

Niue - Census of Agriculture 2021

Ministry of Natural Resources of Niue, Department of Agriculture, Forestry and Fisheries (DAFF)

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Identification

SURVEY ID NUMBER
NIU_2021_CA_v01_M_v01_A_ESS

TITLE
Census of Agriculture 2021

COUNTRY

Name	Country code
Niue	NIU

STUDY TYPE
Agricultural Census [ag/census]

SERIES INFORMATION
The first Census of Agriculture in Niue was conducted in 1989, the second in 2009, and the third in 2021.

ABSTRACT
The Census of Agriculture is the principal means of collecting key agricultural statistics in Niue, and it is part of an integrated program of data collection and compilation aimed at providing a comprehensive source of statistical information for agricultural purposes, as well as for research, businesses and other uses, in addition to the usual statistical uses. The Census of Agriculture provides a snapshot of agriculture in a country and an opportunity to identify trends or structural breaks in the sector as well as possible areas for intervention. Census data are used as a basis or benchmark for current statistics, planning and policy purposes.

KIND OF DATA
Census/enumeration data [cen]

UNIT OF ANALYSIS
Agricultural holdings

Scope

NOTES
The census scope covered agricultural (crops and livestock) production, and capture fisheries activities.

The Institutional Holdings questionnaire collected data on:

1. Workers' detail
2. Level of agricultural activity of the institutional holding
3. Livestock and poultry
4. Land operated by the holding
5. Crops
6. Agricultural support
7. Equipment used by the holding for agricultural activities

The Agricultural Households questionnaire collected data on:

1. Household composition
2. Food insecurity experience scale (fies)
3. Level of agricultural activity of the household
4. Livestock, poultry and domestic animals
5. Fisheries
6. Hunting
7. Land operated exclusively by the household
8. Crops
9. Labour input
10. Households agricultural support
11. Equipment used by the household for agricultural activities

KEYWORDS

Keyword
Structure of agriculture
Land use
Crops
Livestock and poultry
Fisheries
Hunting
Agricultural labour

Coverage

GEOGRAPHIC COVERAGE

The Census of Agriculture 2021 covered the entire country.

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. The holding's land may consist of one or more parcels, located in one or more separate areas. Two types of agricultural holdings were considered:

- Households
- Institutional holdings

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Natural Resources of Niue, Department of Agriculture, Forestry and Fisheries (DAFF)

PRODUCERS

Name	Role
Niue Statistics Office	Technical support

Sampling

SAMPLING PROCEDURE

Each village in Niue was divided into enumeration areas (EAs). EA maps and household lists for each EA were provided by the Department of Justice, Lands, and Survey, and these were updated during the enumeration, so that all households in the country were covered at the time of the census. The household updating process involved identifying changes in the households living in an existing house, vacant/demolished houses, and new houses constructed since 2017. The final updating of the household lists was carried out by staff from the Niue Statistics Office and the enumerators in July 2021.

The Census of Agriculture 2021 was conducted using complete enumeration.

Data collection

DATES OF DATA COLLECTION

Start	End
2021-08-01	2021-11-13

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

DATA COLLECTION NOTES

In the Census of Agriculture 2021, data was collected through CAPI using tablets with the Survey Solutions software for both the household and institutional questionnaires. In a few cases, paper questionnaires were also used to collect the data.

The fieldwork involved 15 enumerators, 2 field supervisors, 2 office staff, and 1 cartographer. The IT and data processing specialists, as well as a subject matter specialist were consultants from the Food and Agriculture Organization of the United Nations.

****QUALITY ASSURANCE****

A pilot census was carried out in selected villages to test the clarity of the questions, the methods of data collection, the effectiveness of the training program for field staff, the completeness of the instruction manuals, the duration of the interview per household and the depth of understanding of the questionnaire by the enumerators.

A small set of tables were produced using data from the pilot census to evaluate the census instruments, quality of data and tabulation software. The results of the pilot census were utilized to make further improvements in the census instruments including the data processing system. There was complete response from all households due to re-visits by enumerators and senior officials of the Department of Agriculture, Forestry and Fisheries (DAFF) to households that refused to answer.

A Post-enumeration Survey (PES) was conducted from 1 to 13 November 2021 in a sample of 1 household from each of the 14 villages, to evaluate coverage and response quality of selected questions.

Questionnaires

QUESTIONNAIRES

Two questionnaires were used in the Census of Agriculture 2021:

- household questionnaire
- institution questionnaire

The questionnaires covered 20 out of 23 essential items recommended in the WCA 2020.

Data Processing

DATA EDITING

Once a questionnaire was received on the server, two CAPI supervisors logged into the interface and reviewed each case received from the field. Cases were reviewed for outliers, enumerator comments, and completeness. In reviewing each case, the CAPI supervisor approved or rejected the case. If the case was approved, it was stored in the final database. If a case was rejected, it was returned to the enumerator along with supervisor's comments for correction. After this, the checking process was repeated until the case was approved. Upon completion of fieldwork, additional data cleaning checks were performed, including coding of open end (other specify) questions, and numeric outlier checks. Data corrections were made as a result of these checks, and a final clean dataset was produced in SPSS and Excel format. Data was tabulated using SPSS, and quality control was conducted on them, checking the balance of values, noting any missing values, etc., before being finalized.

****DATA PROCESSING NOTES****

CAPI method ensured direct data capture. A comprehensive array of data validation checks was incorporated into the CAPI data collection system to help enumerators identify possible errors/outliers in the data reported. This was done as the responses were recorded so that enumerators could correct the data on the spot. After an interview was completed by an interviewer in the field, it was synchronized using mobile internet to the data server.

Access policy

CONTACTS

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Niue Statistics Office		statsniue@mail.gov.nu	Link

ACCESS CONDITIONS

For data access and use information, please contact the Department of Agriculture, Forestry and Fisheries (DAFF) or Niue Statistics Office.

Email: DAFF@mail.gov.nu, statsniue@mail.gov.nu

Website: <https://www.gov.nu/>, <https://niuestatistics.nu/about-us/>

Metadata production

DDI DOCUMENT ID

DDI_NIU_2021_CA_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Department of Agriculture, Forestry and Fisheries	DAFF	Ministry of Natural Resources of Niue	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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