

# Seychelles - Census of Agriculture, 2011

**National Bureau of Statistics (NBS)**

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# Overview

## Identification

### ID NUMBER

SYC\_2011\_CA\_v01\_EN\_M\_v01\_A\_OCS

## Overview

### ABSTRACT

In 1978, an agricultural survey was conducted using the 1977 Census of Population and Housing as the frame. Data was collected over a 15-month period, January 1978 to April 1979. Three strata were identified, namely:

- A comprehensive quarterly postal inquiry to all known large farmers
- A sample survey of small scale-producers of fruits and vegetables for sale
- A sample survey of small scale livestock holders

Actual coverage rates were lower than the design. The response rate of the postal enquiry of large farms declined from 82% at the start of the survey to 68% at the end. Of the 164 small-scale producers selected out of the total of 634, only 127 were enumerated. For livestock, out of 1,547 livestock holders, 106 were selected and 92 enumerated. There was also a supplementary sample of non-farming households set at 250 (Total 3,758) but the achieved sample size was only 144. The actual sample sizes were, therefore, very small casting some doubt as to the reliability of the estimates generated, particularly where these were disaggregated by region. In 1998 a second attempt was made to conduct an agricultural survey to update the 1978 database. This was not particularly successful and only limited, generally qualitative, data was generated. The main weakness was poor response. A report is available as part of its on-going programme on agricultural statistics, the Seychelles Agricultural Agency (SAA) collects data from the main livestock producers, on a regular basis. No regular data collection, however, is undertaken for the small livestock producers. The SAA has a list of registered farmers and crop area and production data is collected from these on an 'ad hoc' basis making the data difficult to analyse and interpret.

### KIND OF DATA

Census/enumeration data [cen]

### UNITS OF ANALYSIS

Households

## Scope

### NOTES

The scope of the study covered topics in agriculture (including fruit and nut trees), labour, marketing, infrastructure and income.

### TOPICS

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

|                    |     |  |
|--------------------|-----|--|
| Forests & Forestry | FAO |  |
| Infrastructure     | FAO |  |
| Water              | FAO |  |

## Coverage

### GEOGRAPHIC COVERAGE

National coverage

### UNIVERSE

The statistical unit was the agricultural holding (farm). Two types of holdings were distinguished: (i) agricultural enterprises (holdings in the non-household sector); and (ii) agricultural households (holdings in the household sector), farming mainly for sale.

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

| Name                                | Affiliation |
|-------------------------------------|-------------|
| National Bureau of Statistics (NBS) |             |

### OTHER PRODUCER(S)

| Name                              | Affiliation | Role                 |
|-----------------------------------|-------------|----------------------|
| National Bureau of Statistics     |             | Technical assistance |
| Food and Agriculture Organization |             | Technical assistance |
| Seychelles Agricultural Agency    |             | Technical assistance |

## 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

SYC\_2011\_CA\_v01\_EN\_M\_v01\_A\_OCS\_v01

### DDI DOCUMENT ID

DDI\_SYC\_2011\_CA\_v01\_EN\_M\_v01\_A\_OCS\_FAO

# Sampling

## Sampling Procedure

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i. Methodological modality for conducting the census

The classical approach was applied in the 2011 CA.

ii. Frame

The CPH 2010, which included an agriculture module, was used to establish the frame for the holdings in the household sector. The SAA provided the frame of large farms and registered farmers. To ensure that the large livestock producers would be included, lists of pig breeders and farms with broilers and/or layers were obtained from the livestock department.

iii. Complete and/or sample enumeration methods

Non-household farms and agricultural households classified as "producing mainly for sale" in the CPH 2010 were covered by complete enumeration. Other farms were subject to sample surveys.

iv. Sample design

This was not applied for the enumeration of farms in the CA 2011.

# Questionnaires

## Overview

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The "household/holding form" was used for CA data collection. It covered the following sections:

Section I - Household composition  
Section II - Purpose of growing crops  
Section III - Household agricultural income and credit  
Section IV - Livestock and other animals  
Section V - Number of holdings and method of operation  
Section VI - Parcel details  
Section VII - Fruit/nuts/other tree crops  
Section VIII - Vegetables and other temporary crops  
Section IX - Labour inputs  
Section X - Marketing  
Section XI - Use of fertilizers and agricultural chemicals  
Section XII - Equipment owned and hired/borrowed  
Section XIII - Irrigation  
Section XIV - Infrastructure  
Section XV - Area not cultivable  
Section XVI - Other economic activities of the holding

The CA 2011 questionnaire covered 13 of the 16 core items recommended for the WCA 2010 round. Items not covered were : (i) "Household size"; (ii) "Presence of aquaculture on the holding"; and (iii) "Presence of forests and other woodland on the holding".

## Data Collection

### Data Collection Dates

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| Start      | End        | Cycle |
|------------|------------|-------|
| 2010-08-16 | 2010-08-31 | N/A   |

### Data Collection Mode

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Face-to-face [f2f]

### Questionnaires

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## Data Processing

### Data Editing

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Manual data entry was used to enter census data.

## Data Appraisal

### **Other forms of Data Appraisal**

#### DATA DISSEMINATION:

The census results were released through printed reports, the NBS website, and a dissemination workshop with stakeholders. The census report includes thematic maps illustrating the distribution of farms, the land area under agricultural activities and livestock counts by district.