

Argentina - Agricultural Census 2018

Ministry of Treasury of Argentina (Ministerio de Economía), National Institute of Statistics and Censuses (INDEC, Instituto Nacional de Estadística y Censos)

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Identification

SURVEY ID NUMBER

ARG_2018_CNA_v01_M_v01_A_ESS

TITLE

Agricultural Census 2018

TRANSLATED TITLE

Censo Nacional Agropecuario 2018

COUNTRY

Name	Country code
Argentina	ARG

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The first agricultural census in Argentina was conducted in 1888. Since then, twelve censuses were carried out in 1895, 1908, 1914, 1930, 1947, 1952, 1960, 1969, 1988, 2002, 2008 and 2018. The Agricultural Census 2018 is the thirteenth agricultural census conducted in the country.

ABSTRACT

The Agricultural Census (Censo Nacional Agropecuario) 2018 is a large-scale statistical operation to collect high-quality data on the country's structure of agriculture. This data is necessary to understand the agricultural sector's dynamics and to support the design of public policies.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

The census scope covered agricultural (crops and livestock) and forestry activities.

The questionnaire collected information on:

1. Information on the producer and the agricultural holding
2. Land Use
3. Agricultural Practices: crops, grasslands, forests, and woodlands
4. Animal production
5. Infrastructure and machinery
6. Residents and workers

KEYWORDS

Keyword
Structure of Agriculture
Land use
Crops
Livestock and Poultry
Labor in the Agricultural Sector

Forestry

Coverage

GEOGRAPHIC COVERAGE

The Agricultural Census 2018 covered the entire country.

UNIVERSE

The statistical unit for the Agricultural Census 2018 was the agricultural holding (explotación agropecuaria or EAP), defined as "the organizational unit of agricultural production with at least 500 m² within a single province, regardless of the number of parcels (non-contiguous lands) that:

- produces crop, livestock or forestry goods for marketing
- has a management that manages the functions and assumes the risks associated with production activities
- utilizes in all its parcels the same production means and part of the same labor"

Agricultural holdings comprised both holdings in household and non-household sectors.

Agricultural holdings with total area less than 500 m² (0.05 ha) were excluded.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Treasury of Argentina (Ministerio de Economía), National Institute of Statistics and Censuses (INDEC, Instituto Nacional de Estadística y Censos)

Sampling

SAMPLING PROCEDURE

For the purposes of the census, the National Institute of Statistics and Censuses (INDEC, Instituto Nacional de Estadística y Censos) cartography team divided the territory of each province into census "fractions" and then into "radios". Radio was the smallest unit, which was classified into three types: rural, urban, and mixed (rural and urban). This division was fundamentally linked to the population census.

Census radios classified as rural and mixed were covered by the census; urban areas were excluded. In some provinces, rural radios (located in mountainous areas, deserts, lake areas) considered lacking in agricultural production were excluded. In this way, the census framework covered by Agricultural Census 2018 was established.

The census was conducted using complete enumeration.

Data collection

DATES OF DATA COLLECTION

Start	End
2018-09-15	2019-03-31

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The census fieldwork involved 24 provincial coordinators (one in every province and one in the autonomous city of Buenos Aires), 83 zone bosses, 83 auxiliaries (assistants), 476 supervisors and 2791 enumerators.

****QUALITY ASSURANCE****

A mobile application containing four interrelated application modules was realized to fully integrate all the tools of the census operation, namely: news registration module; geographic module (based on the cartographic material); questionnaire module (for data capture) with six thematic sections; and specific questionnaires module. This application led to an improvement in data quality and a reduction in the time between data collection and analysis. The application was also articulated with a computerized management system that allowed the administration, monitoring, and control of the field operations.

Questionnaires

QUESTIONNAIRES

Data was collected using a single electronic questionnaire, consisting of several parts and sections. The Agricultural Census 2018 covered 22 out of 23 essential items recommended in the WCA 2020.

Data Processing

DATA EDITING

Some internal consistency issues remained after data processing; therefore, an additional check was performed for each surveyed farm by analyzing the internal coherence of the key data with respect to control variables and total values with respect to the partial values that composed them.

The data correction system was realized with a free license software, accessible through user authentication with password, and it also served as a license-free data repository. This system was implemented with web tools and accessed through an Internet browser. The system was not publicly accessible, rather access was restricted to the internal network of the National Institute of Statistics and Censuses. In 2020, the staff reconciled final census data. However, due to the COVID-19 pandemic, the publication of the final census report was rescheduled to April 2021.

**** DATA PROCESSING NOTES****

Data collection through tablets allowed partial validation and instant data cleaning, which also reduced the time spent on data processing. Responses were checked to ensure they followed the questionnaire's internal logic. In the survey, the mobile device required compliance with some consistency and completeness rules.

Access policy

CONTACTS

Name	Affiliation	Email	URL
National Institute of Statistics and Censuses (INDEC, Instituto Nacional de Estadística y Censos)	Ministry of Treasury of Argentina (Ministerio de Economía)	pgallo@indec.mecon.gov.ar, cplat@indec.mecon.gov.ar	Link

ACCESS CONDITIONS

For data access and use information please contact the National Institute of Statistics and Censuses of Argentina.

Email: pgallo@indec.mecon.gov.ar, cplat@indec.mecon.gov.ar

Website: <https://www.indec.gob.ar/indec/web/Nivel4-Tema-3-8-87>

Metadata production

DDI DOCUMENT ID

DDI_ARG_2018_CNA_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
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National Institute of Statistics and Censuses (Instituto Nacional de Estadística y Censos)	INDEC	Ministry of Treasury of Argentina (Ministerio de Economía)	Metadata producer
Statistics Division	ESS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM

Data Dictionary

Data file	Cases	Variables
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