

# Costa Rica - National Agricultural Census, 2014

**National Institute of Statistics and Censuses (INEC)**

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# Overview

## Identification

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### ID NUMBER

CRI\_2014\_NAC\_v01\_EN\_M\_v01\_A\_OCS

## Overview

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### ABSTRACT

The NAC is a large-scale statistical investigation conducted periodically to collect, process and disseminate data on the structure of the agricultural sector.

### Objectives:

The general Objective of the VI National Agricultural Census Provide the country with basic, reliable information and significant on the agricultural reality, which allows strengthening its technical capacity to formulate plans, programs and development instruments, studies and policy analysis that tend to improve efficiency and effectiveness in the management of one of the sectors of greatest contribution to the national economy and the welfare of the population.

### Specific Objectives

1. Collect, process, analyse, publish and disseminate census information on the agricultural sector.
2. Strengthen the technical and operational capacity of agricultural sector institutions to plan, organize and implement agricultural censuses and surveys.
3. Obtain the databases that allow for the updating of the sampling frameworks used for the collection of continuous agricultural surveys and for conducting intercensal statistical research.
4. Increase the levels of participation through adequate encouragement, both of technical and administrative staff of the participating institutions and of users, to achieve better training and use of the sector's information.

### KIND OF DATA

Census/enumeration data [cen]

### UNITS OF ANALYSIS

Households

## Scope

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### NOTES

The scope of the study includes:

- I. Location of the farm
- II. General characteristics of the producer and the farm
- III. Land holding at the time of the understanding
- IV. Land use up to date of entitlement
- V. Agricultural activities
- VI. Livestock activities

## VII. Agricultural practices

## VIII. Labour

## IX. Machinery, equipment and infrastructure

## X. Agricultural services

## TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	
Land (policy, resource management)	FAO	
Livestock	FAO	
Labor	FAO	
Infrastructure	FAO	

## Coverage

## GEOGRAPHIC COVERAGE

National coverage

## UNIVERSE

The statistical unit for the NAC 2014 was the agricultural farm, defined as "any land area, dedicated totally or partially to agricultural production for sale or self-consumption, managed by a household, society, company, public institution or other, whose tasks may be coordinated or directly accomplished by a person or with the help of others, and whose activities are carried out under the same management, by using the same means of production, such as labour, machinery, equipment and work animals". The definition of agricultural holdings includes aquaculture and forestry activities. Therefore, if the holding has only one those activities, it is considered as an agriculture holding. The farm can be constituted by one or more plots, under property or under other type of tenure, and may be located together or separately from one another, in the same canton or in different cantons. It includes family gardens, hydroponics and organoponics agricultural systems. The agricultural producer is the individual or legal entity that assumes full economic responsibility in the management of the farm and that may or may not have technical functions; it may manage the farm personally or exercise this function through another person who administers it.

## Producers and Sponsors

## PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Institute of Statistics and Censuses (INEC)	

## OTHER PRODUCER(S)

Name	Affiliation	Role
Executive Secretariat for Agricultural Sector Planning		Technical assistance
Ministry of Agriculture and Livestock		Technical assistance
Central Bank		Technical assistance

## FUNDING

Name	Abbreviation	Role
Food and Agriculture Organization	FAO	Funding
the Inter-American Institute for Cooperation on Agriculture	IICA	Funding

## Metadata Production

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### 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

CRI\_2014\_NAC\_v01\_EN\_M\_v01\_A\_OCS\_v01

### DDI DOCUMENT ID

DDI\_CRI\_2014\_NAC\_v01\_EN\_M\_v01\_A\_OCS\_FAO

# Sampling

## Sampling Procedure

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i. Methodological modality for conducting the census

The NAC 2014 used the classical approach.

ii. Frame

Data from the Ministry of Agriculture and Livestock were a source for the agricultural census frame. The cartography of the National Population and Housing Census 2011 was used for the NAC 2014.

iii. Complete and/or sample enumeration methods

The complete enumeration method was used for the NAC 2014.

# Questionnaires

## Overview

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A single questionnaire was applied to collect all census information. Compared to the previous NAC, the NAC 2014 collected new items, such as data on irrigation and drainage practices, agricultural practices, agricultural equipment and infrastructure, agricultural support services, and variables related to food security and the environment. The sixth NAC covered 15 of the 16 core items recommended in the WCA 2010. The item "Other economic production activities of the holding's enterprise" was not covered.

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2014-06-02	2014-06-30	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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#### 1. DATA PROCESSING AND ARCHIVING

Data entry was done by scanning the questionnaires. The data processing programme was developed by INEC using C# and CSPRO. A designing, processing and analysis team supported this process. Microsoft SQL Server was used as a database management system. Census data were exported using SPSS.

#### 2. CENSUS DATA QUALITY

To ensure quality in the design and preparation of the census, several field tests in different parts of the country were carried out, including the 2013 pilot agricultural census, in which the following were evaluated: the functionality of the census questionnaire, the productivity of the enumerator during the interview, the communication strategy, etc.



# Data Appraisal

No content available