

# Suriname - Agricultural Census, 2008

**Ministry of Agriculture, Animal Husbandry and Fisheries (MAAHF)**

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# Overview

## Identification

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ID NUMBER

SUR\_2008\_AC\_v01\_EN\_M\_v01\_A\_OCS

## Overview

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KIND OF DATA

Census/enumeration data [cen]

UNITS OF ANALYSIS

Households

## Scope

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NOTES

The scope of the study includes:

Identification and general characteristics of holding

Demographic, characteristics of holder and holder's household members 10 years and over

Employment hired (excl. Household members), and nationality

Tenure, size and land use

Annual crops and area

Semi-permanent crops and area

Permanent crops and area

Irrigation

Use of fertilizers and pesticides

Crops harvested and sold in 2008

Method of disposal of crops, farm waste and drainage water in 2008

Livestock large & small ruminants, pigs, poultry and bees

Aquaculture

Ornamentals, area, number of plants, harvest and sale

Machinery and equipment, tenure, etc.

Agricultural services: credit and extension service

Problems with regard to the holding

TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	
Food (production, crisis)	FAO	
Land (policy, resource management)	FAO	
Labor	FAO	
Water	FAO	
Access to Finance	FAO	

## Coverage

### GEOGRAPHIC COVERAGE

National coverage

### UNIVERSE

The statistical unit was the agricultural holding, defined as a technical and economic production unit consisting of one or more land parcels, including non-productive land, independent of titles to the land, which is located in one or several places and wholly or partly used or intended for agriculture (crops, animal husbandry) and aquaculture under the responsibility of one person (physical or legal) or responsibility jointly with others. The types of holdings distinguished in the census were: (i) holdings in the household sector (family business, including partnership between two or more households); and (ii) holdings in the non-household sector (company, government, institution/organization, other).

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Ministry of Agriculture, Animal Husbandry and Fisheries (MAAHF)	

### OTHER PRODUCER(S)

Name	Affiliation	Role
Division of Agricultural Statistics		Technical assistance
Food and Agriculture Organization		Technical assistance

### FUNDING

Name	Abbreviation	Role
Government of the Netherlands		Funding

## Metadata Production

### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Adoption of metadata for FAM
Census team, Statistics Division	ESS	Food and Agriculture Organization	Metadata producer

### DDI DOCUMENT VERSION

SUR\_2008\_AC\_v01\_EN\_M\_v01\_A\_OCS\_v01

### DDI DOCUMENT ID

DDI\_SUR\_2008\_AC\_v01\_EN\_M\_v01\_A\_OCS\_FAO

# Sampling

## Sampling Procedure

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### (a) Frame

The Population and Housing Census (PHC) 2004 was the frame for the sampling surveys (Interior and Greater Paramaribo), and the frame used to check for coverage in the Coastal Area, where a complete enumeration exercise was performed. The enumerators and supervisors visited more than 100 000 households, of which approximately 10 234 qualified as agricultural holdings, according to the threshold criteria.

### (b) Methodology

The Census of Agriculture was carried out on basis of complete enumeration in the Coastal Area, where the vast majority of agricultural holdings is located. Sample surveys were implemented for the Greater Paramaribo Area (District Paramaribo) because of the low intensity of agricultural activities and for the Interior (Districts Sipaliwini and Brokopondo and partially Marowijne), because of considerations of the enormous geographical spread of small size holdings and difficulties to reach all areas. Different designs were used for these two areas. For the rural area of the capital Paramaribo a random sample of 10% of Enumeration Blocks from the population census was drawn. For the Interior (rural inland of Suriname) a stratified sampling design was adopted. The total universe of villages was divided in three strata:

- Stratum 1: villages with more than 1000 inhabitants (from the population census);
- Stratum 2: border villages with 1000 or less inhabitants (from the population census);
- Stratum 3: the rest of villages.

A complete enumeration exercise (sample rate of 100%) was performed in strata 1 and 2. A sample of about 10% was selected from stratum 3.

### (c) Sample design

For the rural area of the capital Paramaribo, a random sample of 10 percent of the Enumeration Blocks from the PHC was drawn, because of the low intensity of agricultural activities. For the Interior, a stratified sampling design was adopted, because of the considerations of the enormous geographical spread of small size holdings and difficult accessibility of the areas in the mentioned districts.

# Questionnaires

## Overview

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Two main forms were used for the AC 2008 data collection:

- (i) the screening form (AC-1)
- (ii) the AC questionnaire (AC-2)

The AC 2008 covered all 16 core items recommended to be collected in the 2010 WCA round, namely:

- 0001 Identification and location of agricultural holding
- 0002+ Legal status of agricultural holder
- 0003 Sex of agricultural holder
- 0004 Age of agricultural holder
- 0005 Household size
- 0006 Main purpose of production of the holding
- 0007 Area of holding according to land use types
- 0008 Total area of holding
- 0009 Land tenure types on the holding
- 0010 Presence of irrigation on the holding
- 0011 Types of temporary crops on the holding
- 0012 Types of permanent crops on the holding and whether in compact plantation
- 0013 Number of animals on the holding for each livestock type
- 0014 Presence of aquaculture on the holding
- 0015+ Presence of forest and other wooded land on the holding
- 0016 Other economic production activities of the holding's enterprise

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2008-11-01	2008-11-30	Coastal Area
2009-02-01	2009-02-28	Greater Paramaribo

### Data Collection Mode

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Face-to-face [f2f]

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## Data Processing

### Data Editing

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#### (a) DATA PROCESSING AND ARCHIVING

The data capture and processing was carried out using CSPro (version 3.2). Microsoft SQL Server 2005 was used as a database system to store the data files with processed information, and to enable further statistical processing. For data dissemination, SPSS 11.5 was used to generate the tables.

#### (b) CENSUS DATA QUALITY

A PES was conducted. It consisted of a re-enumeration of selected Enumeration Blocks (10 percent of census questionnaires) in the Coastal Area, Paramaribo and the Interior.



## Data Appraisal

No content available