

## Quarterly Feed Production Statistics for the Quarter ending Dec 2022 Executive Summary

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

Some observations:

There was an increase in an imported palm kernel for the current quarter by 28.5% to 631,365 tonnes compared to the same quarter of last year.

No cotton seeds were imported for the current quarter.

Regarding raw material usage maize decreased by 56% to 12,914 tons while Wheat increased by 23% to 125,467 tons as compared to the same quarter of last year. Barley usage decreased by 30% to 25,686 tons compared to the December quarter 2021.

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

### Feed Production:

North Island		South Island		Total	Comparison	
Bulk	Bagged	Bulk	Bagged	Tonnage	4th Quarter 2021	% Change
166,803	22,194	82,104	18,343	289,444	299,888	-3%
188,997		100,447				

### Raw Material Use:

Raw Material		North Island	South Island	Total	Same quarter last year	% Change
Grains	Wheat	77,941	47,526	125,467	101,611	23%
	Maize	12,727	187	12,914	29,620	-56%
	Barley	11,027	14,659	25,686	36,914	-30%

Grain by-products	Wheat	11,280	4,236	15,516	16,679	-7%
Animal Protein	Meat and bone meal (non-poultry)	4,121	2,565	6,686	6,890	-3%
Plant Protein	Soya meal	28,525	11,057	39,582	39,711	0%

*Palm Kernel Imports:*

North Island	South Island	Total	Same last year	% Change
450,648	180,717	631,365	491,153	28.5%

*Species Specific Data Quarter Comparison Dec 2022 vs Dec Quarter 2021*

Species	North Island	South Island	Total	Same quarter previous year	% Change (Same quarter previous year)
Poultry - meat	102,785	24,112	126,896	129,704	-2%
Poultry - layer	30,034	11,970	42,004	43,551	-4%
Pig	8,521	27,752	36,273	38,188	-5%
Calf	18,671	13,969	32,641	30,450	7%
Dairy	22,752	16,343	39,095	43,600	-10%

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

**Year 2022**  
**Feed production statistics for the period 01 January 2022 to 31 December 2022**

	North Island		South Island		Total Tonnage	Comparison Year 2021	% Change
	Bulk	Bagged	Bulk	Bagged			
TOTAL BULK/BAG	654,618	83,952	328,660	61,744			
TOTAL PER ISLAND	738,569.50		390,403.50		1,128,973	1,103,170	2.34

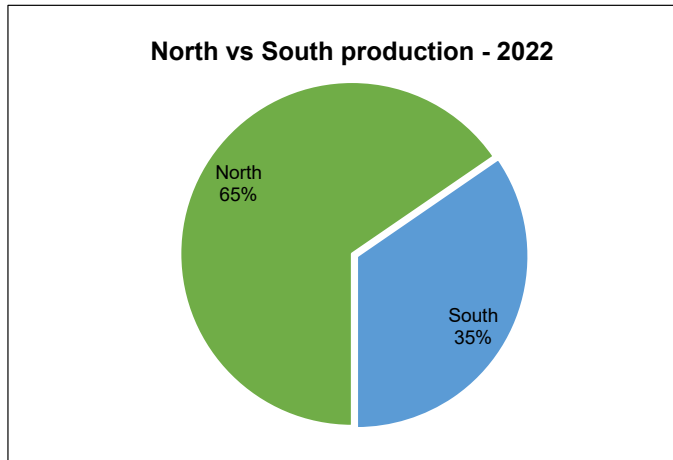
**Summary of Historical Production Data**

	Year 2015	Year 2016	Year 2017	Year 2018	Year 2019	Year 2020	Year 2021	Year 2022
TOTAL	1,019,269	1,045,071	1,127,806	1,126,679	1,092,157	1,080,093	1,103,170	1,128,973
% change from previous year	-5.46%	2.53%	7.92%	-0.10%	-3.06%	-1.10%	2.14%	2.34%

**Feed production statistics for the year ending December 2022**

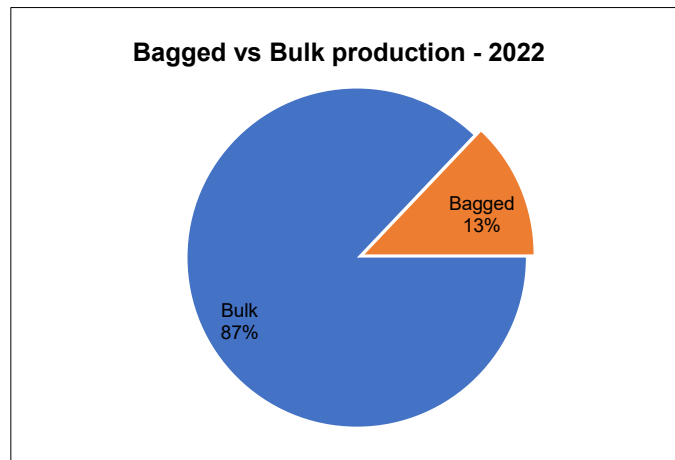
**North vs South production - 2022**

	Tonnage	% of Total
North	738,570	65%
South	390,404	35%



**Bagged vs Bulk production - 2022**

	Tonnage	% of Total
Bulk	983,277	87%
Bagged	145,696	13%



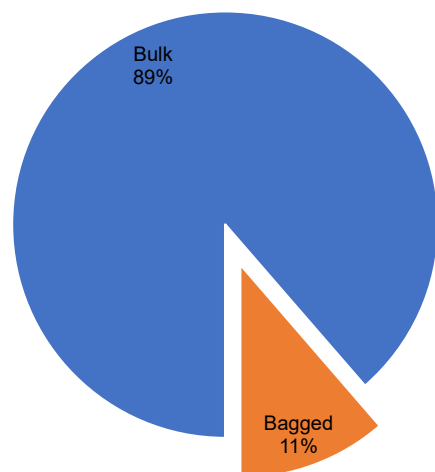
**New Zealand Feed Manufacturers Association  
Annual Feed Production Statistics**

**Year** **2022**  
Feed production statistics for the period 01 January 2022 to 31 December 2022

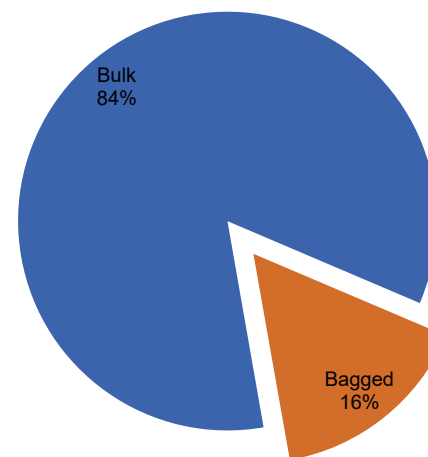
	North Island	
	Bulk	Bagged
TOTAL BULK/BAG	654,618	83,952

	South Island	
	Bulk	Bagged
TOTAL BULK/BAG	328,660	61,744

**North Island Bulk Vs Bagged production - 2022**



**South Island Bulk Vs Bagged production - 2022**



Sources and types of raw materials used in feed production  
Feed production statistics for the year ending December 2022

	RAW MATERIAL USAGE NORTH ISLAND MILLS							
	Domestic		Imported		Total use		Comp. Year 2021	
	T	%	T	%	T	%	T	% change
<b>Grains</b>								
Wheat	9,064	2.84	310,293	97.16	319,357	43.25	221,368	44.27
Barley	20,025	50.00	20,028	50.00	40,053	5.42	60,447	-33.74
Oats	1,772	100.00	-	-	1,772	0.24	2	88481.00
Maize	40,431	60.22	26,704	39.78	67,135	9.09	105,234	-36.20
Sorghum	-	-	26,248	100.00	26,248	3.55	4,745	453.23
Triticale	-	-	-	#DIV/0!	-	-	-	-
Others	-	214.00	214	100.00	214	0.03	1,675	-87.22
<b>subtotal</b>	<b>71,292</b>	<b>15.68</b>	<b>383,488</b>	<b>84.32</b>	<b>454,780</b>	<b>61.58</b>	<b>393,471</b>	<b>15.58</b>
<b>Grain by-products</b>								
Wheat (Bran, Pollard and broll)	39,540	100.00	-	-	39,540	5.35	36,400	8.63
Barley (Malt culms and brewers gra	2,261	100.00	-	-	2,261	0.31	2,812	-19.60
Feed production statistics for the ye	1,390	100.00	-	-	1,390	0.19	1,136	22.38
Others (Bread, biscuits, etc)	1,028	53.43	896	46.57	1,925	0.26	642	199.82
<b>North vs South production - 2021</b>	<b>44,219</b>	<b>98.01</b>	<b>896</b>	<b>1.99</b>	<b>45,115</b>	<b>6.11</b>	<b>40,990</b>	<b>10.07</b>
<b>Animal proteins</b>								
Meat and bone meal (non-poultry)	17,279	100.00	-	-	17,279	2.34	15,728	9.86
Bloodmeal (non-poultry)	600	100.00	-	-	600	0.08	683	-12.16
Fishmeal	834	100.00	-	-	834	0.11	786	6.17
Poultry by-product meal	-	#DIV/0!	-	#DIV/0!	-	-	-	-
Milkpowders	3,327	93.27	240	6.73	3,567	0.48	3,354	6.35
Others	-	#DIV/0!	-	#DIV/0!	-	-	-	-
<b>subtotal</b>	<b>22,040</b>	<b>98.92</b>	<b>240</b>	<b>1.08</b>	<b>22,280</b>	<b>3.02</b>	<b>20,551</b>	<b>8.41</b>
<b>Oils and Tallows</b>								
Vegetable oils (e.g. Soya, canola or	3,019	98.19	56	1.81	3,075	0.42	3,764	-18.30
Poultry fat	745	100.00	-	-	745	0.10	3,023	-75.34
Tallow used in non-ruminant feed	3,839	100.00	-	-	3,839	0.52	3,679	4.35
Tallow used in ruminant feed	-	-	-	#DIV/0!	-	-	-	-
<b>subtotal</b>	<b>7,603</b>	<b>99.27</b>	<b>56</b>	<b>0.73</b>	<b>7,659</b>	<b>1.04</b>	<b>10,465</b>	<b>-26.82</b>
<b>Plant proteins</b>								
Peas	65	100.00	-	-	65	0.01	100	-35.00
Soya meal	-	-	115,146	100.00	115,146	15.59	91,086	26.41
Copra	-	-	667	100.00	667	0.09	653	2.14
Palm kernel	-	-	16,346	100.00	16,346	2.21	14,039	16.43
Others	1,464	5.34	25,948	94.66	27,412	3.71	25,957	5.60
<b>subtotal</b>	<b>1,529</b>	<b>0.96</b>	<b>158,107</b>	<b>99.04</b>	<b>159,636</b>	<b>21.62</b>	<b>131,835</b>	<b>21.09</b>
<b>Roughages</b>								
Grass Hay	-	#DIV/0!	-	#DIV/0!	-	-	-	-
Lucerne/Alfalfa Hay	114	63.06	67	36.94	181	0.02	214	-15.46
Other	8	62.40	5	37.60	13	0.00	31	-58.34
<b>subtotal</b>	<b>122</b>	<b>63.02</b>	<b>72</b>	<b>36.98</b>	<b>194</b>	<b>0.03</b>	<b>245</b>	<b>-20.85</b>
<b>Others</b>								
Limestone	13,696	96.36	517	3.64	14,213	1.92	13,279	7.03
All other raw materials	23,797	68.78	10,802	31.22	34,599	4.69	71,564	-51.65
<b>subtotal</b>	<b>37,492</b>	<b>76.81</b>	<b>11,319</b>	<b>23.19</b>	<b>48,812</b>	<b>6.61</b>	<b>84,844</b>	<b>-42.47</b>
<b>TOTALS</b>	<b>184,297</b>		<b>554,178</b>		<b>738,475</b>		<b>682,400</b>	

Sources and types of raw materials used in feed production  
Feed production statistics for the year ending December 2022

	RAW MATERIAL USAGE SOUTH ISLAND MILLS							
	Domestic		Imported		Total use		Comp. Year 2021	
	T	%	T	%	T	%	T	% change
<b>Grains</b>								
Wheat	135,712	77.40	39,633	22.60	175,345	45.60	165,923	5.68
Barley	58,952	92.58	4,726	7.42	63,677	16.56	55,755	14.21
Oats	177	100.00	-	-	177	0.05	247	-28.11
Maize	1,529	91.79	137	8.21	1,666	0.43	12,043	-86.16
Sorghum	-	-	9,165	100.00	9,165	2.38	807	1035.43
Triticale	2,995	100.00	-	-	2,995	0.78	4,436	-32.48
Others	8	2.51	314	97.49	322	0.08	868	-62.91
<b>subtotal</b>	<b>199,373</b>	<b>78.70</b>	<b>53,974</b>	<b>21.30</b>	<b>253,348</b>	<b>65.88</b>	<b>240,080</b>	<b>5.53</b>
<b>Grain by-products</b>								
Wheat (Bran, Pollard and broll)	19,930	100.00	-	-	19,930	5.18	17,754	12.26
Barley (Malt culms and brewers grain)	525	100.00	-	-	525	0.14	436	20.54
Feed production statistics for the year	257	79.15	68	20.85	325	0.08	733	-55.69
Others (Bread, biscuits, etc)	-	-	282	100.00	282	0.07	168	67.45
<b>North vs South production - 2021</b>	<b>20,712</b>	<b>98.34</b>	<b>349</b>	<b>1.66</b>	<b>21,062</b>	<b>5.48</b>	<b>19,090</b>	<b>10.33</b>
<b>Animal proteins</b>								
Meat and bone meal (non-poultry)	10,843	95.66	492	4.34	11,335	2.95	10,397	9.02
Bloodmeal (non-poultry)	1,501	99.14	13	0.86	1,514	0.39	1,473	2.80
Fishmeal	1,613	97.57	40	2.43	1,653	0.43	1,639	0.81
Poultry by-product meal	-	-	-	-	-	-	-	-
Milkpowders	1,579	100.00	-	-	1,579	0.41	1,518	3.98
Others	43	100.00	-	-	43	0.01	67	-35.82
<b>subtotal</b>	<b>15,577</b>	<b>96.62</b>	<b>545</b>	<b>3.38</b>	<b>16,123</b>	<b>4.19</b>	<b>15,094</b>	<b>6.81</b>
<b>Oils and Tallows</b>								
Vegetable oils (e.g. Soya, canola or	2,248	96.45	83	3.55	2,331	0.61	2,059	13.21
Poultry fat	308	100.00	-	-	308	0.08	752	-59.00
Tallow used in non-ruminant feed	1,828	100.00	-	-	1,828	0.48	2,503	-26.95
Tallow used in ruminant feed	60	100.00	-	-	60	0.02	75	-20.00
<b>subtotal</b>	<b>4,445</b>	<b>98.17</b>	<b>83</b>	<b>1.83</b>	<b>4,528</b>	<b>1.18</b>	<b>5,389</b>	<b>-15.98</b>
<b>Plant proteins</b>								
Peas	1,883	100.00	-	-	1,883	0.49	1,751	7.54
Soya meal	-	-	42,998	100.00	42,998	11.18	42,367	1.49
Copra	-	-	67	100.00	67	0.02	162	-58.66
Palm kernel	-	-	6,953	100.00	6,953	1.81	6,332	9.80
Others	5,285	41.47	7,459	58.53	12,744	3.31	13,991	-8.91
<b>subtotal</b>	<b>7,168</b>	<b>11.09</b>	<b>57,477</b>	<b>88.91</b>	<b>64,645</b>	<b>16.81</b>	<b>64,604</b>	<b>0.06</b>
<b>Roughages</b>								
Grass Hay	-	#DIV/0!	-	#DIV/0!	-	-	-	-
Lucerne/Alfalfa Hay	34	39.38	53	60.62	87	0.02	83	4.30
Other	1,561	99.71	5	0.29	1,565	0.41	1,491	4.97
<b>subtotal</b>	<b>1,595</b>	<b>96.54</b>	<b>57</b>	<b>3.46</b>	<b>1,652</b>	<b>0.43</b>	<b>1,574</b>	<b>4.94</b>
<b>Others</b>								
Limestone	7,450	96.07	305	3.93	7,755	2.02	7,359	5.38
All other raw materials	9,435	61.14	5,996	38.86	15,431	4.01	13,804	11.79
<b>subtotal</b>	<b>16,885</b>	<b>72.82</b>	<b>6,301</b>	<b>27.18</b>	<b>23,186</b>	<b>6.03</b>	<b>21,163</b>	<b>9.56</b>
<b>TOTALS</b>	<b>265,756</b>		<b>118,786</b>		<b>384,542</b>		<b>366,994</b>	

Sources and types of raw materials used in feed production  
Feed production statistics for the year ending December 2022

Feed production statistics for	RAW MATERIAL USAGE AT NATIONAL LEVEL							
	Domestic		Imported		Total use		Comp. Year 2021	
	T	%	T	%	T	%	T	% change
<b>Grains</b>								
Wheat	144,777	29.27	349,927	70.73	494,703	44.05	387,291	27.73
Barley	78,977	76.14	24,754	23.86	103,731	9.24	116,202	-10.73
Oats	1,949	100.00	-	-	1,949	0.17	249	684.00
Maize	41,960	60.99	26,841	39.01	68,801	6.13	117,277	-41.33
Sorghum	-	-	35,413	100.00	35,413	3.15	5,552	537.87
Triticale	2,995	100.00	-	-	2,995	0.27	4,436	-32.48
Others	8	1.51	528	98.49	536	0.05	2,543	-78.92
<b>subtotal</b>	<b>270,665</b>	<b>38.22</b>	<b>437,462</b>	<b>61.78</b>	<b>708,128</b>	<b>63.06</b>	<b>633,550</b>	<b>11.77</b>
<b>Grain by-products</b>								
Wheat (Bran, Pollard and broll)	59,470	100.00	-	-	59,470	5.30	54,154	9.82
Barley (Malt culms and brewers gra	2,786	100.00	-	-	2,786	0.25	3,247	-14.22
Feed production statistics for the ye	1,647	96.05	68	3.95	1,715	0.15	1,869	-8.24
Others (Bread, biscuits, etc)	1,028	46.61	1,178	53.39	2,206	0.20	810	172.34
<b>North vs South production - 2021</b>	<b>64,932</b>	<b>98.12</b>	<b>1,246</b>	<b>1.88</b>	<b>66,177</b>	<b>5.89</b>	<b>60,080</b>	<b>10.15</b>
<b>Animal proteins</b>								
Meat and bone meal (non-poultry)	28,122	98.28	492	1.72	28,614	2.55	26,125	9.52
Bloodmeal (non-poultry)	2,101	99.38	13	0.62	2,114	0.19	2,155	-1.94
Fishmeal	2,447	98.39	40	1.61	2,487	0.22	2,425	2.55
Poultry by-product meal	-	#DIV/0!	-	#DIV/0!	-	-	-	-
Milkpowders	4,905	95.34	240	4.66	5,145	0.46	4,872	5.61
Others	43	100.00	-	-	43	0.00	67	-35.82
<b>subtotal</b>	<b>37,617</b>	<b>97.96</b>	<b>785</b>	<b>2.04</b>	<b>38,403</b>	<b>3.42</b>	<b>35,645</b>	<b>7.74</b>
<b>Oils and Tallows</b>								
Vegetable oils (e.g. Soya, canola or	5,267	97.44	139	2.56	5,406	0.48	5,823	-7.16
Poultry fat	1,054	100.00	-	-	1,054	0.09	3,775	-72.09
Tallow used in non-ruminant feed	5,667	100.00	-	-	5,667	0.50	6,181	-8.32
Tallow used in ruminant feed	60	100.00	-	-	60	0.01	75	-20.00
<b>subtotal</b>	<b>12,048</b>	<b>98.86</b>	<b>139</b>	<b>1.14</b>	<b>12,186</b>	<b>1.09</b>	<b>15,854</b>	<b>-23.13</b>
<b>Plant proteins</b>								
Peas	1,948	100.00	-	-	1,948	0.17	1,851	5.24
Soya meal	-	-	158,144	100.00	158,144	14.08	133,453	18.50
Copra	-	-	734	100.00	734	0.07	815	-9.95
Palm kernel	-	-	23,299	100.00	23,299	2.07	20,371	14.37
Others	6,749	16.81	33,407	83.19	40,156	3.58	39,949	0.52
<b>subtotal</b>	<b>8,697</b>	<b>3.88</b>	<b>215,584</b>	<b>96.12</b>	<b>224,281</b>	<b>19.97</b>	<b>196,439</b>	<b>14.17</b>
<b>Roughages</b>								
Grass Hay	-	#DIV/0!	-	#DIV/0!	-	-	-	-
Lucerne/Alfalfa Hay	148	55.39	119	44.61	268	0.02	297	-9.93
Other	1,569	99.40	9	0.60	1,578	0.14	1,522	3.69
<b>subtotal</b>	<b>1,717</b>	<b>93.02</b>	<b>129</b>	<b>6.98</b>	<b>1,846</b>	<b>0.16</b>	<b>1,819</b>	<b>1.47</b>
<b>Others</b>								
Limestone	21,146	96.26	822	3.74	21,968	1.96	20,639	6.44
All other raw materials	33,232	66.42	16,799	33.58	50,030	4.45	85,368	-41.39
<b>subtotal</b>	<b>54,377</b>	<b>75.53</b>	<b>17,621</b>	<b>24.47</b>	<b>71,998</b>	<b>6.41</b>	<b>106,007</b>	<b>-32.08</b>
<b>TOTALS</b>	<b>450,054</b>		<b>672,964</b>		<b>1,123,018</b>		<b>1,049,394</b>	

**NZFMA Raw Material Usage Graphics**

**Feed production statistics for the year ending December 2022**

**Usage of raw material categories in New Zealand - 2022**

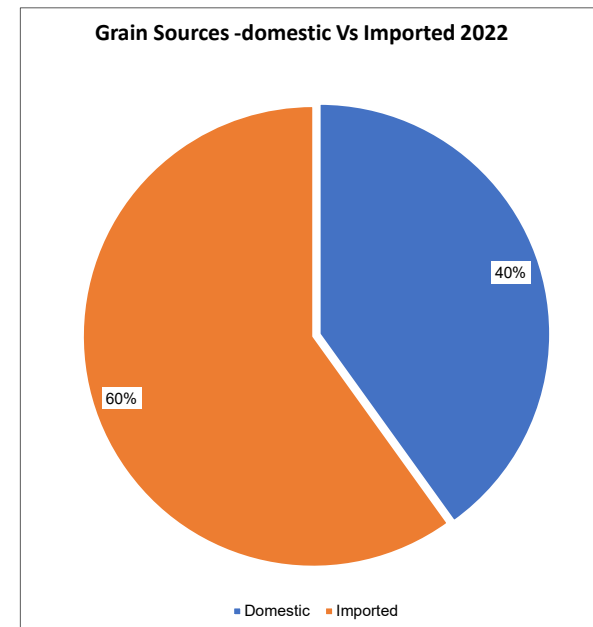
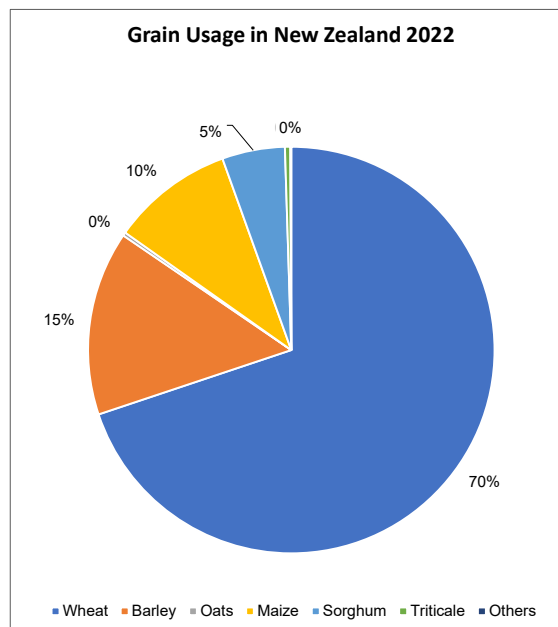
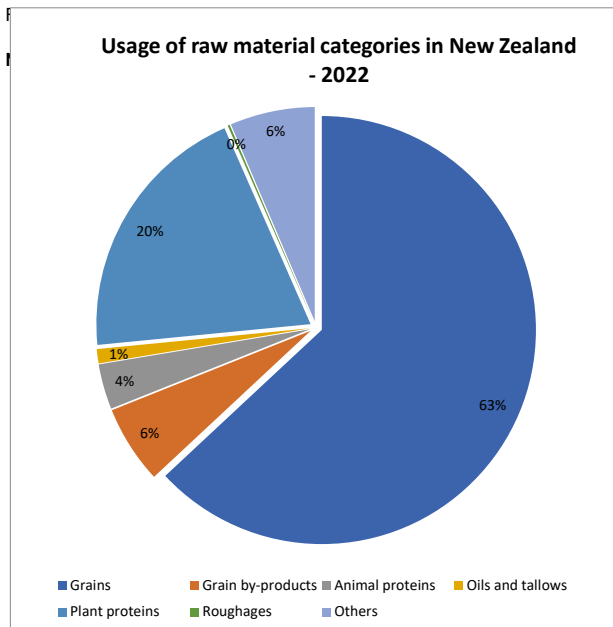
	Tonnage	% of Total
Grains	708,128	63%
Grain by-products	66,177	6%
Animal proteins	38,403	3%
Oils and tallows	12,186	1%
Plant proteins	224,281	20%
Roughages	1,846	0%
Others	71,998	6%
<b>Total</b>	<b>1,123,018</b>	

**Grain Usage in New Zealand 2022**

	Tonnage	% of Total	Year 2020
Wheat	494,703	70%	
Barley	103,731	15%	
Oats	1,949	0%	
Maize	68,801	10%	
Sorghum	35,413	5%	
Triticale	2,995	0%	
Others	536	0%	
<b>Total</b>	<b>708,128</b>	<b>100%</b>	

**Grain Sources -Domestic Vs Imported 2022**

	Tonnage	% of Total
Domestic	450,054	40%
Imported	672,964	60%
<b>Total</b>	<b>1,123,018</b>	<b>100%</b>





Grain Usage in the North Island 2022

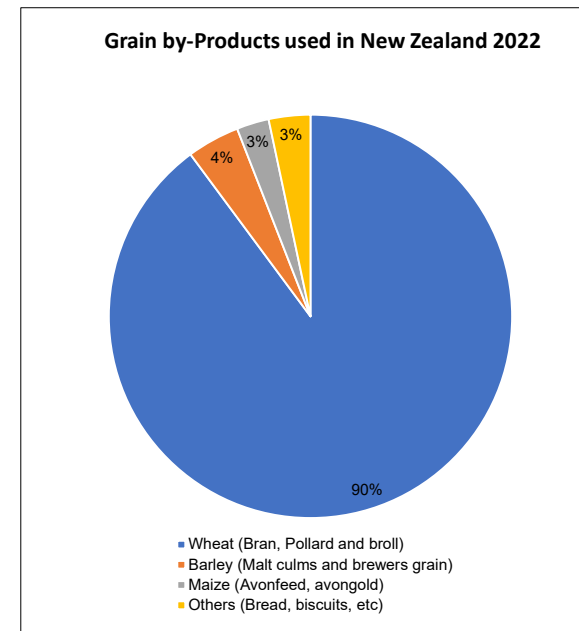
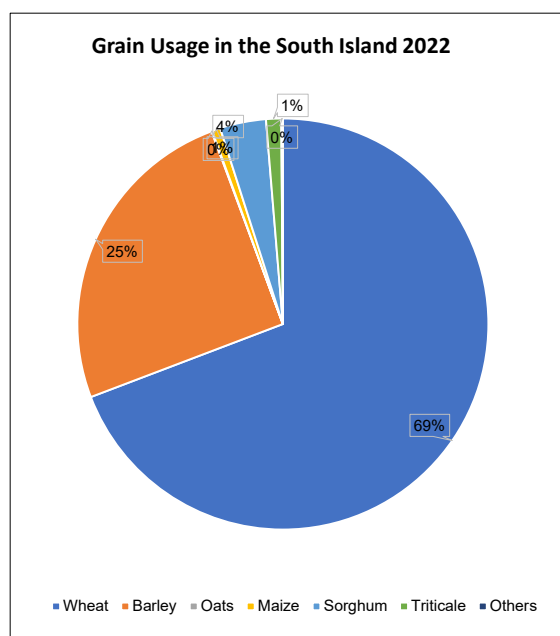
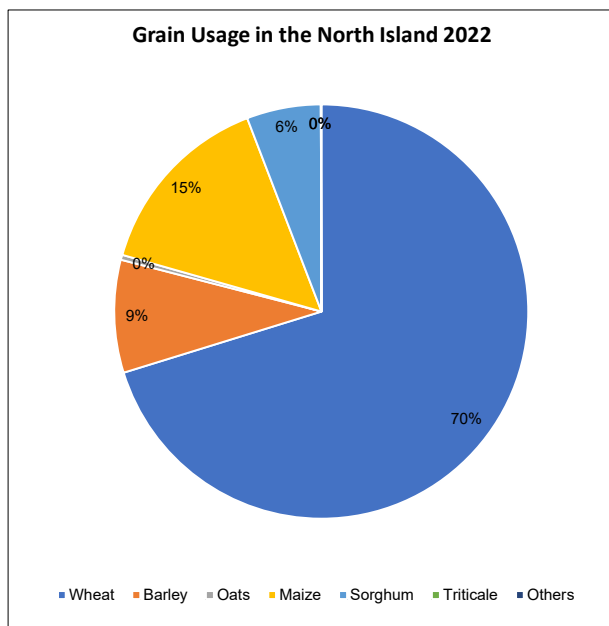
	Tonnage	% of Total
Wheat	319,357	70%
Barley	40,053	9%
Oats	1,772	0%
Maize	67,135	15%
Sorghum	26,248	6%
Triticale	-	0%
Others	214	0%
<b>Total</b>	<b>454,780</b>	<b>100%</b>

Grain Usage in the South Island 2022

	Tonnage	% of Total
Wheat	175,345	69%
Barley	63,677	25%
Oats	177	0%
Maize	1,666	1%
Sorghum	9,165	4%
Triticale	2,995	1%
Others	322	0%
<b>Total</b>	<b>253,348</b>	<b>100%</b>

Grain by-products used in New Zealand 2022

	Tonnage	% of Total
Wheat (Bran, Pollard and broll)	59,470	90%
Barley (Malt culms and brewers grain)	2,786	4%
Maize (Avonfeed, avongold)	1,715	3%
Others (Bread, biscuits, etc)	2,206	3%
<b>Total</b>	<b>66,177</b>	<b>100%</b>

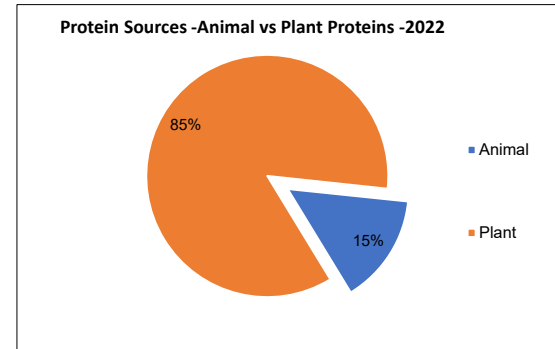


**Protein usage in New Zealand 2022**

	Tonnage	% of Total
Meat and bone meal (non-poultry)	28,614	11%
Bloodmeal (non-poultry)	2,114	1%
Fishmeal	2,487	1%
Poultry by-product meal	-	0%
Milkpowders	5,145	2%
Other animal proteins	43	0%
Peas	1,948	1%
Soya meal	158,144	60%
Copra	734	0%
Palm kernel	23,299	9%
Other plant proteins	40,156	15%
<b>Total</b>	<b>262,683</b>	<b>100%</b>

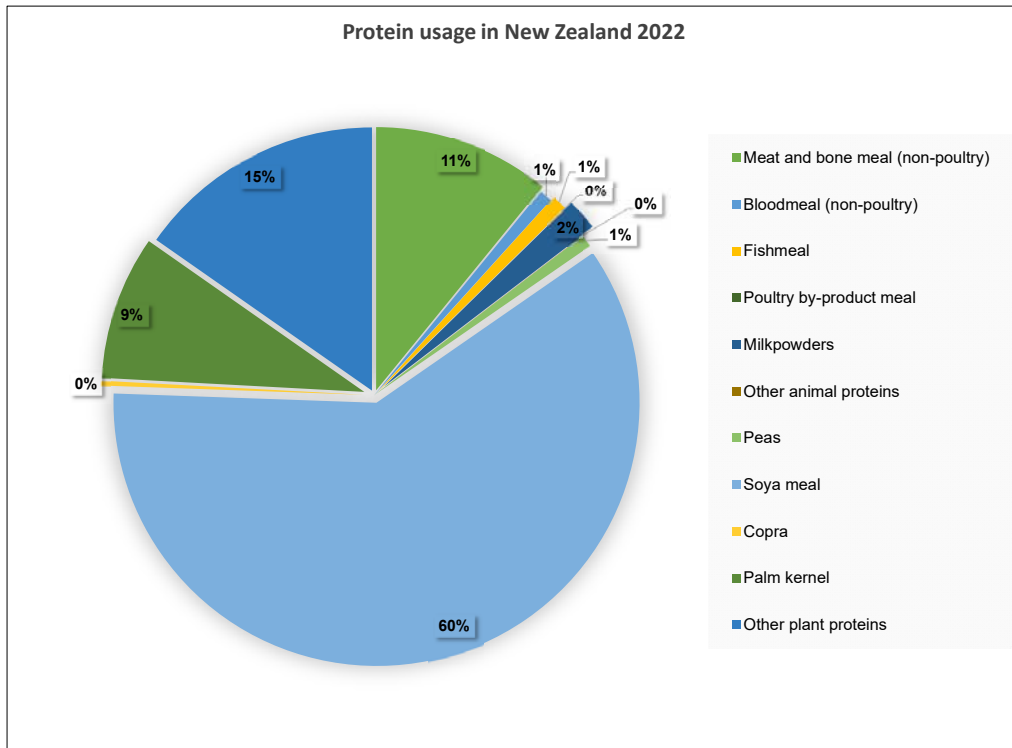
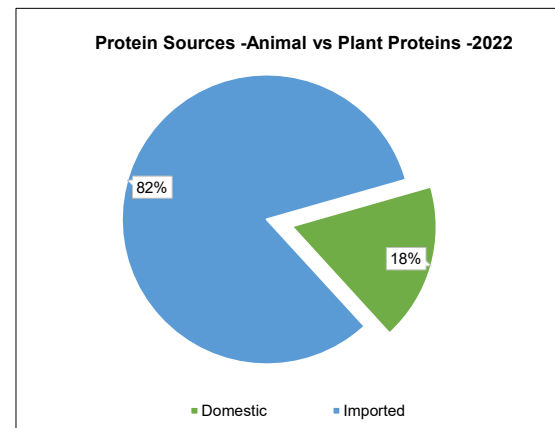
**Protein Sources -Animal vs Plant Proteins -2022**

	Tonnage	% of Total
Animal	38,403	15%
Plant	224,281	85%
<b>Total</b>	<b>262,683</b>	<b>100%</b>



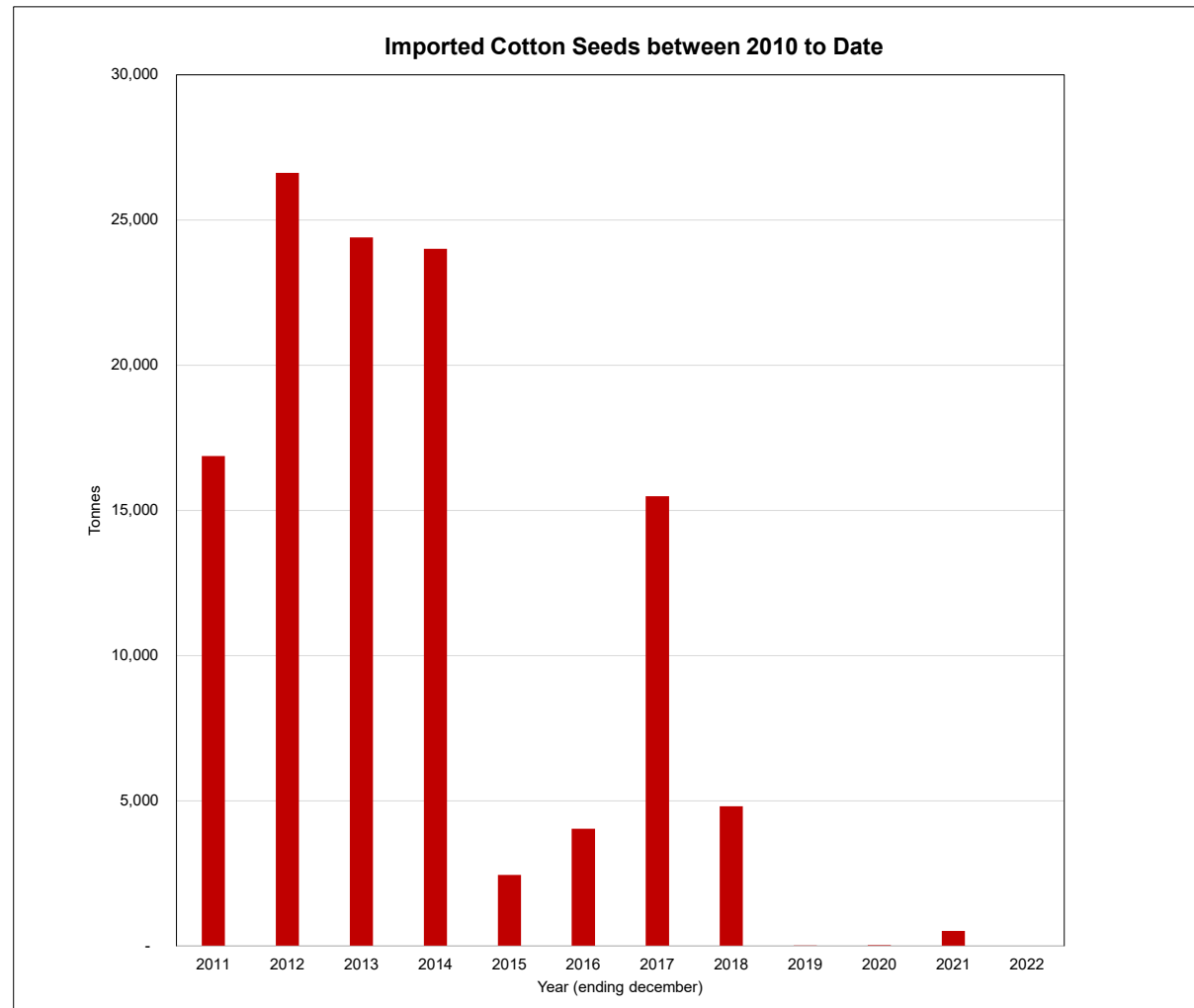
**Protein Sources -Domestic vs Imported -2022**

	Tonnage	% of Total
Domestic	46,314.58	18%
Imported	216,368.64	82%
<b>Total</b>	<b>262,683.23</b>	<b>100%</b>



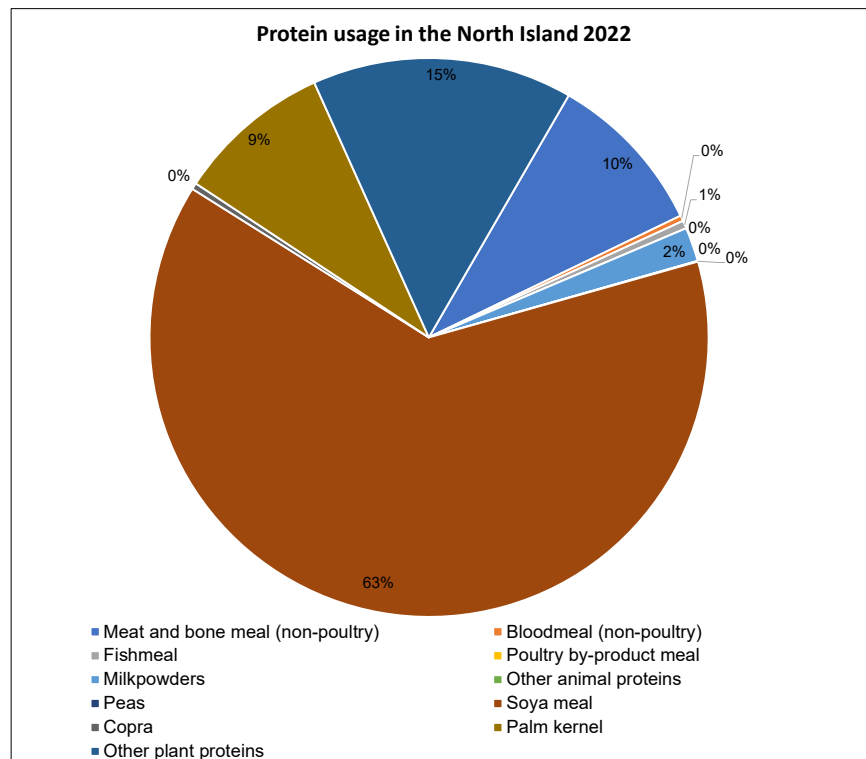
Imported Cotton Seeds between 2010 to Date

Year	Tonnage	% Δ
2011	16,881	397%
2012	26,626	58%
2013	24,404	-8%
2014	24,015	-2%
2015	2,452	-90%
2016	4,049	65%
2017	15,498	283%
2018	4,822	-69%
2019	15	-100%
2020	24	56%
2021	517	2054%
2022	-	-100%



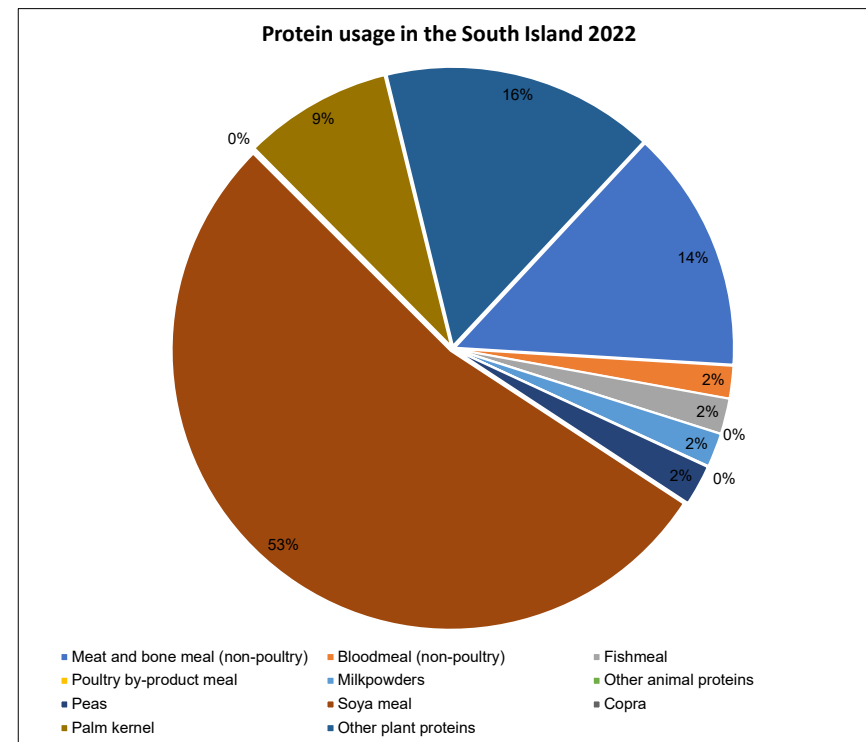
**Protein usage in the North Island 2022**

	Tonnage	% of Total
Meat and bone meal (non-poultry)	17,279	9%
Bloodmeal (non-poultry)	600	0%
Fishmeal	834	0%
Poultry by-product meal	-	0%
Milkpowders	3,567	2%
Other animal proteins	-	0%
Peas	65	0%
Soya meal	115,146	63%
Copra	667	0%
Palm kernel	16,346	9%
Other plant proteins	27,412	15%
<b>Total</b>	<b>181,916</b>	<b>100%</b>



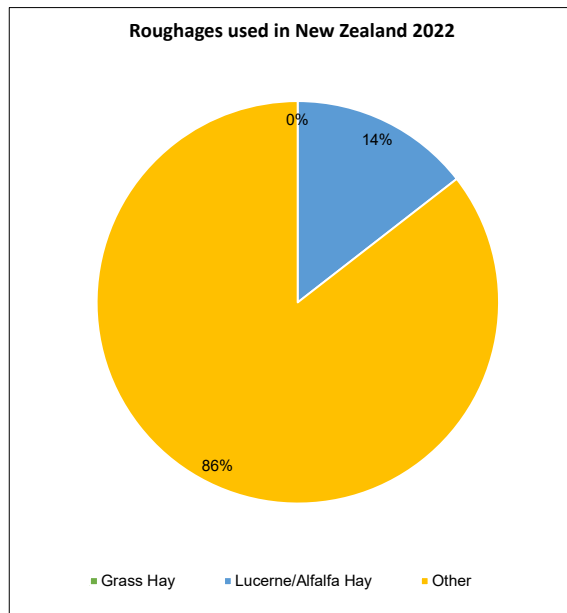
**Protein usage on the South Island 2022**

	Tonnage	% of Total
Meat and bone meal (non-poultry)	11,335	14%
Bloodmeal (non-poultry)	1,514	2%
Fishmeal	1,653	2%
Poultry by-product meal	-	0%
Milkpowders	1,579	2%
Other animal proteins	43	0%
Peas	1,883	2%
Soya meal	42,998	53%
Copra	67	0%
Palm kernel	6,953	9%
Other plant proteins	12,744	16%
<b>Total</b>	<b>80,767</b>	<b>100%</b>



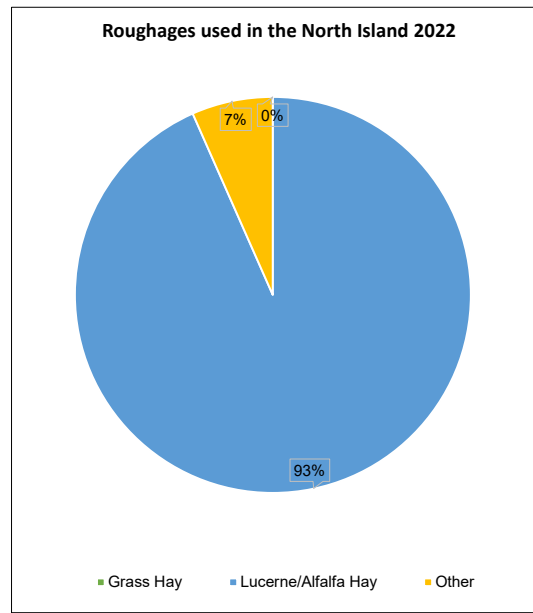
**Roughages used in New Zealand 2022**

	Tonnage	% of Total
Grass Hay	-	0%
Lucerne/Alfalfa Hay	268	14%
Other	1,578	86%
<b>Total</b>	<b>1,846</b>	<b>100%</b>



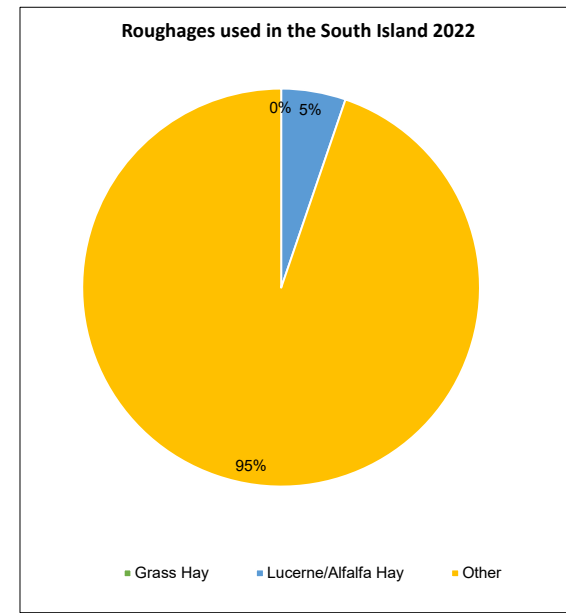
**Roughages used in the North Island 2022**

	Tonnage	% of Total
Grass Hay	-	0%
Lucerne/Alfalfa H	181	93%
Other	13	7%
<b>Total</b>	<b>194</b>	<b>100%</b>



**Roughages used in the South Island 2022**

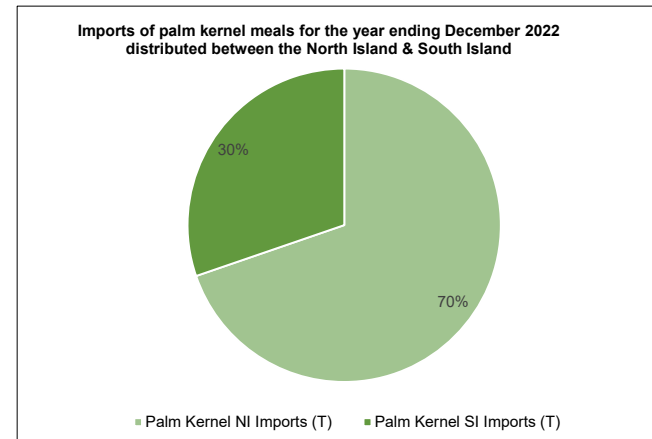
	Tonnage	% of Total
Grass Hay	-	0%
Lucerne/Alfalfa H	87	5%
Other	1,565	95%
<b>Total</b>	<b>1,652</b>	<b>100%</b>



**Imports of palm kernel and copra meals for the year ending December 2022**

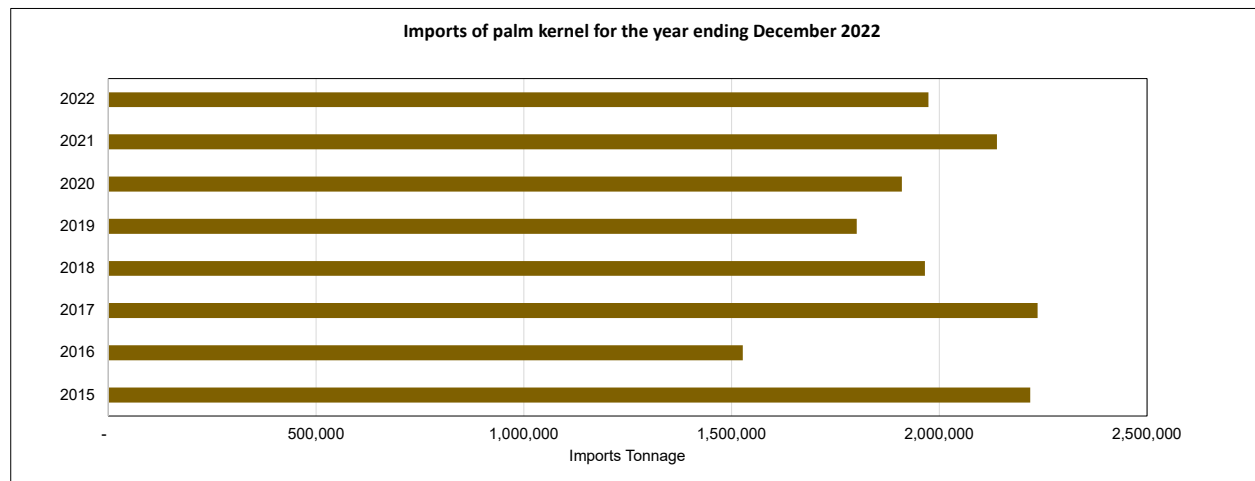
	Year ending December 2022	Year ending December 2021	% change
<b>n Kernel &amp; Copra Imports:</b>			
Total Copra Imports (T)	30	-	#DIV/0!
Total Palm Kernel Imports (T)	1,973,749	2,139,286	-7.74%

Copra NI Imports (T)	20	-	#DIV/0!
Copra SI Imports (T)	10	-	#DIV/0!
Palm Kernel NI Imports (T)	1,376,157	1,547,371	-11.06%
Palm Kernel SI Imports (T)	597,592	591,915	0.96%



	2015	2016	2017	2018	2019	2020	2021	2022
<b>Total Copra Imports (T)</b>	543	47	42	22	1,156	773	-	30
<b>Total Palm Kernel Imports (T)</b>	2,219,282	1,526,966	2,236,999	1,965,352	1,801,418	1,910,258	2,139,286	1,973,749

Copra NI Imports (T)	504	27	3	0	789	538	-	20
Copra SI Imports (T)	38	20	39	22	366	235	-	10
Palm Kernel NI Imports (T)	1,549,359	1,206,330	1,763,284	1,520,431	1,354,379	1,417,628	1,547,371	1,376,157
Palm Kernel SI Imports (T)	669,923	320,637	473,715	444,921	447,039	492,630	591,915	597,592

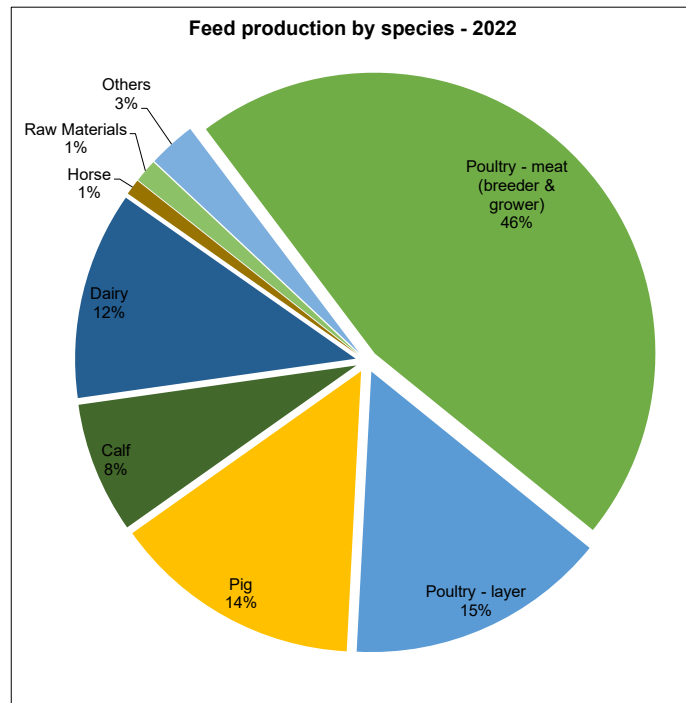


**NZFMA Compound Feed Production Statistics**  
**Feed production statistics for the year ending December 2022**

	North Island		South Island		Total Tonnage	% of Total	Comparison Year 2021	% Δ
	Bulk	Bagged	Bulk	Bagged				
<b>Poultry - Meat &amp; Breeding</b>								
Poultrymeat - Grower Feeds (chk,tur,dck)	382,223	1,899	84,519	2,619	471,260	42%	463,120	2%
Poultrymeat - all Breeder Flocks	40,620	1	8,521	0	49,142	4%	50,793	-3%
<b>Poultry - Layer</b>								
Layer Flocks incl Rearing & Breeders	95,494	26,027	41,894	6,005	169,420	15%	173,296	-2%
<b>Pig</b>								
Grower & General Feeds	23,394	5,548	109,044	753	138,739	12%	128,763	8%
Breeder Feeds	6,632	741	16,243	-	23,616	2%	25,317	-7%
<b>Calf</b>								
Milk replacers	542	3,367	-	-	3,909	0%	2,703	45%
Meals, Pellets, Crumbles etc	9,072	33,828	2,167	28,573	73,639	7%	73,114	1%
Textured Feeds	1,036	4,834	2	1,842	7,713	1%	8,303	-7%
<b>Ruminant</b>								
Dairy	74,647	2,289	53,287	4,838	135,061	12%	122,628	10%
Beef, Sheep, Deer, Goat	9,987	1,926	7,745	4,949	24,607	2%	22,288	10%
<b>Horse</b>								
Meals, Pellets, Crumbles etc	217	337	1,814	3,234	5,602	0%	5,864	-4%
Textured Feeds	-	876	-	3,898	4,774	0%	5,301	-10%
<b>Others</b>								
Aquaculture	-	12	-	-	12	0%	19	-37%
Dog	-	-	-	-	-	0%	-	#DIV/0!
Rabbits, Small Animals	21	539	-	373	932	0%	935	0%
Emu/Ostrich	-	6	-	-	6	0%	8	-25%
Other	5,021	51	-	330	5,401	0%	4,598	17%
<b>Raw Materials</b>								
Grain & Grain Mixtures	4,121	1,595	2,962	4,290	12,968	1%	14,395	-10%
All Other Raw Materials	1,590	50	461	40	2,141	0%	1,687	27%
Unblended Milk Powders for Sale	-	28	-	-	28	0%	32	-13%
<b>SUB TOTAL</b>	<b>654,616</b>	<b>83,952</b>	<b>328,659</b>	<b>61,744</b>	<b>1,128,971</b>	<b>100%</b>	<b>1,103,164</b>	
<b>TOTAL PER ISLAND</b>		<b>738,568</b>		<b>390,403</b>				

**NZFMA Feed Production Graphs**

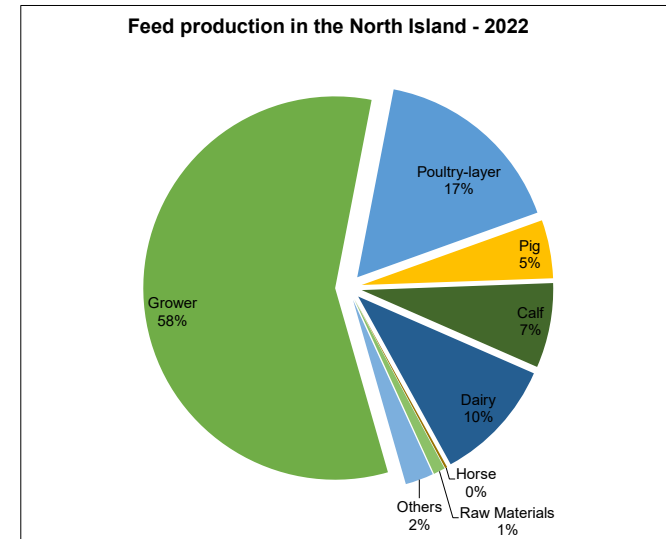
Feed production statistics for the year ending December 2022



Feed category	Tonnes	%
Poultry - meat (breeder & grower)	520,402	46%
Poultry - layer	169,420	15%
Pig	162,355	14%
Calf	85,262	8%
Dairy	135,061	12%
Horse	10,376	1%
Raw Materials	15,137	1%
Others	30,959	3%
Totals	1,128,971	100%

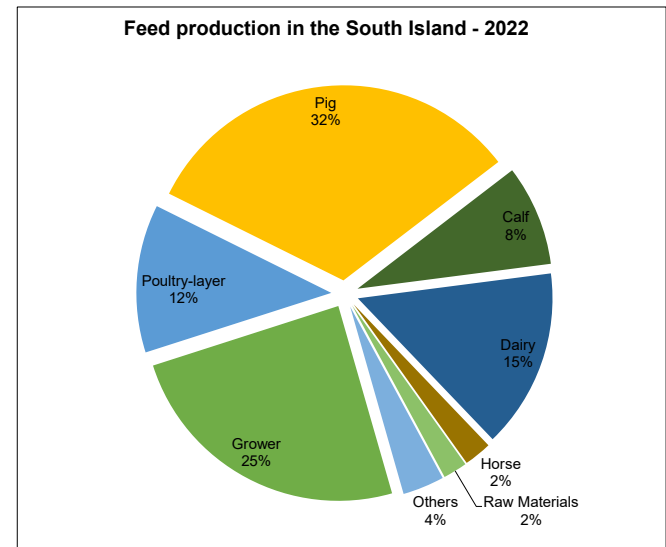
**Feed production in the North Island -2022**

Feed Category	Tonnes	%
Grower	424,744	58%
Poultry-layer	121,521	16%
Pig	36,315	5%
Calf	52,678	7%
Dairy	76,936	10%
Horse	1,429	0%
Raw Materials	7,383	1%
Others	17,562	2%
Totals	738,568	100%



**Feed production in the South Island -2022**

Feed Category	Tonnes	%
Grower	95,658	25%
Poultry-layer	47,899	12%
Pig	126,040	32%
Calf	32,584	8%
Dairy	58,125	15%
Horse	8,947	2%
Raw Materials	7,753	2%
Others	13,397	3%
Totals	390,403	100%





Summary of Historical Production Data

Feed production statistics for the year ending December 2022

	Dec-10	Dec-11	Dec-12	Dec-13	Dec-14	Dec-15	Dec-16	Dec-17	Dec-18	Dec-19	Dec-20	Dec-21	Dec-22
<b>Poultry - Meat &amp; Breeding</b>													
Poultrymeat - Grower Feeds	341,107	370,737	388,959	372,892	387,271	421,501	433,122	450,204	471,646	467,301	455,746	463,120	471,260
Poultrymeat - all Breeder Flocks	41,858	30,333	15,537	32,869	47,898	52,810	49,987	50,639	48,088			0.00	49,142
<b>Poultry - Layer</b>													
Layer Flocks incl Rearing & Breeders	143,505	140,315	136,574	132,986	149,725	159,496	167,413	169,162	169,559	179944.00	167859.36	173295.73	169,420
<b>Pig</b>													
Grower & General Feeds	132,022	140,514	137,156	123,851	118,501	113,163	119,588	127,670	123,226	120539.00	125716.71	128763.07	138,739
Breeder Feeds	36,671	39,632	36,786	24,918	23,899	23,118	26,631	24,173	24,720	23956.00	24523.59	25317.18	23,616
<b>Calf</b>													
Milk replacers	383	1,403	15,432	16,129	7,432	12,958	1,864	2,507	2,745	3061.00	2673.00	2703.00	3,909
Meals, Pellets, Crumbles etc	35,631	48,595	48,882	55,313	74,201	56,128	66,551	79,644	78,090	76720.00	70885.64	73113.62	73,639
Textured Feeds	726	776	6,004	4,642	1,760	6,914	10,680	11,923	10,588	9320.00	7649.08	8302.74	7,713
<b>Ruminant</b>													
Dairy	92,142	117,073	134,444	171,259	216,065	107,668	120,000	171,774	156,197	119614.00	123294.92	122628.42	135,061
Beef, Sheep, Deer, Goat	4,939	4,026	5,970	12,485	9,971	15,428	13,268	10,713	11,796	12115.00	21165.07	22288.26	24,607
<b>Horse</b>													
Meals, Pellets, Crumbles etc	2,506	3,053	4,685	3,745	2,720	2,921	294	357	1,365	1422.00	1890.76	5864.33	5,602
Textured Feeds	4,917	5,474	4,475	4,930	8,458	7,363	6,012	7,892	8,115	10951.00	11725.33	5301.18	4,774
<b>Others</b>													
Aquaculture	-	1,989	942	1,058	288	85	3	4	10	13.00	10.00	19.00	12
Dog	2,463	2,295	2,752	2,017	2,677	1,758	2,233	2,423	2,060	1826.00	327.00	0.00	-
Rabbits, Small Animals	797	1,089	989	996	827	1,112	1,105	1,219	990	975.00	923.76	935.42	932
Emu/Ostrich	48	74	27	12	4	-	3	6	11	34.00	11.00	8.00	6
Other	1,490	2,961	2,365	1,474	1,695	1,600	3,632	646	1,557	1937.00	370.60	4597.77	5,401
<b>Raw Materials</b>													
Grain & Grain Mixtures	10,139	9,101	18,390	19,300	12,190	12,188	9,287	5,685	9,671	6024.00	8629.57	14394.68	12,968
All Other Raw Materials	1,768	2,449	3,665	9,920	12,558	23,059	13,398	11,166	6,247	2394.50	3558.66	1686.78	2,141
Unblended Milk Powders for Sale	-	-	-	231	-	-	-	-	-	-	-	31.50	28
<b>TOTAL</b>	<b>853,111</b>	<b>921,889</b>	<b>964,035</b>	<b>991,027</b>	<b>1,078,141</b>	<b>1,019,269</b>	<b>1,045,071</b>	<b>1,127,806</b>	<b>1,126,679</b>	<b>1,092,157</b>	<b>1,080,059</b>	<b>1,103,164</b>	<b>1,128,971</b>
% change compared to previous year	9.39%	8.06%	4.57%	2.80%	8.79%	-5.46%	2.53%	7.92%	-0.10%	-3.06%	-1.11%	2.14%	2.34%