,171	255,124	108,047	74,369	8,783	32,533	10,380	3,403	18,397	30,251	332,919	340,641	22,529
OKRO	2,803,004	2,018,382	784,622	364,623	45,854	402,803	32,038	12,081	78,821	89,848	2,713,156	2,751,084	51,920
ONION	483,391	159,601	323,790	208,060	41,597	140,145	15,633	8,282	75,869	57,203	426,188	399,691	83,699
SWEET/BELLPEPPER(TATASHE)	145,322	63,268	82,055	47,956	4,144	40,034	6,445	3,735	9,112	8,070	137,253	135,384	9,939
SMALLPEPPER(RODO)	1,950,513	1,193,240	757,273	346,052	46,986	422,894	31,791	17,543	76,658	107,520	1,842,993	1,888,072	62,441
PINEAPPLE	368,176	315,415	52,761	28,575	1,136	20,425	2,910	2,465	6,236	75,116	293,060	363,419	4,757
PLANTAIN	2,752,233	2,270,154	482,078	132,945	21,040	300,127	29,154	28,232	28,403	433,398	2,318,834	2,722,628	29,605
IRISH POTATO	332,660	102,705	229,955	82,557	56,905	147,173	37,652	28,901	53,760	11,022	321,638	323,701	8,958
SWEET POTATO	1,489,512	849,600	639,912	237,411	49,406	382,093	12,515	33,957	57,393	71,943	1,417,569	1,465,649	23,863
PUMPKIN ⁽⁴⁾	2,771,501	2,321,459	450,042	233,610	14,670	185,553	18,294	3,029	47,608	1,023,446	1,748,055	2,713,483	58,018
GREEN VEGETABLE	1,048,786	771,306	277,480	160,112	7,428	108,739	10,903	7,451	27,638	40,474	1,008,312	990,774	58,012
SOYA BEANS	3,585,113	1,137,087	2,448,026	1,052,807	170,182	1,603,744	58,099	32,379	181,425	96,734	3,488,379	3,533,181	51,932
SUGARCANE	233,472	130,159	103,314	40,194	8,208	64,669	8,746	3,149	19,219	62,120	171,353	200,306	33,166
TOMATO	1,331,659	628,495	703,164	342,727	61,447	351,312	37,990	31,135	82,845	59,548	1,272,111	1,252,823	78,836
CASHEW	616,648	449,922	166,726	46,146	9,786	123,171	11,781	4,073	9,126	94,062	522,586	615,326	1,321
CHILLIPEPPER(SHOMBO)	442,752	208,223	234,529	125,892	15,138	123,443	10,013	5,514	36,023	17,263	425,489	428,800	13,952
COCOA	1,324,613	488,092	836,520	351,651	41,455	319,538	380,648	43,237	103,511	231,219	1,093,394	1,318,914	5,699
COCONUT	274,071	255,375	18,696	15,187	423	2,252	547	632	546	60,916	213,155	271,433	2,637
MANGO	466,222	391,060	75,162	35,848	5,010	30,728	9,598	2,498	5,290	121,130	345,092	457,110	9,112
ORANGE	866,878	611,166	255,712	107,971	7,202	117,427	47,089	1,027	19,518	134,022	732,856	861,056	5,821
OILPALMTREE	2,002,626	1,657,410	345,216	87,200	16,103	241,194	34,527	9,679	14,329	395,585	1,607,040	1,995,489	7,136
PAWPAW	322,007	287,022	34,985	14,679	1,280	17,120	2,118	1,111	3,546	50,646	271,361	319,172	2,835

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 10A: Quantity of fertilizers and pesticides, by Zone/State name, major season, Agricultural Year 2022/2023.

	Total # of plots where crop is cultivated	Fertilizers used on crops							
		Yes	Type of organic fertilizers applied						
			Number of holdings ('000)	Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other
North Central	Benue	1,497	33,674,283	703,286	5,296,771	(S)	780,006	(S)	
North Central	Fct	276	36,022,656	(S)	(S)	-	(S)	-	
North Central	Kogi	448	15,817,360	495,221	(S)	(S)	(S)	(S)	
North Central	Kwara	370	16,622,655	313,520	537,668	(S)	(S)	(S)	
North Central	Nasarawa	637	80,972,850	317,302	33,646,949	(S)	(S)	(S)	
North Central	Niger	1,198	153,755,372	319,298	28,657,172	(S)	(S)	(S)	
North Central	Plateau	1,305	213,676,340	100,289	8,776,917	165,894	(S)	(S)	
North Central	Zone total	5,730	550,541,516	2,285,374	78,948,857	482,943	2,020,534	548,940	
North East	Adamawa	973	91,759,880	381,475	2,012,048	(S)	(S)	(S)	
North East	Bauchi	1,786	358,620,668	441,926	5,421,952	(S)	(S)	-	
North East	Borno	706	18,276,094	156,870	2,645,844	845,202	-	-	
North East	Gombe	501	137,125,655	57,374	4,029,050	(S)	(S)	-	
North East	Taraba	704	28,801,612	166,443	1,573,693	28,097	713,850	4,453,302	
North East	Yobe	656	74,817,637	(S)	7,638,869	(S)	(S)	-	
North East	Zone total	5,327	709,401,545	1,294,015	23,321,456	1,205,629	921,095	4,817,221	
North West	Jigawa	1,149	173,806,236	(S)	(S)	(S)	(S)	-	
North West	Kaduna	1,857	390,059,606	461,676	65,814,204	656,934	10,589,046	(S)	
North West	Kano	2,124	398,327,157	2,343,032	80,692,813	620,620	2,863,011	(S)	
North West	Katsina	1,417	361,493,454	76,720	38,431,317	(S)	(S)	(S)	
North West	Kebbi	1,047	177,502,989	1,089,624	7,498,435	442,629	523,187	-	
North West	Sokoto	1,199	338,867,136	1,920,999	4,067,806	(S)	3,369,181	-	
North West	Zamfara	833	271,535,368	88,772	4,534,760	(S)	(S)	-	
North West	Zone total	9,626	2,111,591,946	6,102,316	201,877,264	2,438,741	18,044,761	12,906,055	
South East	Abia	646	80,494,380	(S)	13,914,860	(S)	-	(S)	
South East	Anambra	864	94,040,787	(S)	40,691,087	(S)	-	671,580	
South East	Ebonyi	615	50,186,672	(S)	13,246,464	(S)	(S)	(S)	
South East	Enugu	667	83,460,822	347,290	5,769,330	(S)	(S)	(S)	
South East	Imo	800	47,762,158	(S)	14,801,438	(S)	(S)	(S)	
South East	Zone total	3,593	355,944,819	737,073	88,423,178	(S)	(S)	1,253,911	
South South	Akwa Ibom	729	75,348,095	(S)	44,858,938	(S)	(S)	(S)	
South South	Bayelsa	17	889,954	(S)	(S)	(S)	-	(S)	
South South	Cross River	261	4,628,144	106,481	1,070,205	(S)	(S)	(S)	
South South	Delta	277	25,632,823	(S)	(S)	-	(S)	(S)	
South South	Edo	100	3,535,059	140,596	(S)	(S)	(S)	(S)	

Table 10A: Quantity of fertilizers and pesticides, by Zone/State name, major season, Agricultural Year 2022/2023.

	Total # of plots where crop is cultivated	Fertilizers used on crops						
		Yes	Type of organic fertilizers applied					
			Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other
		Number of holdings ('000)	Quantity (kg/liters) (1)					
South South	Rivers	348	50,734,231	(S)	24,162,658	(S)	(S)	(S)
South South	Zone total	1,732	160,768,306	598,196	71,430,796	(S)	858,736	(S)
South West	Ekiti	40	(S)	(S)	(S)	-	-	-
South West	Lagos	99	4,784,281	(S)	369,469	(S)	(S)	(S)
South West	Ogun	195	4,544,741	64,277	374,835	(S)	(S)	(S)
South West	Ondo	139	1,039,375	113,636	1,499,326	(S)	-	-
South West	Osun	316	18,850,862	769,879	1,962,856	(S)	651,462	(S)
South West	Oyo	354	14,359,716	431,751	(S)	-	39,445	(S)
South West	Zone total	1,141	44,532,984	1,435,777	4,644,198	(S)	713,549	(S)
Nigeria	Total	27,148	3,932,781,117	12,452,751	468,645,749	4,481,757	24,000,478	22,107,019

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 10B: Quantity of fertilizers and pesticides, by Zone/State name, major season, Agricultural Year 2022/2023.

	Total # of plots where crop is cultivated	Fertilizers used on crops									
		Yes	Type of inorganic or chemical fertilizers applied								
			Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other
			Quantity (kg/liters) (1)								
	Number of holdings ('000)										
North Central	Benue	1,497	138,961,743	2,360,274	6,133,632	(S)	(S)	(S)	83,970,767	(S)	497,366
North Central	Fct	276	23,244,201	(S)	(S)	(S)	(S)	(S)	16,640,147	(S)	(S)
North Central	Kogi	448	21,190,096	(S)	-	(S)	(S)	(S)	28,002,057	(S)	(S)
North Central	Kwara	370	20,132,335	(S)	(S)	(S)	(S)	(S)	26,525,022	(S)	(S)
North Central	Nasarawa	637	50,588,247	(S)	763,618	(S)	(S)	(S)	33,391,526	(S)	(S)
North Central	Niger	1,198	116,249,631	(S)	(S)	(S)	(S)	(S)	146,141,332	(S)	2,455,342
North Central	Plateau	1,305	149,202,602	(S)	1,830,065	(S)	(S)	(S)	151,260,821	(S)	3,047,719
North Central	Zone total	5,730	519,568,855	3,708,220	9,440,319	1,126,216	715,416	1,472,338	485,931,671	2,247,330	6,297,624
North East	Adamawa	973	113,012,752	(S)	1,974,470	-	-	(S)	95,254,105	(S)	(S)
North East	Bauchi	1,786	260,735,939	(S)	(S)	(S)	(S)	(S)	198,768,237	(S)	(S)
North East	Borno	706	28,435,346	(S)	(S)	(S)	(S)	(S)	41,059,945	(S)	(S)
North East	Gombe	501	86,232,601	(S)	(S)	(S)	-	(S)	75,521,255	(S)	-
North East	Taraba	704	95,514,950	(S)	1,181,335	(S)	(S)	(S)	83,868,609	(S)	(S)
North East	Yobe	656	22,718,126	(S)	(S)	(S)	(S)	(S)	29,906,873	(S)	(S)
North East	Zone total	5,327	606,649,714	1,068,580	3,813,092	749,089	(S)	(S)	524,379,024	1,001,599	1,041,370
North West	Jigawa	1,149	118,382,646	(S)	(S)	(S)	(S)	(S)	88,601,614	(S)	(S)
North West	Kaduna	1,857	434,148,667	(S)	2,101,509	(S)	3,432,988	(S)	371,727,589	11,332,338	(S)
North West	Kano	2,124	281,720,034	2,494,486	866,817	(S)	3,056,784	(S)	216,173,328	7,320,308	(S)
North West	Katsina	1,417	207,002,841	(S)	(S)	(S)	(S)	(S)	137,685,466	(S)	(S)
North West	Kebbi	1,047	127,026,870	(S)	(S)	(S)	555,134	(S)	99,339,536	1,027,435	(S)
North West	Sokoto	1,199	120,641,864	(S)	(S)	(S)	(S)	(S)	97,303,772	(S)	(S)
North West	Zamfara	833	86,435,388	-	(S)	(S)	-	(S)	98,019,779	(S)	-
North West	Zone total	9,626	1,375,358,311	5,419,925	5,120,503	1,573,268	7,430,373	1,069,482	1,108,851,085	21,016,920	2,881,539
South East	Abia	646	15,049,291	(S)	-	(S)	(S)	(S)	31,163,226	(S)	(S)
South East	Anambra	864	7,326,515	(S)	(S)	(S)	(S)	(S)	26,476,909	-	(S)
South East	Ebonyi	615	27,414,639	(S)	-	-	1,425,961	(S)	29,609,493	(S)	(S)
South East	Enugu	667	7,308,267	991,412	-	(S)	-	(S)	19,806,117	(S)	-
South East	Imo	800	4,233,491	-	-	(S)	(S)	(S)	30,849,079	(S)	(S)
South East	Zone total	3,593	61,332,203	1,473,500	(S)	(S)	2,057,595	(S)	137,904,824	(S)	1,164,932
South South	Akwa Ibom	729	2,470,711	-	-	(S)	821,516	(S)	11,707,809	-	(S)
South South	Bayelsa	17	(S)	-	(S)	(S)	-	-	286,984	-	(S)
South South	Cross River	261	12,776,330	(S)	(S)	(S)	(S)	(S)	21,730,747	(S)	(S)
South South	Delta	277	11,685,104	(S)	(S)	(S)	(S)	(S)	8,282,817	(S)	(S)
South South	Edo	100	2,926,639	(S)	(S)	(S)	(S)	(S)	1,454,112	(S)	(S)
South South	Rivers	348	20,885,494	(S)	(S)	(S)	(S)	(S)	35,387,822	(S)	(S)

Table 10B: Quantity of fertilizers and pesticides, by Zone/State name, major season, Agricultural Year 2022/2023.

	Total # of plots where crop is cultivated	Fertilizers used on crops									
		Yes	Type of inorganic or chemical fertilizers applied								
			Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other
Number of holdings ('000)	Quantity (kg/liters) (1)										
South South	Zone total	1,732	50,790,438	607,617	1,514,478	338,972	1,323,271	(S)	78,850,291	(S)	(S)
South West	Ekiti	40	(S)	(S)	(S)	(S)	(S)	-	2,244,124	-	(S)
South West	Lagos	99	1,668,737	(S)	-	-	(S)	-	2,426,977	(S)	(S)
South West	Ogun	195	3,697,424	(S)	(S)	(S)	(S)	(S)	4,811,898	(S)	(S)
South West	Ondo	139	977,293	(S)	(S)	(S)	(S)	(S)	5,221,255	(S)	(S)
South West	Osun	316	12,207,277	(S)	(S)	(S)	365,676	(S)	12,033,734	141,386	(S)
South West	Oyo	354	10,062,347	(S)	(S)	(S)	(S)	(S)	16,453,956	(S)	(S)
South West	Zone total	1,141	28,701,708	1,084,436	587,230	327,255	474,645	(S)	43,191,945	189,334	(S)
Nigeria	Total	27,148	2,642,401,229	13,362,277	20,480,603	4,832,841	12,129,585	4,872,596	2,379,108,839	24,611,617	13,002,627

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 10C: Quantity of fertilizers and pesticides, by Zone/State name, major season, Agricultural Year 2022/2023.

	Total # of plots where crop is cultivated	Pesticide products used on crops							
		Yes	Type of pesticides applied						
			Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other	
		Number of holdings ('000)	Quantity (kg/liter) (1)						
North Central	Benue	1,487	3,273,427	2,710,001	15,122,279	496,712	362,182	2,426,676	
North Central	Fct	258	780,002	539,198	2,429,015	(S)	592,442	(S)	
North Central	Kogi	412	1,065,076	2,020,347	3,147,903	1,415,197	818,642	1,189,659	
North Central	Kwara	445	2,302,735	1,960,116	3,759,576	267,354	1,370,482	944,402	
North Central	Nasarawa	600	2,161,470	2,658,693	5,666,048	589,040	668,990	496,205	
North Central	Niger	1,025	4,338,159	2,470,974	9,392,020	1,259,405	865,761	1,802,901	
North Central	Plateau	973	2,648,796	4,798,446	5,539,981	1,266,200	4,703,044	2,407,339	
North Central	Zone total	5,200	16,569,663	17,157,774	45,056,823	5,915,187	9,381,542	9,396,035	
North East	Adamawa	931	2,240,351	5,271,691	9,008,852	227,974	624,877	318,486	
North East	Bauchi	1,394	6,318,621	8,109,354	6,992,608	4,086,396	(S)	3,387,330	
North East	Borno	632	2,611,910	228,038	3,696,255	1,283,437	243,791	485,777	
North East	Gombe	445	1,507,346	1,389,970	2,048,995	1,187,320	(S)	536,705	
North East	Taraba	678	2,829,013	3,186,984	7,151,236	387,081	717,778	6,084,838	
North East	Yobe	421	1,129,449	392,578	1,654,719	2,010,439	(S)	649,394	
North East	Zone total	4,500	16,636,690	18,578,616	30,552,664	9,182,647	2,474,908	11,462,530	
North West	Jigawa	640	2,588,561	3,992,667	1,116,989	149,645	(S)	(S)	
North West	Kaduna	1,773	10,353,683	7,473,130	11,661,033	3,676,093	3,500,196	3,785,248	
North West	Kano	1,713	9,881,165	11,452,605	4,821,338	4,541,511	1,699,399	3,092,221	
North West	Katsina	1,149	4,171,664	6,542,761	2,953,390	485,975	324,263	361,064	
North West	Kebbi	747	4,060,117	10,783,629	3,095,448	4,484,286	1,097,634	1,376,069	
North West	Sokoto	960	7,388,054	13,166,226	1,964,563	5,089,614	3,590,276	10,261,709	
North West	Zamfara	632	2,837,966	4,556,671	2,027,706	2,149,235	251,857	333,837	
North West	Zone total	7,614	41,281,209	57,967,689	27,640,467	20,576,358	10,546,713	19,375,685	
South East	Abia	215	633,527	(S)	151,228	153,252	(S)	(S)	
South East	Anambra	248	208,448	923,644	1,244,923	(S)	(S)	337,498	
South East	Ebonyi	414	202,502	986,215	3,179,940	93,012	(S)	434,223	
South East	Enugu	236	228,275	(S)	968,375	(S)	457,463	256,634	
South East	Imo	69	128,322	(S)	68,805	(S)	(S)	(S)	
South East	Zone total	1,182	1,401,073	2,139,567	5,613,272	579,001	1,278,138	1,187,100	
South South	Akwa Ibom	207	828,633	(S)	819,398	(S)	(S)	1,630,290	
South South	Bayelsa	60	315,436	(S)	1,104,033	(S)	(S)	(S)	
South South	Cross River	353	596,760	578,704	3,182,294	1,547,173	(S)	238,714	
South South	Delta	382	642,457	948,130	4,352,352	199,240	239,421	119,896	
South South	Edo	138	382,913	(S)	2,239,855	131,760	213,566	95,620	

Table 10C: Quantity of fertilizers and pesticides, by Zone/State name, major season, Agricultural Year 2022/2023.

	Total # of plots where crop is cultivated	Pesticide products used on crops							
		Yes	Type of pesticides applied						
			Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other	
		Number of holdings ('000)	Quantity (kg/liter) (1)						
South South	Rivers	188	430,440	7,049,383	953,158	7,419,116	3,672,886	1,801,000	
South South	Zone total	1,327	3,196,638	9,238,365	12,651,089	9,621,574	4,446,923	4,008,833	
South West	Ekiti	244	319,054	130,495	1,930,845	192,453	(S)	502,638	
South West	Lagos	63	178,823	209,231	320,643	(S)	(S)	(S)	
South West	Ogun	214	924,885	141,972	1,243,305	191,249	246,066	147,040	
South West	Ondo	287	1,088,304	1,660,203	2,347,989	4,200,976	118,639	694,123	
South West	Osun	509	3,587,129	1,005,371	2,338,644	3,012,142	1,899,226	2,484,744	
South West	Oyo	583	2,551,612	1,525,355	5,966,224	832,137	924,098	464,922	
South West	Zone total	1,900	8,649,807	4,672,627	14,147,649	8,429,174	3,268,519	4,418,659	
Nigeria	Total	21,722	87,735,081	109,754,638	135,661,965	54,303,942	31,396,744	49,848,843	

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 11A: Main crops (top 25): use of fertilizers, pesticides, irrigation, national level, minor season, Agricultural Year 2022/2023.

Crop	NIGERIA									
	Total # of plots where crop is cultivated	Fertilizers used on crop								
		No	Yes	Type of organic fertilizers applied						No organic fertilizer applied
				Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Biostimulant	Other	
Number of plots where crop is cultivated										
BEANS/COWPEA	166,535	36,139	130,396	112,848	10,981	3,401	596	2,078	0	43,903
COCOYAM	136,909	74,503	62,405	52,736	2,967	5,346	1,210	953	0	78,803
GROUNDNUT/PEANUTS	126,766	45,843	80,923	66,741	6,804	2,477	0	605	0	53,239
GUINEA CORN/SORGHUM	119,911	20,108	99,803	88,154	2,230	3,465	692	0	0	28,860
MAIZE	845,365	205,447	639,918	470,048	29,953	46,321	739	8,864	1,137	337,652
MELON/EGUSI	36,524	17,618	18,906	13,159	589	1,239	0	0	0	22,611
MILLET/MAIWA	97,588	5,341	92,247	82,279	4,397	1,603	573	265	0	10,949
RICE	646,550	27,183	619,367	375,167	21,925	11,819	1,419	16,786	1,014	249,896
WHITEYAM	360,393	232,534	127,859	77,796	7,860	15,419	605	2,561	283	262,725
YELLOWYAM	16,095	9,608	6,488	5,368	321	627	0	912	172	9,608
WATERYAM	62,414	45,076	17,338	11,627	282	4,896	0	605	0	46,897
THREELEAVEYAM	12,048	2,836	9,212	3,169	0	205	0	488	63	8,611
CUCUMBER	48,026	6,381	41,645	31,545	459	2,636	0	0	728	15,431
OKRO	251,935	105,394	146,541	104,240	5,166	10,850	139	350	5,579	132,270
ONION	500,803	15,368	485,436	401,227	44,253	42,021	2,748	23,688	4,996	82,661
SWEET/BELLPEPPER(TATASHE)	107,566	7,934	99,631	78,553	1,343	3,498	927	1,438	0	24,783
SMALLPEPPER(RODO)	308,061	71,186	236,875	179,145	11,810	12,849	1,091	539	1,524	119,214
IRISH POTATO	70,041	828	69,213	57,724	509	0	0	0	0	12,057
SWEET POTATO	149,132	72,285	76,847	60,911	2,430	2,101	157	326	219	85,393
PUMPKIN ⁽¹⁾	198,837	73,283	125,554	83,846	1,081	28,473	322	0	5,259	93,334
GREEN VEGETABLE	227,555	70,008	157,547	85,898	3,921	21,443	280	1,562	1,747	122,655
SOYA BEANS	52,192	3,918	48,274	43,701	0	1,118	0	1,251	330	7,043
SUGARCANE	124,239	41,470	82,769	49,366	1,879	4,220	152	164	0	72,168
TOMATO	559,517	63,847	495,670	370,506	24,322	24,645	2,653	4,925	2,118	168,108
CHILLIPEPPER(SHOMBO)	98,336	4,918	93,418	73,289	1,797	6,283	383	182	0	20,266

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 11B: Main crops (top 25): use of fertilizers, pesticides, irrigation, national level, minor season, Agricultural Year 2022/2023. Cont'd

Crop	NIGERIA										
	Total # of plots where crop is cultivated	Fertilizers used on crop									
		Type of inorganic or chemical fertilizers applied									
		Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	No inorganic/chemical fertilizer applied
		Number of plots where crop is cultivated									
BEANS/COWPEA	166,535	78,427	646	548	435	97	0	66,199	483	0	50,059
COCoyAM	136,909	14,945	0	444	0	545	0	26,245	908	1,018	99,808
GROUNDNUT/PEANUTS	126,766	46,785	0	220	0	1,574	0	35,225	0	148	55,025
GUINEA CORN/SORGHUM	119,911	62,272	156	202	0	0	0	56,148	542	0	26,732
MAIZE	845,365	387,691	2,609	1,001	1,184	4,543	0	346,840	927	691	302,124
MELON/EGUSI	36,524	7,203	0	469	0	0	325	8,935	0	83	22,216
MILLET/MAIWA	97,588	69,850	709	0	224	0	0	39,032	2,162	0	13,489
RICE	646,550	512,153	694	2,878	0	5,734	413	373,260	1,590	829	49,053
WHITEYAM	360,393	30,576	667	103	200	885	605	53,241	0	1,218	283,632
YELLOWYAM	16,095	2,526	0	0	0	0	0	3,471	0	172	10,571
WATERYAM	62,414	3,012	179	0	0	605	0	2,712	0	0	57,163
THREELEAVEYAM	12,048	4,720	0	0	0	0	0	8,029	0	63	3,542
CUCUMBER	48,026	15,218	706	189	369	0	0	19,186	0	0	20,892
OKRO	251,935	57,014	1,236	521	474	882	986	54,400	412	2,134	151,412
ONION	500,803	354,463	7,245	346	373	7,401	637	289,660	4,710	1,300	54,130
SWEET/BELLPEPPER(TATASHE)	107,566	67,342	0	0	0	437	0	60,315	413	0	18,543
SMALLPEPPER(RODO)	308,061	131,881	503	402	1,037	1,418	172	126,939	3,289	1,261	109,287
IRISH POTATO	70,041	53,279	0	2,199	0	0	0	52,099	211	1,375	1,284
SWEET POTATO	149,132	28,789	0	722	0	0	1,126	41,529	211	923	88,952
PUMPKIN ⁽¹⁾	198,837	27,386	0	325	813	195	0	31,971	0	325	145,991
GREEN VEGETABLE	227,555	41,752	1,519	325	401	1,958	0	71,191	300	269	128,251
SOYA BEANS	52,192	25,766	0	0	624	265	0	31,060	0	0	5,417
SUGARCANE	124,239	61,457	164	0	0	601	437	42,777	0	0	48,959
TOMATO	559,517	347,841	6,076	827	413	7,423	1,369	285,734	4,297	176	120,239
CHILLIPEPPER(SHOMBO)	98,336	60,509	378	751	0	123	0	49,063	1,116	0	15,061

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 11C: Main crops (top 25): use of fertilizers, pesticides, irrigation, national level, minor season, Agricultural Year 2022/2023. Cont'd													
NIGERIA													
Crop	Total # of plots where crop is cultivated	Fertilizers used on crop								Reporting no harvest	Reporting harvest	Did the household irrigate this crop during the reference period?	
		No	Yes	Type of pesticides applied					No			Yes	
				Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides					Other
		Number of plots where crop is cultivated											
BEANS/COWPEA	166,535	36,517	130,017	90,612	11,756	28,891	6,429	4,671	9,645	34,456	132,079	140,016	26,518
COCOYAM	136,909	93,797	43,112	18,203	2,585	18,921	1,574	5,877	3,965	47,050	89,859	128,079	8,830
GROUNDNUT/PEANUTS	126,766	54,551	72,215	52,076	6,317	14,434	3,889	174	3,798	37,503	89,263	111,668	15,098
GUINEA CORN/SORGHUM	119,911	35,023	84,887	55,256	10,074	20,005	2,623	1,307	4,234	27,380	92,531	101,575	18,336
MAIZE	845,365	314,070	531,295	306,544	46,313	209,777	23,092	22,266	38,874	106,760	738,605	621,198	224,167
MELON/EGUSI	36,524	19,624	16,900	9,380	2,458	3,530	1,883	430	2,241	10,654	25,870	29,809	6,715
MILLET/MAIWA	97,588	20,262	77,326	46,557	8,934	24,209	5,677	1,001	2,336	15,678	81,910	65,479	32,109
RICE	646,550	157,086	489,463	269,237	40,027	213,263	34,547	16,704	26,530	54,221	592,328	239,834	406,716
WHITEYAM	360,393	241,977	118,416	23,737	6,204	81,660	4,739	7,545	7,107	140,825	219,568	345,926	14,467
YELLOWYAM	16,095	9,395	6,700	3,569	0	3,416	605	78	257	6,667	9,428	15,236	859
WATERYAM	62,414	42,548	19,866	8,435	248	14,824	46	0	637	23,719	38,695	61,796	618
THREELEAVEYAM	12,048	8,897	3,151	2,101	0	987	0	0	551	573	11,475	11,472	576
CUCUMBER	48,026	23,742	24,284	19,095	367	9,991	2,256	0	3,278	7,274	40,752	22,740	25,287
OKRO	251,935	141,592	110,343	64,267	5,090	36,264	14,451	1,799	8,683	30,192	221,743	163,263	88,672
ONION	500,803	122,392	378,411	270,679	57,678	147,681	27,272	14,356	54,402	140,514	360,289	152,250	348,553
SWEET/BELLPEPPER(TATASHE)	107,566	26,851	80,714	63,330	4,104	15,970	7,722	5,787	6,649	10,790	96,776	35,049	72,517
SMALLPEPPER(RODO)	308,061	131,915	176,146	108,379	16,181	77,312	11,565	5,736	18,209	33,067	274,994	151,323	156,737
IRISH POTATO	70,041	22,100	47,941	15,247	7,580	37,774	3,067	2,015	15,743	1,053	68,988	32,089	37,952
SWEET POTATO	149,132	82,254	66,878	37,538	6,046	20,794	2,542	4,427	6,830	17,698	131,434	117,635	31,498
PUMPKIN ⁽¹⁾	198,837	151,185	47,652	20,764	3,648	20,475	4,646	234	4,444	120,667	78,169	143,235	55,602
GREEN VEGETABLE	227,555	132,540	95,015	66,531	4,721	32,154	2,860	2,889	10,163	16,232	211,323	133,447	94,108
SOYA BEANS	52,192	4,565	47,627	32,849	4,483	8,480	934	3,923	3,287	3,471	48,721	46,938	5,254
SUGARCANE	124,239	78,201	46,038	14,109	4,130	29,449	3,723	960	4,133	18,059	106,179	47,868	76,370
TOMATO	559,517	129,535	429,982	290,284	66,399	160,016	27,672	19,571	49,730	50,174	509,343	232,368	327,149
CHILLIPEPPER(SHOMBO)	98,336	30,500	67,836	49,777	6,481	23,743	3,490	749	9,151	8,473	89,863	46,042	52,294

Source: Nigeria Agricultural Sample Survey (NASS), 2023

Table 12: Quantity of fertilizers and pesticides, by Zone/State name, minor season, Agricultural Year 2022/2023.

	Total # of plots where crop is cultivated	Fertilizers used on crops										Fertilizers used on crops						
		Yes	Type of organic fertilizers applied						Type of inorganic or chemical fertilizers applied									
			Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Bio stimulant	Other	Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other	
		Number of holdings ('000)	Quantity (kg/liters) (1)						Quantity (kg/liters) (1)									
North Central	Benue	14	(S)	(S)	(S)	-	(S)	-	(S)	-	(S)	-	-	-	(S)	-	(S)	
North Central	Fct	24	(S)	(S)	-	-	(S)	-	(S)	(S)	-	(S)	(S)	-	(S)	(S)	-	
North Central	Kogi	54	3,027,523	111,133	(S)	(S)	(S)	(S)	6,963,017	-	(S)	-	(S)	(S)	5,771,226	-	-	
North Central	Kwara	18	709,656	(S)	-	-	-	-	704,317	(S)	-	-	-	-	2,146,817	-	-	
North Central	Nasarawa	10	(S)	(S)	(S)	-	-	-	821,592	-	(S)	-	-	-	(S)	-	(S)	
North Central	Niger	54	6,550,958	(S)	(S)	-	-	-	5,618,395	-	(S)	-	-	-	6,160,720	-	(S)	
North Central	Plateau	130	15,434,934	(S)	(S)	(S)	-	-	11,256,439	(S)	(S)	-	-	-	12,768,309	(S)	(S)	
North Central	Zone total	303	28,193,963	225,250	(S)	(S)	(S)	(S)	26,794,850	(S)	(S)	(S)	(S)	(S)	28,482,885	(S)	(S)	
North East	Adamawa	45	3,623,765	(S)	(S)	-	-	-	3,362,456	-	0	-	-	-	2,448,015	(S)	-	
North East	Bauchi	162	15,964,163	(S)	(S)	(S)	-	-	19,170,424	-	(S)	-	(S)	-	12,773,276	(S)	(S)	
North East	Borno	66	2,630,485	(S)	(S)	-	-	(S)	1,053,708	(S)	(S)	(S)	-	-	1,618,506	(S)	(S)	
North East	Gombe	26	3,401,249	(S)	-	-	-	-	3,187,930	-	-	-	-	-	2,007,821	-	(S)	
North East	Taraba	19	1,042,093	(S)	(S)	-	(S)	(S)	2,071,394	-	-	-	-	-	1,438,888	-	-	
North East	Yobe	34	3,297,003	(S)	-	-	-	-	3,389,231	(S)	-	(S)	-	-	2,988,030	-	-	
North East	Zone total	353	29,958,758	64,379	(S)	(S)	(S)	(S)	32,235,143	(S)	(S)	(S)	(S)	-	23,274,535	(S)	(S)	
North West	Jigawa	193	21,853,301	-	(S)	(S)	(S)	(S)	42,372,671	-	-	-	(S)	-	36,347,258	(S)	(S)	
North West	Kaduna	236	26,086,295	(S)	3,572,787	(S)	(S)	0	21,388,085	(S)	(S)	(S)	(S)	(S)	18,777,091	(S)	(S)	
North West	Kano	306	44,080,353	354,154	5,056,244	(S)	(S)	3,363,797	23,048,984	283,534	(S)	(S)	295,841	(S)	19,907,357	(S)	-	
North West	Katsina	77	14,418,849	(S)	(S)	(S)	(S)	-	8,750,090	-	-	-	(S)	-	7,508,544	-	-	
North West	Kebbi	246	35,802,264	(S)	1,211,876	(S)	308,264	-	20,345,600	(S)	(S)	-	(S)	-	13,217,884	(S)	(S)	
North West	Sokoto	238	49,719,799	382,525	727,118	(S)	(S)	-	20,340,254	(S)	-	-	-	-	15,418,309	-	-	
North West	Zamfara	36	10,671,086	(S)	(S)	-	-	-	2,585,314	-	-	-	-	-	2,029,701	(S)	(S)	
North West	Zone total	1,331	202,631,947	878,771	10,923,141	(S)	5,103,083	3,363,797	138,830,998	314,009	(S)	(S)	724,167	(S)	113,206,143	1,077,079	(S)	
South East	Abia	13	(S)	-	(S)	-	-	-	(S)	(S)	-	-	-	-	(S)	-	-	
South East	Anambra	16	(S)	-	(S)	-	-	-	(S)	-	-	-	-	-	(S)	-	(S)	
South East	Ebonyi	36	3,572,861	-	(S)	-	-	-	320,313	-	-	-	(S)	-	(S)	-	-	
South East	Enugu	32	1,580,413	(S)	(S)	-	-	-	(S)	-	-	-	-	-	540,715	-	-	
South East	Imo	31	1,648,184	-	(S)	-	-	-	(S)	-	-	-	-	-	284,235	-	-	
South East	Zone total	127	8,951,153	(S)	(S)	-	-	-	758,387	(S)	-	-	(S)	-	2,024,233	-	(S)	
South South	Akwa Ibom	69	5,820,035	-	3,092,049	-	-	(S)	(S)	-	-	-	-	-	715,321	-	-	
South South	Bayelsa	13	179,986	(S)	(S)	-	-	(S)	(S)	-	(S)	-	-	-	(S)	-	(S)	

Table 12: Quantity of fertilizers and pesticides, by Zone/State name, minor season, Agricultural Year 2022/2023.																	
	Total # of plots where crop is cultivated	Fertilizers used on crops							Fertilizers used on crops								
		Yes	Type of organic fertilizers applied						Type of inorganic or chemical fertilizers applied								
			Solid Manure	Liquid manure/slurry	Vegetable material or compost	Stabilized sewage sludge	Bio-stimulant	Other	Urea	Other nitrogenous fertilizer	Superphosphates (>35% of P2O5)	Other phosphatic fertilizer	Potassium Chlorine (MOP)	Other potassic fertilizer	NPK	Diammonium phosphate (DAP)	Other
Number of holdings ('000)	Quantity (kg/liters) (1)							Quantity (kg/liters) (1)									
South South	Cross River	(S)	(S)	(S)	(S)	-	-	-	(S)	-	(S)	-	-	-	(S)	-	(S)
South South	Delta	34	2,161,013	(S)	(S)	-	(S)	-	(S)	(S)	(S)	-	-	(S)	(S)	-	(S)
South South	Edo	9	444,188	(S)	-	-	-	(S)	404,025	-	-	-	-	(S)	-	-	(S)
South South	Rivers	52	4,541,722	(S)	2,604,943	(S)	-	-	1,121,522	-	-	-	-	-	4,935,961	-	(S)
South South	Zone total	185	13,360,887	(S)	5,751,669	(S)	(S)	(S)	2,988,719	(S)	(S)	-	-	(S)	8,131,302	-	(S)
South West	Ekiti	(S)	-	-	(S)	-	-	-	(S)	(S)	-	-	-	-	(S)	-	-
South West	Lagos	20	554,196	(S)	(S)	-	(S)	(S)	(S)	-	(S)	(S)	(S)	(S)	(S)	(S)	(S)
South West	Ogun	17	463,183	(S)	(S)	-	(S)	(S)	(S)	(S)	-	(S)	-	(S)	-	-	-
South West	Ondo	20	(S)	(S)	(S)	-	-	-	(S)	-	-	(S)	-	(S)	(S)	-	-
South West	Osun	62	1,357,884	(S)	164,022	(S)	(S)	(S)	1,198,179	(S)	(S)	(S)	(S)	(S)	740,020	(S)	(S)
South West	Oyo	49	2,235,228	100,620	654,222	-	-	-	773,700	(S)	(S)	-	(S)	-	1,416,812	-	-
South West	Zone total	174	4,629,612	179,484	1,618,374	(S)	(S)	(S)	2,997,615	(S)	(S)	(S)	(S)	(S)	3,288,650	(S)	(S)
Nigeria	Total	2,473	287,726,320	1,457,583	19,927,245	248,742	5,701,185	4,495,686	204,605,712	485,994	817,570	(S)	886,594	(S)	178,407,748	1,171,338	590,177

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) Computed only among the holdings that reported the quantity of fertilizer/pesticide in a unit of measurement for which the conversion factor to kg/liter was available.

Table 13: Quantity of fertilizers and pesticides, by Zone/State name, minor season, Agricultural Year 2022/2023

	Total # of plots where crop is cultivated	Fertilizers used on crops		Pesticide products used on crops					
		Yes	Yes	Type of pesticides applied					
				Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other
		Number of holdings ('000)	Number of holdings ('000)	Quantity (kg/liter) (1)					
North Central	Benue	14	11	(S)	(S)	(S)	(S)	-	-
North Central	Fct	24	21	(S)	(S)	(S)	(S)	(S)	(S)
North Central	Kogi	54	49	172,058	(S)	396,390	725,040	(S)	(S)
North Central	Kwara	18	17	91,561	(S)	79,570	-	(S)	(S)
North Central	Nasarawa	10	7	(S)	(S)	49,841	(S)	(S)	-
North Central	Niger	54	40	241,887	(S)	181,086	(S)	(S)	(S)
North Central	Plateau	130	93	325,413	951,691	320,871	(S)	(S)	222,454
North Central	Zone total	303	239	953,791	2,151,383	1,171,523	1,149,096	(S)	343,618
North East	Adamawa	45	36	125,557	(S)	98,089	(S)	(S)	(S)
North East	Bauchi	162	116	403,464	410,782	725,734	(S)	(S)	136,348
North East	Borno	66	53	159,518	(S)	72,442	(S)	(S)	(S)
North East	Gombe	26	18	47,015	(S)	37,849	(S)	(S)	(S)
North East	Taraba	19	15	(S)	(S)	69,032	(S)	-	(S)
North East	Yobe	34	24	48,807	(S)	65,436	(S)	(S)	30,338
North East	Zone total	353	263	838,381	892,984	1,068,581	344,335	(S)	181,759
North West	Jigawa	193	128	481,640	(S)	374,611	(S)	(S)	(S)
North West	Kaduna	236	225	1,492,298	881,880	472,442	289,160	1,734,428	497,115
North West	Kano	306	276	1,775,352	1,481,340	453,484	(S)	98,731	105,826
North West	Katsina	77	69	220,625	(S)	111,018	84,029	(S)	(S)
North West	Kebbi	246	185	741,646	780,695	415,736	895,195	(S)	52,261
North West	Sokoto	238	187	1,369,373	3,052,918	847,232	1,959,110	702,132	1,676,132
North West	Zamfara	36	31	80,886	(S)	63,823	(S)	(S)	(S)
North West	Zone total	1,331	1,101	6,161,820	6,655,053	2,738,345	3,413,670	3,045,865	2,405,238
South East	Abia	13	7	(S)	-	(S)	-	-	-
South East	Anambra	16	13	(S)	(S)	(S)	-	-	-
South East	Ebonyi	36	6	-	(S)	(S)	(S)	-	(S)
South East	Enugu	32	25	24,192	(S)	(S)	-	(S)	(S)
South East	Imo	31	22	66,146	-	(S)	-	-	-
South East	Zone total	127	73	113,892	(S)	78,027	(S)	(S)	(S)
South South	Akwa Ibom	69	14	(S)	(S)	(S)	(S)	-	(S)
South South	Bayelsa	13	31	97,334	(S)	415,885	(S)	(S)	(S)
South South	Cross River	(S)	7	(S)	(S)	(S)	(S)	(S)	(S)
South South	Delta	34	25	(S)	(S)	284,932	(S)	(S)	(S)

Table 13: Quantity of fertilizers and pesticides, by Zone/State name, minor season, Agricultural Year 2022/2023

	Total # of plots where crop is cultivated	Fertilizers used on crops		Pesticide products used on crops					
		Yes	Yes	Type of pesticides applied					
				Insecticides	Herbicides (solid)	Herbicides (liquid)	Fungicides or bactericides	Rodenticides	Other
		Number of holdings ('000)	Number of holdings ('000)	Quantity (kg/liter) (1)					
South South	Edo	9	5	(S)	(S)	(S)	-	(S)	(S)
South South	Rivers	52	16	(S)	(S)	(S)	(S)	(S)	(S)
South South	Zone total	185	99	321,992	(S)	852,625	(S)	(S)	919,578
South West	Ekiti	(S)	23	(S)	(S)	110,812	(S)	-	(S)
South West	Lagos	20	15	182,415	(S)	(S)	(S)	(S)	(S)
South West	Ogun	17	14	42,814	(S)	(S)	(S)	(S)	(S)
South West	Ondo	20	15	(S)	(S)	44,532	(S)	-	(S)
South West	Osun	62	67	369,312	(S)	258,827	(S)	210,805	69,397
South West	Oyo	49	83	63,507	71,964	626,495	(S)	(S)	(S)
South West	Zone total	174	217	674,462	209,345	1,122,156	255,113	283,687	211,186
Nigeria	Total	2,473	1,992	9,064,339	10,455,076	7,031,258	6,164,959	4,019,623	4,086,161

Source: Nigeria Agricultural Sample Survey (NASS), 2023

(1) Computed only among the holdings that reported the quantity of fertilizer/pesticide in a unit of measurement for which the conversion factor to kg/liter was available.

