

Embargoed until 10:45am – 09 February 2010

Agricultural Production Statistics: June 2009 (provisional)

Highlights

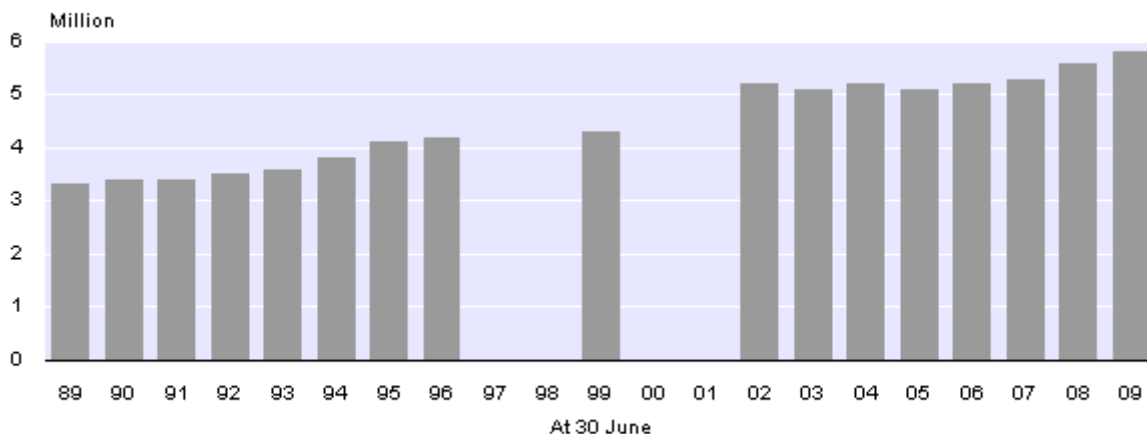
At 30 June 2009:

- Sheep numbers fell to 32.4 million, down 5 percent from 2008.
- Dairy cattle numbers reached 5.8 million, up 4 percent from 2008.
- The total area planted in wine grapes rose to 32,960 hectares, up 11 percent from 2007.

During the year ended 30 June 2009:

- 408,400 tonnes of wheat were harvested, up 19 percent from 343,400 tonnes in 2008.
- 449,800 tonnes of barley were harvested, up 10 percent from 408,700 tonnes in 2008.

Total Dairy Cattle
1989–2009



Note: No Agricultural Production Survey was conducted for 1997, 1998, or 2001. In 2000, the survey related only to horticulture.

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Commentary

The 2009 Agricultural Production Survey covered livestock and arable farming, horticulture and forestry, and included questions on farm practices (including fertiliser and cultivation). This release contains provisional results for key livestock, forestry, arable, and horticultural crops. Provisional results may change after further processing and analysis of data. Final results will be released on 13 May 2010 and will be available at regional level.

The 2009 survey was part of the current programme of censuses and surveys of agricultural production. This programme began with a census in 2002, followed by annual sample surveys from 2003 to 2006. A census was held in 2007 followed by a sample survey in 2008.

Figures in this release have been rounded. All percentages in this release have been calculated using unrounded figures.

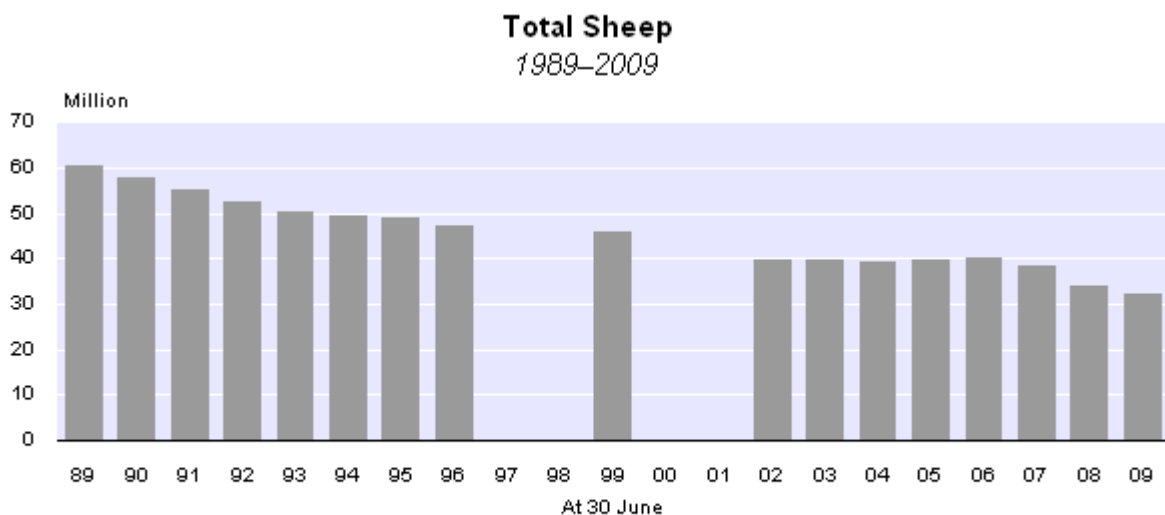
Sheep

Total sheep numbers at 30 June 2009 were estimated at 32.4 million, down 1.7 million from 34.1 million in 2008. Although sheep numbers fell in 2009, the fall was not as great as between 2007 and 2008, when numbers dropped by 4.4 million. The 2009 sheep flock was 28.2 million below the 60.6 million recorded 20 years ago in 1989, and less than half the peak of 70.0 million sheep recorded in 1982.

In the year ended 30 June 2009, 28.0 million lambs were tailed, 3.1 million fewer than in the previous year.

In 2009, 23.9 million ewes and ewe hoggets were mated, down from 25.0 million in 2008. In comparison, 42.5 million were mated in 1989.

The fall in the national breeding flock since the 1980s has been partly offset by increases in the lambing percentage. In 2009, a lambing percentage of 119 was achieved compared with 102 in 1989.



Note: No Agricultural Production Survey was conducted for 1997, 1998, or 2001. In 2000, the survey related only to horticulture.

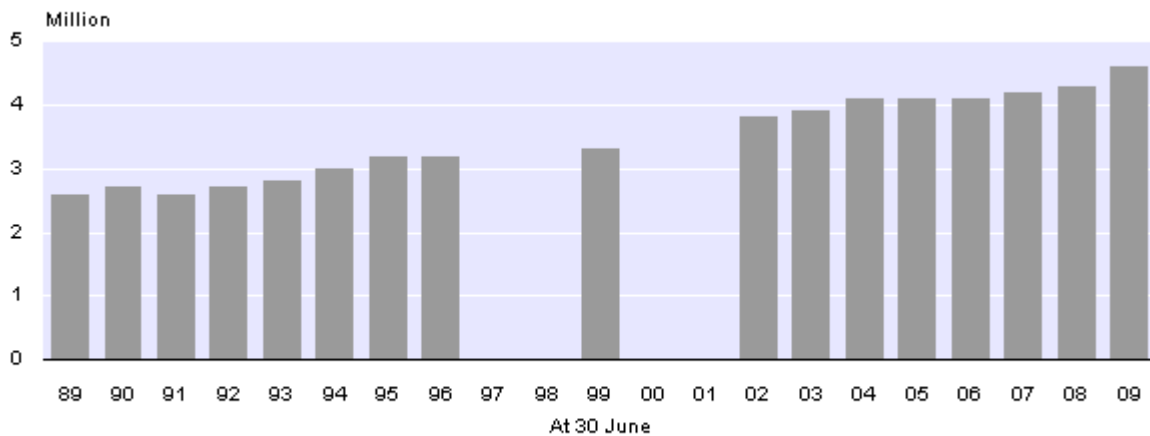
Dairy

At 30 June 2009 New Zealand had 5.8 million dairy cattle, 240,000 more than in 2008. In the past twenty years, the number of dairy cattle has increased by 76 percent from 3.3 million in 1989.

The increased number of dairy cattle in 2009 resulted from growth in the milking herd (cows and heifers in milk or in calf). The milking herd grew to 4.6 million in 2009, up from 4.3 million in 2008. This expansion was due to both dairy conversions and growth in existing milking herds. In 2009, more older cows were kept for milk production.

The 2009 dairy replacement herd (cows and heifers not in milk or in calf, and rising one-year-old heifers, and heifer calves) remained similar to the 2008 size of 1.2 million.

Dairy Cows and Heifers in Milk or in Calf
1989–2009



Note: No Agricultural Production Survey was conducted for 1997, 1998, or 2001. In 2000, the survey related only to horticulture.

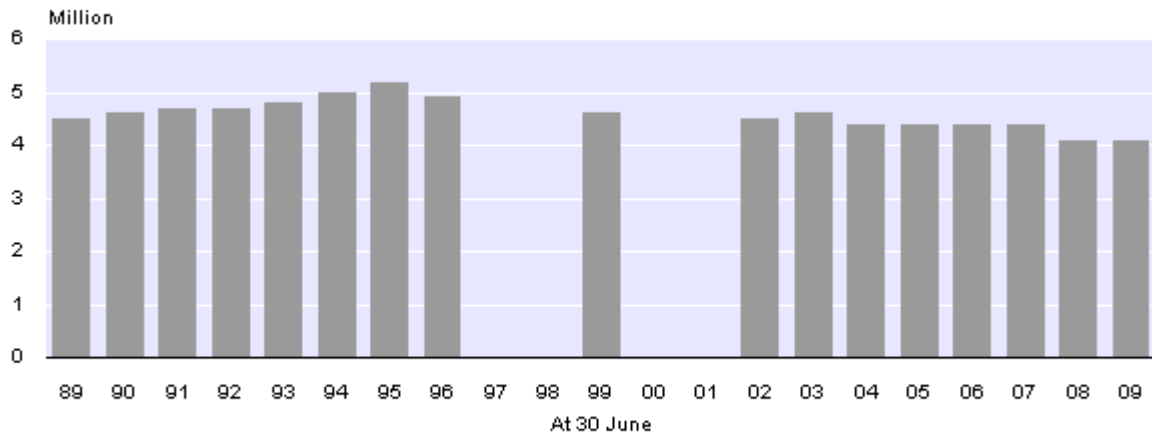
Beef

Beef cattle numbered 4.1 million at 30 June 2009. This number is similar to 2008 and 430,000 fewer than in 1989.

The number of the beef cows and heifers in calf remained stable at 1.1 million at 30 June 2009.

An estimated 910,000 calves were born to beef cows and heifers during the year ended June 2009, 7 percent fewer than in 2008.

Total Beef Cattle 1989–2009



Note: No Agricultural Production Survey was conducted for 1997, 1998, or 2001. In 2000, the survey related only to horticulture.

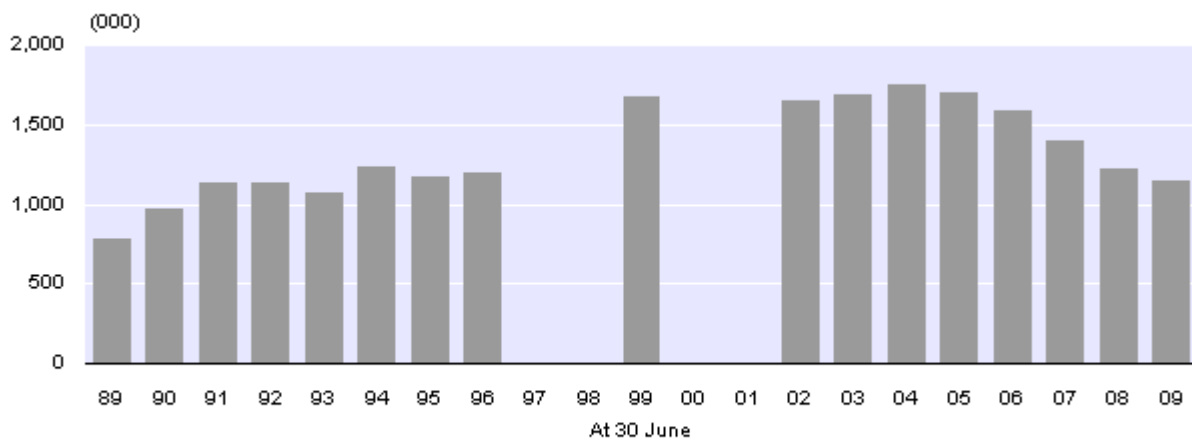
Deer

Total deer numbers at 30 June 2009 were estimated at 1.2 million, down 6 percent from 2008. Although deer numbers have fallen in recent years, they are still almost 50 percent above the 1989 figure of 780,000.

In 2009, there were 569,000 female deer mated, down 4 percent from an estimated 595,000 in 2008.

During the year ended June 2009, there were 436,000 fawns born and alive at four months, which is 12 percent lower than the previous year. This drop was in line with the fall in the number of female deer mated between 2007 and 2008, when numbers fell 13 percent.

Total Deer 1989–2009



Note: No Agricultural Production Survey was conducted for 1997, 1998, or 2001. In 2000, the survey related only to horticulture. Statistics New Zealand estimates an undercount of about 70,000 deer at 30 June 2002, and 50,000 at 30 June 2003.

Forestry

An estimated 40,000 hectares of exotic forest were harvested during the year ended 31 March 2009, a 6 percent decrease from 42,700 hectares in 2008.

New area planted during the year ended 31 March 2009 totalled 2,300 hectares, similar to the 2,700 hectares planted in the previous year. In the year ended 31 December 2001, there were 33,700 hectares of new plantings.

In 2009, there were 31,100 hectares of exotic forest replanted, down 6 percent from 33,100 hectares in the previous year. In 2001 there were 42,500 hectares replanted.

Grain crops

Wheat

Substantial increases in both the area and tonnage of wheat harvested were recorded in 2009. The area harvested was 53,900 hectares, up 27 percent on the 42,300 hectares harvested in 2008. The tonnage was 408,400, up from 343,400 tonnes in 2008. The figures include both bread wheat and wheat harvested for other purposes.

Barley

The hectares of barley harvested increased 15 percent, from 67,400 hectares in 2008 to 77,800 in 2009. The tonnage increased by 41,100 tonnes to 449,800 tonnes in 2009.

Maize grain

In 2009, there were 23,100 hectares of maize grain harvested, an increase of 26 percent from 2008. The tonnage increased to 257,000 tonnes in 2009, up 51,400 tonnes from the previous year.

Horticulture

Before 2009, horticultural production information was last collected in the 2007 Agricultural Production Census.

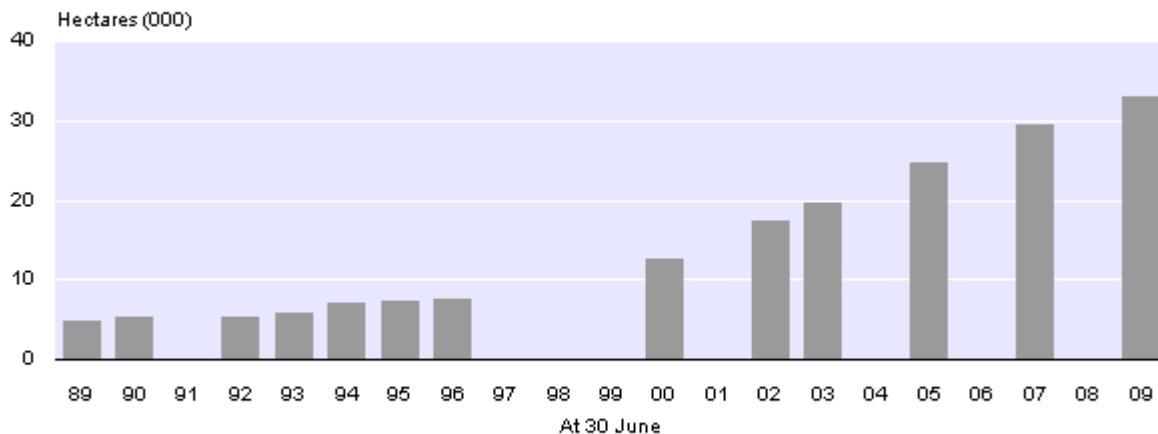
Fruit

Wine grapes

The area planted in wine grapes has continued to increase. A total of 32,960 hectares were planted in 2009 – 3,340 hectares more than the 2007 area of 29,620 hectares.

The 2009 area was more than six times the area planted twenty years ago (4,830 hectares). The expansion of wine grape plantings reflects success in the export market. In the year ended 30 June 2009, there were 112 million litres of wine exported, excluding fortified wines. Whereas, in 1989, only 3 million litres were exported.

Net Area Planted in Wine Grapes 1989–2009



Note: No Agricultural Production Survey was conducted for 1997, 1998, or 2001. In 1991, 1999, 2004, 2006, and 2008 the survey related only to livestock and arable farming. Outdoor table grapes were included prior to 2000.

Vegetables

Potatoes

- 11,490 hectares of potatoes were harvested during the year ended 30 June 2009, up 14 percent from 10,050 hectares in 2007.

Onions

- 4,600 hectares of onions were harvested during the year ended 30 June 2009 – similar to the area harvested in 2007.

Buttercup squash

- 6,960 hectares of buttercup squash were harvested during the year ended 30 June 2009, 810 hectares less than the 2007 harvest of 7,770 hectares.

Sweet corn

- 5,040 hectares of sweet corn were harvested in 2009, down 19 percent from 6,210 hectares in 2007.

The 2009 sweet corn harvest was affected by factors including competition (such as alternative land use), unfavourable weather conditions in Hawke's Bay, and the closure of a processing plant in South Canterbury.

More 2009 provisional statistics

Additional provisional statistics are available via [InfoShare](#) on the Statistics New Zealand website. Statistics are available, at the national level only, for pig numbers and more detailed age-sex categories for sheep, dairy and beef cattle, and deer.

Next release ...

Agricultural Production Statistics (Final): June 2009 will be released on 13 May 2010.

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Technical notes

Background

This release contains provisional results from the 2009 Agricultural Production Survey. This survey is part of an ongoing programme of agricultural production statistics conducted in partnership with the Ministry of Agriculture and Forestry. The current programme began with an agricultural production census in 2002 and was followed by yearly sample surveys from 2003 to 2006. An agricultural production census was held in 2007. Sample surveys were held in 2008 and 2009.

Target population

The target population for the 2009 Agricultural Production Survey was all businesses engaged in 'agricultural production activity' (including livestock, cropping, horticulture and forestry) or owned land that was intended for agricultural activity. The target population included businesses that were engaged in agriculture or forestry production as a secondary activity.

The target population was defined in terms of the Australian and New Zealand Standard Industrial Classification 2006 (ANZSIC06). It specifically included businesses classified as:

- A01 Agriculture
- A0301 Forestry (excluding native forestry)

and 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 target population specifically excluded:

- 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 frame

The 2009 Agricultural Production Survey includes all units identified on Statistics New Zealand's Business Frame as having agricultural activity. The Business Frame is a list of businesses in

New Zealand, based on their registration for goods and services tax (GST) with Inland Revenue. In the case of agriculture, the Business Frame includes:

- those units registered for GST (and filing a non-zero GST return) that have indicated involvement in agricultural activity (as defined above)
- those businesses with more than \$200,000 of GST sales or purchases, or that are an employer, whose main activity is not agriculture but that have indicated some secondary agricultural activity.

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

Responses from farmers and foresters in the 2009 Agricultural Production Survey have resulted in an estimated eligible population of 60,000 enterprises.

Time series consistency

Population changes

Users should note that while there is consistency in the frame from which the population has been drawn for agricultural production data collections from 2003 to 2009, there are differences for data collections before 2003.

From 1981 to 1991, the population was sourced from an agricultural directory. Statistics NZ maintained this directory by tracing transfers of farming, horticulture, and forestry land. In 1992, this agriculture directory was merged with Statistics NZ's Business Frame. For the 1992 and 1993 surveys, population units were drawn from the Business Frame by industrial classification. In the 1994 Agricultural Production Census, for the first time the population was extracted using both the industrial classification and GST registration information.

Between 1994 and 1996, the population was all businesses, sourced from the Business Frame, that were registered for GST and classified to agriculture. The 1999 Agricultural Production Survey population was sourced solely from AgriBase (a geospatial database owned and managed by AgriQuality New Zealand Ltd). The population for the 2000 Horticulture Production Survey was sourced from the Business Frame, supplemented by AgriBase and growers' lists. For the 2002 Census, the population was sourced from the Business Frame and the Inland Revenue Client Register. These sources were checked against industry lists and AgriBase to ensure all large units were included in the population. The Business Frame was used for the 2003, 2004, 2005, and 2006 surveys, the 2007 Census and the 2008 and 2009 surveys.

Survey content changes

Users should note that there have been changes to the core information gathered in agricultural production collections.

Since 1994, agricultural production collections have gathered information on livestock and arable farming, horticulture, and forestry with the following exceptions:

- In 1999, the survey collected information on livestock and arable farming only.
- In 2000, the survey collected horticulture production information only.
- In 2004, 2006, and 2008 the surveys collected information on livestock and arable farming, and forestry (horticulture production information was not collected).

Changes to horticultural crops included in the 2009 provisional release

Changes have been made to the horticultural crops included in the 2009 provisional release compared with the 2007 Agricultural Census, which was the last time statistics on horticultural crops were collected.

Results for kiwifruit and peaches are not included in the 2009 provisional release. These results will be available in the final data release after further data processing and analysis has been carried out. Final data will be released on 13 May 2010.

This release includes provisional figures for blackcurrants, cherries, fresh and processed peas, and sweet corn. These figures have been included to assist users of horticulture data.

2009 questionnaire changes

Supplementary feed crops

This section was expanded to collect information on forage, fodder, and green feed crops.

Grain and seed crops

This question was expanded to allow respondents to specify the amount and type of other grain and seed crops harvested. These descriptions were examined and reclassified, if appropriate, to the specified grain and seed crops.

Horticulture

Questions on the area of fruit trees and vines planted, and the area of vegetables and other horticulture crops harvested were included.

Cultivation and pasture renewal

The questions in this section were expanded to collect information on pasture renewal and method of cultivation.

Past questionnaire changes relevant for 2009

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 Agricultural Production Survey to align more closely with the National Exotic Forest Description survey (NEFD) run by the Ministry of Agriculture and Forestry.

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. This change takes into account industry recommendations. In 1994, 1995, 1996, 1999, 2003,

and 2004, data related to fawns weaned on the farm. In 2002, data related to fawns born on the farm.

Deer

Users should note that deer figures since the 2004 survey are not directly comparable with 2002 and 2003 figures. Improvements 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, Statistics NZ estimates an undercount of about 70,000 deer at 30 June 2002 and 50,000 at 30 June 2003.

Sample design

For the 2009 Agricultural Production Survey, a stratified sample design was used to select a sample from the population. In selecting this sample, the population was stratified by regional council area, ANZSIC group, and size group. The size groups were determined as follows:

- For those businesses that had previously responded to one or more of the agricultural production censuses or surveys since 2002, the most recent production data was used to form size groups. The variables used to form size groups covered a range of livestock and cropping variables. Typically, three size groups were formed: small, medium, and large.
- For new businesses or those businesses that did not respond to the 2002 to 2008 agricultural collections, a random sample was taken.

The 2009 Agricultural Production Survey has a sample size of 30,000.

Reliability of sample survey estimates

This release contains statistics from the 1994–1996, 1999, and 2002–2009 agricultural production collections, as well as the 2000 horticultural production data collection. All the results from these collections are subject to non-sampling error.

Non-sampling error arises from biases in the patterns of response and non-response, inaccuracies in reporting by respondents, and errors in the recording and classification of data. Statistics NZ adopts procedures to detect and minimise these types of errors, but they may still occur and are not easy to quantify.

As the 1995, 1996, 1999, 2003–2006, and 2008 and 2009 are sample surveys, not censuses, the results from these collections are also subject to sampling error. Sampling error arises from selecting a random sample of businesses and weighting the results, rather than holding a complete enumeration. The 2009 sample design has been optimised to produce a specified sampling error for certain combinations of key variables and regions, but not all. Also, the 2009 design is optimised on the basis of the distribution of past farmer responses, mainly those to the 2008 survey. Given the dynamic nature of the agricultural sector, the sample errors for 2009 may sometimes be smaller or larger than planned, particularly for those sectors or regions rapidly changing.

Imputation

Values have been imputed for farmers and foresters who did not return a completed questionnaire. Imputation involves replacing missing items with values based on other information available.

The method of imputation used is random 'hot deck' imputation. A proportion of non-respondents were estimated as ineligible. The remaining non-respondents were grouped into imputation cells based on regional council area, ANZSIC06 (Australian and New Zealand Standard Industrial Classification 2006) group, and prior years' production data. Each non-respondent was then randomly assigned to a respondent in the same imputation cell, and the farm production data of the respondent was copied across to the non-respondent. In order to improve the imputation process, respondents with uncharacteristically high levels of agricultural activity were removed from their respective imputation cells, as it was considered unlikely that any of the non-respondents would have similar characteristics to them.

Imputation levels

Imputation levels and sampling errors for the 2009 Agricultural Production Survey		
	Sampling errors at 95% confidence interval (%)	% of total estimate imputed
Ewe hoggets put to ram	12	18
Breeding ewes 2-tooth and over put to ram	4	19
Total sheep	4	19
Lambs born to ewe hoggets	17	22
Lambs born to ewes	4	20
Total lambs	4	20
Dairy cows and heifers, in milk or calf	5	25
Total dairy cattle	5	25
Calves born alive to dairy heifers/cows	5	31
Beef cows and heifers in calf (aged 1–2 years)	8	16
Beef cows and heifers in calf (aged 2 years and over)	5	18
Total beef cattle	3	19
Calves born alive to beef heifers/cows	5	26
Female deer mated	6	18
Total deer	5	17
Fawns born on the farm	6	19
Area of new forestry plantings (hectares)	22	6
Area of forestry replantings (hectares)	6	2
Exotic timber harvested (hectares)	1	2

Exotic timber harvested (cubic metres)	1	2
Wheat tonnage harvested	13	20
Wheat area harvested (hectares)	13	20
Barley tonnage harvested	9	24
Barley area harvested (hectares)	9	24
Oat grain tonnage harvested	43	14
Oat grain area harvested (hectares)	37	14
Maize grain tonnage harvested	15	20
Maize grain area harvested (hectares)	12	19
Other cereal grains tonnage harvested	50	9
Other cereal grains area harvested (hectares)	44	10
Net area planted in apples (hectares)	2	12
Net area planted in cherries (hectares)	< 1	8
Net area planted in blackcurrants (hectares)	< 1	13
Net area planted in avocados (hectares)	8	17
Net area planted in wine grapes (hectares)	2	14
Harvested area of onions (hectares)	46	8
Harvested area of peas (hectares)	20	20
Harvested area of sweet corn (hectares)	8	9
Harvested area of potatoes (hectares)	18	13
Harvested area of squash (hectares)	12	8

Response rates

The estimated proportion of eligible businesses that responded to the 2009 Agricultural Production Survey was 82 percent. These businesses represent 83 percent of the total estimated value of agricultural operations.

Revisions

In some cases, data collected before the 2009 Agricultural Production Survey may be revised. This revision usually results from the correction of information provided by survey respondents. Revised figures are indicated in the tables by an 'R'. Revisions to previous data have not been included in this provisional release. It will be included in the final data release in May 2010.

Confidentiality

Data collected and information contained in this release must conform to the provisions of the Statistics Act 1975. This requires that published information maintains the confidentiality of individual respondents. Figures affected by these provisions have been suppressed and are denoted by 'C'.

Quality suppressions

Data with high sample errors or imputation levels have been suppressed and are indicated by an 'S'.

More information

For more information, follow the link from the technical notes of this release on the Statistics NZ website.

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Timing

Timed statistical releases are delivered using postal and electronic services provided by third parties. Delivery of these releases may be delayed by circumstances outside the control of Statistics NZ. Statistics NZ accepts no responsibility for any such delays.

Tables

The following tables are printed with this Hot Off the Press and can also be downloaded from the Statistics New Zealand website in Excel format. If you do not have access to Excel, you may use the [Excel file viewer](#) to view, print and export the contents of the file.

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Agricultural Production Statistics : June 2009 (Provisional)

Table 1

Sheep Numbers⁽¹⁾⁽²⁾
1994–2009

	At 30 June		
	Ewe hoggets put to ram	Breeding ewes (2 tooth and older) put to ram	Total sheep
<i>Series ref: AGRA</i>	<i>SAEEZZZ</i>	<i>SAEBZZZ</i>	<i>SAEJZZZ</i>
Year			
1994	1,316,300	34,438,000	49,466,100
1995	1,305,600	33,693,000	48,816,300
1996	944,700	33,446,800	47,393,900
1997	..	..	..
1998	..	..	..
1999	1,869,500	30,364,300	45,679,900
2000	..	..	..
2001	..	..	..
2002	2,374,200	26,784,600	39,571,800
2003	2,271,800	27,086,600	39,552,100
2004	2,662,500	26,742,400	39,271,100
2005	3,130,400	26,418,800	39,879,700
2006	3,023,000	26,905,000	40,081,600
2007	2,524,700	26,063,300	38,460,500
2008	1,470,100	23,485,500	34,087,900
2009	1,782,000 P	22,160,000 P	32,356,700 P

(1) No agriculture production survey was conducted in 1997, 1998, and 2001. In 2000, the survey related only to horticulture. In 1994, 2002, and 2007, an agricultural census was conducted.

(2) Estimates have been rounded to the nearest 100.

Symbols:

P provisional
.. not applicable

Agricultural Production Statistics : June 2009 (Provisional)

Table 2

Lambs Marked or Tailed⁽¹⁾⁽²⁾
1994–2009

	Year to 30 June		
	Lambs born to ewe hoggets	Lambs born to ewes	Total lambs
<i>Series ref: AGRA</i>	<i>SAEPZZZ</i>	<i>SAEQZZZ</i>	<i>SAEKZZZ</i>
Year			
1994	..	..	36,243,900
1995	..	..	37,017,600
1996	..	..	35,148,900
1997	..	..	..
1998	..	..	..
1999	..	..	34,853,600
2000	..	..	..
2001	..	..	..
2002	1,139,700	31,507,700	32,647,400
2003	1,056,700	32,190,400	33,247,100
2004	1,071,900	30,782,000	31,853,900
2005	1,345,900	31,879,900	33,225,800
2006	1,558,300	32,251,600	33,809,900
2007	1,448,100	31,557,400	33,005,500
2008	1,092,600	29,927,600	31,020,200
2009	652,000 P	27,313,400 P	27,965,400 P

(1) No agriculture production survey was conducted in 1997, 1998, and 2001. In 2000, the survey related only to horticulture. In 1994, 2002, and 2007, an agricultural census was conducted.

(2) Estimates have been rounded to the nearest 100.

Symbols:

P provisional

.. not applicable

Agricultural Production Statistics : June 2009 (Provisional)

Table 3

Dairy Cattle Numbers⁽¹⁾⁽²⁾
1994–2009

	At 30 June		Year to 30 June
	Dairy cows and heifers in milk or in calf	Total dairy cattle	Calves born alive to dairy heifers/cows
<i>Series ref: AGRA</i>	<i>SABAZZZ</i>	<i>SABDZZZ</i>	<i>SABJZZZ</i>
Year			
1994	2,994,000	3,839,200	2,456,000
1995	3,153,200	4,089,800	2,499,000
1996	3,219,500	4,165,100	2,602,300
1997	..	..	..
1998	..	..	..
1999	3,337,500	4,316,400	..
2000	..	..	..
2001	..	..	..
2002	3,841,600	5,161,600	3,225,200
2003	3,928,100	5,101,600	3,115,900
2004	4,103,300	5,152,500	3,157,500
2005	4,120,200	5,087,200	3,320,000
2006	4,137,700	5,169,600	3,313,100
2007	4,167,100	5,260,800	3,392,600
2008	4,347,700	5,578,400	3,500,200
2009	4,597,200 P	5,823,200 P	3,693,800 P

(1) No agriculture production survey was conducted in 1997, 1998, and 2001. In 2000, the survey related only to horticulture. In 1994, 2002, and 2007, an agricultural census was conducted.

(2) Estimates have been rounded to the nearest 100.

Symbols:

P provisional
.. not applicable

Agricultural Production Statistics : June 2009 (Provisional)

Table 4

Beef Cattle Numbers⁽¹⁾⁽²⁾
1994–2009

	At 30 June			Year to 30 June
	Beef cows and heifers in calf (aged 1–2 years)	Beef cows in calf (aged 2 years and over)	Total beef cattle	Calves born alive to beef heifers/cows
<i>Series ref. AGRA</i>	<i>SACUZZZ</i>	<i>SACTZZZ</i>	<i>SACLZZZ</i>	<i>SACEZZZ</i>
Year				
1994	..	..	5,047,800	..
1995	..	..	5,182,500	..
1996	..	..	4,852,200	..
1997	..	..	..	..
1998	..	..	..	..
1999	..	..	4,643,700	..
2000	..	..	..	..
2001	..	..	..	..
2002	157,600	1,101,600	4,491,300	1,083,500
2003	152,700	1,135,500	4,626,600	1,079,300
2004	155,400	1,107,800	4,447,400	1,013,900
2005	155,300	1,100,000	4,423,600	1,018,700
2006	187,900	1,081,100	4,439,100	1,004,500
2007	167,200	1,027,900	4,393,600	1,015,100
2008	145,600	958,000	4,136,900	978,100
2009	138,300 P	943,500 P	4,093,600 P	911,300 P

(1) No agriculture production survey was conducted in 1997, 1998, and 2001. In 2000, the survey related only to horticulture. In 1994, 2002, and 2007, an agricultural census was conducted.

(2) Estimates have been rounded to the nearest 100.

Symbols:

P provisional

.. not applicable

Agricultural Production Statistics : June 2009 (Provisional)

Table 5

Deer Numbers⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾
1994–2009

	At 30 June		Year to 30 June
	Female deer mated	Total deer	Fawns born on the farm
<i>Series ref: AGRA</i>	<i>SARCZZZ</i>	<i>SAGXZZZ</i>	<i>SAR3ZZZ</i>
Year			
1994	543,100	1,231,100	370,500
1995	508,600	1,178,700	367,100
1996	541,700	1,192,100	381,700
1997	..	..	..
1998	..	..	..
1999	834,100	1,676,800	..
2000	..	..	..
2001	..	..	..
2002	891,300	1,647,900	654,700
2003	885,600	1,689,400	670,400
2004	867,900	1,756,900	699,700
2005	821,200	1,705,100	648,400
2006	738,100	1,586,900	595,800
2007	680,100	1,396,000	536,600
2008	594,800	1,223,300	494,200
2009	569,100 P	1,153,000 P	435,900 P

- (1) No agriculture production survey was conducted in 1997, 1998, and 2001. In 2000, the survey related only to horticulture. In 1994, 2002, and 2007, an agricultural census was conducted.
- (2) Estimates have been rounded to the nearest 100.
- (3) Changes were made to the question design in the 2004 and 2005 Agriculture Production Survey. Figures from 2004 onwards may not be directly comparable with those from previous years.
- (4) Statistics New Zealand estimates an undercount of about 70,000 deer at 30 June 2002, and 50,000 at 30 June 2003.

Symbols:

- P provisional
.. not applicable

Agricultural Production Statistics : June 2009 (Provisional)

Table 6

Forestry⁽¹⁾⁽²⁾⁽³⁾
1994–2009

	Exotic planting		Exotic harvesting	
	New area	Replanted		
	(Hectares)		(Cubic metres)	
<i>Series ref: AGRA</i>	<i>SAAMZZZ</i>	<i>SAANZZZ</i>	<i>SAAOZZZ</i>	<i>SAAPZZZ</i>
Year ended				
30 Jun 1994	60,800	21,700	..	..
30 Jun 1995	59,500	27,600	24,500	..
30 Jun 1996	57,000	28,100	28,400	15,009,900
30 Jun 1997	..	..	..	..
30 Jun 1998	..	..	..	..
30 Jun 1999	..	..	..	..
30 Jun 2000	..	..	..	..
31 Dec 2001	33,700	42,500	46,700	20,420,100
31 Dec 2002	19,000	43,200	49,400	22,812,500
31 Dec 2003	15,900	44,600	49,200	21,555,400
31 Mar 2005	9,700	41,300	40,900	18,362,100
31 Mar 2006	4,200	36,100	42,800	18,376,900
31 Mar 2007	2,600	33,000	42,300	19,107,400
31 Mar 2008	2,700	33,100	42,700	19,204,100
31 Mar 2009	2,300 P	31,100 P	40,000 P	18,903,200 P

- (1) No agriculture production survey was conducted in 1997, 1998, and 2001. The 1999 survey related only to livestock and arable farming. In 2000, the survey related only to horticulture. In 1994, 2002, and 2007, an agricultural census was conducted. Data for 2001 was collected from the 2002 Agricultural Production Census.
- (2) Estimates have been rounded to the nearest 100 hectares or cubic metres.
- (3) Figures before 2001 are for the year ended 30 June. Figures for 2001, 2002, and 2003 are for the year ended 31 December. Figures from 2005 onwards are for the year ended 31 March.

Symbols:

- P provisional
.. not applicable

Agricultural Production Statistics: June 2009 (Provisional)

Table 7

Grain Crops⁽¹⁾
2003–2009

Year	Year to 30 June									
	Wheat		Barley		Oats		Maize grain		Other cereal grains	
	Tonnage harvested	Area harvested (Hectares)	Tonnage harvested	Area harvested (Hectares)	Tonnage harvested	Area harvested (Hectares)	Tonnage harvested	Area harvested (Hectares)	Tonnage harvested	Area harvested (Hectares)
<i>Series ref: AGRA</i>	<i>SAHKZZZ</i>	<i>SAH0ZZZ</i>	<i>SAHMZZZ</i>	<i>SAHXZZZ</i>	<i>SAHLZZZ</i>		<i>SAHOZZZ</i>			
2003	318,900	42,600	371,800	63,400	29,900	5,900	211,700	19,500	12,100	2,400
2004	255,900	39,100	226,100	48,500	30,800	7,500	234,200	20,300	16,000	2,700
2005	318,900	39,400	302,000	49,800	28,700	7,900	210,300	19,200	11,500	1,700
2006	261,800	38,000	277,000	47,100	28,500	6,300	215,600	19,700	5,700	1,200
2007	344,400	40,500	335,600	51,500	27,500	5,800	185,600	17,000	13,700	2,300
2008	343,400	42,300	408,700	67,400	25,500	5,200	205,600	18,300	16,200	2,200
2009	408,400 P	53,900 P	449,800 P	77,800 P	41,600 P	8,500 P	257,000 P	23,100 P	12,800 P	2,600 P

(1) Estimates have been rounded to the nearest 100 hectares or 100 tonnes.

Symbol:

P provisional

Agricultural Production Statistics : June 2009 (Provisional)

Table 8

Net Area Planted in Outdoor Fruit ⁽¹⁾⁽²⁾
1994–2009

	At 30 June				
	Apples	Cherries	Blackcurrants	Avocados	Wine grapes ⁽³⁾
	(Hectares)				
<i>Series ref: AGRA</i>	SAYAZZZ	SAYIZZZ	SAY2ZZZ	SAYLZZZ	SAY8ZZZ
Year					
1994	15,260	270	720	1,370	7,160
1995	15,920	350	710	1,590	7,380
1996	15,820	340	610	1,570	7,630
1997	..	..	..	..	..
1998	..	..	..	..	..
1999	..	..	..	..	..
2000	14,110	540	830	2,650	12,660
2001	..	..	..	..	..
2002	11,720	550	1,310	3,110	17,300
2003	12,150	570	S	3,240	19,650
2004	..	..	..	..	..
2005	10,980	520	1,310	3,400	24,800
2006	..	..	..	..	..
2007	9,250	520	1,280	4,000	29,620
2008	..	..	..	..	..
2009	9,280 P	600 P	1,270 P	4,140 P	32,960 P

(1) No agricultural production survey was conducted in 1997, 1998, and 2001. In 1999, 2004, 2006, and 2008 the survey did not collect horticultural production information. In 1994, 2002, and 2007, an agricultural census was conducted.

(2) Estimates have been rounded to the nearest 10 hectares.

(3) Table grapes grown outdoor were included prior to 2000.

Symbols:

P provisional
.. not applicable
S suppressed

Agricultural Production Statistics : June 2009 (Provisional)

Table 9

Harvested Area of Outdoor Vegetables ⁽¹⁾⁽²⁾
1994–2009

	Year to 30 June				
	Onions	Peas (includes fresh and processed peas)	Sweet corn	Potatoes	Squash
	(Hectares)				
Series ref: AGRA	SAUVZZZ	SAUXZZZ	SAU3ZZZ	SAQMZZZ	SAUYZZZ
Year					
1994	4,930	9,870	5,530	9,520	7,510
1995	5,700	10,870	7,380	10,590	6,830
1996	5,770	8,660	7,170	10,120	6,470
1997	..	..	..	..	..
1998	..	..	..	..	..
1999	..	..	..	..	..
2000	7,040	7,570	6,380	11,820	6,710
2001	..	..	..	..	..
2002	5,620	7,680	5,790	11,080	6,560
2003	5,750	9,710	7,040	10,930	6,800
2004	..	..	..	..	..
2005	4,930	8,750	7,120	10,850	6,980
2006	..	..	..	..	..
2007	4,590	6,790	6,210	10,050	7,770
2008	..	..	..	..	..
2009	4,600 P	6,190 P	5,040 P	11,490 P	6,960 P

(1) No agricultural production survey was conducted in 1997, 1998, and 2001. In 1999, 2004, 2006, and 2008 the survey did not collect horticultural production information. In 1994, 2002, and 2007, an agricultural census was conducted.

(2) Estimates have been rounded to the nearest 10 hectares.

Symbols:

P provisional

.. not applicable