

Annual Feed Production Statistics for the Year Ending December 2019

These statistics report total tonnage of manufactured animal feed and total tonnage of raw materials used in feed production. This report does not include blended feed.

These statistics now include the breakdown of species-specific data for feed production.

Please note all figures reported in the tables below in this Executive Summary are in metric tonnes (unless otherwise specified).

Feed Production:

2019

North Island		South Island		Total Tonnage	Comparison	
Bulk	Bagged	Bulk	Bagged		Year 2018	% Change
645,127	101,626	293,640	51,763	1,092,157	1,126,679	-3.06
746,753		345,404				

Raw Material Use:

2019

Raw Material		North Island	South Island	Total	last year	% Change
Grains	Wheat	190,741	125,139	315,879	439,833	-28%
	Maize	211,668	28,000	239,668	131,435	82%
	Barley	25,899	51,002	76,902	79,992	-4%
Animal Protein	Meat and bone meal (non poultry)	16,511	8,021	24,532	26,376	-7%
Plant Protein	Soya meal	127,373	42,405	169,778	154,473	10%

Palm Kernel Imports:

2019

North Island	South Island	Total	Same last year	% Change
1,354,379	447,039	1,801,418	1,965,352	-0.08

Species Specific Data:

2019

Species	North Island	South Island	Total	% Change from previous year
Poultry - meat	430,367	90,944	521,311	0.3%
Poultry - layer	129,830	50,115	179,944	6.1%
Pig	33,932	110,563	144,495	-2.3%
Calf	63,623	25,478	89,101	-2.5%
Dairy	70,590	49,023	119,614	-28.8%

2018

Species	North Island	South Island	Total
Poultry - meat	438,100	81,634	519,734
Poultry - layer	127,801	41,758	169,559
Pig	45,100	102,846	147,946
Calf	68,161	23,261	91,422
Dairy	101,971	66,022	167,993

**New Zealand Feed Manufacturers Association
Annual Feed Production Statistics**

Year **2019**
Feed production statistics for the period 01 January to 31 December 2019

	North Island		South Island		Total Tonnage	Comparison Year 2018	% Change
	Bulk	Bagged	Bulk	Bagged			
TOTAL BULK/BAG	645,127	101,626	293,640	51,763			
TOTAL PER ISLAND	746,753.35		345,403.70		1,092,157	1,126,679	- 3.06

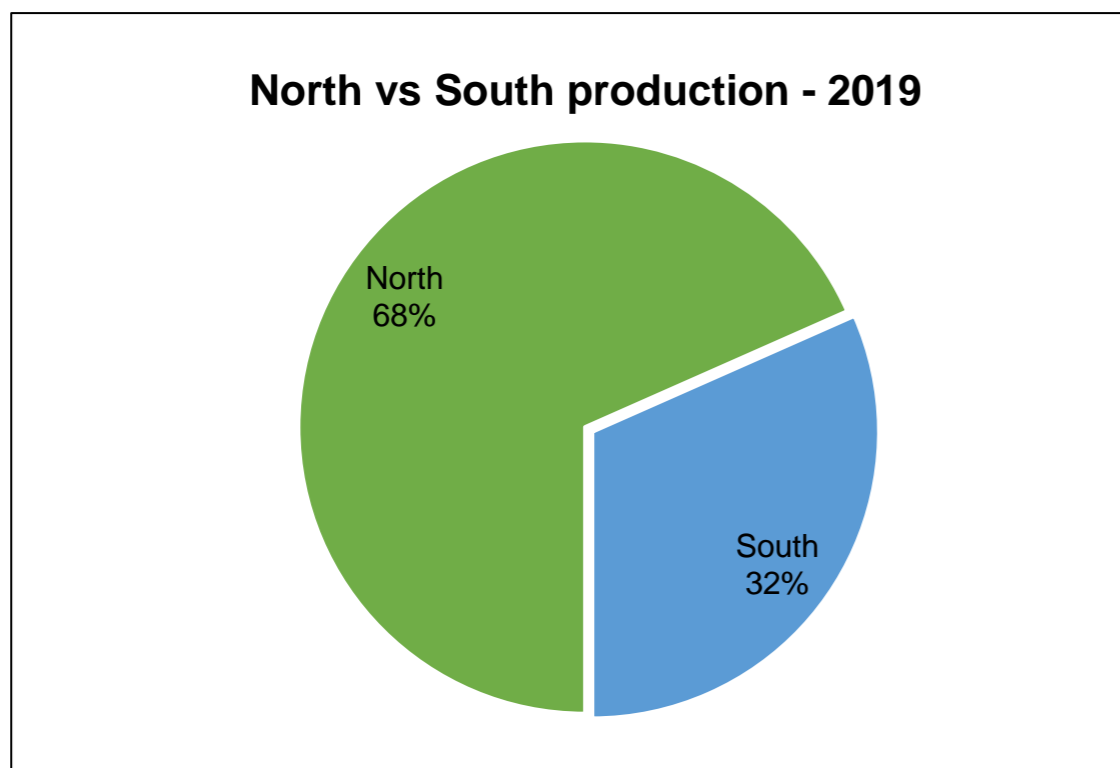
Summary of Historical Production Data

	Year 2012	Year 2013	Year 2014	Year 2015	Year 2016	Year 2017	Year 2018	Year 2019
TOTAL	964,035	991,027	1,078,141	1,019,269	1,045,071	1,127,806	1,126,679	1,092,157
% change from previous year	4.57%	2.80%	8.79%	-5.46%	2.53%	7.92%	-0.10%	-3.06%

Feed production statistics for the year ending December 2018

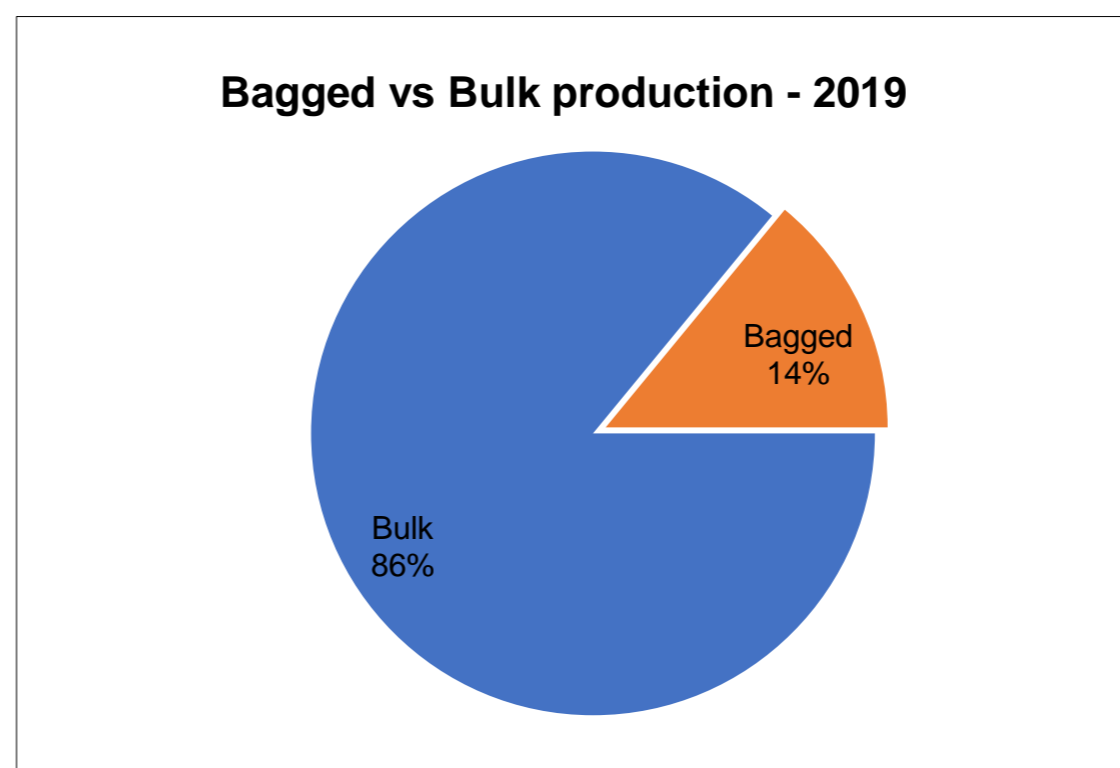
North vs South production - 2019

	Tonnage	% of Total
North	746,753	68%
South	345,404	32%



Bagged vs Bulk production - 2019

	Tonnage	% of Total
Bulk	938,768	86%
Bagged	153,389	14%



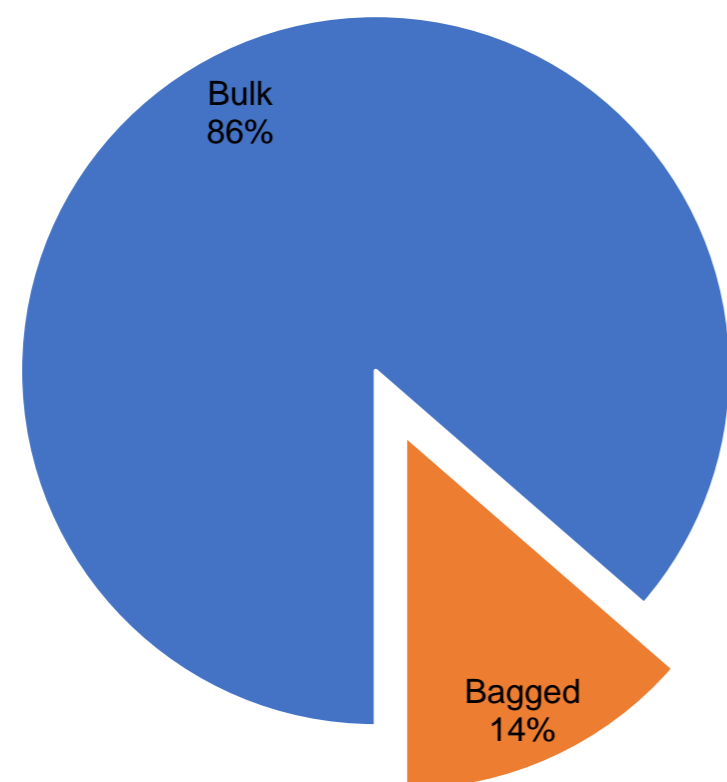
**New Zealand Feed Manufacturers Association
Annual Feed Production Statistics**

Year 2019
Feed production statistics for the period 01 January to 31 December 2019

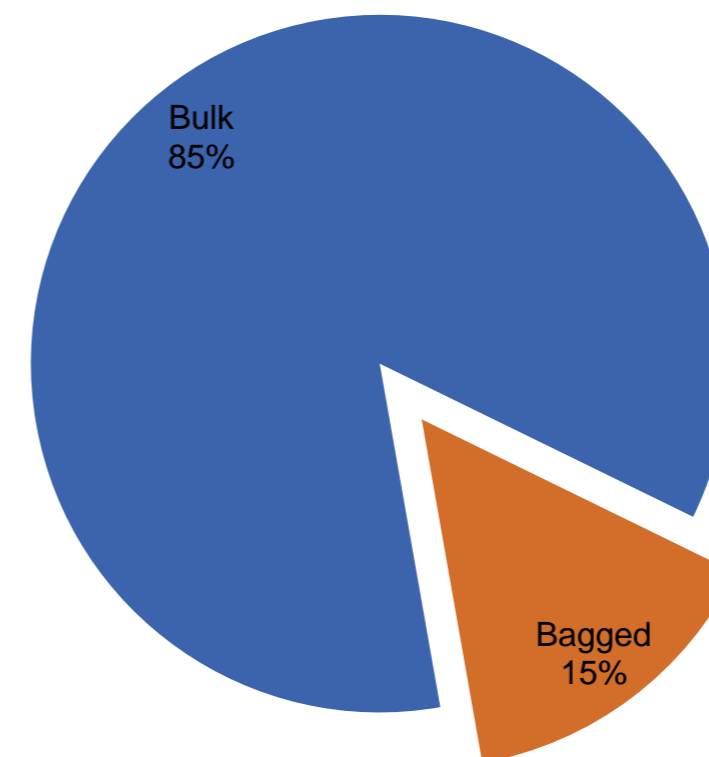
	North Island	
	Bulk	Bagged
TOTAL BULK/BAG	645,127	101,626

	South Island	
	Bulk	Bagged
TOTAL BULK/BAG	293,640	51,763

North Island Bulk Vs Bagged production - 2019



South Island Bulk Vs Bagged production - 2019



Sources and types of raw materials used in feed production
Feed production statistics for the year ending December 2019

	RAW MATERIAL USAGE NORTH ISLAND MILLS							
	Domestic		Imported		Total use		Comp. Year 2018	
	T	%	T	%	T	%	T	% change
Grains								
Wheat	12,626.77	6.62	178,114.13	93.38	190,740.89	25.51	295,336.23	-35.4
Barley	23,367.43	90.22	2,531.95	9.78	25,899.38	3.46	36,846.16	-29.7
Oats	44.87	49.93	45.00	50.07	89.87	0.01	132.58	-32.2
Maize	35,559.14	16.80	176,108.57	83.20	211,667.72	28.31	113,387.05	86.7
Sorghum	-	-	-	-	-	-	4,936.71	-100.0
Triticale	-	-	-	-	-	-	42.00	-100.0
Others	34.00	6.63	478.48	93.37	512.48	0.07	115.70	342.9
subtotal	71,632.21	16.70	357,278.13	83.30	428,910.34	57.37	450,796.44	-4.9
Grain by-products								
Wheat (Bran, Pollard and broll)	38,936.50	100.00	-	-	38,936.50	5.21	38,340.69	1.6
Barley (Malt culms and brewers gra	3,198.27	49.55	3,256.75	50.45	6,455.01	0.86	5,012.89	28.8
Maize (Avonfeed, avongold)	11.00	100.00	-	-	11.00	0.00	117.38	-90.6
Others (Bread, biscuits, etc)	1,956.82	100.00	-	-	1,956.82	0.26	1,299.16	50.6
subtotal	44,102.59	93.12	3,256.75	6.88	47,359.34	6.33	44,770.11	5.8
Animal proteins								
Meat and bone meal (non-poultry)	16,511.14	100.00	-	-	16,511.14	2.21	17,969.77	-8.1
Bloodmeal (non-poultry)	585.00	100.00	-	-	585.00	0.08	627.00	-6.7
Fishmeal	724.13	100.00	-	-	724.13	0.10	717.81	0.9
Poultry by-product meal	816.58	94.23	50.00	5.77	866.58	0.12	98.81	777.0
Milkpowders	2,665.48	96.04	110.00	3.96	2,775.48	0.37	3,712.82	-25.2
Others	937.00	100.00	-	-	937.00	0.13	481.00	94.8
subtotal	22,239.33	99.29	160.00	0.71	22,399.33	3.00	23,607.22	-5.1
Oils and Tallows								
Vegetable oils (e.g. Soya, canola or	3,279.64	99.29	23.38	0.71	3,303.02	0.44	7,935.74	-58.4
Poultry fat	3,071.50	100.00	-	-	3,071.50	0.41	3,657.80	-16.0
Tallow used in non-ruminant feed	2,888.18	100.00	-	-	2,888.18	0.39	3,820.68	-24.4
Tallow used in ruminant feed	71.12	100.00	-	-	71.12	0.01	142.72	-50.2
subtotal	9,310.44	99.75	23.38	0.25	9,333.83	1.25	15,556.94	-40.0
Plant proteins								
Peas	72.49	100.00	-	-	72.49	0.01	249.50	-70.9
Soya meal	-	-	127,372.70	100.00	127,372.70	17.04	114,468.06	11.3
Copra	-	-	762.08	100.00	762.08	0.10	627.19	21.5
Palm kernel	-	-	14,463.54	100.00	14,463.54	1.93	22,933.90	-36.9
Others	25.00	0.07	35,690.36	99.93	35,715.36	4.78	48,380.30	-26.2
subtotal	97.49	0.05	178,288.68	99.95	178,386.17	23.86	186,658.95	-4.4
Roughages								
Grass Hay	-	-	-	-	-	-	6.20	-100.0
Lucerne/Alfalfa Hay	405.04	79.82	102.40	20.18	507.44	0.07	455.54	11.4
Other	-	-	-	-	-	-	74.00	-100.0
subtotal	405.04	79.82	102.40	20.18	507.44	0.07	535.74	-5.3
Others								
Limestone	13,597.55	88.13	1,832.00	11.87	15,429.55	2.06	15,409.61	0.1
All other raw materials	37,540.50	82.76	7,819.62	17.24	45,360.11	6.07	50,448.92	-10.1
subtotal	51,138.05	84.12	9,651.62	15.88	60,789.67	8.13	65,858.52	-7.7
TOTALS	198,925.15	-	548,760.95	-	747,686.10	-	787,783.93	-5.1

Sources and types of raw materials used in feed production
Feed production statistics for the year ending December 2019

	RAW MATERIAL USAGE SOUTH ISLAND MILLS							
	Domestic		Imported		Total use		Comp. Year 2018	
	T	%	T	%	T	%	T	% change
Grains								
Wheat	104,873.61	83.81	20,264.98	16.19	125,138.59	32.10	144,496.93	-13.4
Barley	51,002.23	100.00	-	-	51,002.23	13.08	43,146.17	18.2
Oats	397.50	100.00	-	-	397.50	0.10	1,573.30	-74.7
Maize	1,704.18	6.09	26,296.32	93.91	28,000.50	7.18	18,047.49	55.1
Sorghum	-	-	-	-	-	-	509.91	-100.0
Triticale	5,947.40	-	-	-	5,947.40	1.53	7,837.00	-24.1
Others	16.19	2.60	606.56	97.40	622.75	0.16	576.55	8.0
subtotal	163,941.11	77.66	47,167.86	22.34	211,108.97	54.16	216,187.36	-2.3
Grain by-products								
Wheat (Bran, Pollard and broll)	19,414.09	100.00	-	-	19,414.09	4.98	17,724.56	9.5
Barley (Malt culms and brewers grain)	87.39	100.00	-	-	87.39	0.02	6,078.48	-98.6
Maize (Avonfeed, avongold)	1,779.78	99.48	-	-	1,789.07	0.46	1,466.06	22.0
Others (Bread, biscuits, etc)	25.48	8.06	290.68	91.94	316.16	0.08	18.96	1,567.5
subtotal	21,306.74	98.61	-	-	21,606.72	5.54	25,288.06	-14.6
Animal proteins								
Meat and bone meal (non-poultry)	8,020.63	100.00	-	-	8,020.63	2.06	8,406.50	-4.6
Bloodmeal (non-poultry)	1,060.54	100.00	-	-	1,060.54	0.27	918.66	15.4
Fishmeal	1,263.79	97.17	36.76	2.83	1,300.55	0.33	1,197.39	8.6
Poultry by-product meal	-	-	-	-	-	-	-	-
Milkpowders	1,575.94	99.24	12.00	0.76	1,587.94	0.41	1,284.78	23.6
Others	82.00	100.00	-	-	82.00	0.02	1,957.75	-95.8
subtotal	12,002.91	99.60	18.32	0.15	12,051.66	3.09	13,765.08	-12.4
Oils and Tallows								
Vegetable oils (e.g. Soya, canola or	1,360.71	90.18	148.11	9.82	1,508.82	0.39	1,016.42	48.4
Poultry fat	848.43	100.00	-	-	848.43	0.22	800.53	6.0
Tallow used in non-ruminant feed	3,322.95	100.00	-	-	3,322.95	0.85	3,410.70	-2.6
Tallow used in ruminant feed	-	-	-	-	-	-	-	-
subtotal	5,532.09	97.39	148.11	2.61	5,680.20	1.46	5,227.65	8.7
Plant proteins								
Peas	2,272.71	100.00	-	-	2,272.71	0.58	4,180.88	-45.6
Soya meal	-	-	42,404.97	100.00	42,404.97	10.88	40,005.22	6.0
Copra	-	-	16,591.50	100.00	16,591.50	4.26	1,653.00	903.7
Palm kernel	-	-	8,119.94	100.00	8,119.94	2.08	11,076.70	-26.7
Others	35,130.48	79.40	9,115.00	20.60	44,245.47	11.35	12,307.06	259.5
subtotal	37,403.19	32.92	62,834.79	55.30	113,634.59	29.15	69,222.86	64.2
Roughages								
Grass Hay	286.00	-	-	-	286.00	0.07	502.00	-43.0
Lucerne/Alfalfa Hay	42.07	80.79	10.00	19.21	52.07	0.01	26.84	94.0
Other	727.40	-	-	-	727.40	0.19	1,789.83	-59.4
subtotal	1,055.47	99.06	10.00	0.94	1,065.47	0.27	2,318.67	-54.0
Others								
Limestone	13,274.96	91.64	1,211.30	8.36	14,486.26	3.72	6,370.44	127.4
All other raw materials	6,606.02	64.94	3,566.20	35.06	10,172.21	2.61	8,746.01	16.3
subtotal	19,880.97	80.63	4,777.50	19.37	24,658.47	6.33	15,116.45	63.1
TOTALS	261,122.47	-	128,674.31	-	389,796.78	-	347,126.13	12.3

Sources and types of raw materials used in feed production
Feed production statistics for the year ending December 2019

	RAW MATERIAL USAGE AT NATIONAL LEVEL							
	Domestic		Imported		Total use		Comp. Year 2018	
	T	%	T	%	T	%	T	% change
Grains								
Wheat	117,500.38	37.20	198,379.11	62.80	315,879.48	27.77	439,833.16	-28.2
Barley	74,369.66	96.71	2,531.95	3.29	76,901.61	6.76	79,992.34	-3.9
Oats	442.37	90.77	45.00	9.23	487.37	0.04	1,705.88	-71.4
Maize	37,263.32	15.55	202,404.90	84.45	239,668.21	21.07	131,434.55	82.3
Sorghum	-	-	-	-	-	-	5,446.62	-100.0
Triticale	5,947.40	-	-	-	5,947.40	0.52	7,879.00	-24.5
Others	50.19	4.42	1,085.04	95.58	1,135.23	0.10	692.25	64.0
subtotal	235,573.32	36.81	404,445.99	63.19	640,019.31	56.27	666,983.80	-4.0
Grain by-products								
Wheat (Bran, Pollard and broll)	58,350.59	100.00	-	-	58,350.59	5.13	56,065.25	4.1
Barley (Malt culms and brewers gra	3,285.66	50.22	3,256.75	49.78	6,542.41	0.58	11,091.37	-41.0
Maize (Avonfeed, avongold)	1,790.78	100.00	-	-	1,790.78	0.16	1,583.44	13.1
Others (Bread, biscuits, etc)	1,982.30	87.21	290.68	12.79	2,272.98	0.20	1,318.12	72.4
subtotal	65,409.33	94.86	3,547.43	5.14	68,956.76	6.06	70,058.17	-1.6
Animal proteins								
Meat and bone meal (non-poultry)	24,531.77	100.00	-	-	24,531.77	2.16	26,376.27	-7.0
Bloodmeal (non-poultry)	1,645.54	100.00	-	-	1,645.54	0.14	1,545.66	6.5
Fishmeal	1,987.92	98.18	36.76	1.82	2,024.68	0.18	1,915.20	5.7
Poultry by-product meal	816.58	94.23	50.00	5.77	866.58	0.08	98.81	777.0
Milkpowders	4,241.42	97.20	122.00	2.80	4,363.42	0.38	4,997.60	-12.7
Others	1,019.00	100.00	-	-	1,019.00	0.09	2,438.75	-58.2
subtotal	34,242.23	99.39	208.76	0.61	34,450.99	3.03	37,372.30	-7.8
Oils and Tallows								
Vegetable oils (e.g. Soya, canola or	4,640.35	96.44	171.49	3.56	4,811.84	0.42	8,952.15	-46.2
Poultry fat	3,919.93	100.00	-	-	3,919.93	0.34	4,458.33	-12.1
Tallow used in non-ruminant feed	6,211.13	100.00	-	-	6,211.13	0.55	7,231.38	-14.1
Tallow used in ruminant feed	71.12	100.00	-	-	71.12	0.01	142.72	-50.2
subtotal	14,842.54	98.86	171.49	1.14	15,014.03	1.32	20,784.59	-27.8
Plant proteins								
Peas	2,345.20	100.00	-	-	2,345.20	0.21	4,430.38	-47.1
Soya meal	-	-	169,777.66	100.00	169,777.66	14.93	154,473.28	9.9
Copra	-	-	17,353.58	100.00	17,353.58	1.53	2,280.19	661.1
Palm kernel	-	-	22,583.48	100.00	22,583.48	1.99	34,010.60	-33.6
Others	35,155.48	43.97	44,805.35	56.03	79,960.83	7.03	60,687.36	31.8
subtotal	37,500.68	12.84	254,520.08	87.16	292,020.75	25.67	255,881.81	14.1
Roughages								
Grass Hay	286.00	-	-	-	286.00	0.03	508.20	-43.7
Lucerne/Alfalfa Hay	447.11	79.91	112.40	20.09	559.51	0.05	482.38	16.0
Other	727.40	-	-	-	727.40	0.06	1,863.83	-61.0
subtotal	1,460.51	92.85	112.40	7.15	1,572.91	0.14	2,854.41	-44.9
Others								
Limestone	26,872.51	89.83	3,043.30	10.17	29,915.81	2.63	21,780.05	37.4
All other raw materials	44,146.52	79.50	11,385.81	20.50	55,532.33	4.88	59,194.93	-6.2
subtotal	71,019.02	83.11	14,429.11	16.89	85,448.14	7.51	80,974.98	5.5
TOTALS	460,047.63	-	677,435.26	-	1,137,482.88	400.00	1,134,910.06	0.2

Raw Material usage statistics for the year ending December 2019

Usage of raw material categories in New Zealand 2019

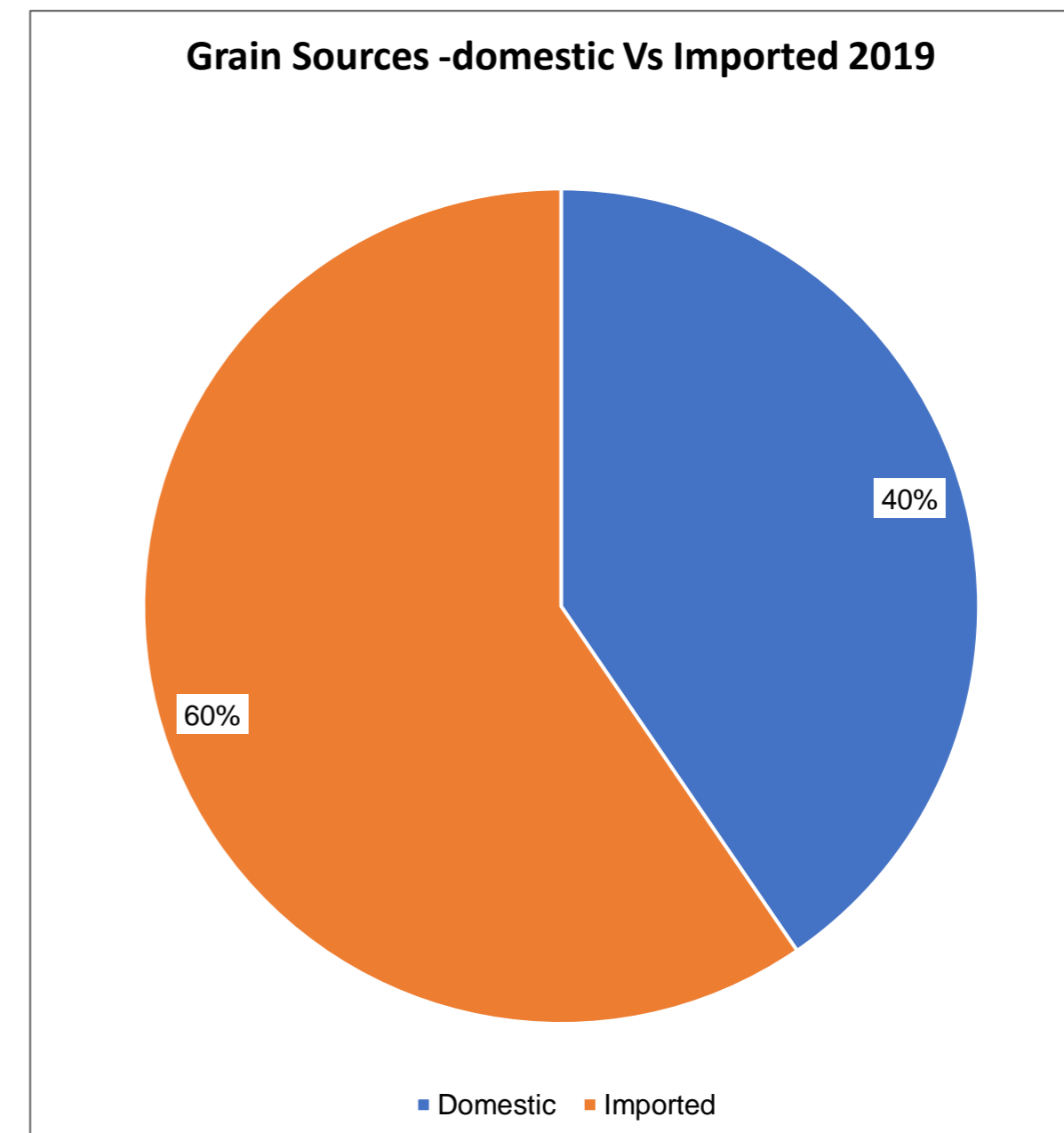
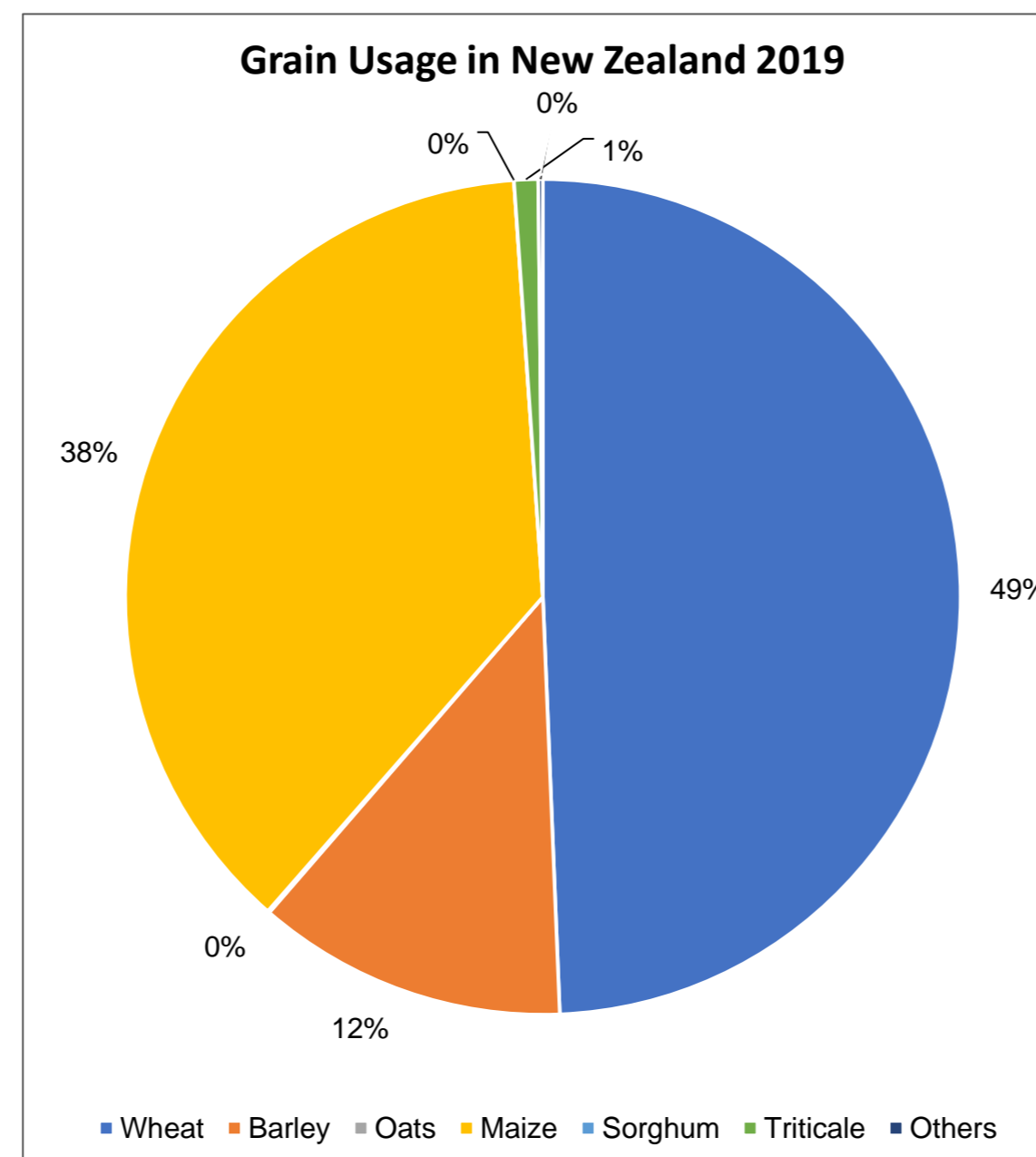
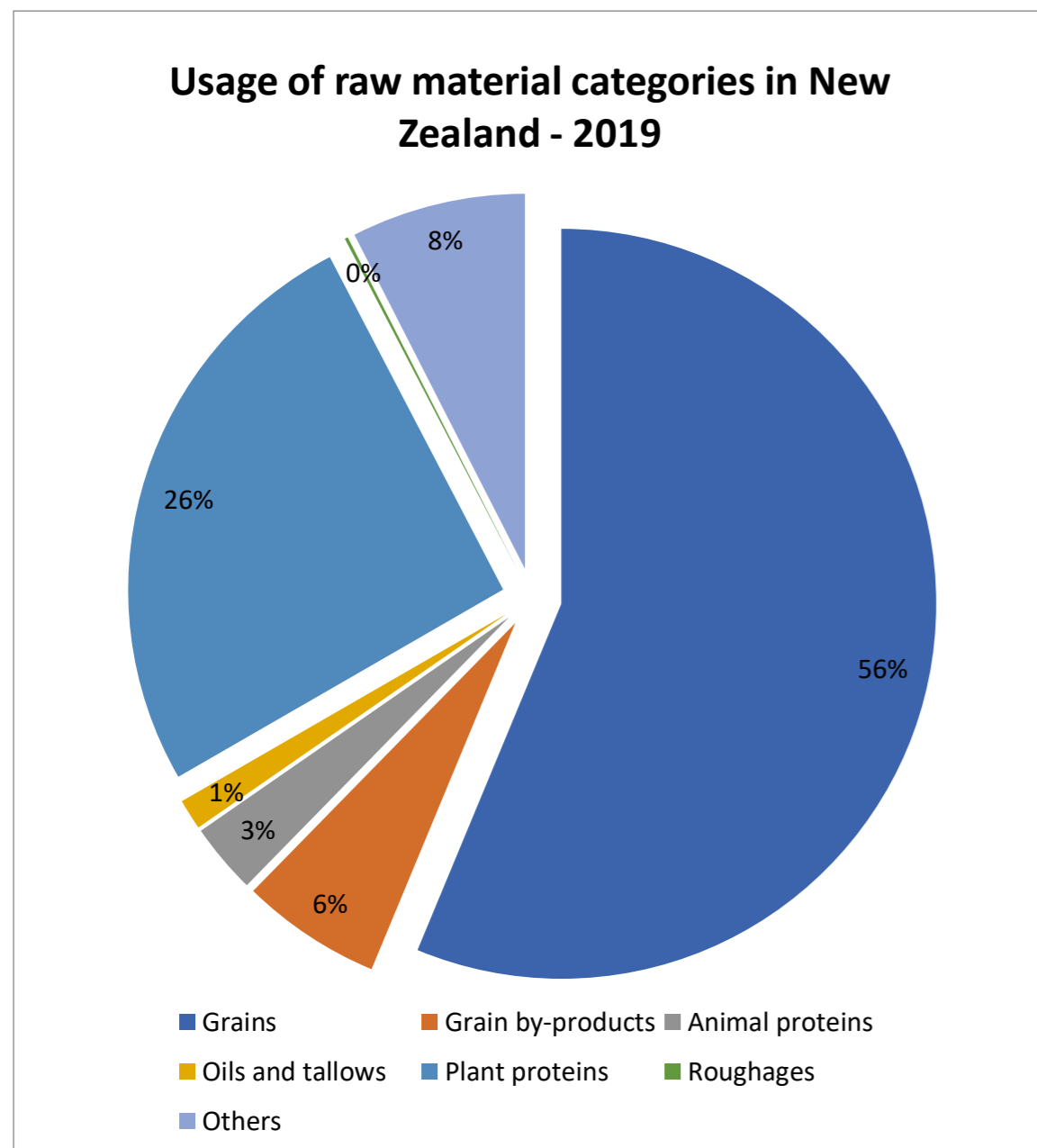
	Tonnage	% of Total
Grains	640,019	56%
Grain by-product	68,957	6%
Animal proteins	34,451	3%
Oils and tallows	15,014	1%
Plant proteins	292,021	26%
Roughages	1,573	0%
Others	85,448	8%
Total	1,137,483	100%

Grain Usage in New Zealand 2019

	Tonnage	% of Total
Wheat	315,879	49%
Barley	76,902	12%
Oats	487	0%
Maize	239,668	37%
Sorghum	-	0%
Triticale	5,947	1%
Others	1,135	0%
Total	640,019	100%

Grain Sources -domestic Vs Imported 2019

	Tonnage	% of Total
Domestic	460,048	40%
Imported	677,435	60%
Total	1,137,483	100%



Grain Usage in the North Island 2019

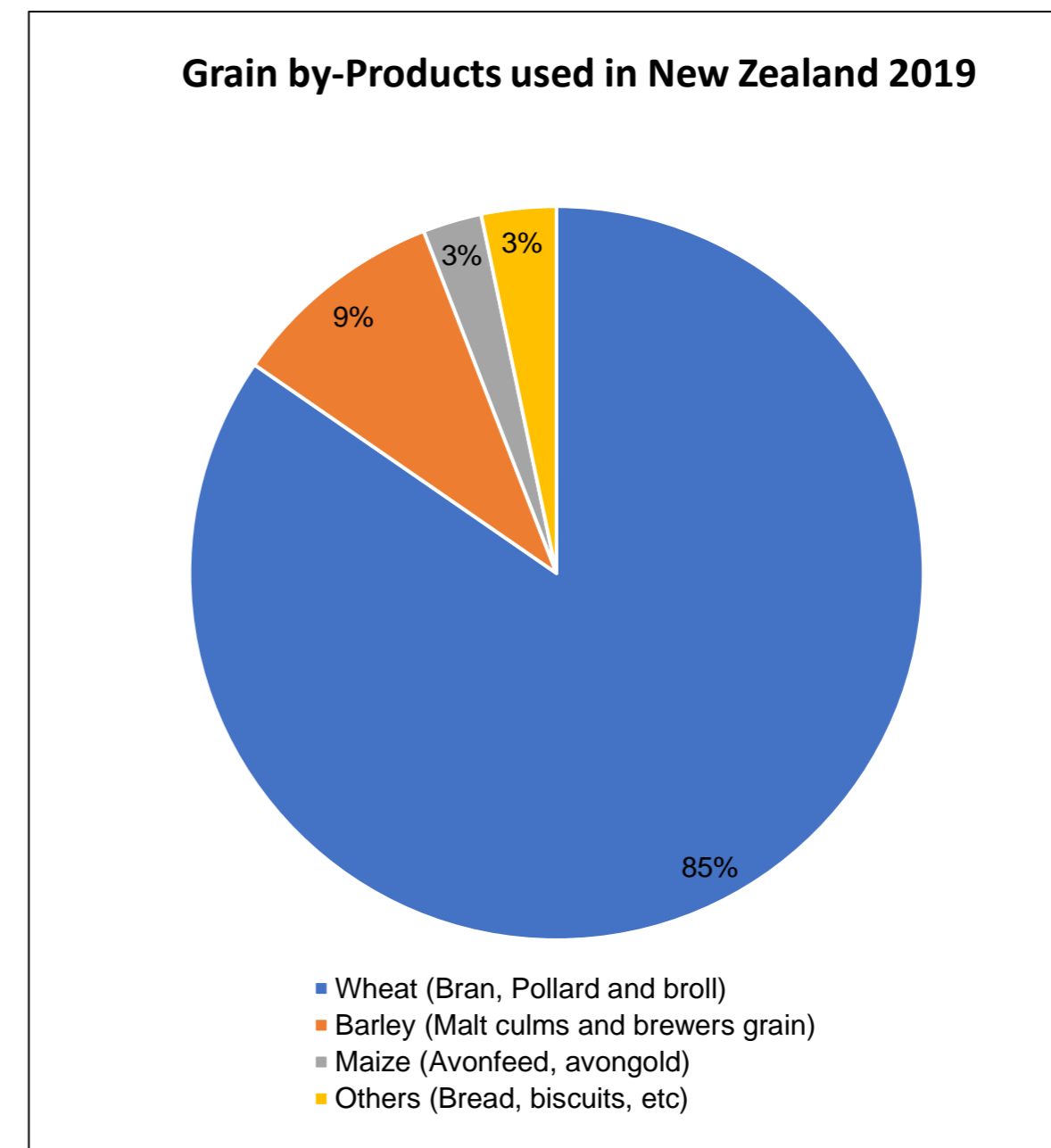
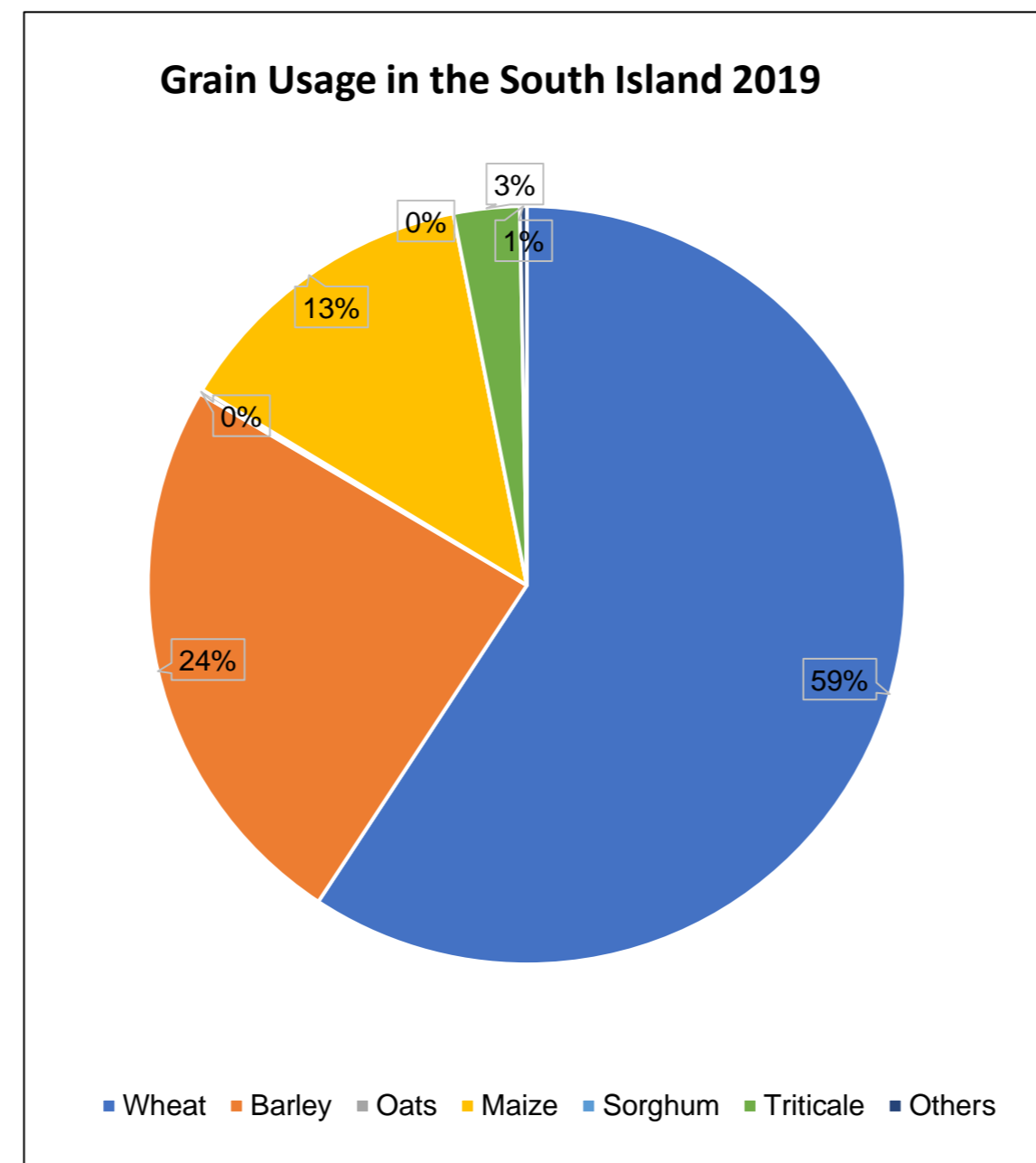
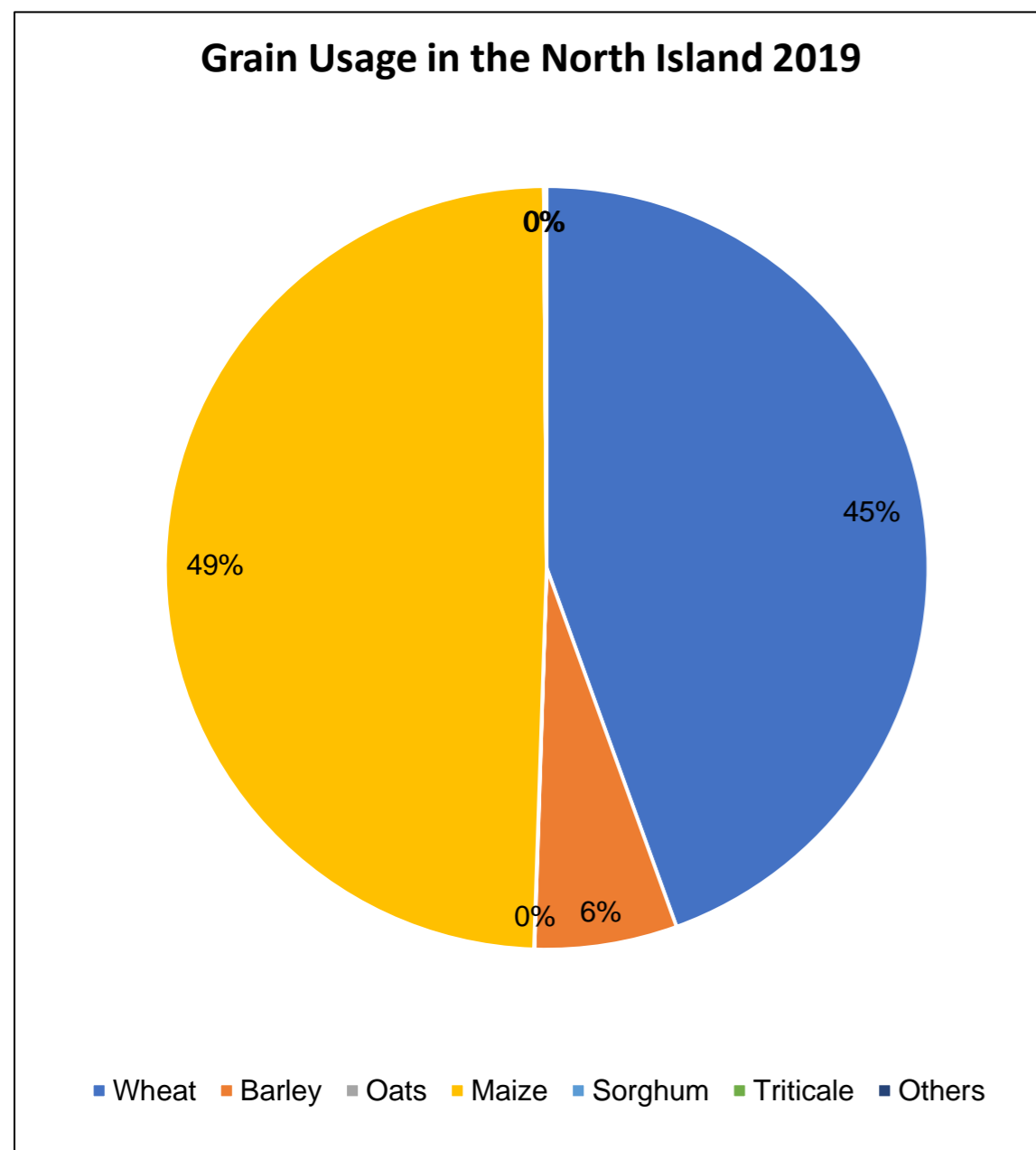
	Tonnage	% of Total
Wheat	190,741	44%
Barley	25,899	6%
Oats	90	0%
Maize	211,668	49%
Sorghum	-	0%
Triticale	-	0%
Others	512	0%
Total	428,910	100%

Grain Usage in the South Island 2019

	Tonnage	% of Total
Wheat	125,139	59%
Barley	51,002	24%
Oats	398	0%
Maize	28,000	13%
Sorghum	-	0%
Triticale	5,947	3%
Others	623	0%
Total	211,109	100%

Grain by-Products used in New Zealand 2019

	Tonnage	% of Total
Wheat (Bran, Pollard and broll)	58,351	85%
Barley (Malt culms and brewers gr:	6,542	9%
Maize (Avonfeed, avongold)	1,791	3%
Others (Bread, biscuits, etc)	2,273	3%
Total	68,957	100%

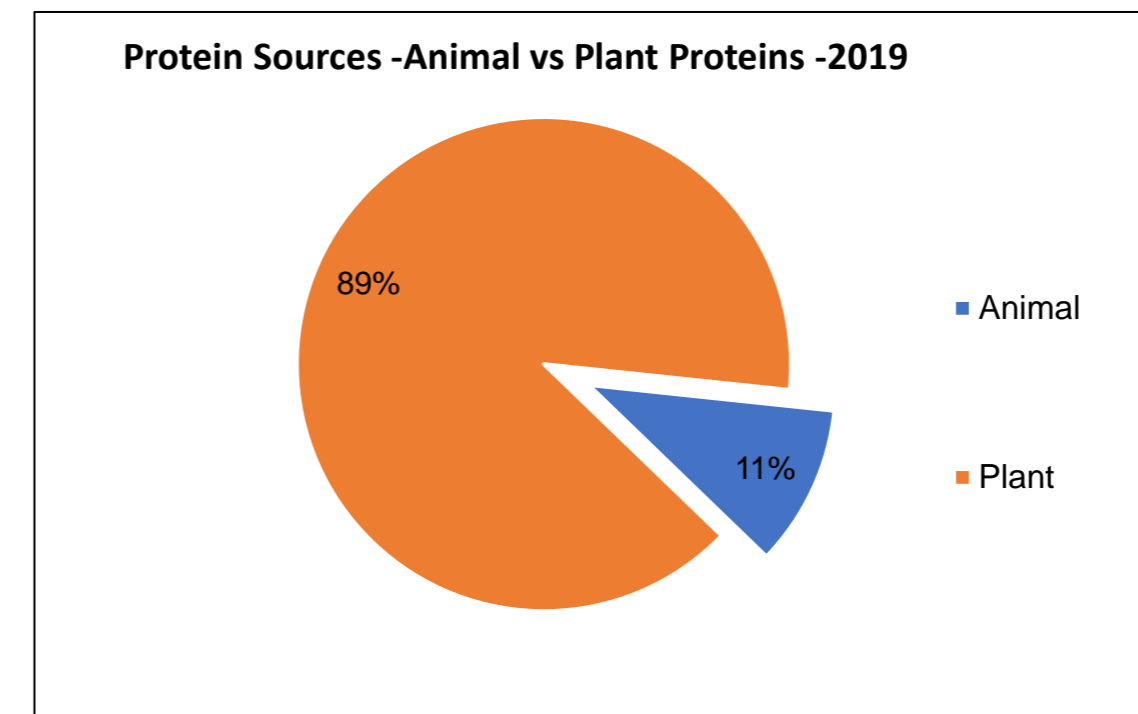


Protein usage in New Zealand 2019

	Tonnage	% of Total
Meat and bone meal (non-poultry)	24,531.77	8%
Bloodmeal (non-poultry)	1,645.54	1%
Fishmeal	2,024.68	1%
Poultry by-product meal	866.58	0%
Milkpowders	4,363.42	1%
Other animal proteins	1,019.00	0%
Peas	2,345.20	1%
Soya meal	169,777.66	52%
Copra	17,353.58	5%
Palm kernel	22,583.48	7%
Other plant proteins	79,960.83	24%
Total	326,471.74	100%

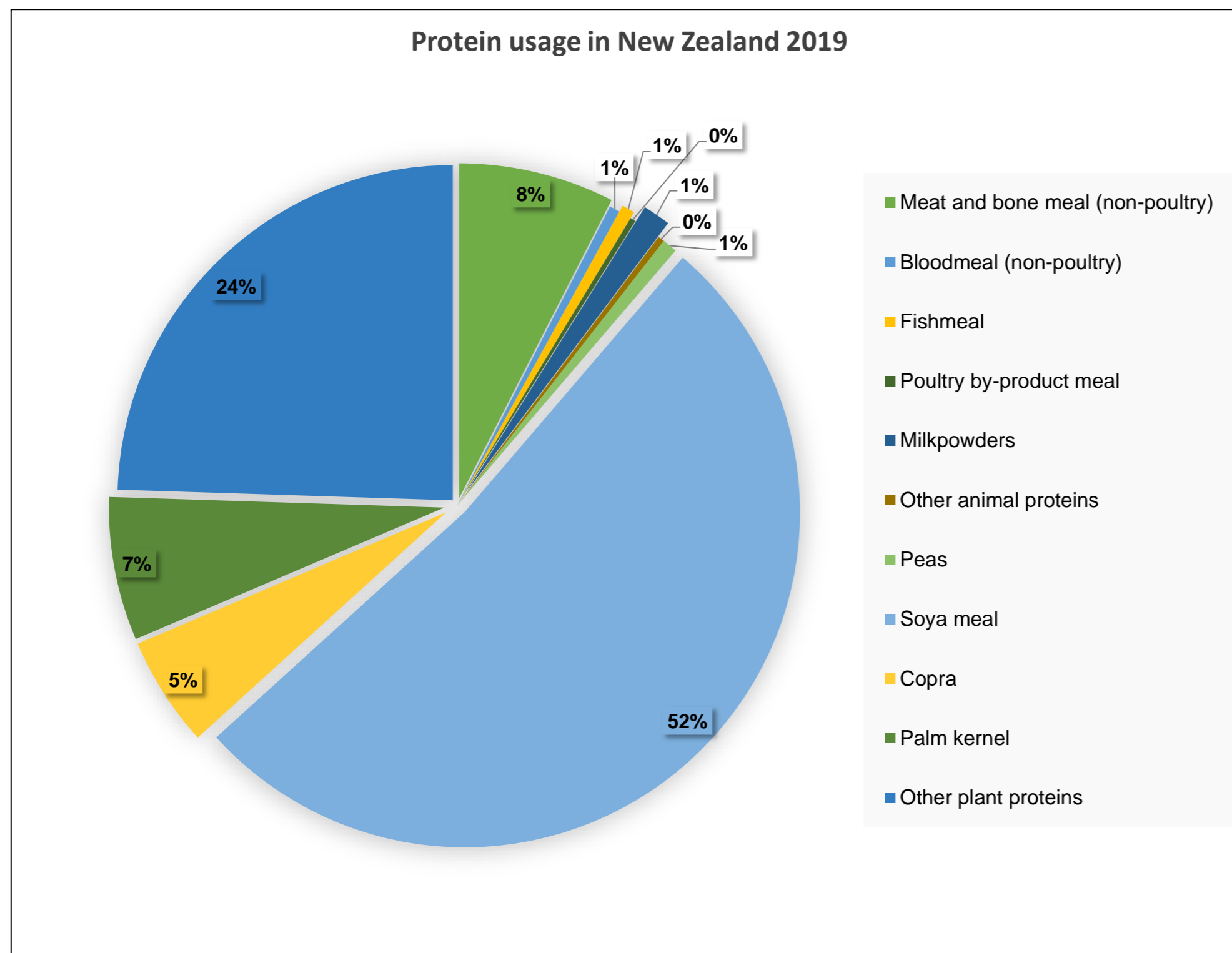
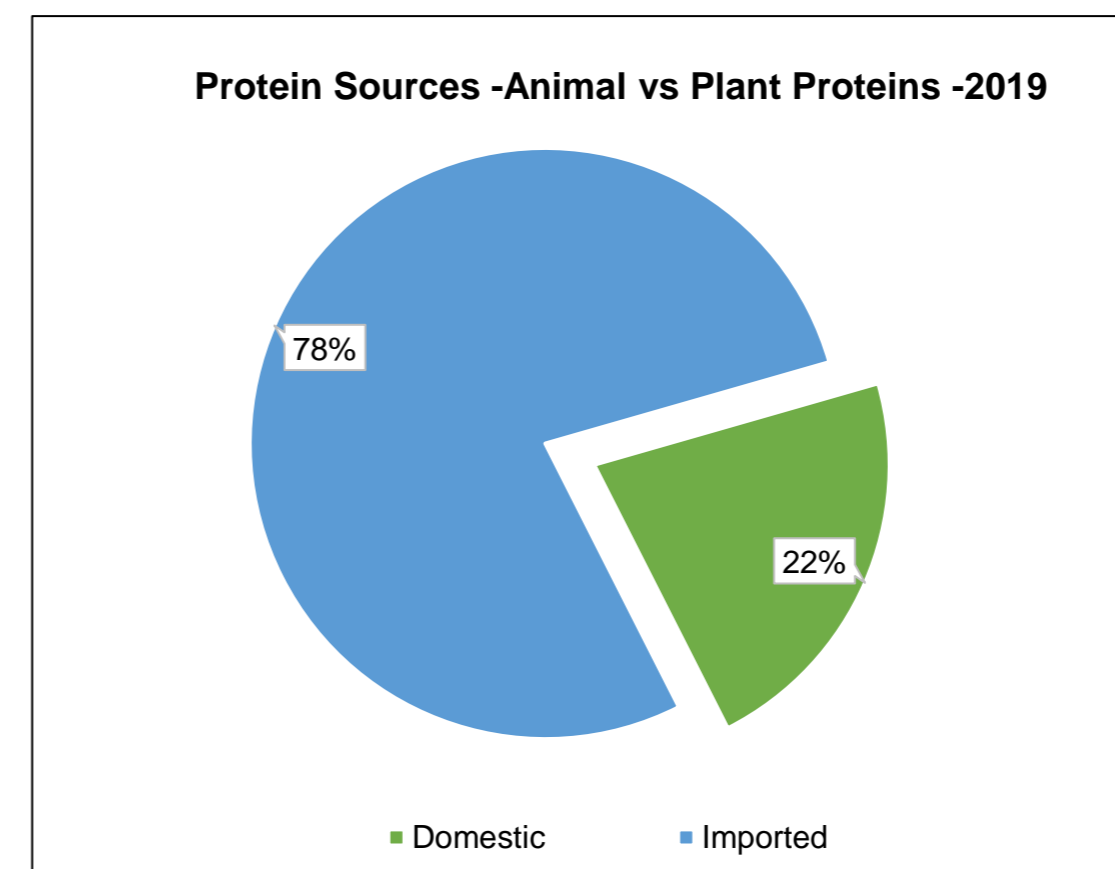
Protein Sources -Animal vs Plant Proteins -2019

	Tonnage	% of Total
Animal	34,450.99	11%
Plant	292,020.75	89%
Total	326,471.74	100%



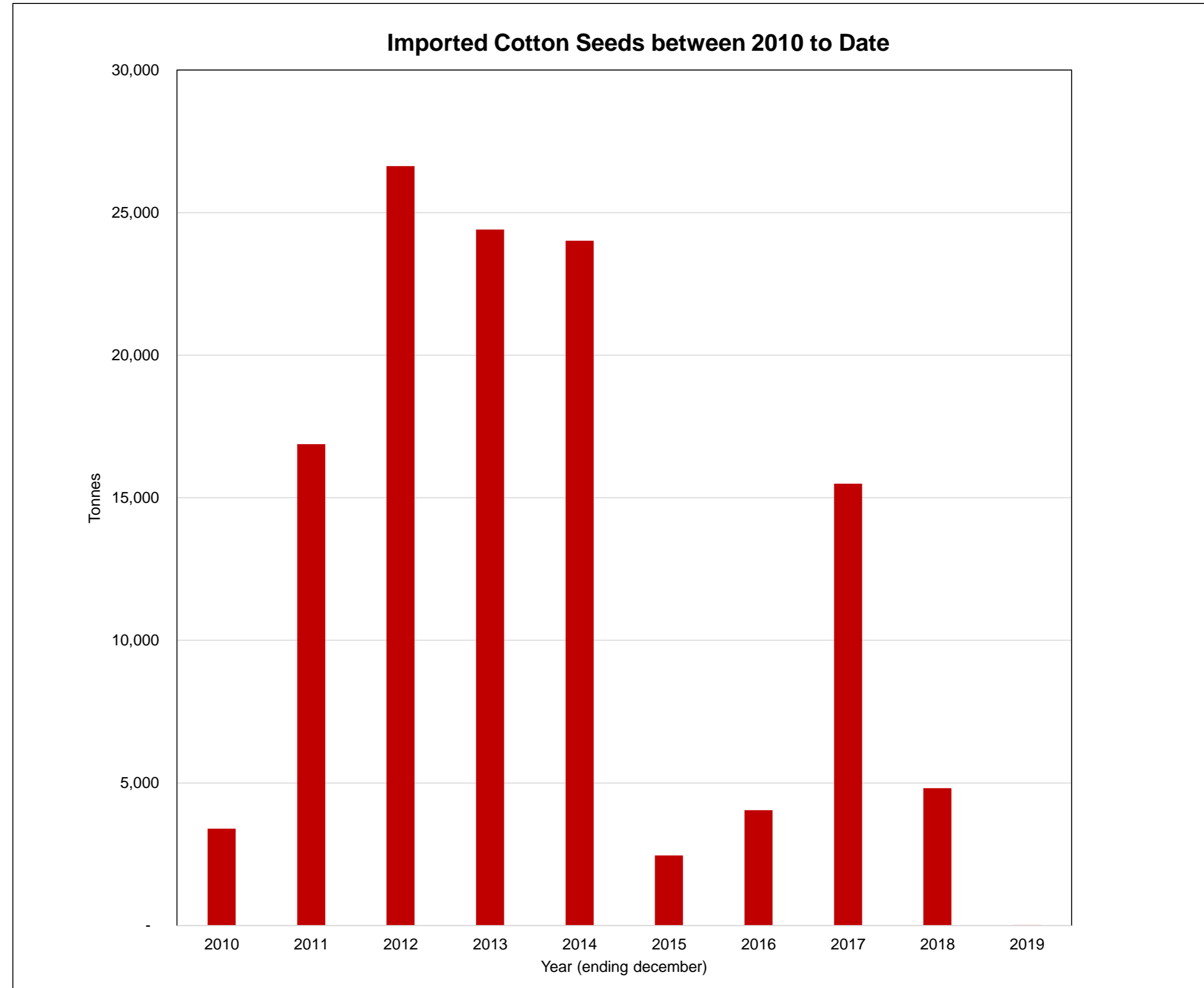
Protein Sources -Domestic vs Imported -2019

	Tonnage	% of Total
Domestic	71,742.91	22%
Imported	254,728.84	78%
Total	326,471.74	100%



Imported Cotton Seeds between 2010 to Date

Year	Tonnage	% Δ
2010	3,395	397%
2011	16,881	58%
2012	26,626	-8%
2013	24,404	-2%
2014	24,015	-90%
2015	2,452	65%
2016	4,049	283%
2017	15,498	-69%
2018	4,822	-100%
2019	15	-100%

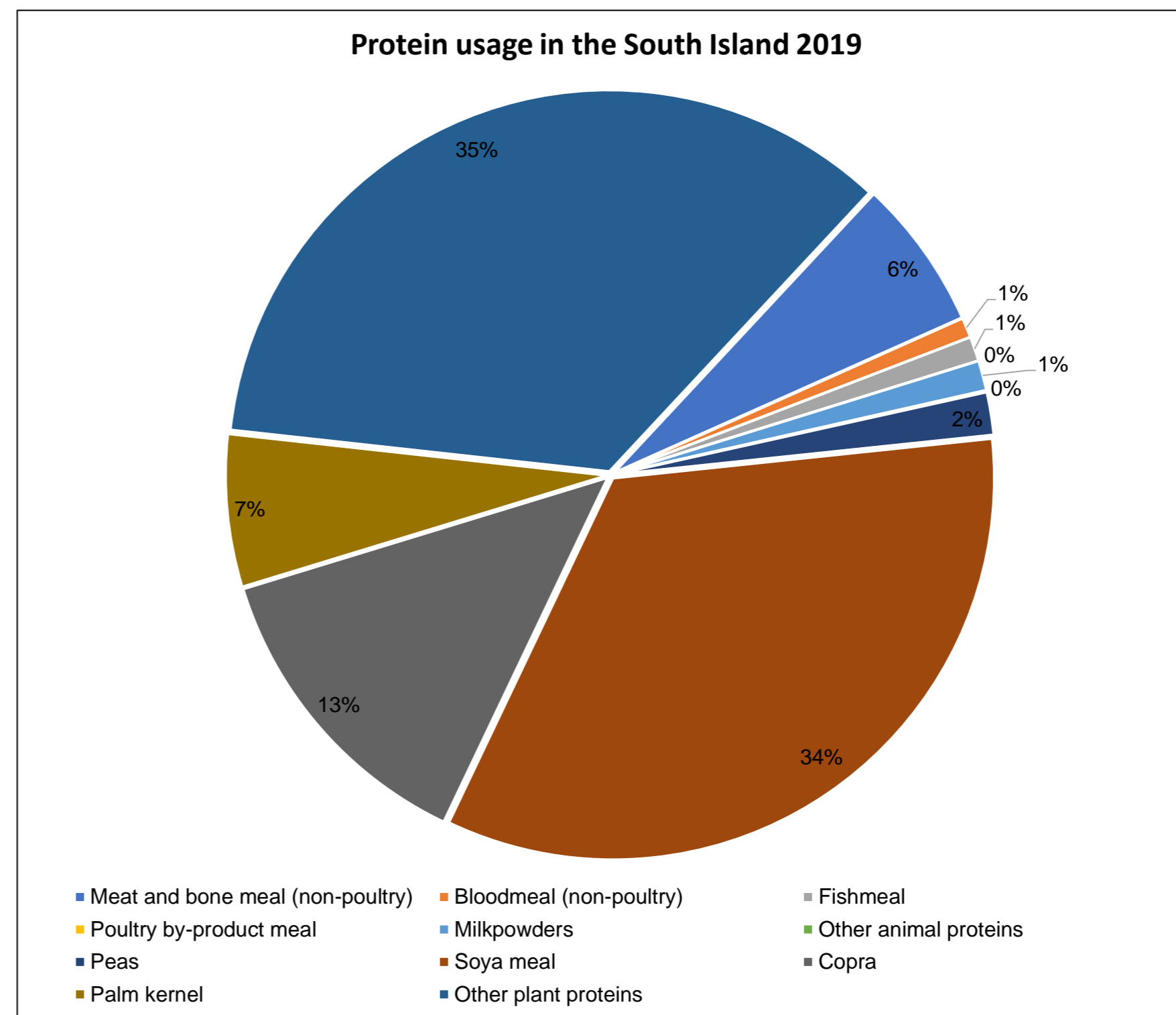
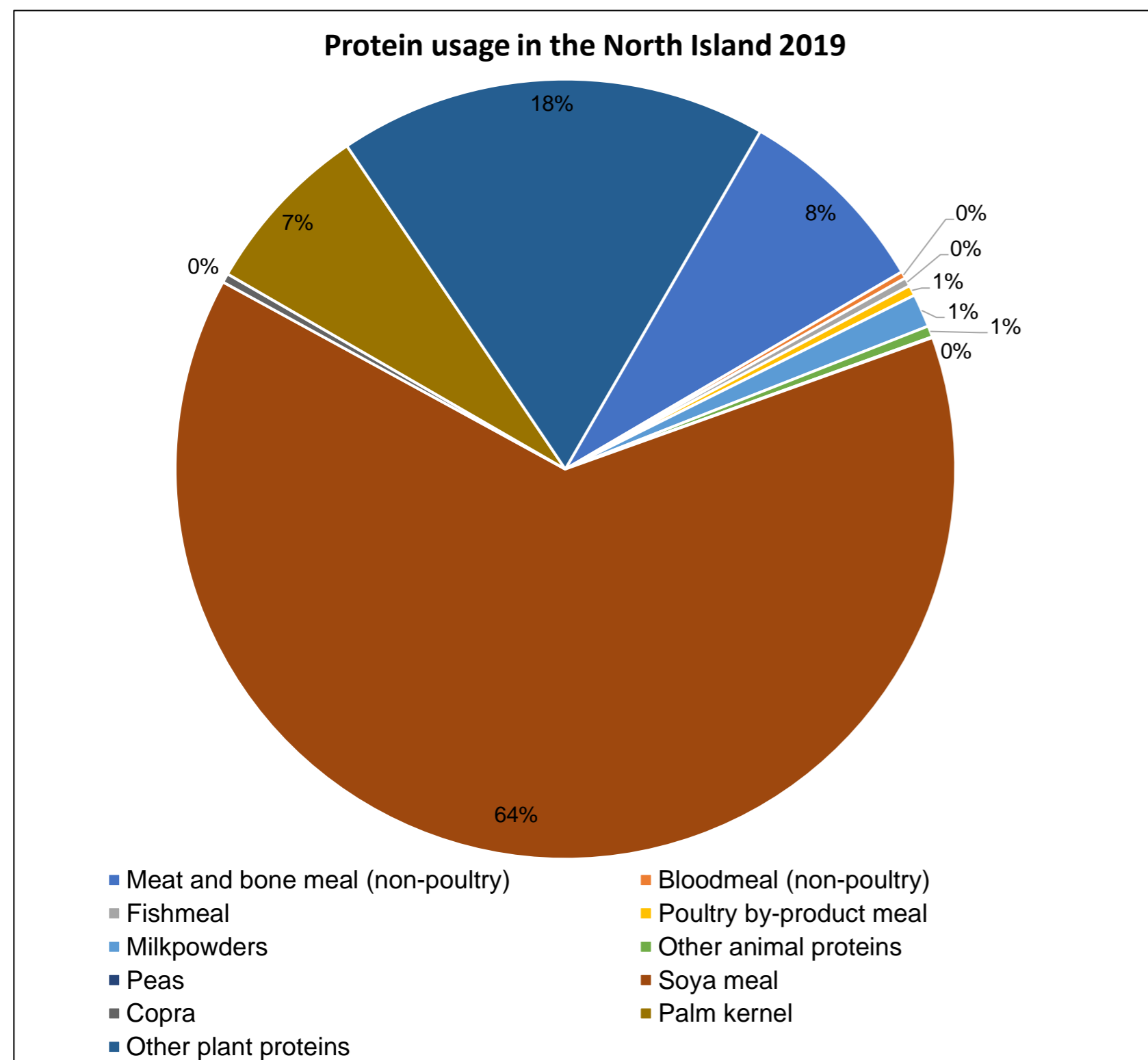


Protein usage in the North Island 2019

	Tonnage	% of Total
Meat and bone meal (non-poultry)	16,511.14	8%
Bloodmeal (non-poultry)	585.00	0%
Fishmeal	724.13	0%
Poultry by-product meal	866.58	0%
Milkpowders	2,775.48	1%
Other animal proteins	937.00	0%
Peas	72.49	0%
Soya meal	127,372.70	63%
Copra	762.08	0%
Palm kernel	14,463.54	7%
Other plant proteins	35,715.36	18%
Total	200,785.49	100%

Protein usage on the South Island 2019

	Tonnage	% of Total
Meat and bone meal (non-poultry)	8,021	6%
Bloodmeal (non-poultry)	1,061	1%
Fishmeal	1,301	1%
Poultry by-product meal	-	0%
Milkpowders	1,588	1%
Other animal proteins	82	0%
Peas	2,273	2%
Soya meal	42,405	34%
Copra	16,592	13%
Palm kernel	8,120	6%
Other plant proteins	44,245	35%
Total	125,686	100%



Roughages used in New Zealand 2019

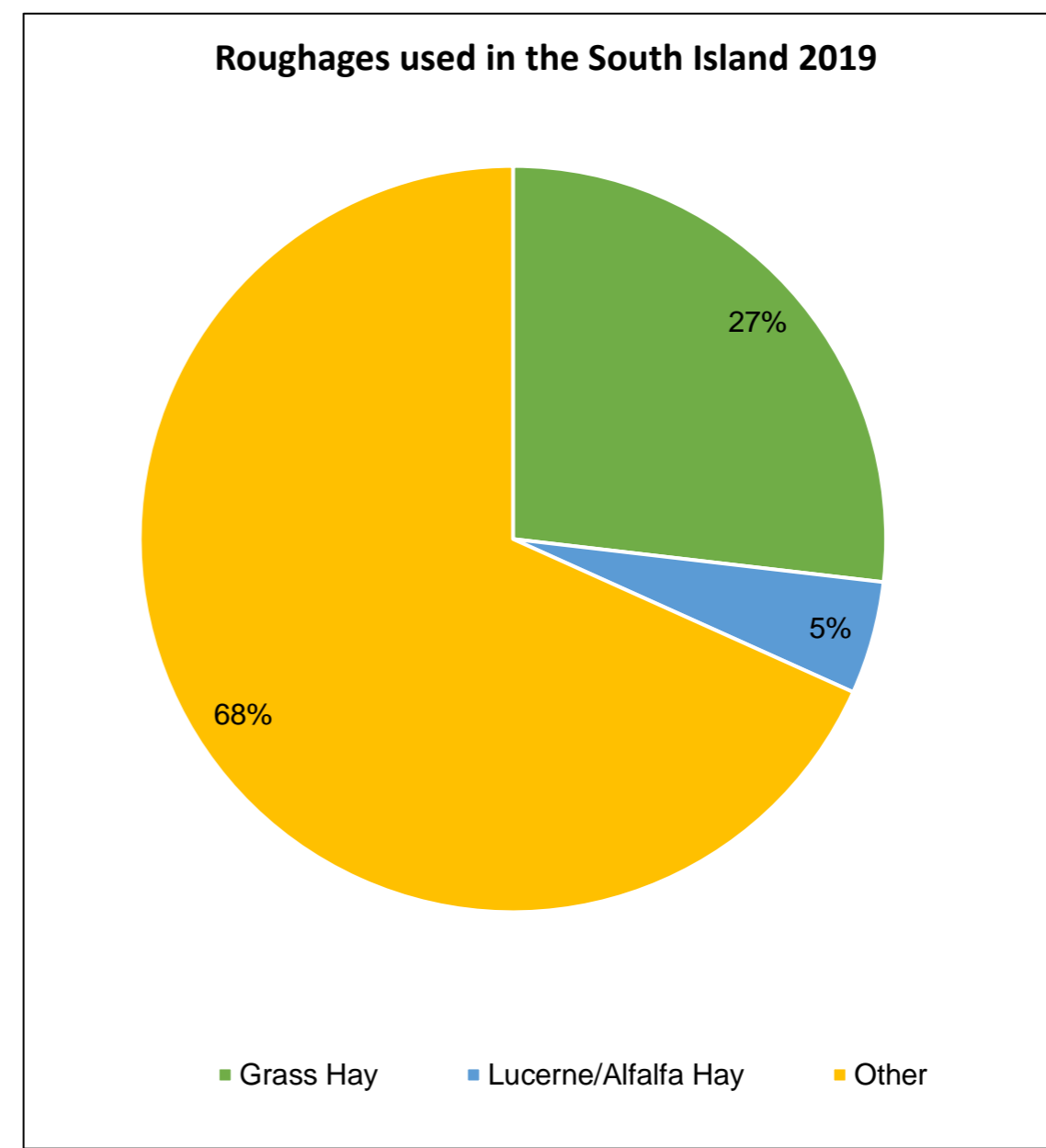
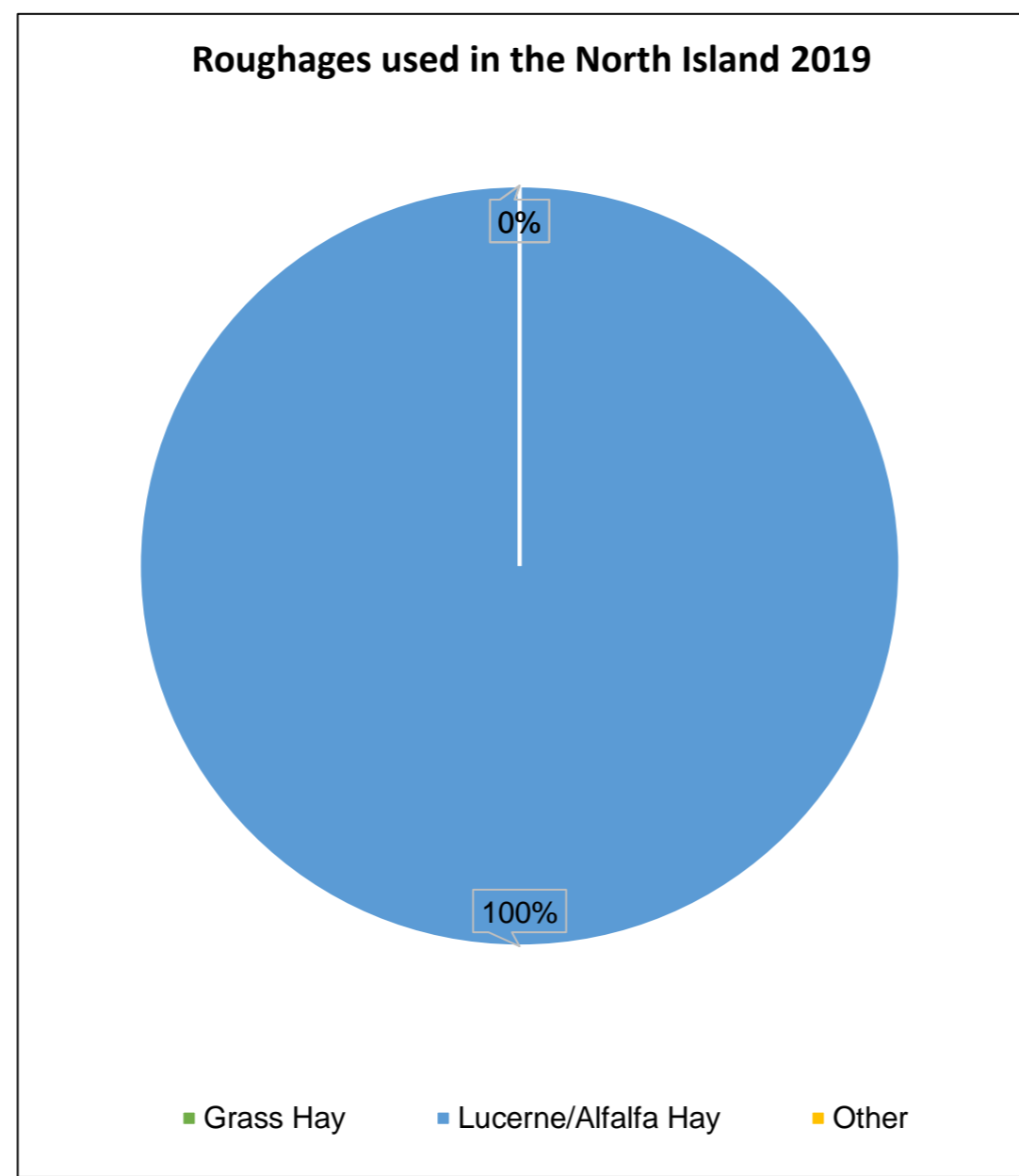
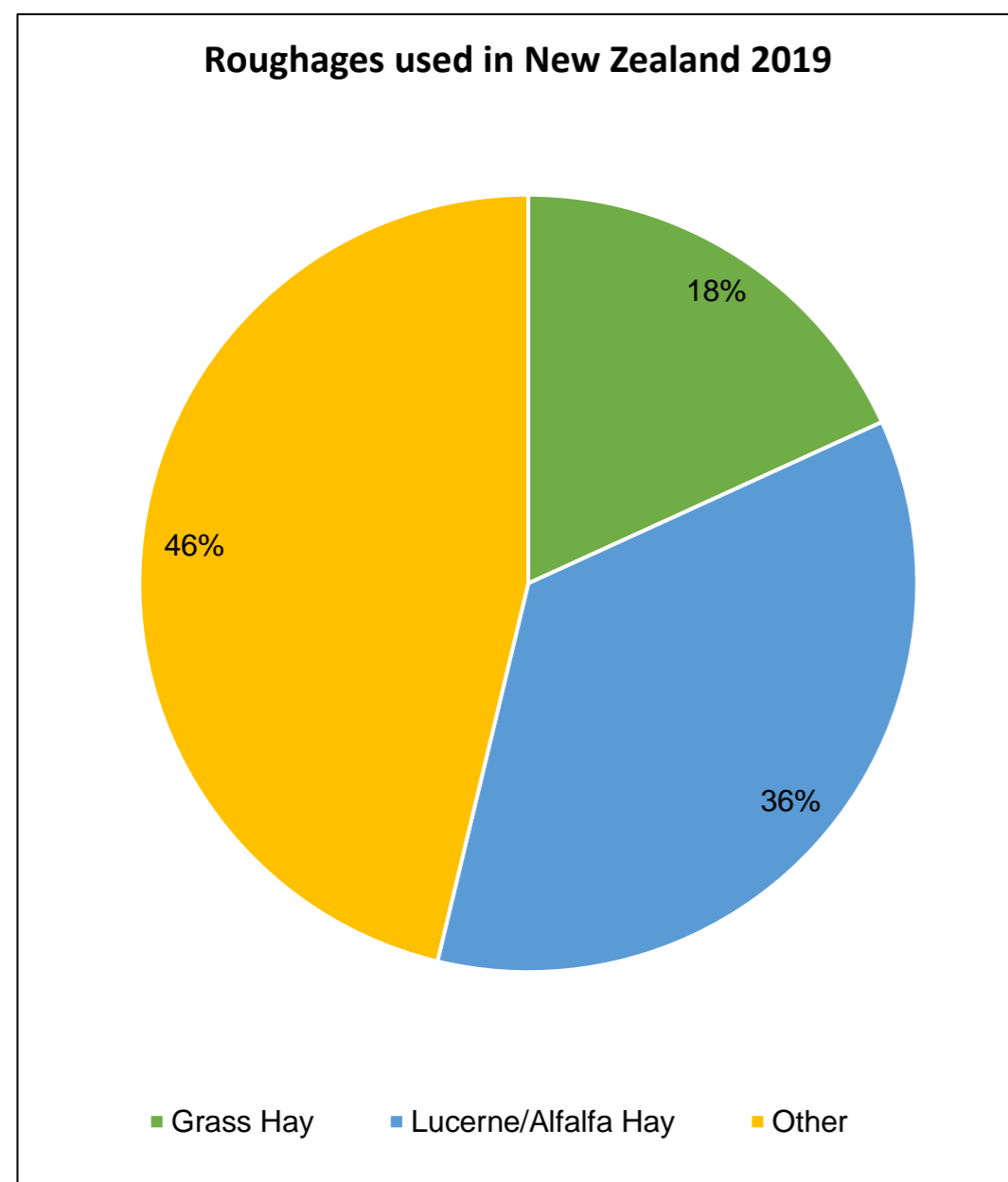
	Tonnage	% of Total
Grass Hay	286	18%
Lucerne/Alfalfa H	560	36%
Other	727	46%
Total	1,573	100%

Roughages used in the North Island 2019

	Tonnage	% of Total
Grass Hay	-	0%
Lucerne/Alfalfa H	507	100%
Other	-	0%
Total	507	100%

Roughages used in the South Island 2019

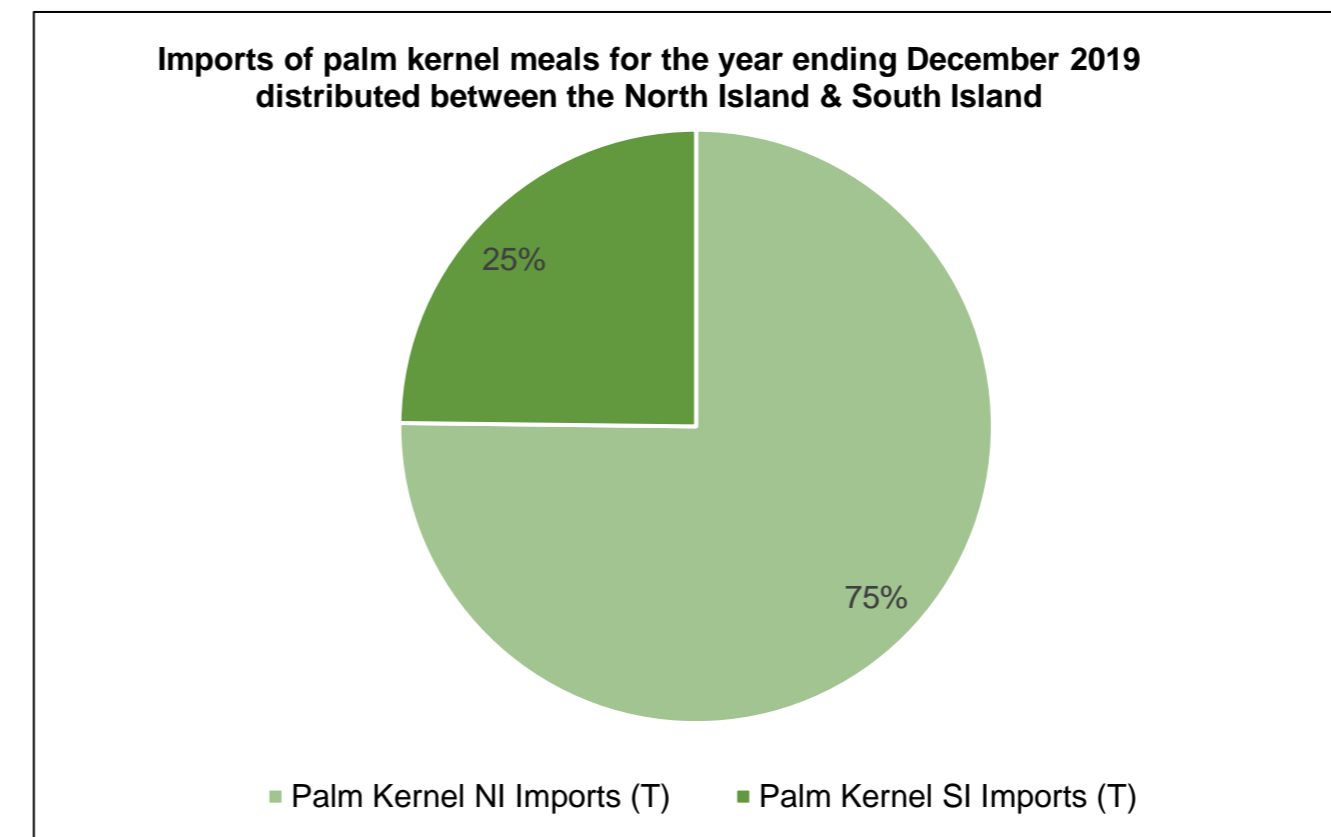
	Tonnage	% of Total
Grass Hay	286	27%
Lucerne/Alfalfa H	52	5%
Other	727	68%
Total	1,065	100%



Imports of palm kernel and copra meals for the year ending December 2019

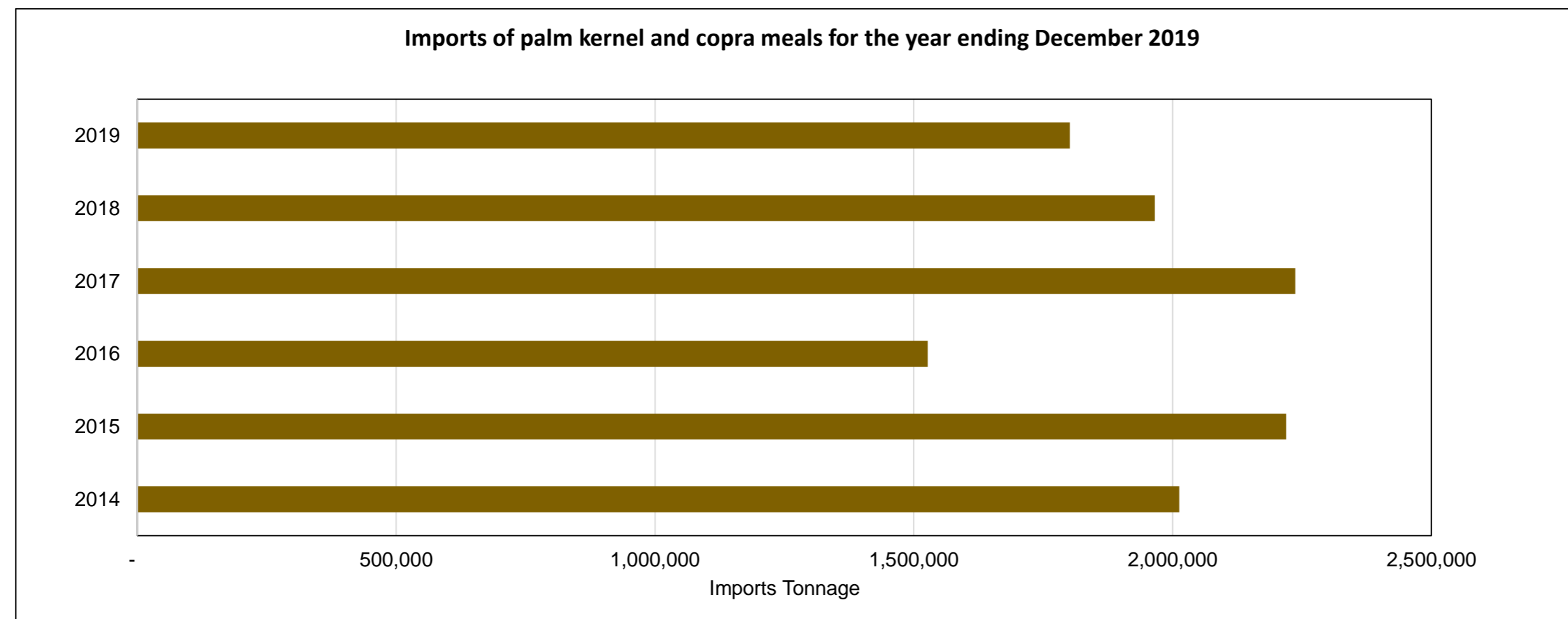
Kernel & Copra Imports:	Year ending December 2019	Year ending December 2018	% change
Total Copra Imports (T)	1,156	22	5080.24%
Total Palm Kernel Imports (T)	1,801,418	1,965,352	-8.34%

Copra NI Imports (T)	789	0	443388.76%
Copra SI Imports (T)	366	22	1554.92%
Palm Kernel NI Imports (T)	1,354,379	1,520,431	-10.92%
Palm Kernel SI Imports (T)	447,039	444,921	0.48%



	2014	2015	2016	2017	2018	2019
Total Copra Imports (T)	1,104	543	47	42	22	1,156
Total Palm Kernel Imports (T)	2,012,799	2,219,282	1,526,966	2,236,999	1,965,352	1,801,418

Copra NI Imports (T)	1,082	504	27	3	0	789
Copra SI Imports (T)	22	38	20	39	22	366
Palm Kernel NI Imports (T)	1,611,987	1,549,359	1,206,330	1,763,284	1,520,431	1,354,379
Palm Kernel SI Imports (T)	400,813	669,923	320,637	473,715	444,921	447,039

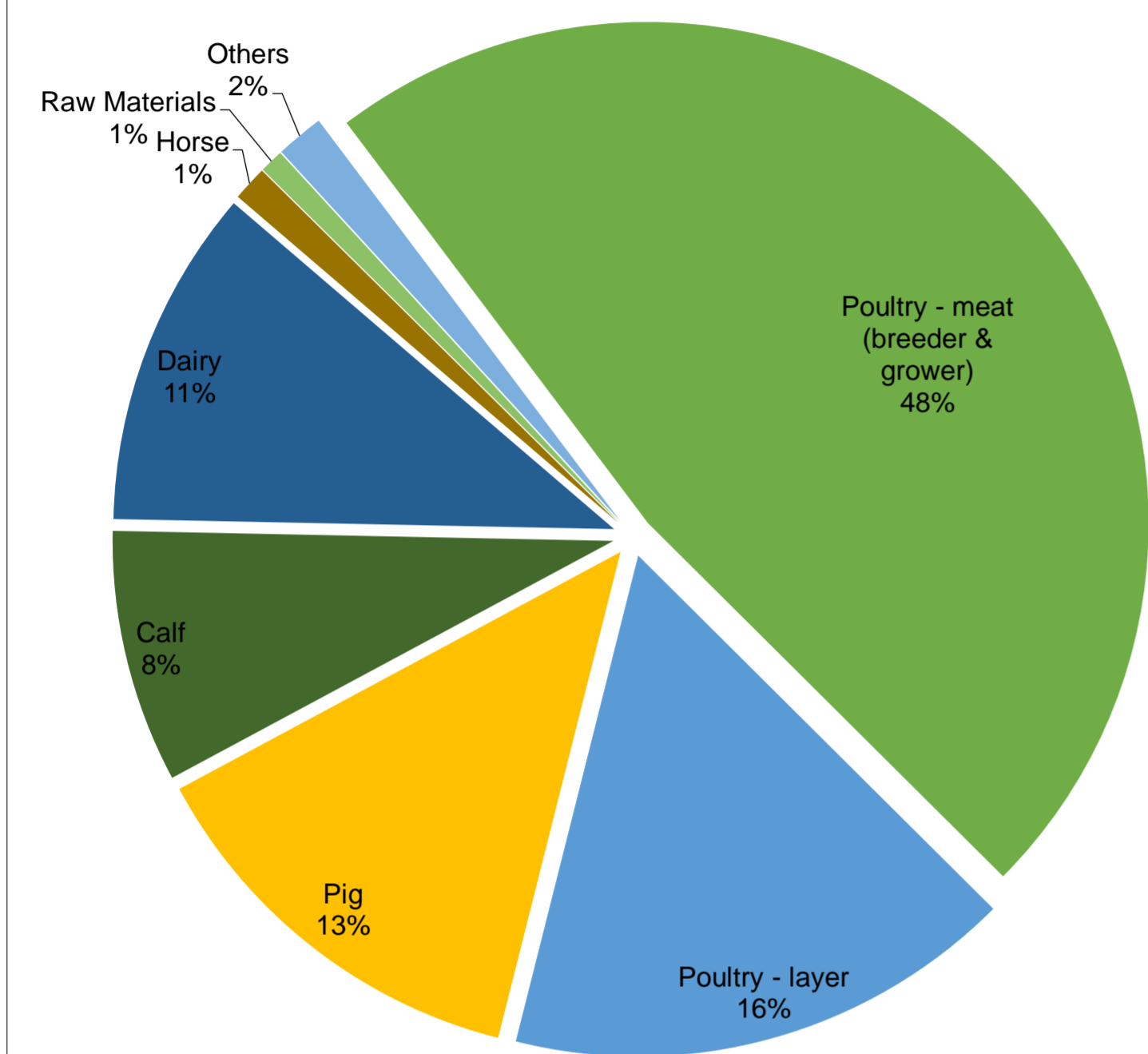


NZFMA Compound Feed Production Statistics
Feed production statistics for the year ending 2019

Feed type	North Island		South Island		Total Tonnage	% of Total	Comparison Year 2018	% Δ
	Bulk	Bagged	Bulk	Bagged				
Poultry - Meat & Breeding								
Poultrymeat - Grower Feeds (chk,tur,dck)	382,986	1,711	82,544	60	467,301	43%	471,646	- 0.01
Poultrymeat - all Breeder Flocks	45,669	-	8,340	-	54,010	5%	48,088	0.12
Poultry - Layer								
Layer Flocks incl Rearing & Breeders	105,025	24,805	42,934	7,181	179,944	16%	169,559	0.06
Pig								
Grower & General Feeds	21,347	5,562	93,346	285	120,539	11%	123,226	- 0.02
Breeder Feeds	5,803	1,221	16,453	479	23,956	2%	24,720	- 0.03
Calf								
Milk replacers	11	2,729	-	321	3,061	0%	2,745	0.12
Meals, Pellets, Crumbles etc	10,743	43,510	2,846	19,620	76,720	7%	78,090	- 0.02
Textured Feeds	-	6,629	-	2,691	9,320	1%	10,588	- 0.12
Ruminant								
Dairy	67,814	2,777	41,322	7,701	119,614	11%	156,197	- 0.23
Beef, Sheep, Deer, Goat	3,352	3,009	1,446	4,309	12,115	1%	11,796	0.03
Horse								
Meals, Pellets, Crumbles etc	-	1,419	-	3	1,422	0%	1,365	0.04
Textured Feeds	-	3,531	1,423	5,998	10,951	1%	8,115	0.35
Others								
Aquaculture	-	13	-	-	13	0%	10	0.30
Dog	-	1,826	-	-	1,826	0%	2,060	- 0.11
Rabbits, Small Animals	-	612	23	341	975	0%	990	- 0.01
Emu/Ostrich	-	7	-	27	34	0%	11	2.08
Other	15	1,048	830	44	1,937	0%	1,557	0.24
Raw Materials								
Grain & Grain Mixtures	1,148	1,059	1,598	2,219	6,024	1%	9,671	- 0.38
All Other Raw Materials	1,215	157	536	486	2,394	0%	6,247	- 0.62
Unblended Milk Powders for Sale								
SUB TOTAL	645,127	101,625	293,640	51,763	1,092,157	100%	1,126,679	- 0.03
TOTAL PER ISLAND	746753		345404					

NZFMA Feed Production Graphs
Feed production statistics for the year ending 2019

Feed production by species - 2019

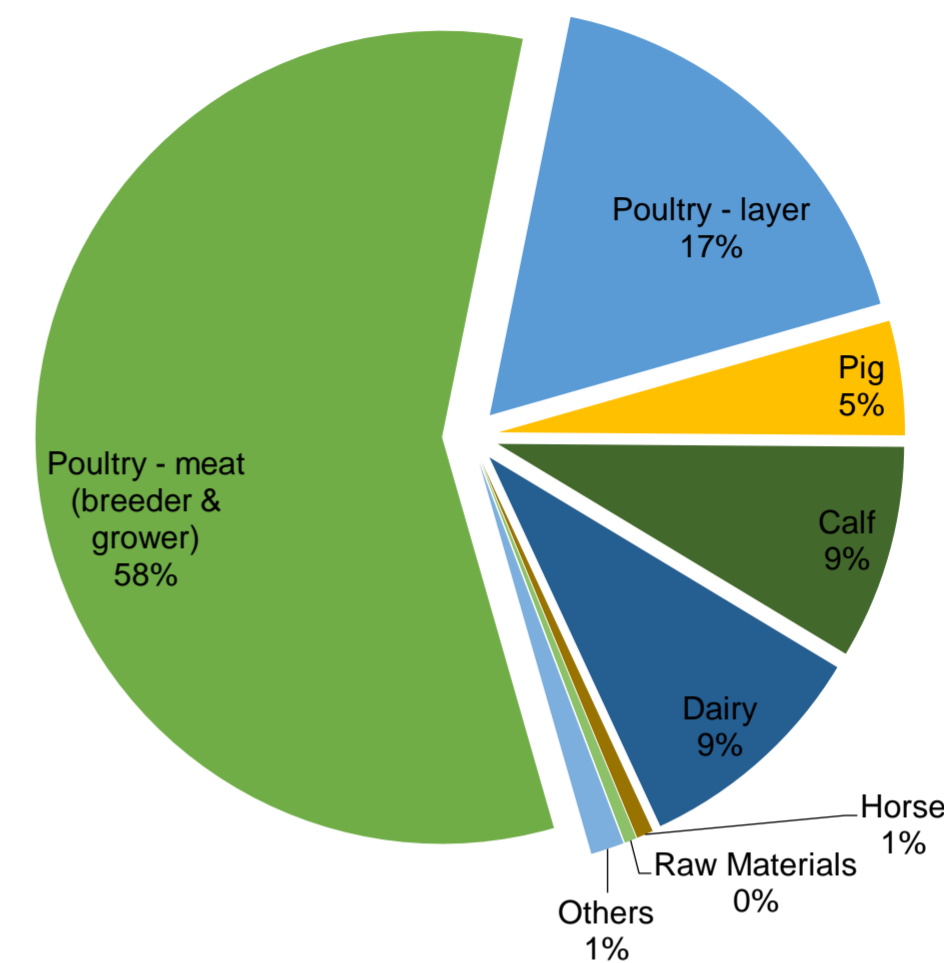


Feed category	Tonnes	%
Poultry - meat (breeder & grower)	521,311	48%
Poultry - layer	179,944	16%
Pig	144,495	13%
Calf	89,101	8%
Dairy	119,614	11%
Horse	12,373	1%
Raw Materials	8,418	1%
Others	16,901	2%
Totals	1,092,157	100%

Feed production in the North Island - 2019

Feed category	Tonnes	%
Poultry - meat (breeder & grower)	430,367	58%
Poultry - layer	129,830	17%
Pig	33,932	5%
Calf	63,623	9%
Dairy	70,590	9%
Horse	4,950	1%
Raw Materials	3,580	0%
Others	9,881	1%
Totals	746,753	100%

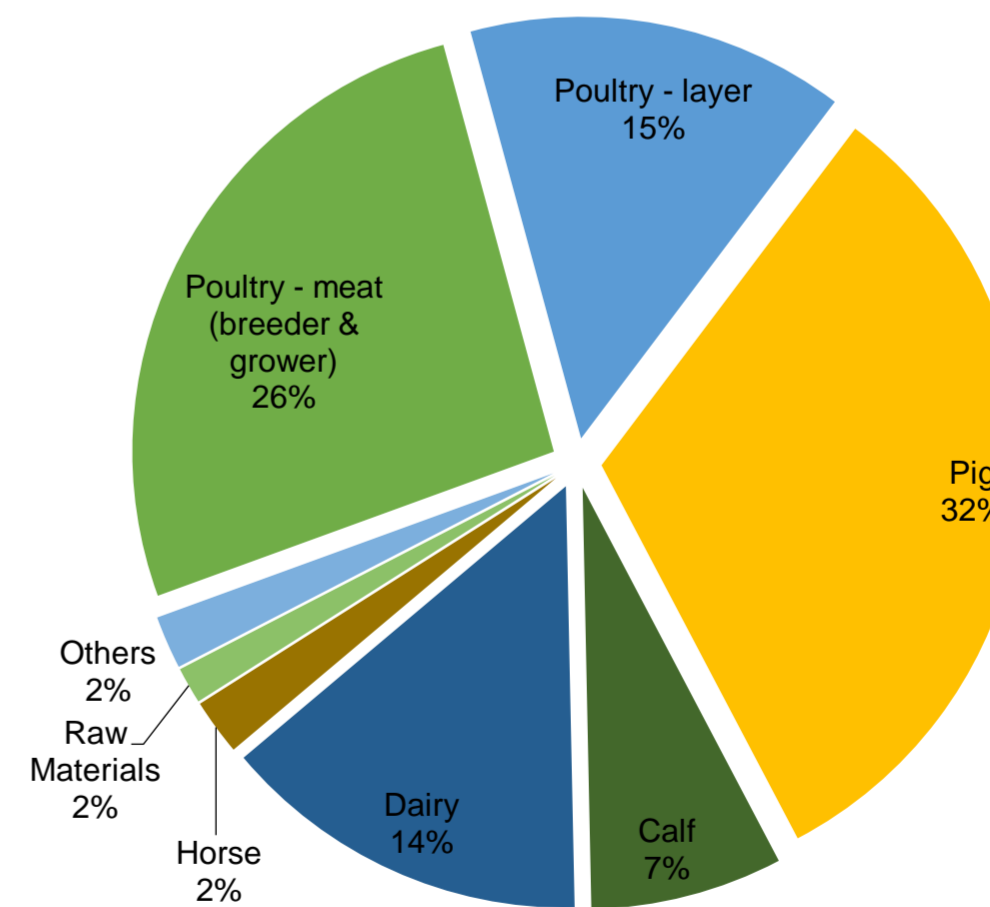
Feed production in the North Island - 2019



Feed production in the South Island - 2019

Feed category	Tonnes	%
Poultry - meat (breeder & grower)	90,944	26%
Poultry - layer	50,115	15%
Pig	110,563	32%
Calf	25,478	7%
Dairy	49,023	14%
Horse	7,424	2%
Raw Materials	4,838	1%
Others	7,020	2%
Totals	345,404	100%

Feed production in the South Island - 2019



Summary of Historical Production Data
 Historical Annual Compound Feed Statistics by Species

Year ending	Dec-08	Dec-09	Dec-10	Dec-11	Dec-12	Dec-13	Dec-14	Dec-15	Dec-16	Dec-17	Dec-18	Dec-19
Poultry - Meat & Breeding												
Poultrymeat - Grower Feeds	349,061	306,035	341,107	370,737	388,959	372,892	387,271	421,501	433,122	450,204	471,646	467,301
Poultrymeat - all Breeder Flocks	52,410	49,121	41,858	30,333	15,537	32,869	47,898	52,810	49,987	50,639	48,088	54,010
Poultry - Layer												
Layer Flocks incl Rearing & Breeders	127,162	131,108	143,505	140,315	136,574	132,986	149,725	159,496	167,413	169,162	169,559	179,944
Pig												
Grower & General Feeds	142,033	129,168	132,022	140,514	137,156	123,851	118,501	113,163	119,588	127,670	123,226	120,539
Breeder Feeds	40,061	36,432	36,671	39,632	36,786	24,918	23,899	23,118	26,631	24,173	24,720	23,956
Calf												
Milk replacers	4,811	3,345	383	1,403	15,432	16,129	7,432	12,958	1,864	2,507	2,745	3,061
Meals, Pellets, Crumbles etc	54,499	33,346	35,631	48,595	48,882	55,313	74,201	56,128	66,551	79,644	78,090	76,720
Textured Feeds	8,628	4,904	726	776	6,004	4,642	1,760	6,914	10,680	11,923	10,588	9,320
Ruminant												
Dairy	139,657	49,271	92,142	117,073	134,444	171,259	216,065	107,668	120,000	171,774	156,197	119,614
Beef, Sheep, Deer, Goat	8,719	2,494	4,939	4,026	5,970	12,485	9,971	15,428	13,268	10,713	11,796	12,115
Horse												
Meals, Pellets, Crumbles etc	5,969	3,195	2,506	3,053	4,685	3,745	2,720	2,921	294	357	1,365	1,422
Textured Feeds	8,210	4,837	4,917	5,474	4,475	4,930	8,458	7,363	6,012	7,892	8,115	10,951
Others												
Aquaculture	2	-	-	1,989	942	1,058	288	85	3	4	10	13
Dog	4,739	2,603	2,463	2,295	2,752	2,017	2,677	1,758	2,233	2,423	2,060	1,826
Rabbits, Small Animals	1,002	793	797	1,089	989	996	827	1,112	1,105	1,219	990	975
Emu/Ostrich	111	27	48	74	27	12	4	-	3	6	11	34
Other	709	1,744	1,490	2,961	2,365	1,474	1,695	1,600	3,632	646	1,557	1,937
Raw Materials												
Grain & Grain Mixtures	15,297	20,911	10,139	9,101	18,390	19,300	12,190	12,188	9,287	5,685	9,671	6,024
All Other Raw Materials	2,341	526	1,768	2,449	3,665	9,920	12,558	23,059	13,398	11,166	6,247	2,394
Unblended Milk Powders for Sale	45	20	-	-	-	231	-	-	-	-	-	-
TOTAL	965,465	779,881	853,111	921,890	964,035	991,027	1,078,141	1,019,269	1,045,071	1,127,806	1,126,679	1,092,157
% change compared to previous year		-19.22%	9.39%	8.06%	4.57%	2.80%	8.79%	-5.46%	2.53%	7.92%	-0.10%	-3.06%