

Nigeria - National Agricultural Sample Census Pilot (Private Farmer) Crop-2007

National Bureau of Statistics

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Identification

SURVEY ID NUMBER

NGA_2007_NASC-CROP-R2_v01_EN_M_v01_A_ESS

TITLE

National Agricultural Sample Census Pilot (Private Farmer) Crop-2007

COUNTRY

Name	Country code
Nigeria	NGA

STUDY TYPE

Agricultural Census [ag/census]

ABSTRACT

The programme for the World Census of Agriculture 2000 is the eighth in the series for promoting a global approach to agricultural census taking. The first and second programmes were sponsored by the International Institute for Agriculture (IITA) in 1930 and 1940. Subsequent ones up to 1990 were promoted by the Food and Agriculture Organization of the United Nations (FAO). FAO recommends that each country should conduct at least one agricultural census in each census programme decade and its programme for the World Census of Agriculture 2000 for instance corresponds to agricultural census to be undertaken during the decade 1996 to 2005. Many countries do not have sufficient resources for conducting an agricultural census. It therefore became an acceptable practice since 1960 to conduct agricultural census on sample basis for those countries lacking the resources required for a complete enumeration.

In Nigeria's case, a combination of complete enumeration and sample enumeration is adopted whereby the rural (peasant) holdings are covered on sample basis while the modern holdings are covered on complete enumeration. The project named "National Agricultural Sample Census" derives from this practice. Nigeria through the National Agricultural Sample Census (NASC) participated in the 1970's, 1980's, 1990's programmes of the World Census of Agriculture. Nigeria failed to conduct the Agricultural Census in 2003/2004 because of lack of funding. The NBS regular annual agriculture surveys since 1996 had been epileptic and many years of backlog of data set are still unprocessed. The baseline agricultural data is yet to be updated while the annual regular surveys suffered set back. There is an urgent need by the governments (Federal, State, LGA), sector agencies, FAO and other International Organizations to come together to undertake the agricultural census exercise which is long overdue. The conduct of 2006/2008 National Agricultural Sample Census Survey is now on course with the pilot exercise carried out in the third quarter of 2007.

The National Agricultural Sample Census (NASC) 2006/08 is imperative to the strengthening of the weak agricultural data in Nigeria. The project is phased into three sub-projects for ease of implementation; the Pilot Survey, Modern Agricultural Holding and the Main Census. It commenced in the third quarter of 2006 and to terminate in the first quarter of 2008. The pilot survey was implemented collaboratively by National Bureau of Statistics.

The main objective of the pilot survey was to test the adequacy of the survey instruments, equipments and administration of questionnaires, data processing arrangement and report writing. The pilot survey conducted in July 2007 covered the two NBS survey system-the National Integrated Survey of Households (NISH) and National Integrated Survey of Establishment (NISE). The survey instruments were designed to be applied using the two survey systems while the use of Geographic Positioning System (GPS) was introduced as additional new tool for implementing the project.

The Stakeholders workshop held at Kaduna on 21st-23rd May 2007 was one of the initial bench marks for the take off of the pilot survey. The pilot survey implementation started with the first level training (training of trainers) at the NBS headquarters between 13th - 15th June 2007. The second level training for all levels of field personnels was implemented at headquarters of the twelve (12) concerned states between 2nd - 6th July 2007. The field work of the pilot survey commenced on the 9th July and ended on the 13th of July 07. The IMPSS and SPSS were the statistical packages used to develop the data entry programme.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Household crop farmers

Scope

NOTES

The scope covered in this pilot exercise included;

- Holding identification
- Holding characteristics
- Access to land
- Access to credit and funds used
- Production input utilization, quantity and cost
- Sources of input/equipment
- Area harvested
- Agric machinery
- Production
- Farm expenditure
- Processing facilities
- Storage facilities
- Employment in agriculture
- Farm expenditure
- Sales
- Consumption
- Market channels

Coverage

GEOGRAPHIC COVERAGE

State

UNIVERSE

Crop farming household

Producers and sponsors

PRIMARY INVESTIGATORS

Name	Affiliation
National Bureau of Statistics	Federal Government of Nigeria

PRODUCERS

Name	Affiliation	Role
Federal Ministry of Agriculture and Rural Development	Federal Government of Nigeria	Collaboration

FUNDING AGENCY/SPONSOR

Name	Abbreviation	Role
Federal Government of Nigeria	FGN	Funding
European Union	EU	Funding
Food and Agriculture Organization	FAO	Funding
United Nations Development Programme	UNDP	Funding
United States Department of Agriculture	USDA	Funding
Department for International Development	DFID	Funding
World Bank	WB	Funding

OTHER IDENTIFICATIONS/ACKNOWLEDGMENTS

Name	Affiliation	Role
Department of Agriculture	Nigerian Universities	Technical support
Farmers Associations	Nigerian Farmers	Technical support

Sampling

SAMPLING PROCEDURE

The survey was carried out in 12 states falling under 6 geo-political zones.

2 states were covered in each geo-political zone.

2 local government areas per selected state were studied.

2 Rural enumeration areas per local government area were covered and

4 Crop farming housing units were systematically selected and canvassed .

DEVIATIONS FROM THE SAMPLE DESIGN

No deviation

RESPONSE RATE

The response rate at EA level was 100 percent, while 98.44 percent was achieved at crop farming housing units level

WEIGHTING

This survey is pilot so we did not attach weights to the data set.

Data Collection

DATES OF DATA COLLECTION

Start	End	Cycle
2007-07-09	2007-07-14	5 Days

DATA COLLECTION MODE

Face-to-face [f2f]

DATA COLLECTION NOTES

Four Enumeration areas were canvassed in each state for data collection. The period of data collection was for five days by four teams made of two enumerators and one supervisor per team. Eight enumerators and four supervisors will do the work in each state selected .Data to be canvassed are household data namely listing, holding questionnaires, (crop, livestock/poultry and fisheries). The objective measurement of the farm using the Global Positioning System was also done. Also the use of our traditional survey forms FS1, FS2 and YCE was also carried out. This was the National Integrated Survey of Household aspect of the survey.

Questionnaires

QUESTIONNAIRES

The NASC crop questionnaire was divided into the following sections:

- Holding identification
- Holding characteristics
- Access to land
- Access to credit and funds used
- Production input utilization, quantity and cost
- Sources of inputs/equipment
- Area harvested
- Agric machinery
- Production
- Farm expenditure

- Processing facilities
- Storage facilities
- Employment in agric.
- Farm expenditure
- Sales
- Consumption
- Market channels
- Livestock farming
- Fish farming

Data Processing

DATA EDITING

The data processing and analysis plan involved five main stages: training of data processing staff; manual editing and coding; development of data entry programme; data entry and editing and tabulation.

Census and Surveys Processing System (CSPRO) software were used for data entry, Statistical Package for Social Sciences (SPSS) and CSPRO for editing and a combination of SPSS, Statistical Analysis Software (SAS) and EXCEL for table generation. The subject-matter specialists and computer personnel from the NBS and CBN implemented the data processing work. Tabulation Plans were equally developed by these officers for their areas and topics covered in the three-survey system used for the exercise.

The data editing is in 2 phases namely manual editing before the data entry were done. This involved using editors at the various zones to manually edit and ensure consistency in the information on the questionnaire. The second editing is the computer editing, this is the cleaning of the already entered data.

The completed questionnaires were collected and edited manually

(a) Office editing and coding were done by the editor using visual control of the questionnaire before data entry

(b) Csprowas used to design the data entry template provided as external resource

(c) Ten operator plus two supervisor and two programmer were used

(d) Ten machines were used for data entry

(e) After data entry data entry supervisor runs frequency on each section to see that all the questionnaire were entered

Data Appraisal

ESTIMATES OF SAMPLING ERROR

No computation of sampling error

DATA APPRAISAL

The Quality Control measures were carried out during the survey, essentially to ensure quality of data.

There were two levels of supervision involving the supervisors at the first level, NBS State Officers and Zonal Controllers at second level and finally the NBS Headquarters staff constituting the second level supervision.

Access policy

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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 breaches 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 Pilot (Private Farmer) Crop-2007-v1.0

ACCESS AUTHORITY

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

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Metadata production

DDI DOCUMENT ID

DDI_NGA_2007_NASC-CROP-R2_v01_EN_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
National Bureau of Statistics	NBS	Federal Government of Nigeria	Data Producer
Statistics Division	ESS	Food and Agriculture Organization	Metadata adapted for FAM

DDI DOCUMENT VERSION

NGA_2007_NASC-CROP-R2_v01_EN_M_v01_A_ESS_v01

Data Dictionary

Data file	Cases	Variables
Area and Production	936	57
Consumption 1st qrt	325	16
Consumption 2nd qrt	367	16
Consumption 3rd qrt	391	16
Consumption 4th qrt	320	16
Employee Persons Engaged	677	22
Farm Input and Quantity	522	15
Funds by Sources	189	29
Holding-Information	189	19
Holding-Membership	189	16
Market Channel	177	13
Machinery Equipment	133	12
Other Farm Activities	624	12
Own Processing Utilization	3	11
Own Processing	223	11
Own Storage	154	11
Post Harvest Loss	172	17
Problem Suggestion way and It	188	77
Sales Farmgate 1st qrt	40	16
Sales Farmgate 2nd qrt	17	16
Sales Farmgate 3rd qrt	21	16
Sales Farmgate 4th qrt	22	16
Sales Open Market 1st qrt	234	16
Sales Open Market 2nd qrt	170	16
Sales Open Market 3rd qrt	196	16
Sales Open Market 4th qrt	195	16
Size of Rented	23	11
Size of Tenure	212	11
Sources of Input Equipment	780	15
Type of Land	189	11