

# Peru - National Agricultural Survey 2016

**National Institute of Statistics and Informatics, National Directorate of Censuses and Surveys**

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# Overview

## Identification

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### ID NUMBER

PER\_2016\_ENA\_v01\_EN\_M\_v01\_A\_OCS

## Overview

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### ABSTRACT

The National Institute of Statistics and Informatics (INEI), the governing body of the National Statistical System, in a strategic alliance with the Ministry of Economy and Finance (MEF) and in coordination with the Ministry of Agriculture and Irrigation (MINAGRI), executed for the third consecutive time the National Agricultural Survey (ENA), in the 24 regions of the country.

The National Agricultural Survey 2016 is a statistical research that will have the fundamental purpose of generating updated information for the construction of indicators that will facilitate the follow-up and evaluation of the different budgetary programs, within the framework of a results-based budget, that the Ministry of Economy and Finance has been implementing in the public sector. In this way, it will contribute to the design and orientation of public policies for the improvement of the living conditions of agricultural producers.

The survey had the following objectives:

#### General objectives:

- Estimate land uses, planted area, harvested area, production and yield of the main transitory and permanent crops, milk production and livestock inventory in regions of the national territory.
- Generate information for the construction of indicators of the agricultural sector, within the framework of a results-based budget, that allow for the continuous evaluation of the evolution of said indicators and contribute to the design and orientation of public policies for the improvement of the living conditions of the population.

#### Specific objectives:

- Identify and quantify land use (land uses).
- Estimate the planted area of the transitory and permanent crops.
- Estimate the harvested area, production and yield of the main crops, at the regional level.
- Produce information that supports the estimation of the gross value of agricultural production.
- Determine the national livestock inventory.
- Identify the primary destinations of production, marketing channels and points of sale.
- Determine the percentage of agricultural producers that carry out adequate agricultural and livestock practices.
- Obtain information from agricultural producers who carry out an appropriate sowing orientation.
- Determine the percentage of agricultural producers who have carried out soil analysis and received technical assistance to implement the results of said analysis in the last three years.
- Determine the percentage of agricultural producers who were trained in water quality standards for irrigation in the last three years.
- Determine the percentage of agricultural producers who have received technical assistance on the installation and management of pastures and apply it, in the last three years.
- Determine the percentage of agricultural producers who have been trained in pasture installation and management in the last three years.

- Obtain the percentage of agricultural producers that apply technical irrigation.
- Estimate the agricultural area with technical irrigation.
- Determine the percentage of agricultural producers informed on safety issues.
- Determine the percentage increase in the annual average value of sales of small agricultural producers.
- Determine the percentage increase in the average gross annual profit of the sales of small producers.
- Determine the percentage of agricultural producers organized and managing their organizations business.
- Percentage of small agricultural producers and organizations that access storage infrastructure and equipment for marketing.
- Investigate and estimate other study variables.

#### KIND OF DATA

Sample survey data [ssd]

#### UNITS OF ANALYSIS

Agricultural holdings

## Scope

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#### NOTES

The description of the scope includes:

1. Characteristics of the agricultural holding
2. Crop area - planting and harvesting
3. Agricultural practices
4. Livestock production
5. Good livestock practices
6. Food safety
7. Agricultural extension services
8. Organization/Association membership
9. Access to financial services
10. Production costs
11. Socio-economic characteristics of household

#### KEYWORDS

Agricultural holding, Plot, Agricultural producer, Agricultural practices, Livestock activity, Food safety, Enumeration area, Agricultural district

## Coverage

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#### GEOGRAPHIC COVERAGE

National Coverage

## UNIVERSE

The survey covers all the agricultural units of the country with less than 50 ha and the agricultural units that are agricultural or farming enterprises.

## Producers and Sponsors

## PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Institute of Statistics and Informatics	Government of Peru
National Directorate of Censuses and Surveys	National Institute of Statistics and Informatics

## OTHER PRODUCER(S)

Name	Affiliation	Role
Ministry of Agriculture and Irrigation	Government of Peru	Technical Assistance
Ministry of Economy and Finance	Government of Peru	Technical Assistance

## FUNDING

Name	Abbreviation	Role
Ministry of Economic and Financing	MEF	Financing

## Metadata Production

## METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
National Institute of Statistics and Informatics	INEI	Government of Peru	
National Directorate of Censuses and Surveys	DNCE	National Institute of Statistics and Informatics	Statistical research producer
Research and Development Centre	CIDE	National Institute of Statistics and Informatics	Documentation, review and validation of the metadata

## DDI DOCUMENT VERSION

PER\_2016\_ENA\_v01\_EN\_M\_v01\_A\_OCS\_v01

## DDI DOCUMENT ID

DDI\_PER\_2016\_ENA\_v01\_EN\_M\_v01\_A\_OCS\_FAO

# Sampling

## Sampling Procedure

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The basic sampling framework for the selection of the survey sample is constituted by the statistical information of the master framework of agricultural units, using information from the IV National Agricultural Census 2012 (IV CENAGRO 2012).

The total sample of the National Agricultural Survey is 30,710 agricultural units, comprising of 29,218 agricultural units for medium and small producers; and 1,492 agricultural units for large agricultural producers (special stratum).

## Deviations from Sample Design

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In the National Agricultural Survey 2016, out of a total of 2,260,973 agricultural units programmed, 2,244,679 are small and medium and 16,294 belong to the large units (enterprises, individuals, poultry farms, farms, stables, among others).

The sample executed was 30,710 of which 29,218 are small and medium agricultural units and 1,492 belong to the large units.

## Response Rate

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1. The non-response rate of small and medium agricultural units is 0.61%.

- The non-response rate of small and medium agricultural units in the coastal region is 0.63%
- The non-response rate of small and medium medium agricultural units in the sierra region is 0.50%
- The non-response rate of small and medium agricultural units in the jungle region is 0.91%

2. The non-response rate of large agricultural units is 0.58%.

## Questionnaires

No content available

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2016-05-15	2016-10-31	N/A

### Data Collection Mode

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Computer Assisted Personal Interview [capi]

## Data Processing

### Data Editing

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The use of mobile technology to capture data online, ensured basic consistency of information and possible corrections in a timely manner. Also, the use of GPS for measuring the surface of the plots, helped to guarantee the correct location of the interviewers in the field and served as a mechanism of supervision and control.

The methodological documents of the survey were also validated; including questionnaires, manuals and auxiliary documents, in coordination with the technical areas of the Ministry of Agriculture and Irrigation (MINAGRI) and the Ministry of Economy and Finance (MEF). The collection instruments were further validated through pilot tests.

Quality control procedures (re-interview application, face-to-face supervision application, coverage monitoring, information quality monitoring, online consistency reports, mainly) were also applied in the field in order to ensure the quality of the information collected, especially of the main variables, such as: agricultural activity, number of plots, area, production, yields, among others.

Other tasks were also performed. They include:

1. Development of an integrated data entry system, which contained all the modules (segmentation, monitoring, data transfer, basic consistency checks, and reporting modules).
2. Analysis of the information: This task consists of evaluating, identifying and correcting errors and omissions in the variables of the database, as a result of processing, to obtain a consistent and reliable data for the generation of indicators. This task was carried out by the national supervisor and was monitored by a team installed in the data processing and methodology area at the headquarters.
3. Elaboration and analysis of quality indicators: Through the monitoring and data entry system, product indicators were generated, after the information had been consolidated.
4. Export of data to SPSS or STATA format: Finally, an export module was created which allowed the database to be exported to SPSS or STATA format.



## Data Appraisal

No content available