

# New Zealand - Agricultural Production Census 2017

**New Zealand Government, Statistics New Zealand**

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## Identification

### SURVEY ID NUMBER

NZL\_2017\_APC\_v01\_M\_v01\_A\_ESS

### TITLE

Agricultural Production Census 2017

### COUNTRY

Name	Country code
New Zealand	NZL

### STUDY TYPE

Agricultural Census [ag/census]

### SERIES INFORMATION

New Zealand has participated in the World Census of Agriculture Programme since the 1930 round. From 1955-1956 until 1987, a full postal agricultural census was conducted annually. Full censuses were also conducted in 1990 and 1994. Thereafter, quinquennial censuses were conducted in 2002, 2007, 2012 and 2017.

### ABSTRACT

The aim of the Agricultural Production Census 2017 was to collect information about livestock farming, crop growing, fruit, vegetables, wine grapes, forestry and farm practices. The collected agricultural data contributes to the compilation of National Accounts.

### KIND OF DATA

Census/enumeration data [cen]

### UNIT OF ANALYSIS

Agricultural holdings

## Scope

### NOTES

The census scope covered all businesses engaged in livestock, crops, horticulture and forestry production activities, or that owned land intended for those activities during the year ending 30 June 2017.

The questionnaire collected data on:

1. Location and land details
2. Land use
3. Forestry
4. Livestock including poultry
5. Supplementary feed crops
6. Grain and seed crops
7. Farm practices
8. Cultivation and direct drilling
9. Pasture renewal

### KEYWORDS

Keyword
Structure of agriculture
Land use
Crops
Livestock and poultry

Forestry

## Coverage

### GEOGRAPHIC COVERAGE

The Agricultural Production Census 2017 covered the entire country.

### UNIVERSE

The following statistical units were defined for the Agricultural Production Census 2017:

- Kind-of-activity unit (KAU): business or part of a business that engages in only one kind of productive activity or in which the principal productive activity accounts for most of the value added.
- Enterprise unit: the overall business or organization.
- Unit of interest: the unit whose data was collected. It comprises "one or more blocks of land, managed as a single operation, which is engaged in agricultural or forestry production as a primary or secondary activity". For approximately 99 percent of the population, the unit of interest equates to the KAU. The remainder, specifically enterprises owning and/or managing more than one "unit of interest", were identified prior to posting the questionnaires. The former enterprises were contacted to determine the best way for them to provide Statistics New Zealand with the survey information required that could both minimize respondent burden and avoid duplication.

Cut-off threshold and other exclusions:

Only holdings listed in the Business Register maintained by Statistics New Zealand were considered. The Business Register, which lists the country's businesses based on their registration for Goods and Services Tax (GST) with the Inland Revenue Department, includes the following units engaged in livestock, crops, horticulture and forestry activities:

- units registered for the GST and filing a non-zero GST return that have indicated involvement in an agricultural activity
- businesses with more than NZD 30 000 of GST sales or purchases, or that are an employer having a main activity other than agriculture but that has indicated some secondary agricultural activity

The compulsory registration level for GST is NZD 60 000 so there is a partial and unquantifiable coverage of units below this level.

## Producers and sponsors

### PRIMARY INVESTIGATORS

Name
New Zealand Government, Statistics New Zealand

### PRODUCERS

Name	Abbreviation
Ministry for Primary Industries	New Zealand Government

## Sampling

### SAMPLING PROCEDURE

The frame included all units that were identified on the Business Register maintained by Statistics New Zealand as having an agricultural activity. The Agricultural Production Census 2017 was based on a complete enumeration of the agricultural businesses registered for GST.

### RESPONSE RATE

The proportion of eligible businesses that responded to the Agricultural Production Census 2017 for the final release was 85.5 percent. These businesses represent 88.3 percent of the total estimated value of agricultural operations.

## Data collection

### DATES OF DATA COLLECTION

Start	End
2017-07-01	2018-05-07

### DATA COLLECTION MODE

Mail Questionnaire [mail]

### DATA COLLECTION NOTES

The Agricultural Production Census 2017 was a postal survey (mail-out/mail-back). The concerned farmers and growers were asked to complete and return questionnaires within 14 days of receipt. A complete return was requested for anyone carrying out farming, horticultural or forestry activities.

Census operations involved 24 office staff: ten processors, eight data collectors, four analysts, one IT and one supervisor.

## Questionnaires

### QUESTIONNAIRES

Data was collected using one questionnaire which covered 11 out of the 23 essential items recommended in the WCA 2020.

## Data Processing

### DATA EDITING

Data collection was done with online forms and paper forms suitable for optical scanning. Values were imputed for holdings whose questionnaires were not returned or completed. The method of imputation for missing data was random hot deck imputation. Data with high imputation levels were suppressed and were indicated by "S" in the tables.

The published information maintained the confidentiality of individual respondents, and it was implemented using an input perturbation method, which involved adding noise to data at an individual farm level.

## Access policy

### CONTACTS

Name	Affiliation	Email	URL
Statistics New Zealand	New Zealand Government	info@stats.govt.nz	<a href="#">Link</a>

### ACCESS CONDITIONS

The data request procedure and the data request form are available at "Apply to use microdata for research" at <https://www.stats.govt.nz/integrated-data/apply-to-use-microdata-for-research/>.

For additional information on data access and use, please contact the Statistics New Zealand.

Email: [info@stats.govt.nz](mailto:info@stats.govt.nz)

Website: <https://www.stats.govt.nz>

## Metadata production

### DDI DOCUMENT ID

DDI\_NZL\_2017\_APC\_v01\_M\_v01\_A\_ESS\_FAO

### PRODUCERS

<b>Name</b>	<b>Abbreviation</b>	<b>Affiliation</b>	<b>Role</b>
Statistics New Zealand		New Zealand Government	Metadata producer
Statistics Division	ESS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM

**Data Dictionary**

<b>Data file</b>	<b>Cases</b>	<b>Variables</b>
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