

Micronesia (Federated States of) - Integrated Agriculture Census 2016

**Federated States of Micronesia Department of Resources and Development,
Statistics Division,**

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Identification

SURVEY ID NUMBER

FSM_2016_IAC_v01_M_v01_A_ESS

TITLE

Integrated Agriculture Census 2016

COUNTRY

Name	Country code
Micronesia (Federated States of)	FSM

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The Integrated Agriculture Census 2016 was the first dedicated Agriculture Census conducted after the Federated States of Micronesia became a sovereign nation in 1986. Previously, the FSM states were included in a 1969 Agriculture Census carried out by the United State department of Agriculture when FSM was part of the Trust Territory of the Pacific Islands, a United Nations Trust Territory under administration of the United States of America. Limited questions on agriculture were included in the Population and Housing Census 2010.

ABSTRACT

The adoption of the Federated States of Micronesia's (FSM) Agriculture Sector Policy (2012-2016) recognizes the critical importance of the agriculture sector to the FSM economy and the central role it can play in achieving sustained economic growth, trade development and poverty reduction, hence the emphasis for an agriculture census output. The Integrated Agriculture Census 2016 provides a wealth of information that can be used in formulating sound policies and strategic actions in the development of this key sector.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

The scope of the census covered agriculture (crop and livestock production) activities, fisheries, aquaculture, forestry, hunting, and handcraft activities carried out by the households covered by the Integrated Agriculture Census 2016.

The questionnaire collected information on:

1. Demographic profile
2. Activities last week
3. Land
4. Crops
5. Livestock and pets
6. Fisheries
7. Aquaculture
8. Forestry, handicraft, and hunting
9. Equipment
10. Services, barriers, income, and credit

KEYWORDS

Keyword
Structure of Agriculture

Land use
Crops
Livestock and Poultry
Labor in the Agricultural Sector
Fishery
Aquaculture
Forestry
Machinery and Equipment

Coverage

GEOGRAPHIC COVERAGE

The Integrated Agriculture Census 2016 covered the entire country.

UNIVERSE

The statistical unit in the Integrated Agriculture Census 2016 was the agricultural holding, defined as an economic unit of agricultural production under single management. The statistical units for census data collection were the households that had access to land and/or are engaged in agricultural activities, that is, the census covered only the holdings in the household sector.

Agricultural activities carried out by non-private households, i.e., businesses, schools, churches, NGOs, and other non-household holdings, were not covered by the Integrated Agriculture Census 2016. In 2010 about 0.5 percent of occupied households were non-private households, containing about 1.2 percent of the total population (1220 people).

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Federated States of Micronesia Department of Resources and Development, Statistics Division

FUNDING AGENCY/SPONSOR

Name	Role
Government of India	Funding
Food and Agriculture Organization of the United Nations	Funding
Pacific Community (SPC)	Funding

Sampling

SAMPLING PROCEDURE

The Enumeration areas (EAs) for the Integrated Agriculture Census 2016 were based on the EAs defined for the Population and Housing Census (PHC) 2010. The lists of household of the PHC 2010 served as the frame updated with data from the Household Income and Expenditure Survey 2012. Further, enumerators were asked to update the lists during fieldwork activities. There are very few commercial farms in the Federated States of Micronesia, and all were able to be identified through the household survey frame. Other institutional farms (such as church, community, or school farms) were not known, and enumerators were asked to identify them on a separate listing for future research.

The Integrated Agriculture Census 2016 was conducted by complete enumeration.

Data collection

DATES OF DATA COLLECTION

Start	End
2016-07-01	2016-12-31

DATA COLLECTION MODE

Pen and Paper Interview [papi]

DATA COLLECTION NOTES

Fieldwork activities for the Integrated Agriculture Census 2016 involved 710 fieldworkers, including 570 enumerators and 140 supervisors.

****QUALITY ASSURANCE****

Tabulation, and reviews of the data outputs, revealed the following for demographic, land area, crop, livestock, and fishing-related items. For instance, the number of households and total population captured in the Integrated Agriculture Census 2016 was low compared to PHC 2010. The difference was about 15 percent, which could be partly explained by emigration.

The collection of land area data was especially difficult. Since households often did not know the operated land areas, land could be shared among a number of households and operated jointly, boundaries were unclear and, in some places, there were limited official records and land ownership may be disputed.

The area measurement and the conversion of area into acres presented the following. Two variables were used in the tables: UNACRES (acres of owned, not shared land) and SACRES (acres of shared land). However, there was no official documentation of how these variables were obtained nor the methodology used to convert the land area recorded in hectares into acres. Estimates of the total land area used for agriculture were derived from a table that categorized the total area of a household's land used for agriculture (sum of the SACRES and UNACRES variables).

After the census, a follow up Chuuk household listing was carried out using tablets to understand what areas were not accounted for in the census. Data from Chuuk was weighted up by ten percent in the tables. No Post-Enumeration Survey (PES) was carried out to assess census results. For full details please consult the census report available in the downloads tab.

Questionnaires

QUESTIONNAIRES

Data was collected using one questionnaire. The questionnaire covered 18 out of the 23 essentials items recommended in the WCA 2020.

Data Processing

DATA EDITING

Data entry was delayed due to resourcing issues (both human and financial). An initial ten percent of the data was entered in 2017 in the different states, to test the data-entry application and to estimate the entry duration. Data was re-entered after the data-entry application was refined, and the process was completed in 2018. The data entry system was developed using CPro software.

After the data was entered, households' records with incomplete information were edited, and values were imputed for missing key variables. Since this process was conducted two years after the enumeration, it was too late to return to the field for any additional data collection. For areas not included in the census, information from adjacent areas was copied and pasted into its proper place in the geographic hierarchy with the geographical area changed to reflect what should have been there. Under coverage adjustments were used in the state of Chuuk.

Access policy

CONTACTS

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ACCESS CONDITIONS

For additional information on data access and use, please contact the Federated States of Micronesia Department of Resources and Development.

Email: stats@fsmrd.fm

Website: <https://stats.gov.fm/>

Metadata production

DDI DOCUMENT ID

DDI_FSM_2016_IAC_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Statistics Division		Federated States of Micronesia Department of Resources and Development	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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