

Timor-Leste - Agriculture Census 2019

**Ministry of Finance (Ministério das Finanças), General Directorate of Statistics
(Direção Geral de Estatísticas), Ministry of Agriculture, Forestry and Fisheries
(Ministério da Agricultura e Pescas)**

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Identification

SURVEY ID NUMBER

TLS_2019_CA_v01_M_v01_A_ESS

TITLE

Agriculture Census 2019

TRANSLATED TITLE

Censo Agrícola de 2019

COUNTRY

Name	Country code
Timor-Leste	TLS

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The Agriculture Census 2019 was the first census of agriculture conducted in Timor-Leste as an independent country. The Agriculture Census 2019 was a comprehensive statistical operation undertaken for the collection and compilation of information on crop cultivation, raising of livestock and poultry, and fisheries and aquaculture activities.

ABSTRACT

The Agriculture Census 2019 collected information from farm households, farm institutions, and Suco chiefs that provides a detailed portrait of Timor-Leste's agriculture sector. It was a comprehensive statistical undertaking for the collection and compilation of information on crop cultivation, raising of livestock and poultry, and fishing and aquaculture activities. The data collected and generated from this census provides necessary evidence for the formulation of plans, policies and programs to develop and improve the agriculture and fisheries sectors in Timor-Leste.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

The census scope covered agricultural activities (crops and livestock), fisheries and aquaculture activities.

The questionnaire collected information on:

1. Identification and location
2. Household demographic and economic information
3. Involvement of households in agriculture and/or subsectors activities
4. Irrigation
5. Agricultural practices
6. Involvement of households in livestock
7. Involvement of households in fisheries and aquaculture
8. Use of machinery and equipment
9. Labour (other than household members)
10. Income/revenue of all sectors
11. Involvement of households in other sectors for income
12. Closing interview

KEYWORDS

Keyword

Structure of Agriculture
Land use
Crops
Livestock and Poultry
Labour in the Agricultural Sector
Aquaculture
Fishery

Coverage

GEOGRAPHIC COVERAGE

The Agriculture Census 2019 covered all households in the country including both rural and urban areas along with the non-household institutional farms operated by a corporation (company), religious or non-profit organization (e.g., church, trust), cooperative/community (group activity), or government.

UNIVERSE

The statistical unit for the census was the agricultural holding defined as an economic unit under single management.

The census covered holdings that met at least one of the following minimum criteria:

- 200 square metres (0.02 ha) of land used wholly or partly for agricultural production
- 2 large livestock
- 3 small livestock
- 10 poultry

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Finance (Ministério das Finanças), General Directorate of Statistics (Direção Geral de Estatísticas)
Ministry of Agriculture, Forestry and Fisheries (Ministério da Agricultura e Pescas)

PRODUCERS

Name	Role
Food and Agriculture Organization of the United Nations	Technical assistance

Sampling

SAMPLING PROCEDURE

The list of enumeration areas (2283 EAs) used in the Agriculture Census 2019 was that of the Population and Housing Census 2015. An EA was an area defined as delimited by natural or artificial boundaries (river, seaside, road, etc.), containing approximately 90 households on average.

The census was carried out as a complete enumeration of all holdings in the frame meeting the threshold requirements.

Considering the limited knowledge of farmers about the precise area of their holdings and parcels, the census sampled a subset of the holdings to measure parcel and plot areas using GPS devices using a Circular Systematic Sampling (CSS) methodology. A sampling rate of 20 percent was applied in each EA - systematically selecting one in every five households involved in agriculture.

Data collection

DATES OF DATA COLLECTION

Start	End
2019-08-12	2019-10-12

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The census activities involved 1293 enumerators, 646 GPS (Global Positioning System) takers, and 646 supervisors.

Data collection was conducted primarily through CAPI (tablets), while GPS devices were used to measure a sample of parcel and plot areas. Paper questionnaires were prepared and used in exceptional circumstances, with the data later transferred in the CAPI application at the municipality level.

****QUALITY ASSURANCE****

For quality assurance, several steps were taken starting from the planning stage to the data dissemination. These steps included preparation of the frame, pre-testing of questionnaires, pilot exercise, field scrutiny manual, training, field scrutiny programme, supervision of field work to minimize non-sampling errors, data processing, tabulation, comparison of internal data with external sources.

Questionnaires

QUESTIONNAIRES

The Agriculture Census 2019 utilized three questionnaires in both the household and institutional sectors:

- Form 1, Listing Form: Collected information on the location and involvement of households and institutions in agriculture or aquaculture activities.
- Form 2, Detailed Information on the Agricultural Holding: Collected information on the location, the respondent, and the agricultural holding.
- Form 3, Suco (village) Questionnaire: Collected information at village level on soil types, main topographical features, incidence of calamity or disaster, presence of agro-processing equipment, machinery and facilities, mode of transport, availability of schools, communication facilities, health organizations.

The census questionnaires covered 22 out of the 23 essential items recommended in the WCA 2020.

Data Processing

DATA EDITING

After completion of data collection in each EA; the data collected in CAPI was transferred directly from the field to the General Directorate of Statistics through the CSEntry mobile application to the CSWeb server. During the process, a report was generated to enable the Census Office to monitor the progress and coverage of data collection for each EA/suco/sub-municipality/municipality. Data processing was conducted using CPro and STATA software.

Data was cleaned, validated, and processed, and tables were generated according to a pre-coded tabulation plan. Edit specifications and the tabulation plan were developed based on the experience from the pilot census data collection and processing.

Access policy

CONTACTS

Name	Affiliation	Email	URL
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General Directorate of Statistics (Direção Geral de Estatísticas)	Ministry of Finance (Ministério das Finanças)	inetl@mof.gov.tl	Link
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ACCESS CONDITIONS

For additional information on data access and use, please contact the General Directorate of Statistics of Timor-Leste.

E-mail: inetl@mof.gov.tl

Website: <https://inetl-ip.gov.tl/>

Metadata production

DDI DOCUMENT ID

DDI_TLS_2019_CA_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
General Directorate of Statistics (Direção Geral de Estatísticas)		Ministry of Finance (Ministério das Finanças)	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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