

COMPENDIUM OF NEW ZEALAND

# FARM FACTS

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Beef + Lamb New Zealand  
Economic Service  
PO Box 121, Wellington 6140  
E-mail: [econ@beeflambnz.com](mailto:econ@beeflambnz.com)  
Phone: +64 (4) 473 9150  
Website: [www.beeflambnz.com](http://www.beeflambnz.com)

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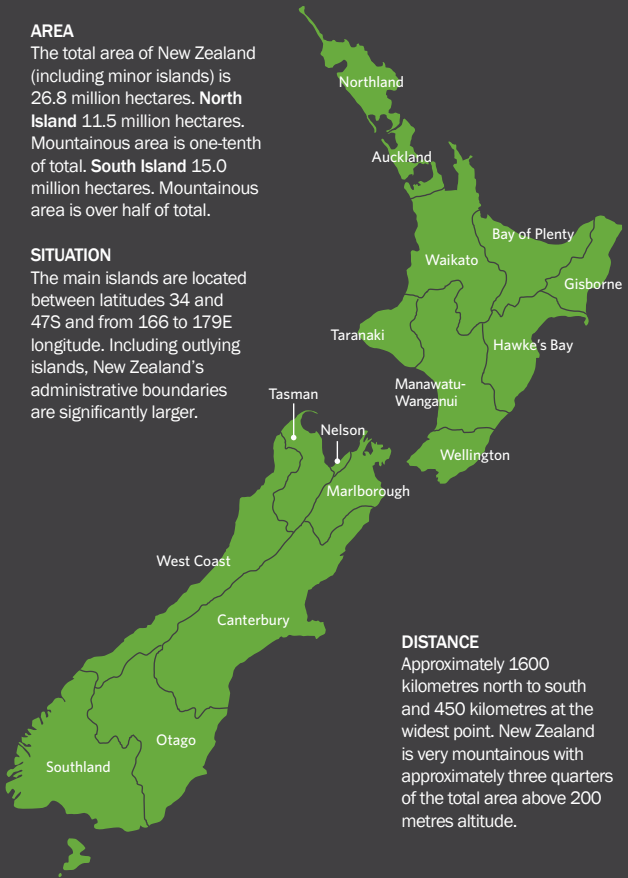
## Geography

### AREA

The total area of New Zealand (including minor islands) is 26.8 million hectares. **North Island** 11.5 million hectares. Mountainous area is one-tenth of total. **South Island** 15.0 million hectares. Mountainous area is over half of total.

### SITUATION

The main islands are located between latitudes 34 and 47S and from 166 to 179E longitude. Including outlying islands, New Zealand's administrative boundaries are significantly larger.



### DISTANCE

Approximately 1600 kilometres north to south and 450 kilometres at the widest point. New Zealand is very mountainous with approximately three quarters of the total area above 200 metres altitude.

## Climate 2016

2016 was New Zealand's warmest year on record.

**Temperatures** Annual temperatures were above average throughout the country, with very few locations observing near average temperatures or lower. 2016 was the warmest on record for New Zealand, based on NIWA's seven-station series which began in 1909.

**Rainfall** Yearly rainfall was above normal for parts of Kapiti Coast, Tasman, West Coast and Fiordland. In contrast, rainfall was below normal in parts of eastern New Zealand, south of Napier and north of Christchurch. Rainfall was near normal for the remainder of New Zealand.

**Sunshine** Annual sunshine was predominantly near normal throughout New Zealand, although small sections of the country observed above average sunshine. Richmond, near Nelson, experienced New Zealand's highest annual sunshine total on record. Sunshine was below normal in parts of Bay of Plenty.

**Soil moisture** Below normal soil moisture levels prevailed in eastern parts of north Canterbury and eastern parts of Wairarapa for much of the year. By the end of April, soil moisture levels were below normal for the time of year for eastern and inland parts of the South Island, and extensive parts of the North Island. Abundant November rainfall contributed to soil moisture levels that were above normal for the time of year in Bay of Plenty, Wellington, Tasman, Nelson, Marlborough, Otago and Southland.

## Annual rainfall by district (mm)\*

NORTH ISLAND		SOUTH ISLAND	
Kaitiaki	1,351	Nelson	960
Whangarei	1,304	Blenheim	711
Auckland	1,212	Westport	2,121
Tauranga	1,181	Kaikoura	710
Hamilton	1,108	Hokitika	2,901
Rotorua	1,342	Christchurch	618
Gisborne	996	Mt Cook	4,485
Taupo	960	Lake Tekapo	592
New Plymouth	1,386	Timaru	548
Napier	785	Milford Sound	6,715
Wanganui	918	Queenstown	749
Palmerston North	917	Alexandra	359
Masterton	928	Manapouri	1,129
Wellington	1,207	Dunedin	738
		Invercargill	1,149
		Chatham Islands	911

\* 30-year average, 1981 - 2010

Source: NIWA

## Population

New Zealand's total population is estimated at 4,692,700 at 30 June 2016, an increase of 2.1% over the previous 12 months. In 2014, 14% of the population lived in rural areas and 86% lived in urban areas.



MAIN URBAN AREAS		SECONDARY URBAN AREAS	
Whangarei	56,400	Pukekohe	29,900
Auckland	1,495,000	Tokoroa	13,700
Hamilton	229,900	Taupo	24,100
Tauranga	134,500	Whakatane	19,600
Rotorua	57,800	Hawera	11,800
Gisborne	36,100	Feilding	16,250
Napier / Hastings	131,000	Levin	20,600
New Plymouth	56,800	Masterton	21,200
Wanganui	39,600	Blenheim	30,800
Palmerston North	84,300	Greymouth	9,750
Kapiti	41,800	Ashburton	19,850
Wellington	405,000	Timaru	28,800
Nelson	65,700	Oamaru	13,850
Christchurch	389,500	Gore	9,890
Dunedin	118,500		
Invercargill	50,700		

Source: Statistics New Zealand

## FARMING



### Area of farming land 2015

13.9 million hectares, of which:

- 7.8 in grassland
- 2.4 in tussock or danthonia
- 1.6 in plantations
- 2.1 in other land or holdings

### Farm holdings 2015

In 2015 there were 55,263 holdings, irrespective of size or location, with an average area of 252 hectares.

Source: Statistics New Zealand, 2015 Agricultural Production Survey

## Types of farms 2012

44%	mainly sheep & beef farming	5%	crop farming
21%	mainly dairy farming	15%	horticulture & orchards
6%	mixed livestock	9%	other

Source: Statistics New Zealand, 2012 Agricultural Census

## Farms by farm type 2012

	NUMBER OF FARMS <sup>1</sup>	AGRICULTURAL AREA (000 HA)
Sheep & Beef Farming	25,113	9,328
Dairying	12,150	2,415
Cropping	3,297	284
Deer Farming	1,128	287
Pig Farming	225	11
Poultry	135	3
Total	42,048	12,327
Other (including forestry)	16,020	2,067
<b>TOTAL ALL FARM TYPES</b>	<b>58,068</b>	<b>14,394</b>

1 Includes non-commercial smallholding farms.

Source: Statistics New Zealand, 2012 Agricultural Census

## LIVESTOCK OVERVIEW



### Livestock numbers at 30 June (million)

	2006	2016	% CHANGE
Sheep	40.10	27.58	-31%
Beef Cattle	4.44	3.47	-22%
Dairy Cattle	5.17	6.50	+26%
Deer	1.59	0.85	-47%
<b>Total Stock Units<sup>1-2</sup></b>	<b>93.66</b>	<b>84.31</b>	<b>-10%</b>

1 Includes goats. 2 Provisional data for 2016.

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand

Total stock units at 30 June 2016 decreased an estimated 10% compared with 2006. The reduction is largely due to the decline in sheep numbers.

While the stock unit is a broad measure of pasture demand, it could be argued that the stock units in 2016 were better fed and more productive than in 2006.

## Livestock productivity

	Unit	2005-06	2015-16	change
Lambing Performance	lambs/100 ewes	122	124	+2 pts
Lamb Weight	kg/head	17.2	18.3	+7%
Lamb Production	kg/ewe	16.6	19.5	+17%
Wool Production	kg/head	5.6	5.0	-11%
Steer Weight	kg/head	319	308	-4%
Milk Production	kgMS/cow	325	372	+14%

Source: Beef + Lamb New Zealand Economic Service, Livestock Improvement Corporation Ltd, DairyNZ

## Livestock by production region at 30 June 2015 (000)

	TOTAL SHEEP	TOTAL BEEF	TOTAL DAIRY	TOTAL DEER
Nth/Sth Auckland	3,772	1,152	2,655	128
East Coast	7,314	926	296	100
Taranaki/Manawatu	3,425	446	869	55
<b>NORTH ISLAND</b>	<b>14,512</b>	<b>2,524</b>	<b>3,820</b>	<b>284</b>
Canterbury/Westland	5,898	636	1,649	303
Otago	4,638	223	286	116
Southland	4,073	165	731	198
<b>SOUTH ISLAND</b>	<b>14,609</b>	<b>1,023</b>	<b>2,666</b>	<b>616</b>
<b>NEW ZEALAND</b>	<b>29,121</b>	<b>3,547</b>	<b>6,486</b>	<b>900</b>

Totals may not add due to rounding.

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand

## Livestock by production region at 30 June 2015 (%)

	TOTAL SHEEP	TOTAL BEEF	TOTAL DAIRY	TOTAL DEER
Nth/Sth Auckland	13%	32%	41%	14%
East Coast	25%	26%	5%	11%
Taranaki/Manawatu	12%	13%	13%	6%
<b>NORTH ISLAND</b>	<b>50%</b>	<b>71%</b>	<b>59%</b>	<b>32%</b>
Canterbury/Westland	20%	18%	25%	34%
Otago	16%	6%	4%	13%
Southland	14%	5%	11%	22%
<b>SOUTH ISLAND</b>	<b>50%</b>	<b>29%</b>	<b>41%</b>	<b>68%</b>
<b>NEW ZEALAND</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand



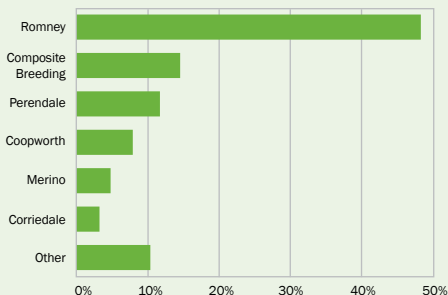
## SHEEP



### Sheep numbers at 30 June 2016

18.1	million breeding ewes
9.4	million ewe hoggets, dry ewes, wethers and rams
27.6	million sheep wintered
-31.2	% on 2006
-5.3	% on 2015

### Sheep breeds 2014-15



Source: Beef + Lamb New Zealand Economic Service, Sheep & Beef Farm Survey

### Breeding flocks

The major breed in the North Island and southern districts of the South Island is the Romney. Corriedale and Halfbred sheep are mainly found in Canterbury, Marlborough and parts of Otago. Merino sheep are predominantly farmed in the South Island high country.

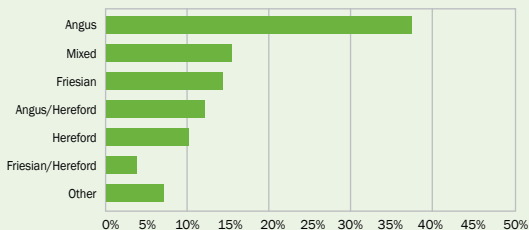
## BEEF CATTLE



### Beef cattle at 30 June 2016

Beef cattle numbers were provisionally 3.5 million, of which 1.0 million were beef breeding cows and heifers. 71% of total beef cattle were in the North Island. Few farmers devote themselves exclusively to beef production. In general, the raising and finishing of beef cattle is carried out in conjunction with sheep farming. In addition, beef is produced from cull dairy cows, bobby calves and raising young bulls to produce bull beef.

#### Beef cattle breeds 2014-15



Source: Beef + Lamb New Zealand Economic Service, Sheep & Beef Farm Survey

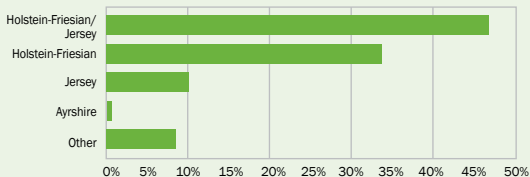
## DAIRY CATTLE



### Dairy cattle at 30 June 2016

Dairy cattle, including cows, replacement heifers and breeding bulls, totalled 6.6 million at 30 June 2016.

#### Dairy cow breeds 2015-16



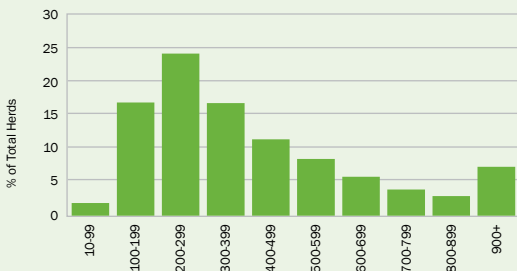
Source: Livestock Improvement Corporation Ltd, DairyNZ

61% of dairy cattle were in the North Island. The total herd of dairy cows and heifers in calf at 30 June 2016 was 5.2 million.

## Herd size

Average herd size in 2005–06 322 cows  
2015–16 419 cows (+30%)

### Dairy herd size distribution 2015–16



Source: Livestock Improvement Corporation Ltd, DairyNZ

## DEER



### Farmed deer numbers at 30 June 2016p

Breeding hinds	417,709	Other deer	68,308
Weaners	366,902	Total deer	852,919

For the year ended September 2016, total deer industry exports were \$245 million FOB. Venison exports were worth \$164 million FOB, velvet export earnings totalled \$42 million FOB while co-products and other totalled \$24 million FOB. Deer hides and leather receipts were \$15 million FOB.

Venison exports totalled 12,905 tonnes, of which 24% went to Germany, 14% to Benelux and 20% went to the USA. In 2015-16, China remained the largest export destination for New Zealand velvet, accounting for 51% of export receipts although Korea remains the largest market for the consumption of New Zealand velvet.

Source: Deer Industry New Zealand

## GOATS



A total of 74,718 farmed goats were recorded in 2015 by Statistics New Zealand. About 64% of goats were in the North Island, with the largest populations in Waikato. It is estimated that two-thirds of goats were on commercial sheep and beef farms.

For the year ended September 2016, goat exports totalled \$8.5 million FOB (excludes goat dairy products). This comprised \$7.7 million FOB of goat meat, \$0.6 million FOB of goat fibre and \$0.1 million FOB of skins.

Source: Statistics New Zealand

## PIGS



Pig production in the year ended September 2016 was 625,498 pigs, a decrease of 0.1% compared to the year ended September 2015 (625,890 pigs). Production decreased by 6.4% in the North Island and increased by 4.0% in the South Island. 63% of all pigs marketed were slaughtered in the South Island. Most of the pig meat production is consumed in the local market. Supply of pig meat was 106,766 tonnes (carcass weight equivalent) of which 65,986 tonnes (62%) were imported.

Source: New Zealand Pork

## MEAT



The total number of livestock processed for the year ended 30 September 2016 at export plants and abattoirs was:

20.3 million lambs	2.6 million cattle	0.6 million pigs
4.0 million sheep	1.9 million calves	0.3 million deer
		0.1 million goats

Total meat production on a bone-in-basis for the same period was:

	000 TONNES	% AVAILABLE FOR EXPORT <sup>1</sup>
Lamb	372.0	98%
Mutton	99.0	97%
Beef & Veal	663.0	93%
Pig meat	40.8	NA
Goat meat	1.4	62%
Venison	17.7	99%
<b>Total</b>	<b>1,193.8</b>	<b>92%</b>

1 Some was consumed in New Zealand.

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand, Deer Industry New Zealand and New Zealand Pork

## Meat exports Year ended 30 September 2016

	TOTAL TONNES SW	\$ 000 FOB	\$ PER TONNE SW
Carcases	4,493	29,910	6,657
Cuts	247,158	1,823,735	7,379
Boneless	51,887	596,138	11,489
<b>LAMB</b>	<b>303,538</b>	<b>2,449,784</b>	<b>8,071</b>
Carcases	14,627	58,622	4,008
Cuts	50,017	197,376	3,946
Boneless	18,783	129,947	6,918
<b>MUTTON</b>	<b>83,427</b>	<b>385,944</b>	<b>4,626</b>
Carcases	66	281	4,241
Cuts	36,779	170,226	4,628
Boneless	363,741	2,693,129	7,404
<b>BEEF</b>	<b>400,586</b>	<b>2,863,635</b>	<b>7,149</b>
Carcases	479	1,533	3,198
Cuts	7,211	28,377	3,935
Boneless	15,334	97,538	6,361
<b>BOBBY</b>	<b>23,024</b>	<b>127,447</b>	<b>5,535</b>
<b>GOAT</b>	<b>923</b>	<b>7,705</b>	<b>8,349</b>
<b>OFFALS</b>	<b>69,669</b>	<b>250,097</b>	<b>3,590</b>
<b>TOTAL</b>	<b>881,168</b>	<b>6,084,613</b>	<b>6,905</b>

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand

## Meat exports by region Year ended 30 September 2016

% of total tonnes SW

	LAMB	MUTTON	BEEF & VEAL	OTHER <sup>1</sup>
Africa	2%	2%	0%	10%
European Union	41%	18%	2%	14%
Middle East	6%	2%	2%	9%
North America	10%	6%	53%	6%
North Asia	35%	62%	34%	31%
Pacific	3%	1%	2%	4%
South Asia	1%	8%	6%	14%
Other	2%	1%	1%	12%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

1 Other meat and offal, variety meats, goat meat.

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand

## Average export carcass weights kg per head

Year ended 30 September	2015	2016	% change
<b>LAMB</b>			
North Island	18.42	18.46	0.2%
South Island	17.75	18.23	2.7%
NEW ZEALAND	18.09	18.35	1.4%
<b>MUTTON</b>			
North Island	24.67	24.68	0.0%
South Island	25.40	25.64	0.9%
NEW ZEALAND	25.04	25.13	0.4%
<b>STEER AND HEIFER</b>			
North Island	271.45	275.31	1.4%
South Island	271.76	276.84	1.9%
NEW ZEALAND	271.54	275.74	1.5%
<b>COW</b>			
North Island	195.62	193.23	-1.2%
South Island	199.87	199.02	-0.4%
NEW ZEALAND	197.04	195.29	-0.9%
<b>BULL</b>			
North Island	297.71	305.33	2.6%
South Island	298.13	300.21	0.7%
NEW ZEALAND	297.79	304.28	2.2%

Source: Beef + Lamb New Zealand Economic Service, New Zealand Meat Board

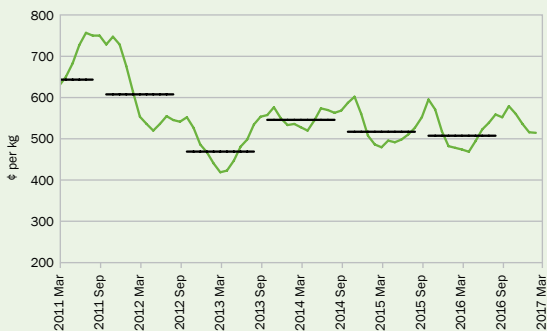
## Average export payment to farmers \$ per head

Year ended 30 September	LAMB <sup>1</sup>	MUTTON <sup>1</sup>	BEEF
2006	56.21	40.44	782.38
2007	53.89	36.30	776.20
2008	58.55	34.08	809.56
2009	89.83	50.01	818.68
2010	81.30	56.43	810.88
2011	117.64	91.76	970.89
2012	113.58	94.57	1,016.46
2013	85.30	60.79	933.43
2014	100.04	76.43	909.11
2015	93.92	66.80	1,144.16
2016	93.48	56.69	1,181.22

<sup>1</sup> Per head returns including skin and wool pull payments net of processing charges.

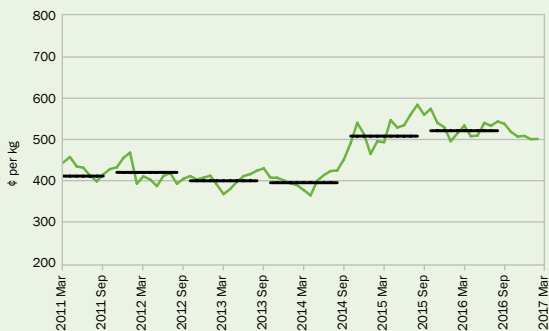
Source: Beef + Lamb New Zealand Economic Service

## All grades lamb month and annual average



Source: Beef + Lamb New Zealand Economic Service

## M bull month and annual average



Source: Beef + Lamb New Zealand Economic Service

## New Zealand meat consumption

Year ended September 2009

	KG PER CAPITA	%
Lamb	7.5	8%
Mutton	2.8	4%
Beef and Veal	28.0	31%
Poultry	31.3	35%
Pig meat	19.6	22%
TOTAL	89.2	100%

Source: Beef + Lamb New Zealand Economic Service, Poultry Industry Association of New Zealand, New Zealand Pork Industry

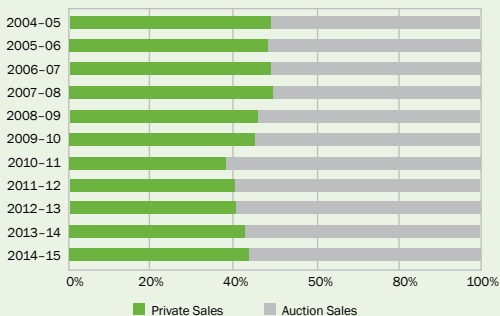
## WOOL



In 2015-16, New Zealand was the third largest producer of wool in the world and produced 9.5% of world production.

The main shear generally takes place from November to January and sheep are machine-shorn on approximately 40,000 stands. Merino sheep are sometimes blade-shorn in cooler regions.

### Farm-gate wool sales



Source: Beef + Lamb New Zealand Economic Service, Sheep & Beef Farm Survey



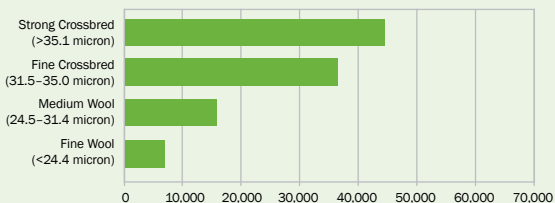
## Sheep numbers, wool production and auction price

YEAR	OPENING SHEEP (000 head)	PRODUCTION (000t greasy)	PRICE (NZ c/kg greasy)
1990-91	57,852	305.3	316.4
2000-01	42,260	236.7	392.2
2001-02	40,033	228.9	385.3
2002-03	39,572	229.6	414.0
2003-04	39,552	217.7	353.3
2004-05	39,271	215.5	326.3
2005-06	39,880	224.5	298.6
2006-07	40,098	217.6	309.6
2007-08	38,460	205.8	313.7
2008-09	34,088	157.5	308.7
2009-10	32,384	185.8	313.5
2010-11	32,563	172.7	469.9
2011-12	31,132	164.9	498.1
2012-13	31,263	169.9	384.5
2013-14	30,787	158.2	430.8
2014-15	29,803	154.5	442.9
2015-16	29,121	146.0	494.1

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand



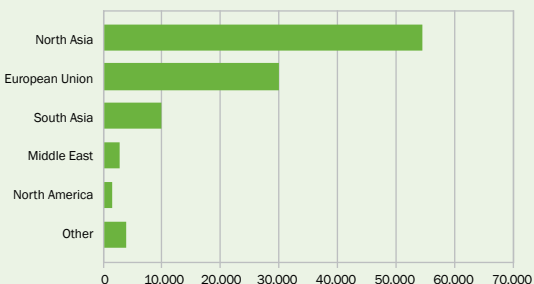
## Wool exports Year ended June 2016 (tonnes clean)



Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand

Wool fibre export earnings for the year ended 30 June 2016 were \$760.1 million FOB. Wool carpet and rug export receipts were \$132.5 million FOB, with intermediate products (tops, yarns and sliver) and other final woollen products contributing a further \$47.8 million FOB. All wool products represented 2.0% (\$940.3 million FOB) of the total value of New Zealand merchandise exports.

## Wool exports Year ended June 2016 (tonnes clean)



Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand



## Dairy companies

Three export New Zealand dairy companies are co-operatives: Fonterra, Tatua and Westland. In addition, there are seven other dairy companies exporting dairy products: Goodman Fielder, Open Country, Synlait, Miraka, Yashili, Danone and Oceania Dairy. The largest of these companies is Fonterra, which is owned by over 10,500 dairy farmers, and processes around 18 billion litres of milk.

## Dairy production 2015-16

In 2015-16, production per cow was 372 kg milksolids or 4,185 litres of milk (comprising 210 kg milk fat and 162 kg protein content).

## Dairy meat 2015-16

In the year ended 30 September 2016, 1.93 million bobby calves and 1.10 million cull cows were processed. In spring 2015, an estimated 0.48 million calves were retained for dairy beef production.

## Exports of dairy produce Year ended September 2016

	000 TONNES	%
Milk powder	1,840	29%
Milk solids	1,674	26%
Whole milk	1,343	21%
Butter	510	8%
Skim milk	450	7%
Cheese	348	5%
Casein	103	2%
Whey	107	2%

Source: Statistics New Zealand



Arable farming in New Zealand is located mainly on the plains and easier downland country in the South Island. The greater portion of the area sown is in Canterbury.

## Cash crops

In the year ended June 2016, wheat was harvested from 45,800 hectares, barley from 50,000 hectares, maize from 16,900 hectares and oats from 7,000 hectares. Associated yields for wheat, barley, maize and oats were 9.1, 6.9, 11.6 and 5.2 tonnes per hectare respectively.

## Grain and seed crop production

Year ended 30 June 2012

	NORTH ISLAND	SOUTH ISLAND	NEW ZEALAND
<b>WHEAT</b>			
Tonnes	15,500	473,100	488,600
Hectares	2,600	52,200	54,800
Tonnes/ha	6.0	9.1	8.9
<b>BARLEY</b>			
Tonnes	48,800	390,000	438,800
Hectares	9,200	56,500	65,700
Tonnes/ha	5.3	6.9	6.7
<b>MAIZE</b>			
Tonnes	205,800	5,400	211,200
Hectares	18,900	500	19,400
Tonnes/ha	10.9	10.8	10.9
<b>OATS</b>			
Tonnes	600	17,500	18,100
Hectares	200	3,700	3,900
Tonnes/ha	3.0	4.7	4.6

Totals may not add due to rounding.

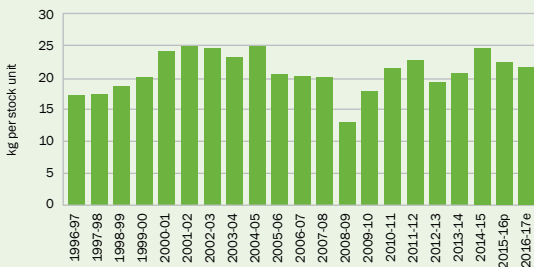
Source: Statistics New Zealand, 2012 Agricultural Census



## Fertiliser sales

Most New Zealand soils need fertilisers and topdressing of pastures is essential for their maintenance and productivity. Peak deliveries each year are made in October and again in February to April, when spring and autumn topdressing take place, to make the most efficient use of the fertiliser.

### Sheep and beef farm fertiliser use



Source: Beef + Lamb New Zealand Economic Service, Sheep & Beef Farm Survey, All Classes Sheep and Beef Farm

Fertiliser usage varies considerably between regions due to differences in soil type, climate and type of farming. There is a strong link between stock performance and fertiliser use.

### Sheep and beef farm fertiliser use 2015-16p

	KG PER STOCK UNIT	KG PER HECTARE <sup>1</sup>
Northland/Waikato/BOP	25.3	239.5
East Coast	19.4	161.9
Taranaki/Manawatu	20.6	187.0
<b>NORTH ISLAND</b>	<b>21.8</b>	<b>193.5</b>
Marlborough/Canterbury	25.9	124.2
Otago/Southland	20.8	106.3
<b>SOUTH ISLAND</b>	<b>23.8</b>	<b>116.1</b>
<b>NEW ZEALAND</b>	<b>22.7</b>	<b>146.3</b>

1 Effective area

Source: Beef + Lamb New Zealand Economic Service, Sheep & Beef Farm Survey, All Classes Sheep and Beef Farm



## Sheep and beef farm revenue, expenditure and profit

\$ per Farm<sup>1</sup>

SUMMARY		2005-06	2014-15	2015-16p
<b>1</b>	<b>REVENUE</b>			
2	Wool	41,075	51,395	52,800
3	Sheep	141,069	209,679	182,900
4	Cattle	74,901	125,098	121,600
5	Dairy Grazing	7,373	31,995	30,000
6	Deer + Velvet	3,120	3,401	3,800
7	Goat + Fibre	14	47	0
8	Cash Crop	25,007	50,108	50,000
9	Other	8,458	17,085	16,400
<b>10</b>	<b>TOTAL GROSS REVENUE</b>	<b>301,017</b>	<b>488,808</b>	<b>457,500</b>
<b>11</b>	<b>EXPENDITURE</b>			
12	Fert, Lime & Seeds	37,604	66,421	61,100
13	Repairs & Maintenance	20,710	32,395	31,400
14	Other Working Expenses	112,926	159,961	160,900
<b>15</b>	<b>TOTAL WORKING EXPENSES</b>	<b>171,240</b>	<b>258,777</b>	<b>253,400</b>
16	Interest & Rent	47,055	65,823	62,900
17	Other Standing Charges	16,068	25,403	25,900
18	Depreciation	24,956	28,850	28,700
<b>19</b>	<b>TOTAL EXPENDITURE</b>	<b>259,319</b>	<b>378,853</b>	<b>370,900</b>
<b>20</b>	<b>FARM PROFIT BEFORE TAX<sup>2</sup></b>	<b>41,698</b>	<b>109,955</b>	<b>86,600</b>

1 The Weighted Average All Classes Sheep and Beef Farm at 30 June 2015 carried 2,698 sheep, 328 beef cattle and 25 deer totalling 4,039 Stock Units.

2 Farm Profit Before Tax is required to meet personal drawings, taxation payments, debt repayments and the purchase of capital items.

Source: Beef + Lamb New Zealand Economic Service, Sheep & Beef Farm Survey, All Classes Sheep and Beef Farm

## Revenue sources

Revenue	2005-06	2014-15	2015-16p
Wool	14%	11%	12%
Sheep	47%	43%	40%
Cattle	25%	26%	27%
Dairy Grazing	2%	7%	7%
Deer + Velvet	1%	1%	1%
Cash Crop	8%	10%	11%
Other	3%	4%	4%

Source: Beef + Lamb New Zealand Economic Service, Sheep & Beef Farm Survey, All Classes Sheep and Beef Farm

## AGRICULTURAL PRODUCTION & EXPORTS



### Value and volume of agricultural production and exports

YEAR	TOTAL AGRICULTURAL EXPORTS (\$m FOB)	TOTAL PASTORAL EXPORTS (\$m FOB)	WOOL PRODUCTION (000 TONNES CLEAN)	MILK SOLIDS PROCESSED (000 TONNES)	MEAT PRODUCTION (000 TONNES BONE-IN)
NOTE	1	1	1	2	3,4
2005-06	16,371	12,408	167.6	1,267	1,185
2006-07	17,781	13,370	162.5	1,316	1,196
2007-08	20,521	15,874	152.9	1,270	1,233
2008-09	22,271	17,114	117.0	1,393	1,138
2009-10	20,906	16,022	138.0	1,438	1,106
2010-11	24,398	19,294	128.0	1,513	1,088
2011-12	25,050	19,691	122.2	1,685	1,051
2012-13	24,964	19,439	125.9	1,658	1,117
2013-14	30,180	24,444	117.0	1,825	1,119
2014-15	28,024	21,740	114.8	1,890	1,183
2015-16	28,156	20,719	108.1	1,824	1,119

1 Year Ended June. 2 Year Ended May. 3 Year Ended September. 4 Inspected meat production at export plants and abattoirs – lamb, mutton, beef and veal.

Source: Beef + Lamb New Zealand Economic Service, Ministry for Primary Industries, Statistics New Zealand, Livestock Improvement Corporation Ltd

## Value of New Zealand exports

Year ended 30 June (\$ million FOB)

	2012	2013	2014	2015	2016	% Change
<b>PASTORAL PRODUCTS</b>						
<b>WOOL</b>						
Raw Wool	776.3	678.3	733.2	805.0	759.7	-5.6%
<b>MEAT</b>						
Lamb	2,309.9	2,263.2	2,485.4	2,504.2	2,568.8	2.6%
Mutton	329.4	395.0	488.4	417.6	419.1	0.4%
Beef & Veal	2,009.5	2,142.8	2,199.4	2,979.9	3,095.5	3.9%
Venison	205.3	171.2	186.8	174.0	182.4	4.8%
Edible Offal	211.2	208.7	216.7	230.8	253.8	10.0%
Other (poultry, pork)	221.6	225.9	220.9	235.3	249.1	5.9%
<b>TOTAL MEAT</b>	<b>5,286.9</b>	<b>5,406.9</b>	<b>5,797.6</b>	<b>6,541.8</b>	<b>6,768.7</b>	<b>3.5%</b>
<b>DAIRY</b>						
Milk & Powders	7,910.7	7,967.6	11,648.3	8,258.7	7,061.9	-14.5%
Butter	2,294.8	1,909.9	2,699.3	2,219.1	2,378.3	7.2%
Cheese	1,419.6	1,441.2	1,482.2	1,557.4	1,720.3	10.5%
Casein	830.1	858.7	1,029.8	1,134.6	976.3	-13.9%
<b>TOTAL DAIRY</b>	<b>12,455.3</b>	<b>12,177.4</b>	<b>16,859.7</b>	<b>13,169.7</b>	<b>12,136.8</b>	<b>-7.8%</b>
<b>OTHER ANIMAL PRODUCTS</b>						
Hides & Skins	345.3	341.2	320.4	264.7	226.0	-14.6%
Deer Velvet	31.2	19.3	28.8	34.2	37.4	9.5%
Tallow	139.0	149.0	120.2	109.3	116.2	6.3%
Animal Oils & Fats	33.7	13.9	9.9	8.7	8.6	-0.7%
Crude Animal Materials	386.7	415.4	366.4	436.3	423.8	-2.9%
<b>TOTAL OTHER</b>	<b>935.9</b>	<b>938.8</b>	<b>845.6</b>	<b>853.3</b>	<b>812.1</b>	<b>-4.8%</b>
<b>LIVESTOCK</b>	<b>236.5</b>	<b>238.0</b>	<b>207.5</b>	<b>370.0</b>	<b>242.0</b>	<b>-34.6%</b>
<b>TOTAL PASTORAL</b>	<b>19,690.9</b>	<b>19,439.4</b>	<b>24,443.6</b>	<b>21,739.7</b>	<b>20,719.3</b>	<b>-4.7%</b>
<b>HORTICULTURE &amp; ARABLE</b>						
Fresh Kiwifruit	1,045.7	934.0	930.5	1,181.9	1,673.1	41.6%
Fresh Apples	341.6	475.3	536.4	561.8	691.8	23.1%
Other Fruit & Nuts	192.0	131.4	210.6	261.7	257.8	-1.5%
Vegetables	405.3	403.8	400.1	394.8	439.3	11.3%
Seeds, Plants, Plant Material	263.1	290.5	265.2	249.5	260.5	4.4%
Cereals	7.7	25.3	52.4	15.4	28.9	87.3%
<b>TOTAL HORTICULTURE &amp; ARABLE</b>	<b>2,255.5</b>	<b>2,260.2</b>	<b>2,395.2</b>	<b>2,665.2</b>	<b>3,351.4</b>	<b>25.7%</b>



## Value of New Zealand exports (continued)

	2012	2013	2014	2015	2016	% Change
<b>PROCESSED AGRICULTURE</b>						
Tops, Yarns & Sliver	85.0	49.5	34.0	26.9	27.4	1.9%
Carpets & Rugs	98.2	107.2	111.5	113.2	133.6	18.0%
Other Final Woollen Products	28.0	20.3	19.0	18.1	18.8	4.0%
Leather/Dressed Skins	258.3	266.7	304.1	305.0	282.9	-7.3%
Meat Meal & Animal Feeds	251.3	277.1	256.0	277.2	301.0	8.6%
Processed Fruit & Veg	353.4	361.7	368.3	341.9	336.7	-1.5%
Wine	1,189.6	1,217.4	1,340.0	1,421.5	1,568.4	10.3%
Cereal Products	18.8	19.6	24.7	28.4	20.7	-27.3%
<b>TOTAL PROCESSED</b>	<b>2,282.5</b>	<b>2,319.6</b>	<b>2,457.6</b>	<b>2,532.2</b>	<b>2,689.3</b>	<b>6.2%</b>
<b>OTHER AGRICULTURAL EXPORTS</b>	<b>820.9</b>	<b>944.5</b>	<b>883.3</b>	<b>1,086.4</b>	<b>1,395.8</b>	<b>28.5%</b>
<b>TOTAL AGRICULTURE</b>	<b>25,049.8</b>	<b>24,963.7</b>	<b>30,179.7</b>	<b>28,023.5</b>	<b>28,155.8</b>	<b>0.5%</b>
<b>FORESTRY</b>						
Sawn Timber & Logs	2,356.5	2,760.1	3,433.6	2,908.8	3,186.7	9.6%
Other Wood & Wood Products	707.3	612.1	580.6	561.7	631.1	12.3%
Pulp & Paper Products	1,181.2	1,077.2	1,105.1	1,124.9	1,233.9	9.7%
<b>TOTAL FORESTRY</b>	<b>4,244.9</b>	<b>4,449.4</b>	<b>5,119.3</b>	<b>4,595.4</b>	<b>5,051.6</b>	<b>9.9%</b>
<b>FISH</b>	<b>1,364.3</b>	<b>1,343.4</b>	<b>1,324.7</b>	<b>1,405.9</b>	<b>1,575.7</b>	<b>12.1%</b>
<b>TOTAL PRIMARY EXPORTS</b>	<b>30,659.1</b>	<b>30,756.5</b>	<b>36,623.7</b>	<b>34,024.9</b>	<b>34,783.1</b>	<b>2.2%</b>
<b>OTHER MERCHANDISE EXPORTS</b>						
Aluminium	1,140.4	994.9	945.7	1,069.0	977.8	-8.5%
Mineral Fuels	2,972.4	2,000.9	1,615.6	1,227.3	688.4	-43.9%
Machinery & Equipment	2,506.7	2,208.6	2,091.6	2,161.0	2,245.2	3.9%
Other Exports	7,614.4	8,152.1	8,083.0	7,786.1	8,437.6	8.4%
<b>TOTAL MERCHANDISE EXPORTS</b>	<b>44,892.9</b>	<b>44,113.0</b>	<b>49,359.7</b>	<b>46,268.4</b>	<b>47,132.2</b>	<b>1.9%</b>
<b>PASTORAL % OF EXPORTS</b>	<b>43.9%</b>	<b>44.1%</b>	<b>49.5%</b>	<b>47.0%</b>	<b>44.0%</b>	
<b>AGRICULTURE % OF EXPORTS</b>	<b>55.8%</b>	<b>56.6%</b>	<b>61.1%</b>	<b>60.6%</b>	<b>59.7%</b>	
<b>PRIMARY % OF EXPORTS</b>	<b>68.3%</b>	<b>69.7%</b>	<b>74.2%</b>	<b>73.5%</b>	<b>73.8%</b>	

Source: Beef + Lamb New Zealand Economic Service, Statistics New Zealand

## B+LNZ Board of Directors

**James Parsons** *Chairman and Farmer Representative, Northern North Island*  
P: 09 439 7749 M: 021 206 3208  
james.parsons@beeflambnz.com

**Kirsten Bryant** *Farmer Representative, Western North Island*  
P: 06 342 7755 M: 027 275 1690  
oneida.hills@xtra.co.nz

**George Tatham** *Farmer Representative, Eastern North Island*  
P: 06 372 3609 M: 027 244 4900  
georgetatham@gmail.com

**Phil Smith** *Farmer Representative, Northern South Island*  
P: 03 315 8677 M: 027 222 7927  
balmoral@amuri.net

**Bill Wright** *Farmer Representative, Central South Island*  
P: 03 614 3751 M: 027 244 7923  
bill.shirley.wright@gmail.com

**Andrew Morrison** *Farmer Representative, Southern South Island*  
P: 03 207 1856 M: 027 664 4620  
beak.lisa@gmail.com

**Sam Lewis**  
*Processor-Exporter Appointee*  
P: 07 870 2425 M: 021 815 658  
samuel.lewis@xtra.co.nz

**Mark Clarkson**  
*Processor-Exporter Appointee*  
M: 027 432 8896  
mclarksonnz@gmail.com

## Economic Service Managers

**Dot Larsen**  
*Northern North Island*  
P: 07 839 4260 M: 027 555 9127  
dot.larsen@beeflambnz.com

**Sam Stewart**  
*Northern North Island*  
P: 07 839 4261 M: 027 454 8878  
sam.stewart@beeflambnz.com

**Stephen Lys**  
*Eastern North Island*  
P: 06 870 3496 M: 027 248 3521  
stephen.lys@beeflambnz.com

**Tim Hembrow**  
*Western North Island*  
P: 06 323 0508 M: 027 333 6289  
tim.hembrow@beeflambnz.com

**Michael Flett**  
*Western North Island*  
P: 06 323 3168 M: 027 839 6365  
michael.flett@beeflambnz.com

**Esnes Gray** (from 19 June 2017)  
*Northern South Island*  
P: 03 357 3095 M: 027 555 0123  
esnes.gray@beeflambnz.com

**Sharyn Price** (from 17 July 2017)  
*Central South Island*  
M: 027 431 2583  
sharyn.price@beeflambnz.com

**Jenny McGimpsey**  
*Southern South Island*  
P: 03 204 0859 M: 027 458 8067  
jenny.mcgimpsey@beeflambnz.com

## **B+LNZ Extension Managers**

### **Paul McCauley**

*National Extension Manager*

P: 03 448 9176 M: 027 522 3499

paul.mccauley@beeflambnz.com

### **Alison Whiteford**

*Northern North Island*

P: 09 438 0672 M: 027 489 7343

alison.whiteford@beeflambnz.com

### **TBA**

*Mid Northern North Island*

P: 07 839 0286 M: 027 556 8836

### **Kylie Brewer**

*Environment Extension Manager,*

*North Island*

P: 06 323 5633 M: 027 886 2835

kylie.brewer@beeflambnz.com

### **Mark Harris**

*Eastern North Island*

P: 06 870 3495 M: 027 577 9991

mark.harris@beeflambnz.com

### **Lauren Cameron**

*Eastern North Island*

P: 06 370 2389 M: 027 431 7626

lauren.cameron@beeflambnz.com

### **Jason Griffin**

*Western North Island*

P: 06 324 0390 M: 027 431 0225

jason.griffin@beeflambnz.com

### **Turi McFarlane**

*Environment Extension Manager,*

*South Island*

P: 03 357 0692 M: 027 836 7658

turi.mcfarlane@beeflambnz.com

### **Sarah O'Connell**

*Northern South Island*

P: 03 357 0693 M: 027 496 8496

sarah.oconnell@beeflambnz.com

### **Laura Gray**

*Central South Island*

P: 03 433 1392 M: 027 498 9703

laura.gray@beeflambnz.com

### **Olivia Ross**

*Southern South Island*

P: 03 208 4144 M: 027 801 7868

olivia.ross@beeflambnz.com

## **B+LNZ Economic Service**

### **Andrew Burt**

P: 04 474 0842 M: 027 652 9543

andrew.burt@beeflambnz.com

### **Rob Davison**

P: 04 471 6034

rob.davison@beeflambnz.com

### **Loma Finch**

P: 04 474 0830

loma.finch@beeflambnz.com

### **Ben Hancock**

P: 04 494 9508

ben.hancock@beeflambnz.com

### **Rob Gibson**

P: 04 471 6037

rob.gibson@beeflambnz.com

### **Brian Speirs**

P: 04 474 0846

brian.speirs@beeflambnz.com

### **Carly Sluys**

P: 03 357 0695 M: 027 572 7614

carly.sluys@beeflambnz.com



Beef + Lamb New Zealand  
Economic Service  
PO Box 121, Wellington 6140  
E-mail: [econ@beeflambnz.com](mailto:econ@beeflambnz.com)  
Phone: +64 (4) 473 9150  
Website: [www.beeflambnz.com](http://www.beeflambnz.com)