

Palestine - Agricultural Census 2021

Palestinian Central Bureau of Statistics, Ministry of Agriculture

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Identification

SURVEY ID NUMBER

PSE_2021_AC_v01_M_v01_A_ESS

TITLE

Agricultural Census 2021

TRANSLATED TITLE

التعداد الزراعي 2021

COUNTRY

Name	Country code
Palestine	PSE

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The first Agricultural Census in Palestine was carried out in 2010, the second one in 2021.

ABSTRACT

The objective of the Agricultural Census 2021 is to collect and provide data on the structure of agriculture which can be used as a benchmark for reconciliation of current agricultural statistics, for setting estimates for subsequent years, and for planning and policy making.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

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

The questionnaire collected information on:

1. Identifying information
2. Information on the holder
3. Data on agricultural holdings
4. Land use
5. Crops
6. Livestock
7. Agricultural labor
8. Other economic activities
9. Agricultural machinery and equipment (owned and leased for farmland)
10. Agricultural applications and services

KEYWORDS

Keyword
Structure of Agriculture
Land use
Crops
Livestock and Poultry

Labor in the Agricultural Sector

Coverage

GEOGRAPHIC COVERAGE

The Agricultural Census 2021 covered the entire country (16 Governorates in Gaza Strip and West Bank) with different methodologies in each region.

UNIVERSE

The statistical unit was the agricultural holding, defined as an economic unit of agricultural production under single management comprising all livestock kept and all land used wholly or partly for agricultural production purposes, without regard to title, legal form or size. Single management may be exercised by an individual or household, jointly by two or more individuals or households, by a clan or tribe, or by a juridical person such as a corporation, cooperative or government agency. The holding's land may consist of one or more parcels, located in one or more separate areas or in one or more territorial or administrative divisions, where the parcels must share the same production means, such as labour, farm buildings, and machinery or draught animals. Common grazing lands, public parks, fishing, and all lands that were not included in an agricultural holding, were not included in the census.

The Agricultural Census 2021 considered the following thresholds for agricultural holdings:

- 1 dunum (0.1 ha) of cultivated land
- 0.5 dunum (0.05 ha) of area under protective cover
- 1 head of cattle or camel
- 5 head of sheep, goats or pigs
- 50 chickens or other poultry such as turkeys, ducks, or rabbits or a mixture thereof
- 3 beehives
- Main purpose of production being mainly for sale

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Palestinian Central Bureau of Statistics (الجهاز المركزي للإحصاء الفلسطيني)
Ministry of Agriculture (وزارة الزراعة)

FUNDING AGENCY/SPONSOR

Name
Swiss Agency for Development and Cooperation (Direktion für Entwicklung und Zusammenarbeit)
Spanish Agency for International Development Cooperation (AECID, Agencia Española de Cooperación Internacional para el Desarrollo)
European Union (EU)
German Agency for International Cooperation (GIZ, Deutsche Gesellschaft für Internationale Zusammenarbeit)
Italian Agency for Development Cooperation (Agenzia Italiana per la Cooperazione allo Sviluppo)

Sampling

SAMPLING PROCEDURE

The frame of the Agricultural Census 2021 included a complete record of households and agricultural holdings in the non-household sector. All households were enumerated, and agricultural holdings were identified, in addition to a list of holdings in the non-household sector that was obtained by listing all buildings and comparing with a list obtained from the Ministry of Agriculture which included, among others, cooperative societies/charity societies, companies, government and private holdings to ensure access to all holdings not in the household sector.

The Agricultural Census 2021 was conducted on a complete enumeration basis of holdings in the frame that met the threshold requirements.

Data collection

DATES OF DATA COLLECTION

Start	End
2021-10-01	2022-01-15

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

The Agricultural Census 2021 involved permanent staff from Palestinian Central Bureau of Statistics including 12 committee executive, 7 agricultural statistics specialist, 6 cartographers, 2 IT specialists, 1 sampling and methodology specialist, and the administrative and financial team. Temporary staff participated in the census activities, including 29 managers and assistants of the governorates, 34 supervisors, 820 team leaders and enumerators, 32 technical support staff, 13 administrative assistants, and 6 cartographers.

The basic geographical database, which was one of the outputs of the Population, Housing and Establishments Census 2017, was used in the implementation of the Agricultural Census 2021. It contained all the geographical layers needed to assign enumeration areas to fieldwork teams, support inference, update, monitor, accomplish and disseminate activities, as this base contained all the buildings visited during the census operation with a geographical reference.

Data was collected via CAPI using tablets with special applications with the updated maps of the enumeration areas. Global positioning system (GPS) was used for georeferencing the agricultural holdings and time tracking of field teams.

QUALITY ASSURANCE

Data quality was controlled through procedures implemented at all census stages, including the preparation stage, data processing, and dissemination, to achieve the required efficiency and accuracy. During the preparation stage, two pilot censuses were conducted during 2019 and 2020 to adjust distinct characteristics of the census such as questionnaires, tablets, human and financial resources need, etc. In addition, training programs and methods were evaluated. During the implementation stage, an integrated monitoring tool was implemented to control and monitor fieldwork. Coverage was assessed through a post-enumeration survey carried out from 19 December 2021 to 15 January 2022 based on a sample of four percent of the enumeration areas, amounting to 138 holdings in West Bank and 50 in the Gaza Strip. The census covered 97.3 percent of agricultural holdings.

Questionnaires

QUESTIONNAIRES

Two questionnaires were used in the census, a listing questionnaire to list the agricultural holdings in the household sector, and the agricultural holdings enumeration questionnaire.

The questionnaires covered all essential items recommended in the WCA 2020.

Data Processing

DATA EDITING

Data was examined and cleaned through range checks, valid value checks, and internal consistency based on logical relationships. Data and indicators of the Agricultural Census 2021 were compared to the indicators and data of the previous census, as well as with data from administrative records in the Ministry of Agriculture. A cross tabulation plan was prepared based on the needs of users and the tables published in Agricultural Census 2010, in addition to the recommendations of WCA 2020. SPSS software was used for data processing, analysis and tabulations, and Excel was used in designing tables to facilitate the process of calculation and to produce the final tables.

DATA PROCESSING NOTES

Direct data capture was ensured by the CAPI method. All the applications used were supported with logical checks to locate errors and sent warning messages to enumerators to ensure the accuracy of data collected. Parallel to data collection, the data entered were verified centrally and returned to the field for amendment during data collection.

Access policy

CONTACTS

Name	Email	URL
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ACCESS CONDITIONS

For data access and use information please contact Palestinian Central Bureau of Statistics.

Email: diwan@pcbs.gov.ps; rana@pcbs.gov.ps

Website: <https://www.pcbs.gov.ps/>

Metadata production

DDI DOCUMENT ID

DDI_PSE_2021_AC_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Palestinian Central Bureau of Statistics (الجهاز المركزي للإحصاء الفلسطيني)			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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