

# American Samoa - Census of Agriculture 2018

**United States Department of Agriculture (USDA), National Agricultural Statistics  
Service (NASS)**

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## Identification

### SURVEY ID NUMBER

ASM\_2018\_CA\_v01\_M\_v01\_A\_ESS

### TITLE

Census of Agriculture 2018

### COUNTRY

Name	Country code
American Samoa	ASM

### STUDY TYPE

Agricultural Census [ag/census]

### SERIES INFORMATION

The U.S. Bureau of the Census conducted the first Census of Agriculture (CA) in American Samoa in 1920, as part of the decennial Population and Housing Census (PHC). Subsequent agricultural censuses were carried out every ten years. Since 2003, American Samoa was included in the five-year agriculture census program with the exception of 2013. The CA 2018 is the twelfth conducted in the territory.

### ABSTRACT

The 2018 census is the twelfth census of agriculture of American Samoa but only the fourth to be conducted strictly as a census of agriculture. The census includes data on the structure of agricultural land, crops and livestock, farm characteristics, labour as well as production expenses, value of agricultural products, use of technology, and fish and aquaculture. The census of agriculture is the leading source of statistics about American Samoa's agricultural production and the only source of consistent, comparable data at the island level, and the 2018 Census of Agriculture of American Samoa provides data on production and value of agriculture both for sale and for home consumption. The data for home consumption reflect the importance of this sector of agriculture in American Samoa, where a majority of households provide a portion of their food needs through agricultural activities that may fall outside the commercial marketplace. Home consumption data are useful for agencies and organizations estimating total economic output.

### KIND OF DATA

Census/enumeration data [cen]

### UNIT OF ANALYSIS

Agricultural holdings

## Scope

### NOTES

The census scope covered agricultural activities (crop and livestock production) and information on capture fisheries and aquaculture activities carried out by the agricultural holdings.

The questionnaire collected data on:

1. Land in Agriculture
2. Field Crops, Melons, and Vegetables
3. Fruits and Nuts
4. Land use
5. Livestock and Poultry
6. Aquaculture
7. Fish and giant clams
8. Expenses
9. Equipment and facilities
10. Practices

### KEYWORDS

Keyword
Structure of agriculture
Land use
Crops
Livestock and Poultry
Fishery
Aquaculture
Agricultural Equipment and Facilities

## Coverage

### GEOGRAPHIC COVERAGE

The CA 2018 covered the entire territory of American Samoa.

### UNIVERSE

Commercial farms, defined as those with sales of USD 100 or more, and non-commercial farms, which are those with less than USD 100 in sales. The farm was defined as any place that raised or produced any agricultural products for sale or consumption.

Cut-off threshold and other exclusions: No threshold was applied.

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name
United States Department of Agriculture (USDA), National Agricultural Statistics Service (NASS)

### PRODUCERS

Name	Abbreviation	Affiliation	Role
American Samoa Department of Commerce		American Samoa Government	Technical support
American Samoa Department of Agriculture	DA	American Samoa Government	Technical support
Agriculture, Community and Natural Resources Division	ACNR	American Samoa Community College (ASCC)	Technical support

## Sampling

### SAMPLING PROCEDURE

The methodological modality for conducting the Census of Agriculture combined complete and sample enumeration methods. All the commercial farms on the list were enumerated with certainty whereas a sample of households was selected from an electric meter list to represent all operations not on the compiled list. The purpose of the second sample was to efficiently account for farms not on the commercial farm list and to provide an accurate measure of the agricultural activity in American Samoa.

In a final effort to improve coverage in the western district, which is more heavily concentrated with agriculture activity, a phase 2 follow-up was aimed at any household found on the electric meter list.

The frame consisted of a list of commercial farms, compiled by the American Samoa Department of Commerce, in cooperation with the American Samoa Department of Agriculture, and the American Samoa Community College - Land-Grant, and supplemented by an electric meter list of the remaining households.

**WEIGHTING**

All the commercial farms on the list, which were part of the complete enumeration, were enumerated with certainty. The sample of households from the electric meter list were given a weight equal to the inverse of their probability of selection to the sample. The households from the phase two follow-up of any household found on the electric meter list did not receive a sampling weight.

**Data collection****DATES OF DATA COLLECTION**

Start	End
2019-05	2019-10

**DATA COLLECTION MODE**

Paper and Pen Interviewing [papi]

**DATA COLLECTION NOTES**

The CA 2018 in American Samoa employed one project manager, one crew leader/supervisor, and approximately 25 enumerators and they received special training in accordance with instructions prepared by NASS. The training included practice in interviewing and filling out the report form plus detailed discussion of the enumerator's instructions.

Data collection was done by means of traditional face-to-face interviews, and the information was collected in paper forms (PAPI method).

**\*\*QUALITY ASSURANCE\*\***

Quality checks included strict field supervision, clerical screening for farm activity, follow-up of nonrespondents, keying and transmittal of completed report forms, computerized editing of inconsistent and missing data, review and correction of individual records referred from the computer edit, review and correction of tabulated data, and electronic data processing. Ten percent of the captured data was keyed a second time for quality control. If differences existed, an adjudicator handled resolution. This was used to grade the performance of the keyers, who were required to maintain a certain accuracy level or receive additional training. The measured error rate for the entire survey was 0.39 percent.

**Questionnaires****QUESTIONNAIRES**

A single questionnaire (report form) was used for data collection. The questionnaire covered 16 out of the 23 essential items recommended in the WCA 2020.

**Data Processing****DATA EDITING**

The NASS undertook data processing activities. Each report form was reviewed and coded prior to data keying. Report forms not meeting the census definition of "farm" were voided. After review and coding of all report forms, the data were keyed. After the review and keying operations were completed, the electronic files and the report forms were sent to Washington, D.C., where the data were subjected to a thorough computer edit. The corrected data was then tabulated by the computer and reviewed by analysts.

**\*\*DATA PROCESSING NOTES\*\***

Questionnaires collected using the PAPI method were scanned. Optical mark recognition (OMR) was used to capture categorical responses and to identify the other answer zones in which some type of mark was present.

**Data Appraisal****ESTIMATES OF SAMPLING ERROR**

In CA 2018, efforts were made to measure the error associated with the adjustments for farm operations that were on the

list of farm operators, but did not respond to the census report form. This error measurement was developed from the standard error of the estimates at the island level, where appropriate, and we expressed as coefficient of variation (CV). Every estimate has a corresponding CV published with it.

## Access policy

### CONTACTS

Name	Affiliation	Email	URL
Department of Agriculture	American Samoa Government	americansamoagovernment@gmail.com	<a href="#">Link</a>
National Agricultural Statistics Service (NASS)	United States Department of Agriculture (USDA)	nass@nass.usda.gov	<a href="#">Link</a>

### ACCESS CONDITIONS

Access and use information is set by National Agricultural Statistics Service, Department of Agriculture:  
- <https://catalog.data.gov/dataset/quick-stats-agricultural-database>

### \*\*DATA AND METADATA ARCHIVING\*\*

Completed report forms were automatically checked in by scanning devices that identified each case by the bar code in the address label of the form. The report forms were then scanned to create images used for data keying. Data from each report was subjected to a detailed computer edit.

## Metadata production

### DDI DOCUMENT ID

DDI\_ASM\_2018\_CA\_v01\_M\_v01\_A\_ESS\_FAO

### PRODUCERS

Name	Abbreviation	Affiliation	Role
Department of Agriculture		American Samoa Government	Metadata producer
National Agricultural Statistics Service	NASS	United States Department of Agriculture (USDA)	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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