

# Nigeria - National Agricultural Sample Census Pilot (Private Farmer) Livestock and Poultry-2007

**National Bureau of Statistics**

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## Identification

### SURVEY ID NUMBER

NGA\_2007\_NASC-LIVESTOCK POULTRY-R2\_v01\_EN\_M\_v01\_A\_ESS

### TITLE

National Agricultural Sample Census Pilot (Private Farmer) Livestock and Poultry-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

Households who are rearing livestock or kept poultry

## Scope

### NOTES

The scope covered in this pilot exercise included;

- Type of livestock/poultry
- Sources of livestock/poultry inputs
- Sales of livestock/poultry
- Access to funds
- Employment by gender
- Dairy products
- Weather conditions etc.

## Coverage

### GEOGRAPHIC COVERAGE

State

### UNIVERSE

Livestock or poultry 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
Food and Agriculture Organization	FAO	Funding
United States Department of Agriculture	USDA	Funding
Department for International Development	DFID	Funding
World Bank	WB	Funding
European Union	EU	Funding

## 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

3 Livestock/poultry 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 99.3 percent was recorded at housing units level.

#### WEIGHTING

This survey is pilot so we did not attach weight 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. 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.

The second part of the survey was establishment based and data collected was on Modern Agricultural Holding Survey on crop livestock/poultry fisheries and forestry.

#### DATA COLLECTORS

Name	Abbreviation	Affiliation
National Bureau of Statistics	NBS	Federal Government of Nigeria(FGN)

## Questionnaires

#### QUESTIONNAIRES

The NASC livestock and poultry questionnaire was divided into the following sections:

- Identification/description of holdings
- Funds, employment and earnings/wages
- Livestock
- Poultry
- Fixed assets
- Sales
- Stock
- Subsidy

## 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

### 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 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) Livestock/Poultry-2007-v1.0

### ACCESS AUTHORITY

Name	Affiliation	Email	URL
National Bureau of Statistics (NBS)	Federal Government of Nigeria (FGN)	feedback@nigerianstat.gov.ng	<a href="#">Link</a>

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DISCLAIMER

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## Metadata production

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DDI DOCUMENT ID

DDI-NGA\_2007\_NASC-LIVESTOCK POULTRY-R2\_v01\_EN\_M\_v01\_A\_ESS\_FAO

PRODUCERS

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

DATE OF METADATA PRODUCTION

2009-10-21

DDI DOCUMENT VERSION

NGA\_2007\_NASC-LIVESTOCK POULTRY-R2\_v01\_EN\_M\_v01\_A\_ESS\_v01

## Data Dictionary

Data file	Cases	Variables
<b>Do you get subsidy</b> Section for those who get subsidy on losses in livestock/poultry household	143	10
<b>Export Produce</b> Section on the household that do export there livestock/poultry	143	10
<b>Government assistance</b> Section on ways that government can assist the household Credit Grazing land Input Infrastructure Others (specify)	142	14
<b>Current livestock farming season with the previous one</b> Section on Current livestock farming season with the previous one in livestock/poultry household	138	13
<b>Employment</b> Section contains the employment of persons in the livestock/poultry household	211	14
<b>Expectations for livestock activities in the next farming season</b> Section on Expectations for livestock/poultry activities in the next farming season in livestock/poultry household	139	13
<b>Sources of funds</b> Section on sources of fund in livestock/poultry household	138	11
<b>Access to any of the following ICT facilities</b> Section on Access to any of the ICT facilities in livestock/poultry household	143	16
<b>Identification</b> Section contains the identification of the holders in the livestock/poultry household Zone State LGA. Sector (Urban or Rural) E.A RIC. HU No. HH No. Master sample household no. Age of holder No. of holders in H/H Highest level of education attained Serial No. of this holding Relationship to the head of HH Name of holder Size of holder's HH Sex of holder.	143	18
<b>Input Utilization Livestock</b> Section contains the input utilization of livestock in the household	163	15
<b>Input Utilization Poultry</b> Section contains the input utilization of poultry the household	82	15

**Type of Livestock**

Section contains the type of livestock kept in the household

Cattle

Goat

Sheep

Pig

Camel

Donkey

Horse

Dog

Rabbit

Other animals (specify) .....

1371 11

**Changes in Stock (Livestock) qtr1**

Section contains the Changes in Stock (Livestock) for 1st qtr of livestock household

181 16

**Changes in Stock (Livestock) qtr2**

Section contains the Changes in Stock (Livestock) for 2nd qtr of livestock household

178 16

**Changes in Stock (Livestock) qtr3**

Section contains the Changes in Stock (Livestock) for 3rd qtr of livestock household

182 16

**Changes in Stock (Livestock) qtr4**

Section contains the Changes in Stock (Livestock) for 4th qtr of livestock household

181 16

**Losses suffer Poultry Bird Flu**

Section on losses of bird that suffer bird flu in poultry household

25 12

**Do you own any of the following ICT facilities**

Section on those who own any of the ICT facilities in livestock/poultry household

143 16

**Pests Livestock Diseases**

Section on livestock that suffer diseases of pests in livestock household

143 10

**Poultry Input**

Section contains the poultry input in the poultry household

100 16

**Sales of Poultry Dairy**

Section on sales of poultry dairy in household

12 18

**Changes in Stock Poultry 2 qtr**

Section contains the Changes in Stock (poultry) for 1st qtr of poultry household

139 16

**Changes in Stock Poultry 3 qtr**

Section contains the Changes in Stock (poultry) for 1st qtr of poultry household

140 16

**Purchasing Inputs Problem**

Problem of purchasing input in livestock/poultry household

142 17

**Processing Facilities**

Section on processing facilities in livestock/poultry household

141 14

**Production Processing Problem**

Section on problem of production processing in livestock/poultry household

143 18

**Processing and Storage Problem**

Section on problem of processing and storage in livestock/poultry household

138 14

**Purchasing tools Problem**

Section on problem of purchasing tools in livestock/poultry household

143 17

**Sales of Produce**

Section on sales of produce in livestock/poultry household

141 15

**Sales of Livestock**

Section on sales of livestock in household

99 18

**Sales of Poultry**

Section on sales of poultry in household

87 18

<b>Suffer Poultry Bird Flu</b> Section on bird that suffer bird flu in poultry household	118	10
<b>Suggestion</b> Section on suggestion for the problems in livestock/poultry household	143	16
<b>Preservation Method</b> Section on preservation method used in livestock/poultry household	140	14
<b>Type of Poultry Kept</b> Section contains the type of poultry kept in the poultry household. Chicken Birds etc.	1128	11
<b>Loses Sufer Livestock Diseases</b> Section on loses of livestock that suffer diseases of pests in livestock household	35	13
<b>Changes in Stock Poultry 4 qtr</b> Section contains the Changes in Stock (poultry) for 1st qtr of poultry household	141	16
<b>Changes in Stock Poultry 1 qtr</b> Section contains the Changes in Stock (poultry) for 1st qtr the poultry household	29	14