

Senegal - Annual Agricultural Survey 2007-2008

Directorate of Analysis, Forecasting and Statistics

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Overview

Identification

ID NUMBER

SEN_2007-2008_AAS_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

The Directorate of Analysis, Forecasting and Statistics (DAPS) is responsible, among other functions, for collecting, centralizing, processing and disseminating information on agricultural statistics. These responsibilities are ensured in conjunction with other directorates, services and parastatals of the ministry.

In this context, an Annual Agricultural Survey (AAS) is organized in all regions of the country, to obtain structural and economic data. The survey, implemented by the Statistics, Documentation and Agricultural Information Division, consists of measuring the crop plots for a given crop year. The measuring instruments are compass, milestones, metric tape, programmable calculator and GPS. The plot area is expressed in hectares. Other information on sowing dates, types of distribution, types of crops are also collected.

KIND OF DATA

Sample survey data [ssd]

UNITS OF ANALYSIS

Agricultural holdings

Scope

NOTES

1. Identification
2. Topography list/summary
3. Planted crops and their characteristics
4. Cultural/farming practices on the plot

KEYWORDS

Agriculture, Area, Parcel, Hectare, Farming

Coverage

GEOGRAPHIC COVERAGE

National coverage.

UNIVERSE

All agricultural households

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Directorate of Analysis, Forecasting and Statistics	Ministry of Agriculture and Food Security

FUNDING

Name	Abbreviation	Role
Government of Senegal		Staff and local funding

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
Agricultural Statistics, Documentation and Information Division	DSDIA	Directorate of Analysis, Forecasting and Statistics	Project manager

DDI DOCUMENT VERSION

SEN_2007-2008_AAS_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID

DDI_SEN_2007-2008_AAS_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

The agricultural survey was based on a sample of 3000 agricultural holdings drawn from the sampling frame of the agricultural census of 1997. A probabilistic two-stage sampling method was applied for the survey, with Census Districts (CD) as primary units, and agricultural holdings as secondary units.

The statistical universe is made up of the district at the level of which the survey units (farms) are drawn up and the extrapolation calculations of the data collected.

Deviations from Sample Design

There are replacement procedures in case a drawn household has moved or has no holding.

Response Rate

Response rate is 98%.

Weighting

In each region, the total estimate is obtained thus:

$$\text{Total area} = (M / n) * y$$

Where;

M is the total number of agricultural households

n is the sample of the households

y is the total area of the sampled households per crop

Questionnaires

No content available

Data Collection

Data Collection Dates

Start	End	Cycle
2007-07-01	2007-09-30	N/A

Data Collection Mode

Face-to-face paper [f2f]

Data Processing

Data Editing

Clearance of questionnaire/data collected

The computer processing of the Q5 questionnaire on areas under crops required a verification, control and clearance phase. It consisted in checking for all departments or strata the completeness of census districts and sample households, correcting errors and inconsistencies made at the level of data collection in the field or at the level of questionnaire entry. The clearance program designed using the SPSS software consisted mainly of cleaning the file from the data entry and checking certain variables of the Q5 questionnaire such as plot area, number of crops, crop code, and sowing period. Some of the checks carried out include:

Plot area:

- To check that area is not zero. In fact, it can happen that on some sheets the area has not been calculated. In this case, the data entry agent will recalculate the area.
- Also, all crops where the area exceeds 10 hectares were checked. In very rare cases, the data entry agent may record an area larger than the one on the questionnaire. The correction is made after drawing and checking the listings.
- Also, all the plots where the area is less than 100 acres were selected and checked, in order to correct all the plots where the interviewer did not put 4 digits after the decimal point.

Number of crops present on the plot:

- Checks were also done to see whether the number of crops is in line with the number of crop codes recorded. This then makes it possible to assign the actual area of each plot to the crops grown in association.

Data Appraisal

Other forms of Data Appraisal

Field checks are carried out by the Departmental Agricultural Service, Regional Directorate, as well as, the central level.