

NZFMA Compound Feed Production Statistics: 2011

Compound feed production statistics for the year ending December 2011

	North Island		South Island		Total		Comparison	
	Bulk	Bagged	Bulk	Bagged	Tonnage	% of Total	Total Production in 2010	% Change
TOTAL BULK	544,163		282,144					
TOTAL BAGGED		63,645		31,938	921,890	100.0	853,111	8.1
TOTAL PER ISLAND	607,808		314,082					

Summary of Historical Production Data

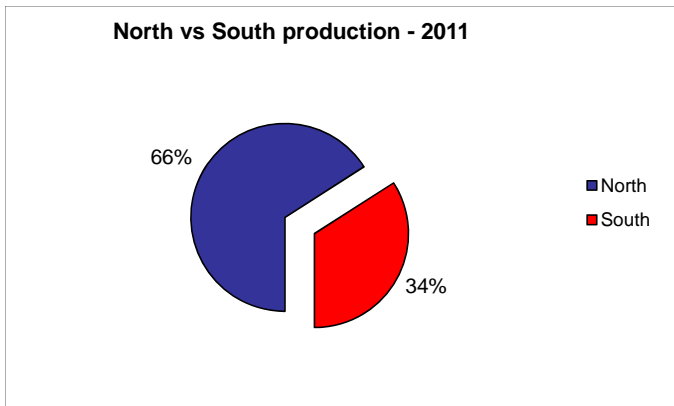
	Dec 00	Dec 01	Dec 02	Dec 03	Dec 04	Dec 05	Dec 06	Dec 07	Dec 08	Dec 09	Dec 10
TOTAL	728 996	780 060	810 418	794 878	848 446	850 534	829 424	877 032	965 465	779 881	853 111
% change from same quarter previous year		7.0	3.9	-1.9	6.7	0.2	-2.5	5.7	10.1	-19.2	9.4

NZFMA Compound Feed Production Graphs: 2011

Compound feed production statistics for the year ending December 2010

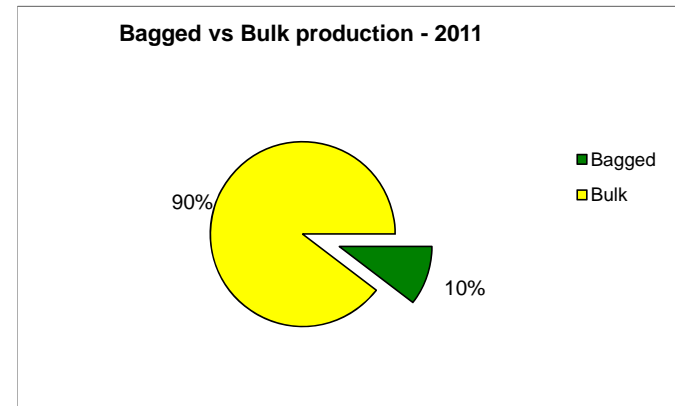
North vs South production - 2011

	Tonnes	%
North	607,808	65.9
South	314,082	34.1



Bagged vs Bulk production - 2011

	Tonnes	%
Bagged	95,582	10.4
Bulk	826,307	89.6



Sources and types of raw materials used in compound feed production
Raw material usage statistics for the year ending December 2011

	RAW MATERIAL USAGE NORTH ISLAND MILLS									
	NI		SI		Imported		Total use		Comparison 2010	
	T	%	T	%	T	%	T	%	Total use in 2010	% change
Grains										
Wheat	18,316	9	9,093	4.3	182,915	87.0	210,323	38.1	163,441	28.7
Barley	21,300	57	2,459	6.6	13,528	36.3	37,288	6.8	50,322	-25.9
Oats	250	100					250	0.0	163	53.5
Maize	51,893	100					51,893	9.4	94,743	-45.2
Sorghum					43,223	100.0	43,223	7.8	43,660	-1.0
Triticale									2,264	-100.0
Others									17,073	-100.0
<i>subtotal</i>	<i>91,760</i>	<i>48</i>	<i>11,552</i>	<i>93.2</i>	<i>239,666</i>	<i>69.0</i>	<i>342,978</i>	<i>62.1</i>	<i>371,667</i>	<i>-7.7</i>
Grain by-products										
Wheat (Bran, Pollard and broll)	21,823	96			945	4.2	22,768	4.1	28,239	-19.4
Barley (Malt culms and brewers grain)										
Maize (Avonfeed, avongold)	2,943	100					2,943	0.5	6,260	-53.0
Others (Bread, biscuits, etc)									1,482	-100.0
<i>subtotal</i>	<i>24,765</i>	<i>13</i>			<i>945</i>	<i>0.3</i>	<i>25,710</i>	<i>4.7</i>	<i>35,981</i>	<i>-28.5</i>
Animal proteins										
Meat and bone meal (non-poultry)	30,861	100					30,861	5.6	33,377	-7.5
Bloodmeal (non-poultry)	3,642	100					3,642	0.7	3,947	-7.7
Fishmeal	18	2			1,073	98.4	1,091	0.2	1,408	-22.5
Poultry by-product meal	98	100					98	0.0	1,252	-92.2
Milkpowders	2,022	71	846	29.5			2,868	0.5	3,261	-12.0
Others	89	26			249	73.7	338	0.1	145	132.7
<i>subtotal</i>	<i>36,730</i>	<i>19</i>	<i>846</i>	<i>6.8</i>	<i>1,322</i>	<i>0.4</i>	<i>38,898</i>	<i>7.0</i>	<i>43,390</i>	<i>-10.4</i>
Oils and Tallows										
Vegetable oils (e.g. Soya, canola or sunflow)	429	37			717	62.6	1,146	0.2	3,437	-66.6
Poultry fat	2,624	100					2,624	0.5	2,109	24.5
Tallow used in non-ruminant feed	1,308	79			355	21.3	1,663	0.3	3,075	-45.9
Tallow used in ruminant feed									2	-100.0
<i>subtotal</i>	<i>4,362</i>	<i>2</i>			<i>1,072</i>	<i>0.3</i>	<i>5,434</i>	<i>1.0</i>	<i>8,622</i>	<i>-37.0</i>
Plant proteins										
Peas	159	100					159	0.0	213	-25.5
Soya meal					78,036	100.0	78,036	14.1	80,442	-3.0
Copra					3,773	100.0	3,773	0.7	4,346	-13.2
Palm kernel					18,709	100.0	18,709	3.4	27,902	-32.9
Others	3,055	93			223	6.8	3,278	0.6	583	462.4
<i>subtotal</i>	<i>3,214</i>	<i>2</i>			<i>100,741</i>	<i>29.0</i>	<i>103,955</i>	<i>18.8</i>	<i>113,486</i>	<i>-8.4</i>
Roughages										
Grass Hay										
Lucerne/Alfalfa Hay	298	99			2	0.7	300	0.1	411	-27.1
Other									21	-100.0
<i>subtotal</i>	<i>298</i>	<i>0</i>			<i>2</i>	<i>0.0</i>	<i>300</i>	<i>0.1</i>	<i>432</i>	<i>-30.6</i>
Others										
Limestone	12,187	100					12,187	2.2	12,929	-5.7
All other raw materials	18,858	84		6.1	3,637	16.2	22,495	4.1	25,928	-13.2
<i>subtotal</i>	<i>34,588</i>	<i>13</i>			<i>3,637</i>	<i>1.0</i>	<i>34,682</i>	<i>6.3</i>	<i>38,857</i>	<i>-10.7</i>
TOTAL DOMESTIC										
TOTAL IMPORTED			208,114		347,385		551,957		551,560	0.1

Sources and types of raw materials used in compound feed production
Raw material usage statistics for the year ending December 2011

	RAW MATERIAL USAGE SOUTH ISLAND MILLS									
	NI		SI		Imported		Total use		Comparison 2010	
	T	%	T	%	T	%	T	%	Total use in 2010	% change
Grains										
Wheat	4531	3	112243	75	32033	22	148807	27	107895	38
Barley	667	1	74187	96	2141	3	76995	14	64309	20
Oats	122	29	299	71			421	0	469	-10
Maize	9311	100					9311	2	532	1,650
Sorghum					506	100	506	0	1537	-67
Triticale			3910	100			3910	1	5477	-29
Others					51	100	51	0	5	920
<i>subtotal</i>	14631	47	190639	80	34731	43	240002	69	180224	33
Grain by-products										
Wheat (Bran, Pollard and broil)	7183	58	5177	42			12360	2	5151	140
Barley (Malt culms and brewers grain)	246	66	128	34			374	0		
Maize (Avonfeed, avongold)	245	100					245	0	4	6,026
Others (Bread, biscuits, etc)			63	100			63	0	38	64
<i>subtotal</i>	7674	25	5367	2			13042	4	5193	151
Animal proteins										
Meat and bone meal (non-poultry)	1001	6	15369	94			16371	3	14401	14
Bloodmeal (non-poultry)	65	2	3462	98			3527	1	3282	7
Fishmeal			342	10	2940	90	3282	1	3103	6
Poultry by-product meal	70	10	615	90			685	0	1703	-60
Milkpowders	160	6	2311	94			2472	0	2194	13
Others									2	-100
<i>subtotal</i>	1296	4	22099	9	2940	4	26336	8	24684	7
Oils and Tallows										
Vegetable oils (e.g. Soya, canola or sunflow)	41	7	399	72	114	21	553	0	352	57
Poultry fat			773	100			773	0	689	12
Tallow used in non-ruminant feed	159	5	1818	62	953	33	2930	1	2864	2
Tallow used in ruminant feed			3	100			3	0	3	-26
<i>subtotal</i>	200	1	2992	1	1067	1	4259	1	3909	9
Plant proteins										
Peas			2242	100			2242	0	1996	12
Soya meal					24554	100	24554	4	21469	14
Copra					781	100	781	0	529	48
Palm kernel					10743	100	10743	2	8710	23
Others	565	9	2082	31	3990	60	6636	1	3259	104
<i>subtotal</i>	565	2	4323	2	40068	49	44956	13	35963	25
Roughages										
Grass Hay			555	100			555	0	654	-15
Lucerne/Alfalfa Hay	44	23	145	77			189	0	403	-53
Other			11	100			11	0	443	-98
<i>subtotal</i>	44	0	710	0			754	0	1500	-50
Others										
Limestone	3113	45	3707	54	88	1	6907	1	3797	82
All other raw materials	3316	25	7146	54	2672	20	13134	2	6874	91
<i>subtotal</i>	6429	21	10853	5	2760	3	20042	6	10671	88
TOTAL DOMESTIC			267,825				349,390		262,143	33.3
TOTAL IMPORTED					81,566					

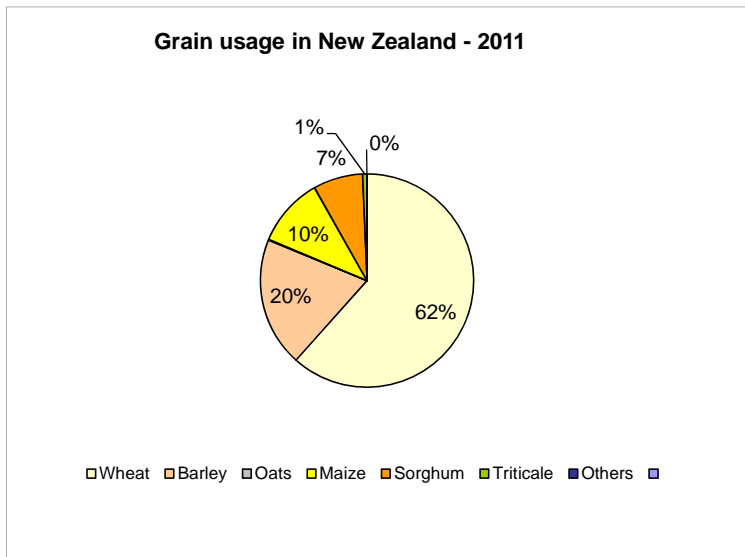
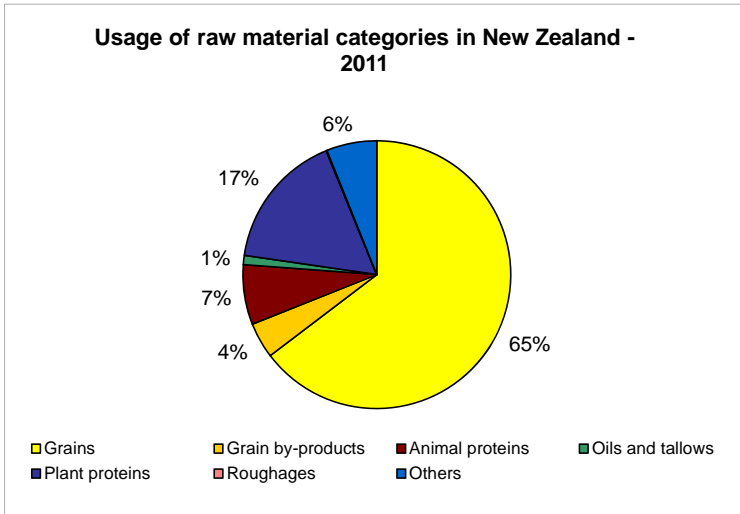
Sources and types of raw materials used in compound feed production
Raw material usage statistics for the year ending December 2011

	Domestic		Imported		Total: Year ending December 2011		Comparison 2010	
	T	%	T	%	Tonnage	% of total	Total use in 2010	% change
Grains								
Wheat	144183	40	214948	59.9	359131	39.8	271336	32.4
Barley	98613	86	15669	13.7	114282	12.7	114631	-0.3
Oats	671	100			671	0.1	632	6.2
Maize	61204	100			61204	6.8	95275	-35.8
Sorghum			43729	100.0	43729	4.9	45198	-3.2
Triticale	3910	100			3910	0.4	7741	-49.5
Others			51	100.0	51	0.0	17078	-99.7
<i>subtotal</i>	<i>308582</i>		<i>274397</i>		<i>582979</i>	<i>64.7</i>	<i>551892</i>	<i>5.6</i>
Grain by-products								
Wheat (Bran, Pollard and broll)	34182	97	945	2.7	35127	3.9	33389	5.2
Barley (Malt culms and brewers grain)	374	100			374	0.0		
Maize (Avonfeed, avongold)	3188	100			3188	0.4	6264	-49.1
Others (Bread, biscuits, etc)	63	100			63	0.0	1520	-95.9
<i>subtotal</i>	<i>37807</i>		<i>945</i>		<i>38752</i>	<i>4.3</i>	<i>41173</i>	<i>-5.9</i>
Animal proteins								
Meat and bone meal (non-poultry)	47231	100			47231	5.2	47778	-1.1
Bloodmeal (non-poultry)	7169	100			7169	0.8	7228	-0.8
Fishmeal	360	8	4013	91.8	4373	0.5	4511	-3.1
Poultry by-product meal	783	100			783	0.1	2955	-73.5
Milkpowders	5340	100			5340	0.6	5455	-2.1
Others	89	26	249	73.7	338	0.0	147	130.0
<i>subtotal</i>	<i>60972</i>		<i>4262</i>		<i>65234</i>	<i>7.2</i>	<i>68074</i>	<i>-4.2</i>
Oils and Tallows								
Vegetable oils (e.g. Soya, canola or sunflow)	869	51	831	48.9	1700	0.2		
Poultry fat	3398	100			3398	0.4		
Tallow used in non-ruminant feed	3285	72	1308	28.5	4593	0.5		
Tallow used in ruminant feed	3	100			3	0.0		
<i>subtotal</i>	<i>7554</i>		<i>2139</i>		<i>9693</i>	<i>1.1</i>		
Plant proteins								
Peas	2400	100			2400	0.3	2209	8.7
Soya meal			102590	100.0	102590	11.4	101911	0.7
Copra			4554	100.0	4554	0.5	4875	-6.6
Palm kernel			29452	100.0	29452	3.3	36611	-19.6
Others	5701	58	4213	42.5	9914	1.1	3842	158.0
<i>subtotal</i>	<i>8102</i>		<i>140809</i>		<i>148911</i>	<i>16.5</i>	<i>149448</i>	<i>-0.4</i>
Roughages								
Grass Hay	555	100			555	0.1	654	-15.2
Lucerne/Alfalfa Hay	486	100	2	0.4	488	0.1	814	-40.0
Other	11	100			11	0.0	464	-97.7
<i>subtotal</i>	<i>1052</i>		<i>2</i>		<i>1054</i>	<i>0.1</i>	<i>1932</i>	<i>-45.5</i>
Others								
Limestone	19007	100	88	0.5	19095	2.1	16726	14.2
All other raw materials	29321	82	6309	17.7	35629	4.0	32802	8.6
<i>subtotal</i>	<i>48328</i>		<i>6396</i>		<i>54724</i>	<i>6.1</i>	<i>49527</i>	<i>10.5</i>
TOTAL DOMESTIC	472,397				901,347	100.0	862,048	4.6
TOTAL IMPORTED			428,950					

Sources and types of raw materials used in compound feed production
Raw material usage statistics for the year ending December 2011

	NORTH ISLAND USAGE						SOUTH ISLAND USAGE						NATIONAL					
	North island		South Island		Imported		North island		South Island		Imported		Domestic		Imported			
	T	%	T	%	T	%	T	%	T	%	T	%	T	%	T	%		
Grains																		
Wheat	-5,054	-22	-49,881	-85	101,817	56	4,531		4,348	4	32,033		-46,056	-24	133,850	165		
Barley	-5,136	-19	-7,525	-75	-373	-3	667		9,878	15	2,141		-2,116	-2	1,768	13		
Oats	153	158	-66	-100			122		193	182	-363	-100	402	149	-363	-100		
Maize	-42,850	-45					8,779	1,750					-34,071	-36				
Sorghum					-438	-1					-1,031	-67			-1,469	-3		
Triticale					-2,264				-1,567	-29			-1,567	-29	-2,264	-100		
Others	-844	-100			-16,229				-5	-100	51		-849	-100	-16,178	-100		
<i>subtotal</i>	-53,730	-37	-57,473	-83	82,513	34	14,099	2,750	12,847	7	32,831	1,728	-84,257	-21	115,344	73		
Grain by-products																		
Wheat (Bran, Pollard and broll)	-5,206	-19	-1,210	-100	945	100	7,183		26	1			793	2	945			
Barley (Malt culms and brewer)							246		128				374					
Maize (Avonfeed, avongold)	-3,317	-53					245		-4	-100			-3,076	-49				
Others (Bread, biscuits, etc)	-1,482	-100							25	64			-1,458	-96				
<i>subtotal</i>	-10,005	-29	-1,210	-100	945	100	7,674		175	3			-3,366	-8	945			
Animal proteins																		
Meat and bone meal (non-pou)	-2,416	-7	-101	-100			1,001		969	7			-547	-1				
Bloodmeal (non-poultry)	-281	-7	-24	-100			37	235	208	6			-59	-1				
Fishmeal	-136	-88			-180	-17			-195	-36	374	15	-331	-48	193	5		
Poultry by-product meal	-426	-81	-728	-100			70		-1,088	-64			-2,173	-74				
Milkpowders	219	12	-562	-40	-50		160		117	5			-65	-1	-50	-100		
Others	89	36,239			104	42			-2	-100			87	4,476	104	72		
<i>subtotal</i>	-2,951	-7	-1,415	-63	-126	-10	1,269	4,670	9	0	374	15	-3,088	-5	247	6		
Oils and Tallows																		
Vegetable oils	-717	-63	-47	-100	-1,526	-213	-30	58	148	59	83	269	-645	-43	-1,444	-63		
Poultry fat	516	24							85	12			600	21				
Tallow (non-ruminant feed)	-1,359	-51			-53	-15	159		-244	-12	151	19	-1,444	-31	98	8		
Tallow (ruminant feed)	-2	-100							-1	-26			-3	-54				
<i>subtotal</i>	-4,513	-76	-1,462	-3,111	-1,580	-147	129	283	-12	0	234	28	-1,492	-16	-1,346	-39		
Plant proteins																		
Peas	-54	-26							246	12			192	9				
Soya meal					-2,406	-3					3,085	14			679	1		
Copra					-573	-15					252	48			-321	-7		
Palm kernel					-9,193	-49					2,033	23			-7,159	-20		
Others	2,825	1,228			-130	-58	565		793	61	2,019	102	4,182	275	1,890	81		
<i>subtotal</i>	2,771	625			-12,302	-12	565		1,039	32	7,390	23	4,374	117	-4,912	-3		
Roughages																		
Grass Hay									-99	-15			-99	-15				
Lucerne/Alfalfa Hay	-89	-23	-24	-100	2	100	44		-258	-64			-328	-40	2			
Other	-21	-100							-432	-98			-453	-98				
<i>subtotal</i>	-110	-27	-24	-100	2	100	44		-790	-53			-880	-46	2			
Others																		
Limestone	-741	-6					2,824	1,079	199	6	88		2,281	14	88			
All other raw materials	-2,801	-13	-1,575	-100	943	26	3,249	4,889	1,058	17	1,955	272	-70	0	2,897	85		
<i>subtotal</i>	-3,542	-10	-100		943	26	6,073	1,804	1,256	13	2,042	285	2,212	5	2,985	87		
TOTAL DOMESTIC			-130,874						44,377						26,768			
TOTAL IMPORTED					70,395						42,870							

NZFMA Raw Material Usage Graphs: Year ending December 2011
 Raw material usage statistics for the year ending December 2011



Usage of raw material categories in New Zealand - 2011

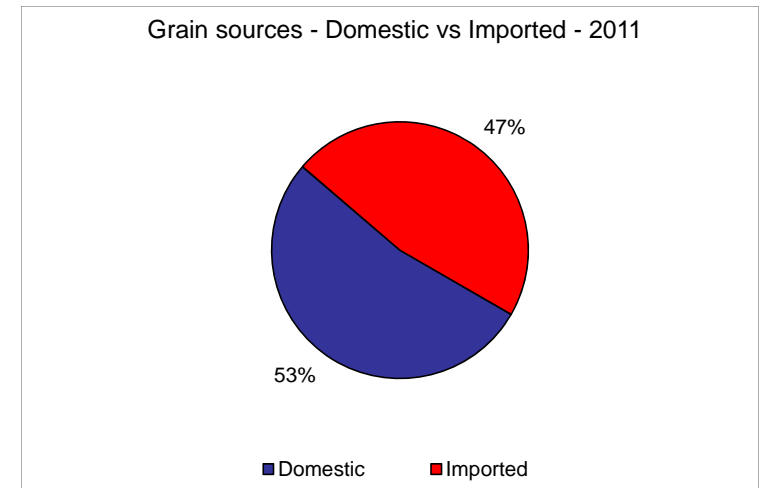
Category	Tonnes	%
Grains	582,979	64.7
Grain by-products	38,752	4.3
Animal proteins	65,234	7.2
Oils and tallows	9,693	1.1
Plant proteins	148,911	16.5
Roughages	1,054	0.1
Others	54,724	6.1
Total	901,347	100.0

Grain usage in New Zealand - 2011

Grain Type	Tonnes	%
Wheat	359,131	61.6
Barley	114,282	19.6
Oats	671	0.1
Maize	61,204	10.5
Sorghum	43,729	7.5
Triticale	3,910	0.7
Others	51	0.0
Total	582,979	100.0

Grain sources - Domestic vs Imported - 2011

Source	Tonnes	%
Domestic	308,582	53
Imported	274,397	47
Total	582,979	100.0



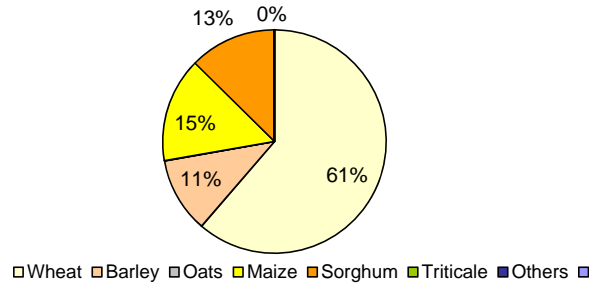
Grain usage in the North Island - 2011

	Tonnes	%
Wheat	210,323	61.3
Barley	37,288	10.9
Oats	250	0.1
Maize	51,893	15.1
Sorghum	43,223	12.6
Triticale	0	0.0
Others	0	0.0
Total	342 978	100.0

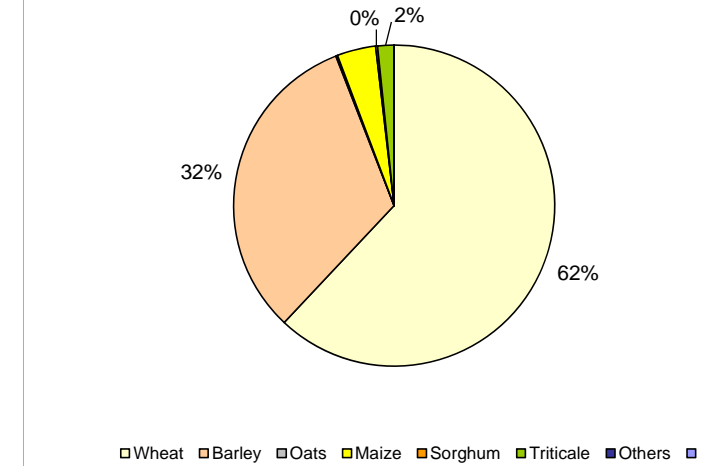
Grain usage in the South Island - 2011

	Tonnes	%
Wheat	148,807	62.0
Barley	76,995	32.1
Oats	421	0.2
Maize	9,311	3.9
Sorghum	506	0.2
Triticale	3,910	1.6
Others	51	0.0
Total	240 002	100.0

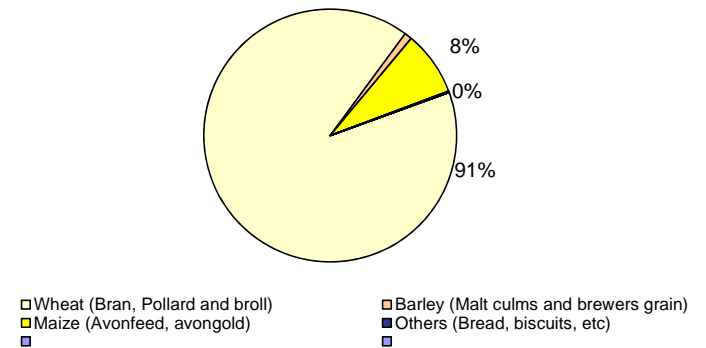
Grain usage in the North Island - 2011



Grain usage in the South Island - 2011



Grain by-products used New Zealand - 2011

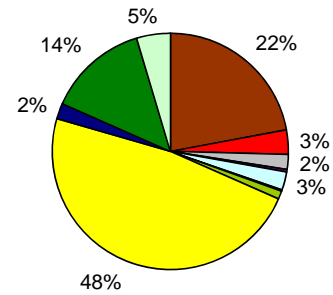


Grain by-products used New Zealand - 2011

	Tonnes	%
Wheat (Bran, Pollard and broll)	35,127	90.6
Barley (Malt culms and brewers grain)	374	1.0
Maize (Avonfeed, avongold)	3,188	8.2
Others (Bread, biscuits, etc)	63	0.2
Total	38 752	100.0

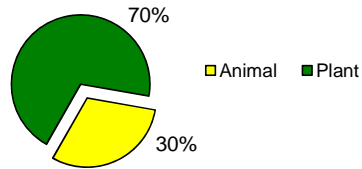
Protein usage in New Zealand - 2011

	Tonnes	%
Meat and bone meal (non-poultry)	47,231	22.1
Bloodmeal (non-poultry)	7,169	3.3
Fishmeal	4,373	2.0
Poultry by-product meal	783	0.4
Milkpowders	5,340	2.5
Other animal proteins	338	0.2
Peas	2,400	1.1
Soya meal	102,590	47.9
Copra	4,554	2.1
Palm kernel	29,452	13.8
Other plant proteins	9,914	4.6
Total	214,145	100.0

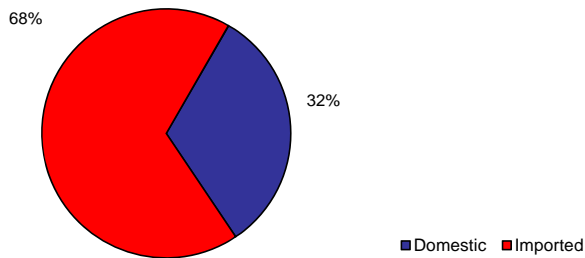


- Meat and bone meal (non-poultry)
- Fishmeal
- Milkpowders
- Peas
- Copra
- Bloodmeal (non-poultry)
- Poultry by-product meal
- Other animal proteins
- Soya meal
- Palm kernel

Protein sources - Animal vs Plant proteins - 2011



Protein sources - Domestic vs Imported - 2011



Protein sources - Animal vs Plant proteins - 2011

	Tonnes	%
Animal	65,234	30.5
Plant	148,911	69.5
Total	214 145	100.0

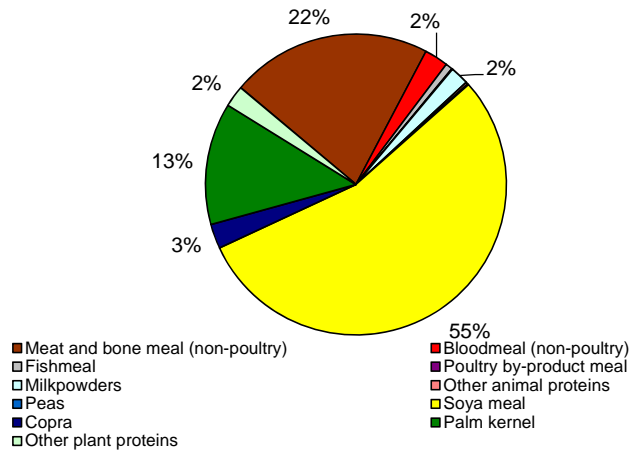
Protein sources - Domestic vs Imported - 2011

	Tonnes	%
Domestic	69,074	32.3
Imported	145,071	67.7
Total	214 145	100.0

Protein usage in the North Island - 2011

	Tonnes	%
Meat and bone meal (non-poultry)	30,861	22
Bloodmeal (non-poultry)	3,642	3
Fishmeal	1,091	1
Poultry by-product meal	98	0
Milkpowders	2,868	2
Other animal proteins	338	0
Peas	159	0
Soya meal	78,036	55
Copra	3,773	3
Palm kernel	18,709	13
Other plant proteins	3,278	2
Total	142 853	100.0

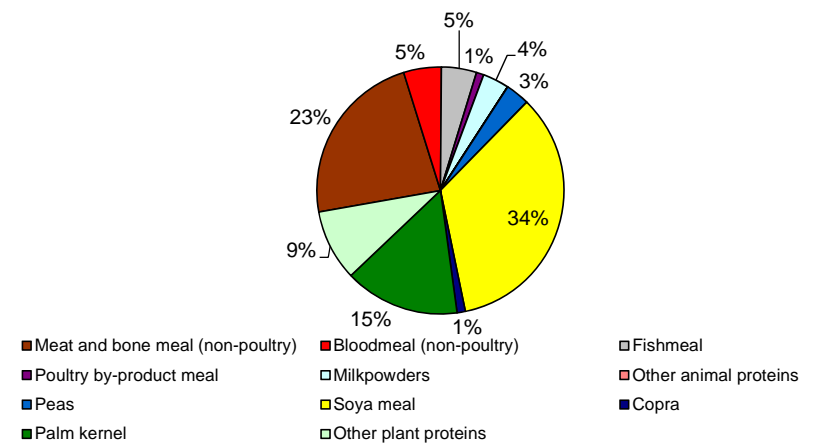
Protein usage in the North Island - 2011



Protein usage in the South Island - 2011

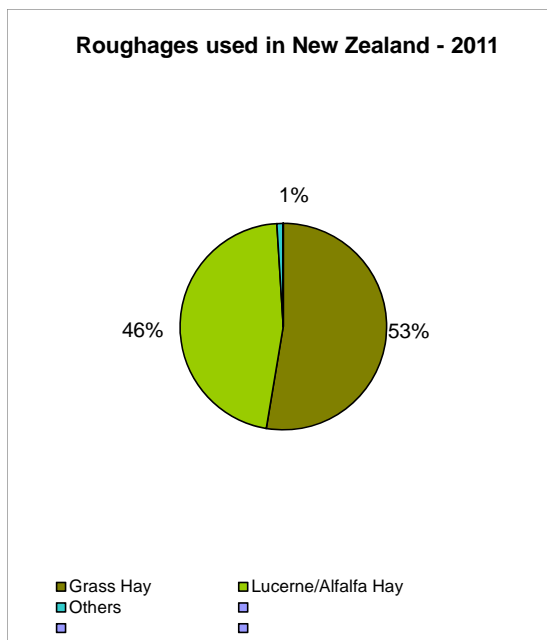
	Tonnes	%
Meat and bone meal (non-poultry)	16,371	23
Bloodmeal (non-poultry)	3,527	5
Fishmeal	3,282	5
Poultry by-product meal	685	1
Milkpowders	2,472	3
Other animal proteins	0	0
Peas	2,242	3
Soya meal	24,554	34
Copra	781	1
Palm kernel	10,743	15
Other plant proteins	6,636	9
Total	71 292	100.0

Protein usage in the South Island - 2011



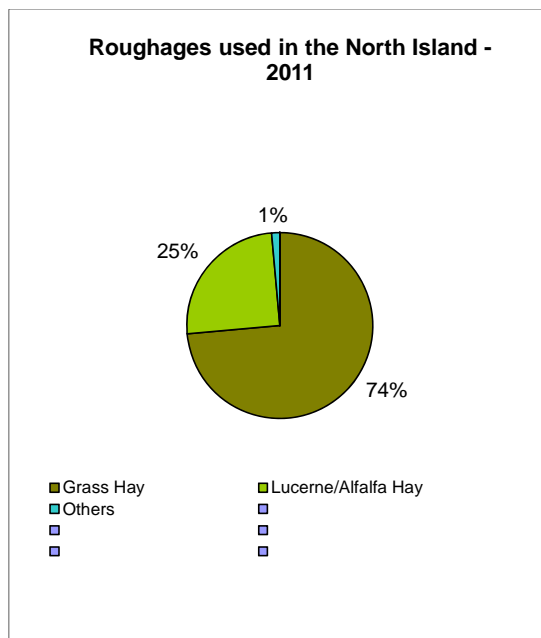
Roughages used in New Zealand - 2011

	Tonnes	%
Grass Hay	555	53
Lucerne/Alfalfa Hay	488	46
Others	11	1
Total	1,054.0	100.0



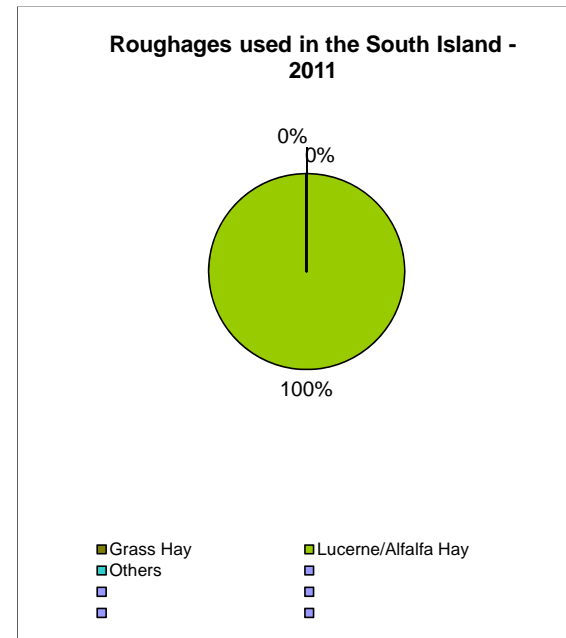
Roughages used in the North Island - 2011

	Tonnes	%
Grass Hay	0	0
Lucerne/Alfalfa Hay	300	100
Others	0	0
Total	299.9	100.0



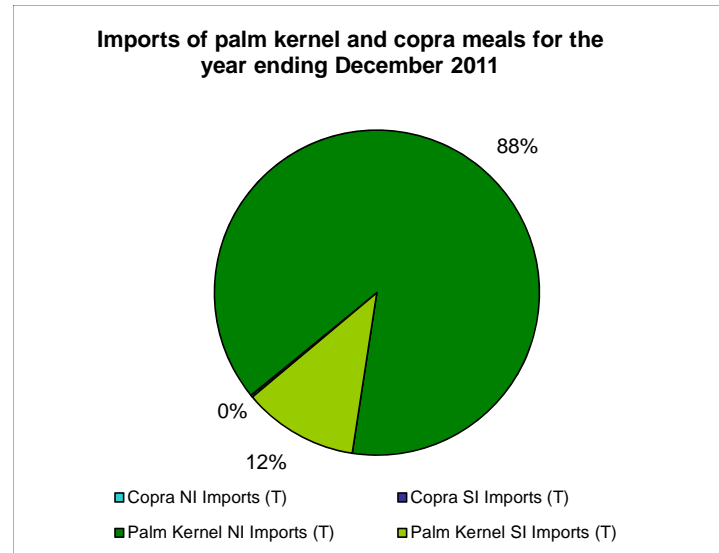
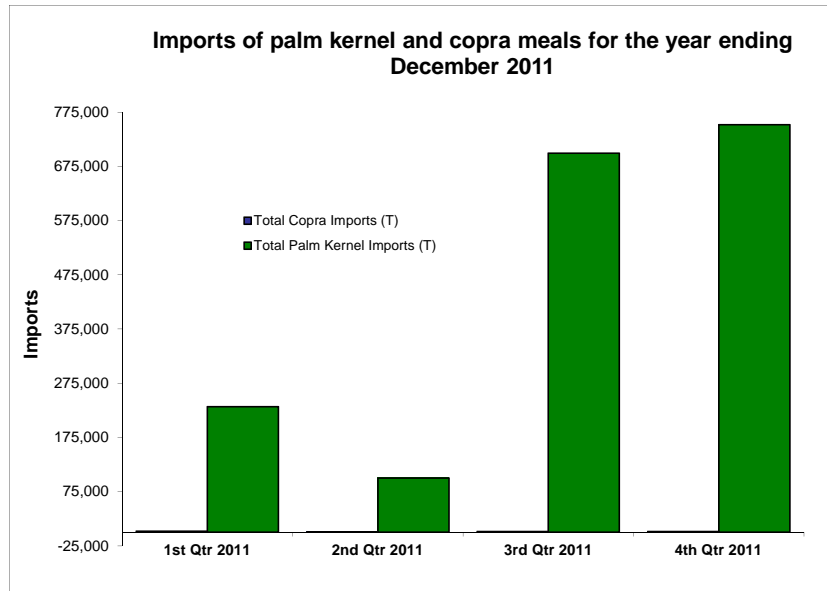
Roughages used in the South Island - 2011

	Tonnes	%
Grass Hay	555	74
Lucerne/Alfalfa Hay	189	25
Others	11	1
Total	754.2	100.0



Palm kernel and copra imports
Imports of palm kernel and copra meals for the year ending December 2011

Palm Kernel & Copra Imports:	Year ending December 2011	Year ending December 2010	% change
Total Copra Imports (T)	4,049	8,603	-52.9
Total Palm Kernel Imports (T)	1,783,178	1,202,050	48.3
Copra NI Imports (T)	3,982	8,314	-52.1
Copra SI Imports (T)	67	289	-76.7
Palm Kernel NI Imports (T)	1,578,397	1,130,907	39.6
Palm Kernel SI Imports (T)	204,781	71,144	187.8



Imports of palm kernel and copra meals for the year ending December 2011

	1st Qtr 2011	2nd Qtr 2011	3rd Qtr 2011	4th Qtr 2011
Total Copra Imports (T)	1,794	191	1,052	1,012
Total Palm Kernel Imports (T)	231,567	100,017	699,656	751,937
Copra NI Imports (T)	1,766	191	1,012	1,012
Copra SI Imports (T)	27		40	
Palm Kernel NI Imports (T)	208,835	79,636	649,361	640,565
Palm Kernel SI Imports (T)	22,732	20,382	50,295	111,372

