

Agricultural and Fisheries Census 2019-2020

National Statistical Institute (INE, Instituto Nacional de Estadística)

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Identification

SURVEY ID NUMBER

AGO_2020_RAPP_v01_M_v01_A_ESS

TITLE

Agricultural and Fisheries Census 2019-2020

ABBREVIATION OR ACRONYM

RAPP 2020

TRANSLATED TITLE

Recenseamento Agro-Pecuário e Pescas 2019-2020

COUNTRY

Name	Country code
Angola	AGO

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The Agricultural and Fisheries Census (RAPP, Recenseamento Agro-Pecuário e Pescas) 2019-2020 was the first census conducted in the country since independence. During the colonial period from the early 1960s to the 1970s, both a census (conducted between 1964-1968) and regular national agricultural surveys were carried out through the Agricultural Investigation Mission.

ABSTRACT

The objective of the Agricultural and Fisheries Census 2019-2020 was to collect high-quality and up-to-date statistical information which is necessary to achieve effective governmental economic policy decision-making, formulate sound and realistic development programs, and strategic planning of diversified and intensive efforts in agriculture. Furthermore, information on the agricultural and fisheries sectors of the economy is essential for monitoring the indicators of the Sustainable Development Goals, which cover different aspects of social development, environmental protection, and economic growth.

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.

The agricultural holding questionnaire collected information on:

1. Basic characteristics of family household members
2. Characteristics of the household
3. Crops grown on the farm
4. Land use
5. Agricultural practices, technical assistance, and services
6. Livestock
7. Labor force in the 2019-2020 agricultural season
8. Equipment and tools
9. Fisheries
10. Aquaculture
11. Food security

The listing questionnaire collected information on:

1. Geographical identification
2. Identification of the head of the household
3. Identification of eligible activities in the household
4. Geographical location of the farm
5. Additional information on the household

The community module questionnaire collected information on:

1. Geographical identification
2. Identification of the village representative
3. Basic infrastructure and social services
4. Information on the occurrence of extreme weather events in the village
5. Main difficulties or constraints related to the production, distribution, and marketing of agricultural, livestock, and fishery products
6. Information on field schools
7. Information on farms owned by people who do not reside in the village

KEYWORDS

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

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

The statistical unit was the agricultural holding, defined as an economic unit involved in crops, livestock, forestry or fishing production subject to a single management that includes all the land totally or partially dedicated to agricultural, forestry or fishing purposes and all the animals kept therein, regardless of the title of ownership, legal form or size. Sole management can be exercised by one person, a household, jointly by two or more persons or households, by a clan or a tribe, or by a legal entity such as a company, a cooperative or a public production unit. Holding lands may consist of one or more parcels (lavras), located in one or more separate areas or in one or more territorial or administrative divisions, provided that the parcels share the same means of production such as labour, infrastructure, machinery, or draft animals.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
National Statistical Institute (INE, Instituto Nacional de Estadística)

Sampling

SAMPLING PROCEDURE

The Agricultural and Fisheries Census 2019-2020 used a combination of complete and sample enumeration. Data for holdings in the non-household sector and for villages in the community survey was collected with complete enumeration. Whereas data for holdings in the household sector, namely holdings operated by household members, was collected through sample enumeration.

The frame for the census operations of the household sector used, at the first stage, an updated list of villages in Angola which was complete and had no omissions or duplications. This operation was conducted in close coordination with municipal coordinators and cartographers from the National Statistical Institute.

At the second stage, the frame was created by listing in the field enumeration areas (census sections, or CS, in urban areas or villages in the rural areas) chosen for the sample; and a series of filter questions were asked during the interview to determine eligibility (i.e., only those households with agricultural, forestry, fisheries, and aquaculture activities and not covered by the list of enterprises were eligible). Farm households on the enterprise list were not eligible.

The frame for holdings in the non-household sector was the list provided by the business register of National Statistical Institute, as well as information obtained from the Ministry of Agriculture, the Ministry of Fisheries, and other sources such as provincial association cooperatives.

The sample design for holdings in the household sector was a two-stage stratified sample design. In the first stage, enumeration areas (villages and CS in rural/urban areas), stratified into 164 municipalities, were selected using systematic sampling with probability proportional to the number of producing households.

In the second stage, 20 households were selected from the selected village and CS, using systematic sampling.

To ensure that reliable estimates were produced for each of the 164 strata, a total of 62191 households were selected for enumeration.

A post-stratification adjustment was applied to calibrate weights after non-response adjustments.

Data collection

DATES OF DATA COLLECTION

Start	End
2020-08	2021-10

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

Census operations involved 30 subject matter specialists, 25 IT specialists, 5 cartographers, 32 provincial supervisors, 27 provincial IT specialists, 32 provincial cartographers, 142 team supervisors, 686 enumerators, and 81 communication and awareness staff. The technical commission was coordinated by a technical coordinator, assisted by 2 deputy technical coordinators.

Fieldwork was conducted from August 2020 to October 2021. Due to the COVID-19 pandemic, Angola declared a state of emergency in March 2020 and all activities that required bringing together groups of people were suspended. Training activities resumed in July 2020. The first phase of fieldwork involved the listing of enterprises that was carried out from September to November 2020, and the listing of holdings and community survey in August-October 2020. The second phase (enumeration of holdings in the household sector), which was expected to take place from December 2020, was postponed again to March 2021 and ended in July 2021. The enumeration of the non-household sector took place in August-October 2021.

QUALITY ASSURANCE

Several actions were taken to ensure the quality of the census. A supervision mission by the World Bank was carried out in October 2018 and the methodologies for conducting various components of the census were confirmed. A pilot census was conducted during January and February 2019. During January 2019, a joint mission of the World Bank and the Food and Agriculture Organization of the United Nations (FAO) was carried out to provide technical support for the preparation of the census. A second joint mission, pilot census and one-day workshop were conducted in April 2019.

In July 2019, there was a supervision mission from the World Bank (a senior agricultural census consultant) who worked with the FAO census consultant. In August 2019, a pilot census evaluated the data collection system. During data collection, and to ensure data quality, three control levels were established: team supervisor control, headquarter control, and control of key indicators in a real time application. Sampling errors were calculated using Taylor Linearization for a number of variables at the national, provincial, and municipal level.

Data was collected through the CAPI method using tablets with Survey Solution software. Global Positioning System (GPS) devices were used to measure agricultural areas in six of the 20 sampled holdings and geo-referencing producer households.

questionnaires

QUESTIONNAIRES

The Agricultural and Fisheries Census 2019-2020 used four types of questionnaires:

- Listing questionnaire
- Core module for holdings in the household sector questionnaire
- Core module for holdings in the non-household sector questionnaire
- Community module questionnaire

The questionnaires covered 21 out of 23 essential items recommended in the WCA 2020.

data_processing

DATA EDITING

For the data editing and analysis phase, different teams of technicians were created. The data processing team encoded, recoded, edited, imputed, validated, and tabulated data. During this phase, checks and corrections of sample weights were made to ensure representativeness and good quality estimates. At this stage, calculations of sampling error and additional analyses were carried out. The Result Analysis team analyzed the tables produced in the previous stage and prepared preliminary reports for technical coordination after revision by consultants from FAO. This analysis team worked closely with the Data Processing team under the guidance of the methodology and training subcommittee and FAO consultants. The editing, correction, and validation team edited and corrected the documents and delivered the final reports to technical coordination for validation. R software was used for sample design and creation of real time platforms, while IBM SPSS Statistics software and Excel were used for data processing and analysis.

Access policy

CONTACTS

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ACCESS CONDITIONS

For additional information on data access and use, please contact the National Statistical Institute of Angola.

Email: geral@ine.gov.ao

Website: <https://www.ine.gov.ao/>

Metadata production

DDI DOCUMENT ID

DDI_AGO_2020_RAPP_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Role	Affiliation
National Statistical Institute (Instituto Nacional de Estatística)	INE	Metadata producer	

Statistics Division	ESS	Metadata adapted for FAM	Food and Agriculture Organization of the United Nations
Development Data Group	DECDG	Metadata adapted for World Bank Microdata Library	World Bank Group

DDI DOCUMENT VERSION

Identical to a metadata (AGO_2019_2020_RAPP_v01_M_v01_A_ESS) published on FAO microdata repository (<https://microdata.fao.org/index.php/catalog>). Some of the metadata fields have been edited.

data_dictionary

Data file	Cases	variables
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study_resources

questionnaires

Listing questionnaire

title Listing questionnaire
filename <https://openknowledge.fao.org/handle/20.500.14283/A01723PT>

Agricultural holding questionnaire

title Agricultural holding questionnaire
filename <https://openknowledge.fao.org/handle/20.500.14283/A01724PT>

Community module questionnaire

title Community module questionnaire
filename <https://openknowledge.fao.org/handle/20.500.14283/A01725PT>

reports

Census report 1

title Census report 1
filename <https://openknowledge.fao.org/handle/20.500.14283/A01726PT>

Census report 2

title Census report 2
filename <https://openknowledge.fao.org/handle/20.500.14283/A01727PT>

Census report 3

title Census report 3
filename <https://openknowledge.fao.org/handle/20.500.14283/A01728PT>

Census report 4

title Census report 4
filename <https://openknowledge.fao.org/handle/20.500.14283/A01729PT>

Main results

title Main results
filename <https://openknowledge.fao.org/handle/20.500.14283/A02739EN>

technical_documents

Methodology and instructions 1

title Methodology and instructions 1
filename <https://openknowledge.fao.org/handle/20.500.14283/A01730PT>

Methodology and instructions 2

title Methodology and instructions 2
filename <https://openknowledge.fao.org/handle/20.500.14283/A01731PT>

Methodology and instructions 3

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Methodology and instructions 5

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Methodology and instructions 6

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filename <https://openknowledge.fao.org/handle/20.500.14283/A01735PT>

Methodology and instructions 7

title Methodology and instructions 7
filename <https://openknowledge.fao.org/handle/20.500.14283/A01736PT>
