

LessN Trial Results - All trials summary



As at August 2011

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
Independent - Darfield 1	Autumn 07	Dry	21	42		59	83	875		1232	1750		10	48
Independent - Springfield	Autumn 07	Dry	21	100		131	129	2108		2747	2708		17	33
Independent - Darfield 2	Autumn 07	Dry	21	90		110	111	1894		2305	2340		11	24
Independent - Woodend	Autumn 07	Irrigated	21	84		100	101	1774		2106	2117		9	19
Independent - Aylesbury 1	Autumn 07	Irrigated	21	34		46	58	707		975	1208		7	27
Independent - Aylesbury 2	Autumn 07	Irrigated	21	41		51	63	870		1076	1313		6	24
Independent - Waikato	Spring 07	Dry	28	50		72	65	1407		2022	1808		17	22
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	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 - 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
Independent - Rakaia ls.	Autumn 08	Irrigated	18	59	65	73	76	1057	1175	1318	1363	6	7	17
Donaghys - Irwell	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
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 - 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

LessN Trial Results - All trials summary continued



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
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
Donaghys - Leeston	Autumn 10	Irrigated	25	31	46	42	48	778	1142	1039	1211	20	7	24
Independent - Springston	Summer 10-11	Irrigated	30	25	35	45	43	738	1054	1356	1294	17	17	30
Independent - Bankside	Summer 10-11	Irrigated	24	50	69	73	73	1201	1657	1754	1747	25	15	30
Independent - Tai Tapu	Summer 10-11	Irrigated	22	43	55	64	69	950	1215	1400	1518	14	12	31
Independent - Dunsandel	Summer 10-11	Irrigated	25	58	64	79	73	1454	1604	1973	1834	8	14	21
Independent - Pendarves	Summer 10-11	Irrigated	20	58	71	76	82	1160	1414	1526	1634	14	10	26
Independent - Greenpark	Summer 10-11	Irrigated	28	44	52	61	59	1243	1447	1719	1649	11	13	22
Independent - Reporoa	Summer 10-11	Irrigated	19	34	56	64	53	637	1056	1208	1004	23	16	20
Independent - Ohaupo	Summer 10-11	Dry	21	47	58	61	59	982	1216	1278	1239	13	8	14
Independent - Cambridge	Summer 10-11	Dry	24	42	47	53	57	1018	1120	1261	1367	6	7	19

Summary of Nitrogen Response Trials				Dry Matter Kg / ha / day				Dry Matter Total				Nitrogen Response		
			Days	Control	Urea 40	Urea 80	LessN 40	Control	Urea 40	Urea 80	LessN 40	Urea 40	Urea 80	LessN 40
Results for all Trials with a Nitrogen Response		58	25	39	44 +	58	58	933	1072 +	1379	1391	11	12	25
Results for all U40 Trials with a Nitrogen Response		51	25	36	44	54	54	872	1072	1323	1322	11	12	24

+ Figures shown are the mean results for all 51 trials which had a further treatment of urea at 40kg/ha without the benefit of LessN.