

Nigeria - National Agricultural Sample Census 2022

National Bureau of Statistics (NBS)

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Identification

SURVEY ID NUMBER

NGA_2022_NASC-COM_v01_EN_M_v01_A_ESS

TITLE

National Agricultural Sample Census 2022

SUBTITLE

Community Listing

COUNTRY

| Name | Country code |
|---------|--------------|
| Nigeria | NGA |

STUDY TYPE

Agricultural Census [ag/census]

ABSTRACT

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

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

Additional objectives of the overall NASC program include the following:

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

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Community

Version

VERSION DESCRIPTION

v1.0: Edited, anonymized microdata

VERSION DATE

2022-04-23

VERSION NOTES

This dataset is the anonymized version of the cleaned dataset of the 2022 National Agricultural Sample Census Community listing.

Scope

NOTES

The community listing component of National Agricultural Sample Census (NASC) covered the following subject areas:

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

TOPICS

| Topic | Vocabulary |
|-------------------------|------------|
| Infrastructures | World Bank |
| Disaster | World Bank |
| Shocks | World Bank |
| Agricultural Production | World Bank |
| Labour | World Bank |

KEYWORDS

| Keyword |
|----------------|
| Community |
| Infrastructure |
| Crops |
| Livestock |
| Fishery |
| Disaster |
| farmer |
| Listing |

Coverage

GEOGRAPHIC COVERAGE

Communities (in Enumerated Areas).

UNIVERSE

The population units are communities encompassing the designated enumeration areas, where household listing was performed.

Producers and sponsors

PRIMARY INVESTIGATORS

| Name | Affiliation |
|------|-------------|
|------|-------------|

| | |
|-------------------------------------|-------------------------------------|
| National Bureau of Statistics (NBS) | Federal Government of Nigeria (FGN) |
|-------------------------------------|-------------------------------------|

PRODUCERS

| Name | Affiliation | Role |
|--|-------------------------------------|-------------------|
| Federal Ministry of Agriculture and Food Security (formerly Federal Ministry of Agriculture and Rural Development) | Federal Government of Nigeria (FGN) | Technical support |
| World Bank | The World Bank Group (WBG) | Technical support |
| Food and Agriculture Organization of the United Nations | United Nations (UN) | Technical support |
| National Population Commission | Federal Government of Nigeria (FGN) | Technical support |

FUNDING AGENCY/SPONSOR

| Name | Abbreviation | Role |
|----------------------|--------------|----------------------|
| The World Bank Group | WBG | Financial assistance |

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

| Name | Affiliation | Role |
|-----------------------------|-------------------------------|----------------------|
| Federal Ministry of Finance | Federal Government of Nigeria | Supervision |
| The 50x2030 Initiative | | Technical assistance |

Sampling

SAMPLING PROCEDURE

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

WEIGHTING

Statistics in the community listing microdata are unweighted

Data Collection

DATES OF DATA COLLECTION

| Start | End |
|------------|------------|
| 2022-07-06 | 2022-09-09 |

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

SUPERVISION

Adequate physical monitoring and spot-checks were carried out by senior-level officers of the Bureau, Federal Ministry of Agriculture and Food Security (FMAFS), and National Population Commission (NPC).

The monitoring of fieldwork was done in three phases, the first round started concurrently with the commencement of data collection to ensure a smooth start to the data collection effort. The second round of monitoring was in the middle of the fieldwork stage, while the third occurred towards the end of the fieldwork.

The activities carried out included:

- Visitation of different teams in various LGAs with special attention to the EAs that were broken into segments.
- Resolving observable challenges that called for urgent attention.
- Collaborating with the state officers to compile all EAs that required replacement, reach out to enumerators, and discuss observations and comments from the World Bank and FAO, and proffer solutions where necessary.
- Identification of enumerators who did not properly classify agricultural and non-agricultural enterprises, for better

understanding and proper classification.

- Spot-checking of EAs where the number of households listed by the enumerators was less than what the NPC listed.
- Randomly visited households where enumerators listed over 100 members of a household to confirm the true scenario of the household membership using the interviewer keys.
- Online real-time data monitoring and immediate feedback.

DATA COLLECTION NOTES

THE TRAINING OF FIELD STAFF

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

Participants at the first level of training included the following:

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

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

Participants at the state training level include the following:

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

DATA COLLECTION

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

ORGANIZATION OF FIELD WORK

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

DATA COLLECTORS

| Name | Abbreviation | Affiliation |
|------|--------------|-------------|
|------|--------------|-------------|

| | | |
|-------------------------------|-----|-------------------------------------|
| National Bureau of Statistics | NBS | Federal Government of Nigeria (FGN) |
|-------------------------------|-----|-------------------------------------|

Questionnaires

QUESTIONNAIRES

The NASC community listing questionnaire served as a meticulously designed instrument administered within every community selected to gather comprehensive data. It encompassed various aspects such as agricultural activities in the community, infrastructures, disaster, etc. The questionnaire was structured into the following sections:

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

Data Processing

DATA EDITING

Data processing of the NASC household listing survey included checking for inconsistencies, incompleteness, and outliers. Data editing and cleaning was carried out electronically using the Stata software package. In some cases where data inconsistencies were found a call back to the household was carried out. A pre-analysis tabulation plan was developed and the final tables for publication were created using the Stata software package.

Access policy

CONTACTS

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CONFIDENTIALITY

The confidentiality of the individual respondent is protected by law (Statistical Act 2007) This is published in the Official Gazette of the Federal republic of Nigeria No. 60 vol. 94 of 11th June 2007. See section 26 para.2. Punitive measures for breeches of confidentiality are outlined in section 28 of the same Act.

ACCESS CONDITIONS

A comprehensive data access policy is been developed by NBS, however section 27 of the Statistical Act 2007 outlines the data access obligation of data producers which includes the release of properly anonymized micro data.

CITATION REQUIREMENTS

National Bureau of Statistics, Nigeria, National Agricultural Sample Census (NASC 2022S)-v1.0

ACCESS AUTHORITY

| Name | Affiliation | Email | URL |
|-------------------------------------|-------------------------------------|------------------------------|-------------------------|
| National Bureau of Statistics (NBS) | Federal Government of Nigeria (FGN) | feedback@nigerianstat.gov.ng | www.nigerianstat.gov.ng |

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Metadata production

DDI DOCUMENT ID

DDI_NGA_2022_NASC-COM_v01_EN_M_v01_A_ESS_FAO

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|--|-----------------------|-------------------------------|-------------|
| National Bureau of Statistics | NBS | Federal Government of Nigeria | Producer |
| Federal Ministry of Agriculture and Food Security (formerly Federal Ministry of Agriculture and Rural Development) | FMAFS(formerly FMARD) | Federal Government of Nigeria | Contributor |

DATE OF METADATA PRODUCTION

2024-10-08

DDI DOCUMENT VERSION

Version 1.0

Data Dictionary

| Data file | Cases | Variables |
|--|-------|-----------|
| 00_mapping_hh_com This dataset contains the household ID in the released household listing microdata and the community ID of the interviewed communities | 0 | 2 |
| 1_Identification_ano This dataset contains the administrative identification data as well as the agricultural activities (crop, livestock, agro-processing) and other activities and events data of the communities. | 0 | 331 |
| 2_Respondents_ano This anonymized dataset contains the administrative identification data of the interviewed communities, and demographic characteristics of focal persons who were respondents of the community questionnaire. | 0 | 24 |
| 3_c2q6_Electricity_ano This anonymized dataset contains the administrative identification data of the interviewed communities, sources and working condition of electricity used in the community. | 0 | 6 |
| 4_c2c_Market_Access_ano This anonymized dataset contains the administrative identification data of the interviewed communities, agricultural activities in the community and access to markets to sell agricultural production. | 0 | 7 |
| 5_c2d_input_support_ano This anonymized dataset contains the administrative identification data of the interviewed communities, access to agricultural inputs, services and credit in the community. | 0 | 7 |
| 6_c2e_conflicts_ano This anonymized dataset contains the administrative identification data of the interviewed communities, and conflicts (occasional and frequently experienced) in the community. | 0 | 6 |
| 7_c4b_Disaster_ano This anonymized dataset contains the administrative identification data of the interviewed communities, natural extreme disasters and events experienced by the communities in the past three years, frequency of occurrence and the impact in the community. | 0 | 25 |
| 8_c5_Community_info_ano This anonymized dataset contains the administrative identification data of the interviewed communities, the communal infrastructures, access and distance of these infrastructures to the community. | 0 | 15 |
| 9_c6_Community_org_ano This anonymized dataset contains the administrative identification data of the interviewed communities, and the organizations/groups that exist in the community. | 0 | 10 |
| 10_c7_Community_Res_ano This anonymized dataset contains the administrative identification data of the interviewed communities, the communal resources and how the resources are managed. | 0 | 21 |
| 11_c8a_plots_ano This anonymized dataset contains the administrative identification data of the interviewed communities, and the proportion of the community with access to the community plots. | 0 | 7 |
| 12_c8b_loan_ano This anonymized dataset contains the administrative identification data of the interviewed communities, loan collateral and access to the loans. | 0 | 7 |
| 13_c9_EVENTS_ano This anonymized dataset contains the administrative identification data of the interviewed communities, and community events that occurred in the past three (3) years. | 0 | 10 |
| 14_FARM_LABOUR_MALE_ano This anonymized dataset contains the administrative identification data of the interviewed communities, and labour activities carried out in male owned farms in the community. | 0 | 11 |

15 LABOR ACTIVITIES MALE ano

| | | |
|---|---|----|
| This anonymed dataset contains the administrative identification data of the interviewed communities, and labour activities carried out in male owned farms in the community. | 0 | 12 |
|---|---|----|

16 FARM LABOUR FEMALE ano

| | | |
|---|---|----|
| This anonymized dataset contains the administrative identification data of the interviewed communities, and labour activities carried out in female owned farms in the community. | 0 | 11 |
|---|---|----|

17 LABOR ACTIVITIES FEMALE ano

| | | |
|---|---|----|
| This anonymized dataset contains the administrative identification data of the interviewed communities, and labour activities carried out in female owned farms in the community. | 0 | 12 |
|---|---|----|