

LessN Trial Results - Summary Tables



As at May 2010

All Nitrogen Response Trials				Dry Matter Kg / ha / day				Dry Matter Total				Nitrogen Response		
	Season	Land	Days	Control	Urea 40	Urea 80	LessN 40	Control	Urea 40	Urea 80	LessN 40	Urea 40	Urea 80	LessN 40
Spring Trials														
Independent Dairy	Spring 07	Irrigated	28	46	70	80	75	1296	1947	2229	2092	35	25	43
Independent Sheep	Spring 07	Dry	28	27	34	46	37	745	952	1277	1048	11	14	16
Independent - Waikato	Spring 07	Dry	28	50		72	65	1407		2022	1808		17	22
Independent - Waikato	Spring 07	Irrigated	28	65	79	89	90	1820	2212	2492	2520	21	18	38
Independent - Winchmore	Spring 07	Irrigated	28	39	49	44	47	1092	1372	1232	1316	15	4	12
Donaghys - Inwell	Spring 08	Irrigated	21	18	23	34	33	381	480	712	699	5	9	17
Donaghys - Rakaia	Spring 08	Irrigated	20	39	48	64	63	788	962	1270	1257	9	13	25
Donaghys - West Eyreton	Spring 08	Irrigated	22	27	33	47	46	588	718	1040	1015	7	12	23
Donaghys - Oxford	Spring 08	Irrigated	21	33	43	60	59	693	896	1265	1235	11	16	29
Donaghys - Rangiora-2	Spring 08	Irrigated	23	37	43	63	60	852	980	1452	1374	7	16	28
Donaghys - Kaitaia	Spring 08	Irrigated	23	7	16	38	38	160	372	870	885	12	19	39
Donaghys - Eyrewell	Spring 08	Irrigated	23	13	15	27	28	293	356	622	638	3	9	19
Donaghys - Riversdale	Spring 08	Dry	25	72	80	86	93	1799	1991	2162	2337	10	10	29
Donaghys - Castlerock	Spring 08	Dry	26	38	41	52	52	978	1063	1358	1362	5	10	21
Donaghys - Tauranga	Spring 08	Dry	25	41	42	51	52	1027	1046	1283	1292	1	7	14
Donaghys - Temuka	Spring 08	Irrigated	15	59	66	78	77	892	994	1170	1158	6	8	14
Donaghys - Foxton	Spring 08	Dry	26	63	71	87	87	1644	1858	2266	2270	12	17	34
Donaghys - New Plymouth	Spring 08	Dry	23	63	70	88	92	1452	1604	2024	2118	8	16	36
Number of N Response Trials		18	24	41.0	48.3	61.5	60.8	995	1165	1486	1468	10.6	13.3	25.7
Number of Trials with U40		17	24	40.4	48.3	60.8	60.6	971	1165	1454	1448	10.6	13.1	25.9
Summer Trials														
Donaghys - Darfield	Summer 07-08	Irrigated	26	60	67	78	72	1547	1730	2037	1877	10	13	18
Donaghys - Rakaia	Summer 07-08	Irrigated	35	52	68	91	86	1834	2385	3179	2995	30	37	63
Donaghys - Ashburton	Summer 07-08	Irrigated	24	55	64	82	75	1322	1527	1979	1809	11	18	26
Donaghys - Tai Tapu	Summer 07-08	Irrigated	21	35	51	76	79	741	1064	1586	1662	18	23	50
Donaghys - Burnham	Summer 07-08	Irrigated	16	38	61	74	73	602	979	1185	1163	20	16	30
Donaghys - Culverden	Summer 08-09	Irrigated	24	39	45	58	63	945	1089	1381	1503	8	12	30
Donaghys - Dunsandel	Summer 08-09	Irrigated	25	33	40	55	52	813	997	1370	1289	10	15	26
Donaghys - Nth Canterbury	Summer 08-09	Irrigated	47	13	21	19	24	605	966	875	1150	20	7	30
Donaghys - West Coast 1	Summer 08-09	Dry	22	9	11	21	21	190	251	467	455	3	8	14
Donaghys - West Coast 2	Summer 08-09	Dry	23	11	18	20	23	258	403	471	522	8	6	14
Donaghys - West Coast 3	Summer 08-09	Dry	23	14	16	29	31	326	362	672	721	2	9	21
Donaghys - Leeston	Summer 09-10	Irrigated	25	31	46	42	48	778	1142	1039	1211	20	7	24
Number of N Response Trials		12	26	32.5	42.2	53.7	53.9	830	1075	1353	1363	13.3	14.2	29.0
Number of Trials with U40		12	26	32.5	42.2	53.7	53.9	830	1075	1353	1363	13.3	14.2	29.0

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	Season	Land	Days	Control	Urea 40	Urea 80	LessN 40	Control	Urea 40	Urea 80	LessN 40	Urea 40	Urea 80	LessN 40
Autumn Trials														
Donaghys - Darfield 1	Autumn 07	Dry	21	42		59	83	875		1232	1750		10	48
Donaghys - Springfield	Autumn 07	Dry	21	100		131	129	2108		2747	2708		17	33
Donaghys - Darfield 2	Autumn 07	Dry	21	90		110	111	1894		2305	2340		11	24
Donaghys - Woodend	Autumn 07	Irrigated	21	84		100	101	1774		2106	2117		9	19
Donaghys - Aylesbury 1	Autumn 07	Irrigated	21	34		46	58	707		975	1208		7	27
Donaghys - Aylesbury 2	Autumn 07	Irrigated	21	41		51	63	870		1076	1313		6	24
Independent - Rakaia Is.	Autumn 08	Irrigated	18	59	65	73	76	1057	1175	1318	1363	6	7	17
Donaghys - Culverden 2	Autumn 09	Irrigated	34	16	15	30	27	553	517	1012	907	-2	12	19
Donaghys - Rolleston	Autumn 09	Irrigated	26	48	54	69	69	1253	1398	1782	1787	8	14	29
Donaghys - Waitaki	Autumn 09	Irrigated	29	16	23	27	27	460	677	788	786	12	9	18
Donaghys - Dunsandel 2	Autumn 09	Irrigated	29	19	24	28	28	549	684	800	803	7	7	14
Donaghys - Dunsandel 3	Autumn 09	Irrigated	22	31	34	45	45	682	753	985	992	4	8	17
Donaghys - Lake Taupo 1	Autumn 09	Dry	26	9	10	19	19	230	267	494	498	2	7	15
Donaghys - Lake Taupo 2	Autumn 09	Dry	26	16	22	28	33	404	577	738	865	9	9	25
Donaghys - Dunsandel 4	Autumn 09	Irrigated	24	20	27	33	32	487	636	792	771	8	8	15
Donaghys - Dargaville	Autumn 09	Dry	20	36	48	55	52	726	954	1092	1045	12	10	17
Donaghys - Whangarei	Autumn 09	Dry	18	38	46	59	60	686	825	1068	1082	8	10	22
Donaghys - Ranfurly	Autumn 10	Irrigated	42	19	23	28	29	789	948	1157	1212	9	10	23
Donaghys - Clinton	Autumn 10	Dry	40	19	20	26	27	764	787	1028	1062	1	7	16
Number of N Response Trials		19	25	38.8	31.6	53.5	56.2	888	784	1237	1295	6.5	9.5	22.1
Number of Trials with U40		13	27	26.6	31.6	39.9	40.3	665	784	1004	1013	6.5	9.2	19.0

Results for all Trials with a Nitrogen Response		49	25	38	41 +	56	57	913	1021 +	1357	1375	10.1 +	12.1	25.1
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Results for all U40 Trials with a Nitrogen Response		42	25	34	41	52	52	836	1021	1286	1289	10.1	12.2	24.6
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+ Figures shown are the mean results for all 42 trials which had a further treatment of urea at 40kg/ha without the benefit of LessN.

LessN Trial Results - Summary Tables



As at May 2010

Cool Season Trials No Nitrogen Response				Dry Matter Kg / ha / day				Dry Matter Total				Nitrogen Response		
	Season	Land	Days	Control	Urea 40	Urea 80	LessN 40	Control	Urea 40	Urea 80	LessN 40	Urea 40	Urea 80	LessN 40
Independent - Northland 2	Winter 07		20	112		115	114	2247		2298	2285		1	2
Independent - Arapuni	Autumn 07		16	47	45	52	51	744	715	832	818	-2	2	4
Independent - Rangiora	Early Spring 07		28	52	60	63	54	1452	1671	1763	1509	12	8	3
Donaghys - Hinds	Late Autumn 07		21	40		41	43	846		855	898		0	3

Other Trials				Dry Matter Kg / ha / day				Dry Matter Total				Nitrogen Response		
	Season	Land	Days	Control	Urea 40	Urea 80	LessN 40	Control	Urea 40	Urea 80	LessN 40	Urea 40	Urea 80	LessN 40
Independent - Northland 1	Autumn 07		18			151	171			2715	3081			
Donaghys - Canterbury	Autumn 07		21	15		34	25	312		714	521		11	11

Independent - Northland 1 : Trial not included in mean calculations, despite having the most favourable results, due to the unavailability of control data

Donaghys - Canterbury : Trial had no clover present in the pasture