



Agricultural Production Census: June 2017 (Final)

Table of Contents

Agricultural Production Census: June 2017 (Final)	3
Agricultural Production Census: June 2017 (Final)	3
Methodology	3

Agricultural Production Census: June 2017 (Final)

Agricultural Production Census: June 2017 (Final)

Methodology

Period-specific information

Survey information

This release contains final results for key livestock, forestry, horticultural, and arable crops from the 2017 Agricultural Production Census.

These final figures will be available at a regional level.

The 2017 census was part of the current programme of agricultural production statistics that started in 2002. Previous censuses were held in 2002, 2007, and 2012, with annual sample surveys in 2003–06, 2008–11, and 2013–16.

Responses from farmers and foresters in the 2017 Agricultural Production Census resulted in an estimated eligible population of 52,300 geographic locations.

2017 questionnaire changes (from 2016)

Horticulture – in 2017, we included questions on the area of fruit trees and vines planted, and the area of vegetables and other horticulture crops harvested.

Farm Practices- in 2017, we included questions on irrigated area of the farm and systems used, effluent management system used on the farm, and main components for fertilisers

2017 imputation levels

Imputation levels for the 2017 Agricultural Production Census

Description	% of total estimate imputed
Ewe hoggets put to ram	13
Breeding ewes (2-tooth and over) put to ram	13
Total sheep	13
Lambs born to ewe hoggets	12
Lambs born to ewes	13
Total lambs	13
Dairy cows and heifers, in milk or calf	19
Total dairy cattle	19
Calves born alive to dairy heifers/cows	20
Beef cows and heifers in calf (age 1–2 years)	12

Description	% of total estimate imputed
Beef cows and heifers in calf (aged 2 years and over)	12
Total beef cattle	13
Calves born alive to beef heifers/cows	13
Female deer mated	8
Total deer	9
Fawns born on the farm	8
Area of new forestry plantings (hectares)	23
Area of forestry replantings (hectares)	3
Exotic timber harvested (hectares)	4
Exotic timber harvested (cubic metres)	3
Wheat tonnage harvested	8
Wheat area harvested (hectares)	8
Barley tonnage harvested	10
Barley area harvested (hectares)	10
Maize grain tonnage harvested	12
Maize grain area harvested (hectares)	12
Kiwifruit	9
Wine grapes	8
Apples	6
Avocados	10
Blackcurrants	6
Cherries	8
Fresh/process peas	7
Onions	3
Sweet corn	3
Squash	1
Potatoes	7

Response rates

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

General information

About the estimates

Figures in this release are rounded. We calculate all percentages in this release using unrounded figures. The figures from the agricultural production surveys may differ from those produced from other sources, such as the National Exotic Forestry Description Survey produced by the Ministry for Primary Industries, the Stock Number Survey from Beef and Lamb New Zealand Limited, and Dairy Statistics from Livestock Improvement Corporation Limited. These surveys use different survey frames and designs.

Population frame

The agricultural production surveys include all units identified on Statistics NZ's Business Register as having agricultural activity. The Business Register is a list of businesses in New Zealand, based on their registration for goods and services tax (GST) with Inland Revenue.

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

Survey population

The survey population for the agricultural production surveys is all businesses engaged in 'agricultural production activity' (including livestock, cropping, horticulture, and forestry), or which own land intended for agricultural activity. The survey population includes businesses engaged in agriculture or forestry production as a secondary activity.

Industries in scope

The survey population specifically includes businesses classified to the following ANZSIC06 codes:

- A01 Agriculture
- A0301 Forestry (excluding native forestry).

It also includes parts of:

- L671200 Non-residential property operators
- M691000 Scientific research services (agriculture-related research that involves land holding (excluding universities))
- P802300 Combined primary and secondary education (agricultural high school operation)
- P802400 Special school education (special needs education involving agricultural production activity)
- P810200 Higher education (agriculture-related research undertaken by universities that involves land holding)
- R912100 Horse and dog racing administration and track operation
- R912900 Other horse and dog racing activities (racehorse training and racing stables operations)
- R892200 Nature reserves and conservation parks operation.

The survey population specifically excludes:

- A019300 Beekeeping
- part of A019900 Other livestock farming nec (worm farming, pet breeding, dog breeding, cat breeding, bird breeding (except poultry, game birds, ostriches, and emus))
- A017100 Poultry meat (except growers who also produce eggs for human consumption).

Population changes

For the 2002 Agricultural Production Census, we sourced the population from the Business Register and the Inland Revenue Client Register. We checked these sources against industry lists and AgriBase to ensure all large units were included in the population.

After the 2002 Census, we use the Business Register for the census and survey populations.

Survey content changes

Over the years, we have changed the core information we gather in agricultural production collections.

Since 2002, these collections have gathered information on livestock and arable farming, horticulture, and forestry with the following exception:

In 2004, 2006, 2008, 2010, 2013, 2015 and 2016 the surveys collected information on livestock and arable farming, and forestry (we did not collect horticulture production information).

Past questionnaire changes

Forestry

The reference date for forestry production estimates changed to 31 March in the 2005 Agricultural Production Survey. This change was made to allow the forestry section of the survey to align more closely with the National Exotic Forest Description survey run by the Ministry for Primary Industries.

For the 2002 Census, and the 2003 and 2004 surveys, the year-ended date was 31 December. For agricultural production collections before the 2002 Agricultural Production Census, the year-ended date was 30 June.

Fawns

Since the 2005 survey, the data relates to fawns born on the farm that were alive at four months. In 2003 and 2004, data related to fawns weaned on the farm. In 2002, data related to fawns born on the farm. The change took industry recommendations into account.

Deer

Deer figures since the 2004 survey are not directly comparable with 2002 and 2003 figures. Improvements we made to the questions about deer in the 2004, 2005, and 2006 surveys have resulted in improved deer number estimates. While it is not possible to quantify the exact extent of the previous undercoverage, we estimate an undercount of about 70,000 deer at 30 June 2002, and 50,000 at 30 June 2003.

Reliability of sample survey estimates

This release contains statistics from the 2002–2016 agricultural production collections. All results from these collections are subject to non-sampling error, and sampling error.

Non-sampling error arises from bias in the patterns of response and non-response, inaccuracies in reporting by respondents, and errors in recording and classifying data. Non-sampling error comprises coverage error, measurement error (which arise from respondents, questionnaires, and collection methods), non-response error, and processing error. We use procedures to detect and minimise these types of error, but they may still occur and are not easy to quantify.

Sampling error occurs because we base inferences about the entire population on information obtained from only a sample of that population. As 2003–06, 2008–11, and 2013–16 collections are sample surveys, not censuses, the results from these collections are also subject to sampling error.

Imputation

We impute values for farmers and foresters who do not return a completed questionnaire. Imputation involves replacing missing items with values based on other information available.

The method of imputation we use is random 'hot deck' imputation.

The Agriculture Production Survey uses random hot deck imputation. Using this method, we replace missing values of one or more variables for a non-respondent with observed values from a respondent with similar characteristics. The imputation class is formed from common characteristics such as regional council area, ANZSIC06 group, and production data from previous years. We randomly assign each non-respondent to a respondent in the same imputation cell, and the farm production data of the respondent is copied across to the non-respondent.

To improve the imputation process, we remove respondents with uncharacteristically high levels of agricultural activity from their respective imputation cells. It is unlikely that any of the non-respondents would have similar characteristics to them.

Confidentiality

Data collected and information contained in this release must conform to the provisions of the Statistics Act 1975. Published information must maintain the confidentiality of individual respondents. Prior to 2017 figures in tables affected by these provisions are denoted by 'C'. In the 2017 tables confidentiality has been implemented using an input perturbation method which involves adding noise to data at an individual farm level, and figures in output tables no longer have to be replaced with 'C's. Further information about this method has been applied to other statistics can be found [here](#).

Quality suppression

Data with high sample errors or imputation levels are suppressed and are indicated by 'S' in the table.

More information

[See more information about the Agricultural Production Survey](#)

Statistics in this release have been produced in accordance with the [Official Statistics System principles and protocols for producers of Tier 1 statistics](#) for quality. They conform to the Statistics NZ Methodological Standard for Reporting of Data Quality.

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Agricultural Production Statistics: June 2017 (Final)

Table of Contents

Agricultural Production Statistics: June 2017 (Final)	3
Agricultural Production Census: June 2017 (Final)	3
Methodology	3
Variables	7
Agriculture Published Variables (v. 2019)	7
Export categories for Agriculture (Published)	38
Horticulture Export Groupings for Agriculture (Published)	39
Concepts	40
Agriculture Production Concepts	40

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Variables

Agriculture Published Variables (v. 2019)

Name	Description	Range
LC5604	LC5604 15% Potassic superphosphate	
LC5605	LC5605 30% Potassic superphosphate	
LC6398	LC6398 All other arable crops for silage or balage (ha)	
LC6399	LC6399 All other arable crops for silage or balage (tonnes)	
LC7192	LC7192 All other calves still on the farm	
LC5748	LC5748 All other fertilisers applied (2006~2015)	
LC9423	LC9423 All Other Flowers	Text

Name	Description	Range
LC6357	LC6357 All other grain & seed crops	
LC6018	LC6018 All other land	
LC8093	LC8093 All other livestock	
LC5649	LC5649 All other nitrogen based fertiliser (2002)	
LC9550	LC9550 All other nursery crops	
LC9630	LC9630 All Other Nursery Crops (2005)	
LC9591	LC9591 All Other Outdoor Horticultural Crops Not Previously Specified (2003)	
LC9593	LC9593 All other outdoor horticultural crops not previously specified	
LC5759	LC5759 All other phosphatic (2002)	
LC5748	LC5748 All other phosphatic fertilisers (2005)	
LC6953	LC6953 All other pigs	
LC7722	LC7722 All other poultry (2003 onwards)	
LC7713	LC7713 All Other Poultry (Includes Small Flocks)	
LC7724	LC7724 All Other Poultry Slaughtered (2003 Onwards)	
LC6406	LC6406 All other silage (for own use)	

Name	Description	Range
LC6407	LC6407 All other silage (sold)	
LC9761	LC9761 All other veges and herbs grown indoors	
LC8060	LC8060 Alpaca and llamas	
LC5602	LC5602 Ammonium sulphate	
LC4005	LC4005 Angus / hereford all other beef cattle (all ages)	
LC4003	LC4003 Angus / hereford beef cows and heifers in calf (all ages)	
LC4004	LC4004 Angus / hereford breeding bulls used as sires (all ages)	
LC4008	LC4008 Angus / shorthorn all other beef cattle (all ages)	
LC4006	LC4006 Angus / shorthorn beef cows and heifers in calf (all ages)	
LC4007	LC4007 Angus / shorthorn breeding bulls used as sires (all ages)	
LC4002	LC4002 Angus all other beef cattle (all ages)	
LC4000	LC4000 Angus beef cows and heifers in calf (all ages)	
LC4001	LC4001 Angus breeding bulls used as sires (all ages)	
LC4011	LC4011 Angus friesian all other beef cattle (all ages)	
LC4009	LC4009 Angus friesian beef cows and heifers in calf (all ages)	

Name	Description	Range
LC4010	LC4010 Angus friesland breeding bulls used as sires (all ages)	
LC4014	LC4014 Angus jersey all other beef cattle (all ages)	
LC4012	LC4012 Angus jersey beef cows and heifers in calf (all ages)	
LC4013	LC4013 Angus jersey breeding bulls used as sires (all ages)	
LC8500	LC8500 Apples	
LC8501	LC8501 Apples-T	
LC8530	LC8530 Apricots	
LC5951	LC5951 Arable cropping (full organic)	
LC5950	LC5950 Arable cropping (transitional)	
LC9998	LC9998 Area In Glasshouses, Greenhouses, Shadehouses, Mushroom Houses Etc - Sqm	
LC5550	LC5550 Area irrigated for dairy farming or dairy grazing	
LC5554	LC5554 Area irrigated for fruit crops	
LC5552	LC5552 Area irrigated for grain/seed/arable crops (excludes process vegetables)	
LC5555	LC5555 Area irrigated for other hort crops	

Name	Description	Range
LC5551	LC5551 Area irrigated for other livestock	
LC5553	LC5553 Area irrigated for vegetable crops	
LC6051	LC6051 Areas replanted that were previously planted in exotic trees	
LC9000	LC9000 Asian Vegetables - Ha (Excl. Chinese Cabbage)	
LC9005	LC9005 Asparagus	
LC8570	LC8570 Avocados	
LC6347	LC6347 Barley (hectares)	
LC6317	LC6317 Barley (tonnes)	
LC9010	LC9010 Beans:Broad-Ha	
LC9543	LC9543 Bedding Plants (outdoor)	
LC9943	LC9943 Bedding Plants (indoor)	
LC7056	LC7056 Beef cows/heifers in calf 2 years and over	
LC7057	LC7057 Beef cows/heifers in calf over 1 year but under 2 years	
LC7058	LC7058 Beef cows/heifers NOT in calf 2 years and over	
LC7059	LC7059 Beef cows/heifers NOT in calf over 1 year but under 2 years	

Name	Description	Range
LC7064	LC7064 Beef heifer and calves under 1 year old	
LC4041	LC4041 Beef shorthorn all other beef cattle (all ages)	
LC4039	LC4039 Beef shorthorn beef cows and heifers in calf (all ages)	
LC4040	LC4040 Beef shorthorn breeding bulls used as sires (all ages)	
LC8615	LC8615 Blackberries/Brambles-Ha	
LC8620	LC8620 Blackcurrants	
LC8625	LC8625 Blueberries	
LC7186	LC7186 Bobby calves	
LC8630	LC8630 Boysenberries	
LC7068	LC7068 Breeding bulls (all ages)	
LC7645	LC7645 Breeding males 2 years old and over	
LC7648	LC7648 Breeding males over 1 year but under 2 years	
LC6949	LC6949 Breeding sows 1 year and over	
LC7720	LC7720 Breeding stock	
LC7721	LC7721 Breeding Stock Slaughtered	

Name	Description	Range
LC9025	LC9025 Broccoli	
LC9030	LC9030 Brussel Sprouts-Ha	
LC5120	LC5120 Burning of crop residue from wheat, barley and other grains	
LC5125	LC5125 Burning of other crop residue	
LC5105	LC5105 Burning of tussock	
LC9035	LC9035 Cabbage	
LC9420	LC9420 Calla Lilly	
LC7074	LC7074 Calves born to beef heifers/cows	
LC7190	LC7190 Calves born to dairy heifers/cows	
LC9752	LC9752 Capsicum	
LC9040	LC9040 Capsicum (Outdoor)-Ha	
LC9045	LC9045 Carrots	
LC9050	LC9050 Cauliflower	
LC9055	LC9055 Celery-Ha	
LC6404	LC6404 Cereal silage or balage for own use (ha)	

Name	Description	Range
LC6385	LC6385 Cereal silage or balage for own use (tonnes)	
LC6405	LC6405 Cereal silage or balage sold (ha)	
LC6387	LC6387 Cereal silage or balage sold (tonnes)	
LC6408	LC6408 Cereal, silage or cereal balage	
LC4035	LC4035 Charolais all other beef cattle (all ages)	
LC4033	LC4033 Charolais beef cows and heifers in calf (all ages)	
LC4034	LC4034 Charolais breeding bulls used as sires (all ages)	
LC8540	LC8540 Cherries	
LC8720	LC8720 Chestnuts	
LC7719	LC7719 Chicken For Meat Production Slaughtered	
LC7712	LC7712 Chickens for meat production/broilers (includes small flocks)	
LC7715	LC7715 Chickens hens for egg production (layers)	
LC7717	LC7717 Chickens replacement stock intended for egg production (pullets)	
LC6360	LC6360 Clover seed (incl all certified and uncertified clovers)	
LC9200	LC9200 Cooking herbs (outdoor)	

Name	Description	Range
LC9758	LC9758 Cooking herbs (indoor)	
LC7344	LC7344 Coopworth ewe lambs/hoggets put to ram	
LC7342	LC7342 Coopworth ewes put to rams (2 tooth & older)	
LC7341	LC7341 Coopworth rams (2 tooth & older)	
LC7352	LC7352 Corriedale ewe lambs/hoggets put to ram	
LC7350	LC7350 Corriedale ewes put to rams (2 tooth & older)	
LC7349	LC7349 Corriedale rams (2 tooth & older)	
LC9065	LC9065 Courgettes / Zucchini-Ha	
LC5100	LC5100 Crop residue	
LC9753	LC9753 Cucumber	
LC5035	LC5035 Cultivation	
LC7185	LC7185 Dairy bulls to be used for dairy breeding	
LC6653	LC6653 Dairy cattle 2 years and over	
LC6652	LC6652 Dairy cattle under 2 years	
LC6651	LC6651 Dairy cattle: dairy cows and heifers over 1 year	

Name	Description	Range
LC7187	LC7187 Dairy cows and heifers (over 1 year) in milk or in calf	
LC7188	LC7188 Dairy cows and heifers (over 1 year) not in milk and not in calf	
LC7102	LC7102 Dairy cows and heifers in milk/calf 1 - 2 yrs	
LC7101	LC7101 Dairy cows and heifers in milk/calf 2 yrs+	
LC7104	LC7104 Dairy cows and heifers NOT in milk/calf 1 - 2 yrs	
LC7103	LC7103 Dairy cows and heifers NOT in milk/calf 2 yrs+	
LC5955	LC5955 Dairying (full organic)	
LC5954	LC5954 Dairying (transitional)	
LC7687	LC7687 Deer - Females - Mated	
LC7688	LC7688 Deer - Females - Others	
LC7686	LC7686 Deer - Males -<2 Yrs	
LC7685	LC7685 Deer - Males -2+ Yrs	
LC7600	LC7600 Deer females mated 2 years and over	
LC7605	LC7605 Deer females mated over 1 year but under 2 years	
LC7610	LC7610 Deer females NOT mated 2 years and over	

Name	Description	Range
LC7615	LC7615 Deer females NOT mated over 1 year but under 2 years	
LC7618	LC7618 Deer females under 1 year old (include fawns still on the farm)	
LC7630	LC7630 Deer males under 1 year old (include fawns still on the farm)	
LC5601	LC5601 Diammonium phosphate (DAP)	
LC5040	LC5040 Direct drilled	
LC5655	LC5655 Dolomite	
LC5682	LC5682 Don't know	
LC5660	LC5660 Effluent sprayed on fields	
LC7752	LC7752 Eggs from hens	
LC7753	LC7753 Eggs from other types of poultry	
LC8070	LC8070 Emus	
LC6724	LC6724 Ewe hoggets dry - not put to ram	
LC6723	LC6723 Ewe hoggets put to ram	
LC6722	LC6722 Ewes (2 tooth and over) dry - not put to ram	
LC6721	LC6721 Ewes (2 tooth and over) put to ram	

Name	Description	Range
LC6052	LC6052 Exotic timber harvested (eg areas that have been clearfelled or salvage logged) Cubic metres	
LC6053	LC6053 Exotic timber harvested (eg areas that have been clearfelled or salvage logged) Hectares	
LC7695	LC7695 Fawns Born	
LC7696	LC7696 Fawns born on farm alive at four months	
LC8575	LC8575 Feijoas	
LC6351	LC6351 Field / seed peas (hectares)	
LC6319	LC6319 Field / seed peas (tonnes)	
LC5510	LC5510 Flood systems	
LC9521	LC9521 Flower bulb, corm, and tuber crops	
LC9925	LC9925 Flower Bulb, Corm, And Tuber Crops (indoors)	
LC9424	LC9424 Flowers and foliage grown for cut flower and foliage production	
LC9817	LC9817 Flowers and foliage grown for cut flower and foliage production (indoors)	
LC6392	LC6392 Forage brassicas (swedes, turnips, kale)	
LC4020	LC4020 Friesian / hereford all other beef cattle (all ages)	

Name	Description	Range
LC4018	LC4018 Friesian / hereford beef cows and heifers in calf (all ages)	
LC4019	LC4019 Friesian / hereford breeding bulls used as sires (all ages)	
LC4017	LC4017 Friesian all other beef cattle (all ages)	
LC4015	LC4015 Friesian beef cows and heifers in calf (all ages)	
LC4016	LC4016 Friesian breeding bulls used as sires (all ages)	
LC9541	LC9541 Fruit Trees (outdoor)	
LC9941	LC9941 Fruit Trees (indoor)	
LC9610	LC9610 Fruit Trees And Fruit Vines	
LC5020	LC5020 Full cultivation	
LC9075	LC9075 Garlic-Ha	
LC6848	LC6848 Goats	
LC5684	LC5684 Good Agricultural Practice (GAP)	
LC6012	LC6012 Grain seed and fodder crop land and land prepared for these crops	
LC8670	LC8670 Grapefruit / goldfruit	
LC6002	LC6002 Grass land	

Name	Description	Range
LC6693	LC6693 Grazing all other dairy cattle	
LC6671	LC6671 Grazing all other livestock	
LC6675	LC6675 Grazing beef cattle	
LC6690	LC6690 Grazing dairy 2 years old and over	
LC6692	LC6692 Grazing dairy over 1 year but under 2 years	
LC6650	LC6650 Grazing dairy rising 1 year old heifers	
LC6695	LC6695 Grazing elsewhere 1 year but under 2 years	
LC6696	LC6696 Grazing elsewhere all other dairy cattle	
LC6687	LC6687 Grazing elsewhere beef cattle	
LC6697	LC6697 Grazing elsewhere dairy 2 years and over	
LC6681	LC6681 Grazing elsewhere dairy cattle 2 years and over	
LC6680	LC6680 Grazing elsewhere dairy cattle under 2 years	
LC6691	LC6691 Grazing elsewhere other livestock	
LC6694	LC6694 Grazing elsewhere rising 1 years old heifers	
LC6685	LC6685 Grazing elsewhere sheep	

Name	Description	Range
LC6654	LC6654 Grazing sheep	
LC9015	LC9015 Green beans	
LC7400	LC7400 Halfbred ewe lambs/hoggets put to ram	
LC7398	LC7398 Halfbred ewes put to rams (2 tooth & older)	
LC7397	LC7397 Halfbred rams (2 tooth & older)	
LC6019	LC6019 Harvested exotic forest area awaiting restocking	
LC6400	LC6400 Hay (for own use)	
LC6401	LC6401 Hay (sold)	
LC8735	LC8735 Hazelnuts	
LC7716	LC7716 Hens For Eggs Slaughtered	
LC7711	LC7711 Hens/Layers For Egg Production (All Species Of Poultry) (Includes Small Flocks)	
LC6361	LC6361 Herbage seeds (incl all other certified. Don't include clover seed)	
LC6353	LC6353 Herbage seeds harvested for seed production	
LC9565	LC9565 Herbs - Ha	

Name	Description	Range
LC4023	LC4023 Hereford all other beef cattle (all ages)	
LC4021	LC4021 Hereford beef cows and heifers in calf (all ages)	
LC4022	LC4022 Hereford breeding bulls used as sires (all ages)	
LC6609	LC6609 Hops	
LC7810	LC7810 Horses	
LC6007	LC6007 Horticultural land and land prepared for horticulture (include covered areas and vegetable land)	
LC5953	LC5953 Horticulture (full organic)	
LC5952	LC5952 Horticulture (transitional)	
LC9422	LC9422 Hydragea	
LC9625	LC9625 Indoor Plants	
LC4032	LC4032 Jersey all other beef cattle (all ages)	
LC4030	LC4030 Jersey beef cows and heifers in calf (all ages)	
LC4031	LC4031 Jersey breeding bulls used as sires (all ages)	
LC8552	LC8552 Kiwifruit - gold	

Name	Description	Range
LC8551	LC8551 Kiwifruit - green	
LC8553	LC8553 Kiwifruit - other	
LC9085	LC9085 Kumara	
LC6700	LC6700 Lambs marked and/or tailed from ewe hoggets	
LC6701	LC6701 Lambs marked and/or tailed from ewes	
LC5501	LC5501 Land Actually Irrigated	
LC5506	LC5506 Land area actually irrigated	
LC5000	LC5000 Land area cultivated	
LC5011	LC5011 Land area cultivated out of pasture (incl long-term and short-term pasture)	
LC5010	LC5010 Land area direct drilled	
LC6239	LC6239 Land area disposed of	
LC5511	LC5511 Land area irrigated by flood systems	
LC5521	LC5521 Land area irrigated by micro systems	
LC5516	LC5516 Land area irrigated by spray systems	

Name	Description	Range
LC5500	LC5500 Land Under An Irrigation System	
LC9188	LC9188 Leafy vegetables	
LC6232	LC6232 Leased maori land	
LC8675	LC8675 Lemons	
LC9090	LC9090 Lettuce	
LC9754	LC9754 Lettuce / salad greens	
LC5645	LC5645 Lime (excluding dolomite)	
LC6390	LC6390 Lucerne	
LC8725	LC8725 Macadamia	
LC5502	LC5502 Main Farming Activity On Irrigated Land	
LC6350	LC6350 Maize grain (not sweet corn) (hectares)	
LC6321	LC6321 Maize grain (not sweet corn) (tonnes)	
LC6391	LC6391 Maize green feed	
LC6409	LC6409 Maize silage	
LC6381	LC6381 Maize silage or balage for own use (tonnes)	

Name	Description	Range
LC6402	LC6402 Maize silage or balage for own use-ha	
LC6403	LC6403 Maize silage or balage sold (ha)	
LC6383	LC6383 Maize silage or balage sold (tonnes)	
LC8685	LC8685 Mandarins	
LC6951	LC6951 Mated gilts	
LC7372	LC7372 Maternal composite ewe lambs/hoggets put to ram	
LC7371	LC7371 Maternal composite ewes put to rams (2 tooth & older)	
LC7373	LC7373 Maternal composite rams (2 tooth & older)	
LC6015	LC6015 Mature native bush	
LC9115	LC9115 Melon water / rock	
LC7424	LC7424 Merino ewe lambs/hoggets put to ram	
LC7422	LC7422 Merino ewes put to rams (2 tooth & older)	
LC7421	LC7421 Merino rams (2 tooth & older)	
LC5520	LC5520 Micro systems	
LC4044	LC4044 Mixed / crossbred all other beef cattle (all ages)	

Name	Description	Range
LC4042	LC4042 Mixed / crossbred beef cows and heifers in calf (all ages)	
LC4043	LC4043 Mixed / crossbred breeding bulls used as sires (all ages)	
LC7375	LC7375 Mixed maternal ewe lambs/hoggets put to ram	
LC7374	LC7374 Mixed maternal ewes put to rams (2 tooth & older)	
LC7376	LC7376 Mixed maternal rams (2 tooth & older)	
LC7384	LC7384 Mixed terminal ewe lambs/hoggets put to ram	
LC7383	LC7383 Mixed terminal ewes put to rams (2 tooth & older)	
LC7385	LC7385 Mixed terminal rams (2 tooth & older)	
LC4038	LC4038 Murray grey all other beef cattle (all ages)	
LC4036	LC4036 Murray grey beef cows and heifers in calf (all ages)	
LC4037	LC4037 Murray grey breeding bulls used as sires (all ages)	
LC9755	LC9755 Mushrooms	
LC8515	LC8515 Nashi pears	
LC6016	LC6016 Native scrub and regenerating native bush	
LC8535	LC8535 Nectarines	

Name	Description	Range
LC6050	LC6050 New area planted (don't include areas previously in exotic tree plantation)	
LC5670	LC5670 Nitrogen inhibitor	
LC5681	LC5681 No	
LC5687	LC5687 No formal farm nutrient planning document	
LC7071	LC7071 Non-breeding bulls 2 years and over	
LC7072	LC7072 Non-breeding bulls over 1 year but under 2 years	
LC7073	LC7073 Non-breeding bulls under 1 year old	
LC7620	LC7620 Non-breeding males 2 years and over	
LC7625	LC7625 Non-breeding males over 1 year but under 2 years	
LC9945	LC9945 Nursery Crop Grown Indoor	
LC5683	LC5683 Nutrient Budget (NB)	
LC5685	LC5685 Nutrient Management Plan (NMP)	
LC9600	LC9600 Nz Native Plants (Native Trees, Shrubs, Herbaceous Plants, Etc)	
LC6348	LC6348 Oats (hectares)	

Name	Description	Range
LC6315	LC6315 Oats (tonnes)	
LC8700	LC8700 Olives	
LC9120	LC9120 Onions	
LC8665	LC8665 Oranges	
LC9815	LC9815 Orchids (Indoor) Sqm	
LC9540	LC9540 Ornamental Trees And Shrubs (outdoor)	
LC9940	LC9940 Ornamental Trees And Shrubs (indoor)	
LC8080	LC8080 Ostriches	
LC8075	LC8075 Ostriches & emus	
LC4047	LC4047 Other all other beef cattle (all ages)	
LC4045	LC4045 Other beef cows and heifers in calf (all ages)	
LC4046	LC4046 Other breeding bulls used as sires (all ages)	
LC6349	LC6349 Other cereal grains (hectares)	
LC6327	LC6327 Other cereal grains (tonnes)	
LC6344	LC6344 Other crops including herbage and hort seeds-Ha	

Name	Description	Range
LC6462	LC6462 Other crops silage	
LC5686	LC5686 Other farm nutrient planning document	
LC9816	LC9816 Other Flowers And Foliage (Indoor) Sqm (2002)	
LC8885	LC8885 Other fruit, nut and edible tree crops grown outdoors	
LC8970	LC8970 Other Fruit-Ha (2002)	
LC6379	LC6379 Other grain and seed crops-Ha	
LC6378	LC6378 Other Grain and seed crops-T	
LC9985	LC9985 Other Indoor Crops - Sqm (2002)	
LC5012	LC5012 Other land area cultivated	
LC6670	LC6670 Other livestock	
LC5959	LC5959 Other livestock farming (full organic)	
LC5958	LC5958 Other livestock farming (transitional)	
LC7370	LC7370 Other maternal ewe lambs/hoggets put to ram	
LC7369	LC7369 Other maternal ewes put to rams (2 tooth & older)	
LC7368	LC7368 Other maternal rams (2 tooth & older)	

Name	Description	Range
LC8950	LC8950 Other Nuts (2002)	
LC9620	LC9620 Other Ornamental Trees And Shrubs	
LC9590	LC9590 Other Outdoor Crops (2002)	
LC5789	LC5789 Other potassic (2002)	
LC6352	LC6352 Other pulses	
LC6343	LC6343 Other pulses (tonnes)	
LC5115	LC5115 Other standing vegetation	
LC6394	LC6394 Other supplementary feed crops	
LC7381	LC7381 Other terminal composite ewe lambs/hoggets put to ram	
LC7380	LC7380 Other terminal composite ewes put to rams (2 tooth & older)	
LC7382	LC7382 Other terminal composite rams (2 tooth & older)	
LC7378	LC7378 Other terminal purebred ewe lambs/hoggets put to ram	
LC7377	LC7377 Other terminal purebred ewes put to rams (2 tooth & older)	
LC7379	LC7379 Other terminal purebred rams (2 tooth & older)	
LC9303	LC9303 Other vegetables	

Name	Description	Range
LC5045	LC5045 Over sowing	
LC9125	LC9125 Parsnips-Ha	
LC8585	LC8585 Passionfruit	
LC6410	LC6410 Pasture/lucerne (hay, silage and balage)	
LC8525	LC8525 Peaches	
LC8510	LC8510 Pears	
LC6305	LC6305 Peas (incl fresh & process peas)	
LC9130	LC9130 Peas (include fresh and process peas - hectares)	
LC9421	LC9421 Peony	
LC7464	LC7464 Perendale ewe lambs/hoggets put to ram	
LC7462	LC7462 Perendale ewes put to rams (2 tooth & older)	
LC7461	LC7461 Perendale rams (2 tooth & older)	
LC9542	LC9542 Perennials (outdoor)	
LC9942	LC9942 Perennials (indoor)	
LC8590	LC8590 Persimmons	

Name	Description	Range
LC6955	LC6955 Piglets weaned on the farm during June 30	
LC6009	LC6009 Plantations of exotic trees intended for harvest	
LC8545	LC8545 Plums	
LC7366	LC7366 Poll Dorset ewe lambs/hoggets put to ram	
LC7365	LC7365 Poll Dorset ewes put to rams (2 tooth & older)	
LC7367	LC7367 Poll Dorset rams (2 tooth & older)	
LC5606	LC5606 Potassic superphosphate	
LC9135	LC9135 Potatoes	
LC9615	LC9615 Potted Colour/Flowering Annual Plants	
LC9140	LC9140 Pumpkin	
LC6738	LC6738 Ram and wether hoggets	
LC6720	LC6720 Rams (2 tooth and over)	
LC8645	LC8645 Raspberries	
LC5025	LC5025 Reduced cultivation	
LC7184	LC7184 Rising 1 year old dairy heifers and heifer calves	

Name	Description	Range
LC7504	LC7504 Romney ewe lambs/hoggets put to ram	
LC7502	LC7502 Romney ewes put to rams (2 tooth & older)	
LC7501	LC7501 Romney rams (2 tooth & older)	
LC9605	LC9605 Roses	
LC5957	LC5957 Sheep and beef farming (full organic)	
LC5956	LC5956 Sheep and beef farming (transitional)	
LC6660	LC6660 Sheep: hoggets	
LC6661	LC6661 Sheep: other sheep	
LC9160	LC9160 Silver Beet/Spinach-Ha	
LC4029	LC4029 Simmental all other beef cattle (all ages)	
LC4027	LC4027 Simmental beef cows and heifers in calf (all ages)	
LC4028	LC4028 Simmental breeding bulls used as sires (all ages)	
LC4026	LC4026 South devon all other beef cattle (all ages)	
LC4024	LC4024 South devon beef cows and heifers in calf (all ages)	
LC4025	LC4025 South devon breeding bulls used as sires (all ages)	

Name	Description	Range
LC5515	LC5515 Spray systems	
LC9165	LC9165 Spring Onions - Ha	
LC9170	LC9170 Squash	
LC7065	LC7065 Steers 2 years and over	
LC7066	LC7066 Steers over 1 year but under 2 years	
LC7067	LC7067 Steers under 1 year old	
LC8655	LC8655 Strawberries	
LC7536	LC7536 Suffolk ewe lambs/hoggets put to ram	
LC7534	LC7534 Suffolk ewes put to rams (2 tooth & older)	
LC7533	LC7533 Suffolk rams (2 tooth & older)	
LC5603	LC5603 Superphosphate	
LC9175	LC9175 Sweet corn	
LC8605	LC8605 Table grapes	
LC8580	LC8580 Tamarillos	
LC8690	LC8690 Tangelos	

Name	Description	Range
LC7552	LC7552 Texel ewe lambs/hoggets put to ram	
LC7550	LC7550 Texel ewes put to rams (2 tooth & older)	
LC7549	LC7549 Texel rams (2 tooth & older)	
LC0006	LC0006 Time taken	
LC9757	LC9757 Tomatoes indoor	
LC9185	LC9185 Tomatoes outdoor	
LC5505	LC5505 Total area that could have been irrigated using existing resource consents and equipment on the farm	
LC7077	LC7077 TOTAL beef cattle	
LC7193	LC7193 TOTAL dairy cattle	
LC7699	LC7699 TOTAL deer	
LC8890	LC8890 Total Fruit, Nut & Edible Tree Crops Grown Outdoors	
LC9999	LC9999 TOTAL indoor area other commercial indoor crops	
LC8555	LC8555 TOTAL kiwifruit	
LC6013	LC6013 TOTAL land	

Name	Description	Range
LC5750	LC5750 Total nitrogen	
LC8095	LC8095 Total Other Livestock	
LC9595	LC9595 TOTAL outdoor area other commercial outdoor crops	
LC6580	LC6580 TOTAL outdoor area used for vegetables and cooking herbs	
LC5751	LC5751 Total phosphorus	
LC6954	LC6954 TOTAL pigs	
LC5752	LC5752 Total potassium	
LC7714	LC7714 TOTAL poultry (includes small flocks)	
LC6731	LC6731 TOTAL sheep as at 30 June	
LC5753	LC5753 Total sulphur	
LC6003	LC6003 Tussock and danthonia used for grazing (whether oversown or not)	
LC5600	LC5600 Urea (2002~2016)	
LC5675	LC5675 Urease inhibitor (2010~2016)	
LC6356	LC6356 Vegetable seed growing	
LC7640	LC7640 Velvet (all grades) removed (green weight kg)	

Name	Description	Range
LC8730	LC8730 Walnuts	
LC6727	LC6727 Wethers (2 tooth and over)	
LC6345	LC6345 Wheat for bread / milling (hectares)	
LC6307	LC6307 Wheat for bread / milling (tonnes)	
LC6346	LC6346 Wheat for other uses (hectares)	
LC6309	LC6309 Wheat for other uses (tonnes)	
LC8600	LC8600 Wine grapes	
Total lambs marked or tailed	Total of both lambs born to ewes and lambs born to hoggets	
Lambing percentage	The lambing percentage is the number of lambs marked or tailed per ewe mated	
LC6795	LC6795 lambswool	
LC6796	LC6796 Fine wool (24.5 microns or less)	
LC6797	LC6797 medium wool (more than 24.5 microns, but less than 31.4 microns)	
LC6798	LC6798 fine crossbred wool (31.4 microns and more, but less than 35.4 microns)	
LC6799	LC6799 coarse wool (35.4 microns or more)	

Name	Description	Range
LC5517	LC5517 Land area irrigated by centre pivots and linear moves	
LC5518	LC5518 Land area irrigated by all other travelling and sprayline systems	
LC5608	LC5608 urease inhibitor coated urea (2017 onwards)	
LC5609	LC5609 urea (2017 onwards)	
LC5607	LC5607 potassium chloride and/or potassium sulphate	
LC5755	LC5755 all other fertilisers (2017 onwards)	
LC5900	LC5900 multiple pond system (with anaerobic and aerobic ponds which discharge)	
LC5901	LC5901 multiple pond system (with anaerobic and aerobic ponds which occasionally discharge and use land application the rest of the time)	
LC5902	LC5902 single storage ponds/tanks (with sufficient storage to irrigate when suitable - no solid separations system)	
LC5903	LC5903 single storage ponds/tanks (which include a solid separation and storage system)	
Lc5904	Lc5904 sump storage (storage for at least 1–2 days prior to irrigation)	
LC5905	LC5905 other effluent management system	
LC8094	LC8094 buffalo	

Export categories for Agriculture (Published)

Name	Description	Range
Live animals	Live animals 0102210010 Cattle; live, pure-bred breeding animals, dairy 0102290010 Cattle; live, other than pure-bred, for breeding, dairy 0102290029 Cattle; live, other than pure-bred, other than for breeding 0104100001 Sheep; live, for breeding 0104100009 Sheep; live, for other than breeding	Numeric
Beef	Beef 0201200001 Meat; of bovine animals, beef quarters of steer and heifer, P1 grade, with bone in, fresh or chilled 0201200029 Meat; of bovine animals, beef quarters of cow, G grade, with bone in, fresh or chilled 0201200039 Meat; of bovine animals (other than steer, heifer, cow and bull), beef quarters, with bone in, fresh or chilled 0201200041 Meat; of bovine animals, beef cuts according to the...	Numeric
Sheep	Sheep 0204100018 Meat; of sheep, lamb carcasses and half-carcasses, PL grade, fresh or chilled 0204100032 Meat; of sheep, lamb carcasses and half-carcasses, YL grade, fresh or chilled 0204100038 Meat; of sheep, lamb carcasses and half-carcasses, YM grade, fresh or chilled 0204100042 Meat; of sheep, lamb carcasses and half-carcasses, YX grade, fresh or chilled 0204100048 Meat; of sheep, lamb...	Numeric
Deer	Deer 0208900011 Meat and edible meat offal; of deer, fresh, chilled or frozen, pizzles 0208900013 Meat and edible meat offal; of deer, fresh, chilled or frozen, tails 0208900015 Meat and edible meat offal; of deer, fresh, chilled or frozen, offal (excluding pizzles or tails) 0208900017 Edible meat; other than offal, of deer, venison, chilled 0208900018 Edible meat; other than offal, of deer,...	Numeric
Dairy	Dairy 0401100100 Dairy produce; milk and cream, not concentrated, not containing added sugar or other sweetening matter, of a fat content, by weight, not exceeding 1%, fresh 0401200100 Dairy produce; milk and cream, not concentrated, not containing added sugar or other sweetening matter, of a fat content, by weight, exceeding 1% but not exceeding 6%, fresh 0401200901 Dairy produce; milk and cream,...	Numeric

Horticulture Export Groupings for Agriculture (Published)

Name	Description	Range
Grapes	Grapes	
	0806100000 Fruit, edible; grapes, fresh	
	0806200001 Fruit, edible; grapes, dried, as currants	
	0806200009 Fruit, edible; grapes, dried, as raisins, including muscatels	
	0806200011 Fruit, edible; grapes, dried, as sultanas	
	0806200019 Fruit, edible; grapes, n.e.c. in item no. 0806.20, dried	
Wine	Wine	
	2204100100 Wine; sparkling, champagne	
	2204101201 Wine; sparkling, for further manufacture in a licensed manufacturing area, red	
	2204101209 Wine; sparkling, for further manufacture in a licensed manufacturing area, white	
	2204101801 Wine; sparkling, (other than for manufacture in a licensed manufacturing area), red	
	2204101809 Wine; sparkling, (other than for manufacture in a licensed...	
Apples	Apples	
	0808100001 Fruit, edible; apples, fresh, pulped, grated, sliced, chopped, shredded, minced or peeled	
	0808100011 Fruit, edible; apples, Braeburn, fresh, whole fruit	
	0808100019 Fruit, edible; apples, Cox's Orange Pippin, fresh, whole fruit	
	0808100020 Fruit, edible; apples, Envy/New Zealand Envy (Scilate), fresh, whole fruit	
	0808100022 Fruit, edible; apples, Fuji/Fuji Sports, fresh, whole fruit	
	...	
Kiwifruit	Kiwifruit	
	0810500010 Fruit, edible; kiwifruit, gold fleshed, fresh	
	0810500019 Fruit, edible; kiwifruit, green fleshed, fresh	
	0810500029 Fruit, edible; kiwifruit, other than gold or green fleshed, fresh	

Concepts

Agriculture Production Concepts

Name	Description
Arable land	Capable of being ploughed, fit for tillage (not pasture or woodland).
Bull	An entire (ie not castrated) male cattle.
Calf	A young cattle of either sex between birth and weaning, with eight temporary teeth. Also sometimes refers to animals up to one year old.
Calving percentage	Calculated either by calves weaned to number of cows mated, or calves sold to cows mated in the previous year.
Cow	A mature female cattle beast of any age, but usually over 30 months.

Dairy milking herd	Milk-producing cows and heifers, which includes all cows and heifers either in milk or in calf.
Dairy replacement herd	Dairy cows and heifers not currently producing milk and all calves and heifers reared for future dairy breeding and milking.
Dry cow/ewe	A female animal not carrying offspring.
Ewe	A female sheep.
Exotic timber	Timber harvested from trees which are not native to New Zealand.
Flock	A group of sheep, angora or feral goats, or poultry.
Heifer	A female cattle having no more than six permanent incisors.
Herd	A group of cattle, horses, or milking goats (or pigs and deer).
Hogget	A young male or female sheep having no more than two permanent incisors in wear.
Lamb	A sheep under 12 months of age, or without any permanent teeth in wear.
Lambing percentage	The number of lambs marked or tailed per ewe mated in the previous year.
Ram	An adult uncastrated male sheep having more than two permanent incisors in wear.
Schedule	The basic minimum price paid to a farmer by a meat processing company. Based on categories of stock. Usually announced weekly. Variable premiums can apply for particular groups at certain times.
Steer	A male cattle castrated when young. Does not develop secondary sexual characteristics (eg large shoulders) or masculine temperament.
Two-tooth	A sheep with two teeth (a one-year-old).
Wether	A castrated male sheep.



Agriculture Production Surveys and Censuses

Table of Contents

Agriculture Production Surveys and Censuses	3
Abstract	3
Purpose	3
Related Materials	4
Publications	4
Variables	4

Agriculture Production Surveys and Censuses

Abstract

Agricultural data can be dated back to 1861.

Between then and the mid 1950s, agricultural statistics were regularly collected by government agencies.

From 1955-56 until 1987 a full postal census was conducted annually. Between 1987 and 1996, full censuses were conducted in 1990 and 1994, and sample surveys of agricultural production were conducted in the years between censuses. There were no surveys of agricultural production in 1997 and 1998. A sample survey of farms predominantly involved in livestock farming was conducted in 1999. In 2000 a full coverage survey of all farms involved in horticultural activity was conducted. There was no survey of agricultural production in 2001.

The reinstatement of the Agriculture Statistics programme in 2001 saw the taking of an Agricultural Production Census in 2002.

Coverage included farms involved in livestock, cropping, horticulture and forestry. This survey was the first in an on-going programme of censuses and surveys undertaken by Statistics NZ in consultation with the Ministry of Agriculture and Forestry and since 2012, the Ministry for Primary Industries.

The Agricultural Production Statistics have one yearly collection with two releases. The first release in mid-December has provisional data, with the final data released mid-May the following year.

Purpose

To collect information about livestock farming (including sheep, beef and dairy cattle, and deer), crop growing (including grain and seed crops), fruit, vegetables, wine grapes, forestry and farm practices (including fertiliser use).

Usage and limitations of the data

Agricultural data contributes to the compilation of National Accounts.

Longitudinal research of business dynamics projects (see Longitudinal Business Database).

Customised requests sourced from complete linecodes dataset, linecode combinations, by detailed geographic area (Territorial Authority and meshblock) and up to six digit ANZSIC codes (industry level).

The Agricultural surveys area designed to produce results to a Regional Council level and the censuses to a Territorial Authority level.

Yearly time series is not available as there was no agricultural production survey conducted in 1997, 1998 or 2001. In 2000, the survey related only to horticulture.

The population for the 2002 Agricultural Production Census and subsequent surveys differs from that of previous agricultural censuses and surveys. Figures from 2002 onwards may not be directly comparable with previous years.

Main users of the data

Internal:

Business Frame for updates

National Accounts

Longitudinal Business Database

External:

Ministry for Primary Industries, Regional Councils, Agricultural Suppliers and Agricultural Research Organizations

Significant events impacting this study series

Up to and including the season 1908-09, agricultural and pastoral statistics were collected annually by sub-enumerators appointed by the Department of Agriculture. In the season 1909-10 information was collected for the principal crops only. A full detailed collection was made for the 1910-11 season in conjunction with the Population Census of 1911. From then to 1914-15 no complete collection was made, and the postal collection was found in some respects to be unsatisfactory. From 1916 until 1930 the actual collection of the agricultural and pastoral statistics schedules was carried out annually through the police organisation. The system required officers in charge of police stations to obtain all necessary particulars by a personal canvass of occupiers of holdings of one acre or over located outside boroughs.

In 1931 it was decided, for reasons of economy, to dispense with the assistance of the police organisation and so avoid the travelling and other expenses incidental to the personal canvass system. Instead, the statistics were obtained on questionnaires distributed through the post by the Census and Statistics Department. Although a considerable saving was effected in this way, various circumstances combined to create difficulties and delays in completing the work of compilation.

In 1932 a new system was adopted, representing a combination of both the postal and the personal-canvass systems. The services of the police organisation were requisitioned to this end, it being realised that the local knowledge of police officers in reference to changes in occupancy, etc., as well as their proximity to occupiers within their respective districts was a valuable asset in securing returns.

In 1950, a special Census of Agriculture was conducted as part of the World Census of Agriculture. A considerably wider scope was covered in this special census than in the normal annual collection. In particular, a comprehensive examination of farm machinery was undertaken for the first time, while, again, an analysis of farm population and employment was made. In order to carry out such a detailed collection it became necessary to revert to the system in operation up to 1930, whereby particulars were obtained by a personal canvass of occupiers.

Commencing with 1952-53, Agriculture Statistics were collected using a sample of approximately 12,000 farms, instead of a full collection of 90,000 farms. This was a postal survey. However, this method of surveying farmers ceased after the 1954-55 survey year.

From 1955-56 until 1987 a full postal census was conducted annually. Full censuses were also conducted in 1990 and 1994. Between 1987 and 1996 sample surveys of agriculture production were conducted in the years between censuses.

There were no surveys of agriculture production in 1997 and 1998. A sample survey of farms predominantly involved in livestock farming was conducted in 1999. In 2000 a full coverage survey of all farms involved in horticultural activity was conducted. There was no survey of agriculture production in 2001.

Current Programme

The reinstatement of the Agriculture Statistics programme in 2001 saw the taking of an Agriculture Production Census in 2002. Coverage included farms involved in livestock, cropping, horticulture and forestry. This survey was the first in an on-going programme of censuses and surveys being undertaken by Statistics New Zealand with the cooperation of the Ministry of Agriculture and Forestry.

An Agricultural Production Survey conducted in 2003 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census.

An Agricultural Production Survey conducted in 2004 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census except for horticulture.

An Agricultural Production Survey conducted in 2005 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census.

An Agricultural Production Survey conducted in 2006 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census except for horticulture.

An Agricultural Production Census conducted in 2007 was a full coverage census of the same sectors as the 2002 Agricultural Production Census.

An Agricultural Production Survey conducted in 2008 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census except for horticulture.

An Agricultural Production Survey conducted in 2009 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census.

An Agricultural Production Survey conducted in 2010 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census except for horticulture.

An Agricultural Production Survey conducted in 2011 was a sample survey with coverage of the same sectors as the 2002 Agricultural Production Census.

An Agricultural Production Census conducted in 2012 was a full coverage census of the same sectors as the 2002 Agricultural Production Census.

Related Materials

Publications

- [Agriculture Information release](#)

Variables