

ONTARIO FORAGE CROP INVESTIGATIONS



1988 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

- Kapuskasing
- Thunder Bay
- Ridgetown
- Kemptville
- New Liskeard
- Guelph
- Ottawa

1988 REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

Compiled by: R.W.Suitor

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Conducted co-operatively by the Ontario Ministry of
Agriculture and Food, the Crop Science Department,
University of Guelph and Agriculture Canada.

This is the 1988 Ontario Forage Crop Investigations Report. The information contained here was published as submitted by the crop coordinators. Names and addresses of each crop coordinator are provided to facilitate further inquiries if such a need arises.

Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation. Therefore, publication of any data or statements herein should not be made without prior written approval of the organization and personnel concerned.

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EARLY ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended in Publication 296

532	Armor	DK-135	Pinnacle	Trumpetor
88	Arrow	Eagle	Preserve	Turbo
Admiral	Award	Edge	Primal	Verta +
Advance	Bell Ringer	Excalibur	Regal	Vista
Alouette	Blazer	G 2852	Saranac	WL 316
Anchor	Citation	Hunter	Spectrum	
Angus	Classic	Husky	Surpass	
Apica	Crusader	Magnum +	Thor	
Apollo II	DK-125	Peak	Tomahawk	

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
1081	82003	Pickseed	No support, testing complete	14
1083	83-2	Pickseed	No support, testing complete	15
1086	83-3	Oseco	No support, testing complete	12
1087	NK 83630	N.K.	No support, testing complete	13
1088	XAR32 (5432)	Pioneer	No support, testing complete	14
1089	KG 1928	King Agro	No support, testing complete	11
1090	Ott 84-3	Ottawa	Support for reg., defer (1)	11
1092	WL S39 (Chief)	Pickseed	Support for reg., defer (1)	14
1094	NAPB 26B	King Agro	Support for reg., defer (1)	11
1096	AP 46	Oseco	Support for reg., defer (1)	9
1099	Ht 55	Pickseed	Support for reg., defer (1)	13
1093	84-15	King Agro	No support '88, re-examine '89	11
1095	84-14	Thompson	No support '88, re-examine '89	9
1097	LSC 8601	Seed Link	No support '88, re-examine '89	9
1098	LSC 503	Seed Link	No support '88, re-examine '89	9
1100	MPR	UCO		2
1101	A25	UCO		2
1102	BPR 335	UCO		2
1103	NAPB 25	King Agro		3
1104	LSC 725	Seed Link		2

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
1105	LSC 726	Seed Link		2
1106	LSC 728	Seed Link		2
1107	NK 85-32	N.K.		3
1108	NK 85-45	N.K.		3
1109	NK 86-109	N.K.		3
1110	S 36	Oseco		2
1111	S 88	Parsons		2
1112	A871	Pickseed		2
1113	XAR53 (5331)	Pioneer		5
1114	YAR 64	Pioneer		2
1115	82A	Pioneer		3
1116	OAC 83-110	U. of Guelph		2
1117	XAF 62	Pioneer		0
1118	SITEL	Labon Inc.		0
1119	B852	Pickseed		0
1120	B853	Pickseed		0
1121	C87	Pickseed		0
1122	C89	Pickseed		0
1123	C95	Pickseed		0
1124	AP8632	King Agro		0
1125	AP8624	King Agro		0
1126	623	Coop Federee		0
1127	627	Nemec		0
1128	533	Nemec		0
1129	635	Nemec		0
1130	655	Nemec		0
1131	545	Nemec		0

Expt. 1105 Alfalfa registration trial (Saranac-type fall dormancy), seeded
1986, harvested 1988, Ridgetown

Cultivar	yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 Saranac	4846	2856	7702
1011 Citation	4857	2427	7284
1039 Excalibur	5282	2418	7700
1081 82003	4839	2820	7659
1082 Pinnacle	5195	2761	7955
1083 83-2	4950	2759	7709
1084 Verta Plus	4970	2765	7735
1085 DK 125	5191	2385	7576
1086 Kingstar	5136	2655	7791
1087 NK83630	5036	2436	7472
1088 5432	5092	2726	7818
1089 KG 1928	4970	2642	7612
1090 OT84-3	5037	2404	7441
1092 WL-S39	5036	2751	7787
1093 84-15	5150	2800	7950
1094 NAPB 26B	5045	3080	8126
1095 84-14	5012	2646	7658
1096 AP 46	4873	3470	8343
1097 LSC 8601	5072	2788	7859
1098 LSC 503	4969	2578	7547
1099 Ht55	4989	3022	8012
Harv means	5026	2723	7749
CV %	4.9	16.3	6.7
LSD (5%)	341.3	611.0	710.5

Expt. 2609 Alfalfa registration trial (Saranac-type fall dormancy), seeded
1986, harvested 1988, Elora, Persistence

Cultivar	Mean Yield kg/ha	% checks
1001 Saranac	5495	
1011 Citation	5679	
1039 Excalibur	5309	
1081 82003	5127	93
1082 Pinnacle	5457	99
1083 83-2	5367	98
1084 Verta Plus	5266	96
1085 DK 125	5541	101
1086 Kingstar	5388	98
1087 NK83630	4679	85
1088 5432	5420	99
1089 KG 1928	5889	107
1090 OT84-3	5749	105
1092 WL-S39	5384	98
1093 84-15 (AF21)	5118	93
1094 NAPB 26B	5371	98
1095 84-14 (Pro-Cut)	5138	94
1096 AP 46	5441	99
1097 LSC 8601	5902	107
1098 LSC 503	5082	93
1099 Ht55	5590	102
HARV MEANS	5400	
CV %	11.8	
LSD (5%)	750.5	

Alfalfa registration trial (Saranac-type fall dormancy), seeded
1986, harvested 1988, New Liskeard

Cultivar	Yield (kg/ha)		Total
	Cut 1 June 17	Cut 2 July 20	
1094 NAPB26B	5721	4176	9897
1039 Excalibur	5716	4160	9876
1084 N3126	5652	4190	9842
1081 82003	5692	4132	9824
1085 N3272	5698	4050	9748
1096 AP46	5687	4060	9747
1011 Citation	5732	3956	9687
1092 WLS39	5662	3918	9580
1089 NKG 1928	5528	3995	9523
1087 NK83630	5341	3996	9337
1090 OT84-3	5306	4002	9308
1001 Saranac	5392	3910	9302
1088 XAR32	5303	3990	9293
1082 NY8413	5375	4009	9284
1099 HT55	5173	3960	9133
1093 84-15	5261	3851	9112
1098 LSC503	5214	3880	9094
1095 84-14	5115	3872	8987
1097 LSC8601	5153	3832	8985
1083 83-2	5201	3748	8949
1086 83-3	5000	3716	8716
HARV MEANS	5420	3972	9389
LSD (.05)	120	96	171
CV	3.4	3.7	2.8

Expt. 2620 Alfalfa registration trial ^A~~B~~, seeded 1987, harvested 1988, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 Saranac	6322	2378	2972	11663
1011 Citation	5922	2090	3035	11042
1039 Excalibur	6458	2135	3109	11695
1092 WL-S39	6328	2437	2913	11690
1093 84-15	6349	2181	3044	11582
1094 NAPB 26B	6118	2168	2813	11093
1095 84-14	6250	2228	2871	11334
1096 AP 46	6712	2385	3126	12237
1097 LSC 8601	6448	2332	2863	11654
1098 LSC 503	6673	2380	2981	12035
1099 Ht55	6323	2298	2915	11538
9002 120	6640	2226	3003	11865
9004 Iroquois	6240	2378	2767	11386
9058 A85-3	6763	2403	3135	12311
9059 WL 225	6703	2269	3060	12027
9060 NK 83631	6889	2480	2986	12350
9061 Fortress	6073	2260	3010	11336
9063 RS3309[Champ	6599	2324	3019	11954
9064 Wrangler	6077	2092	2989	11149
HARV MEANS	6415	2287	2980	11681
CV %	7.7	9.1	4.7	5.0
LSD (5%)	595.4	249.6	167.8	705.9

Expt. 2621 Alfalfa registration trial B, seeded 1987, harvested 1988, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut3	Total
1001 Saranac	6131	3415	3569	13101
1011 Citation	6365	3596	3565	13506
1039 Excalibur	6692	3733	3777	14216
1100 MPR	6675	3819	3649	14145
1101 A25	6633	3856	3562	14074
1102 BPR 335	6913	3770	3515	14164
1103 NAPB 25	6737	3642	3625	14012
1104 LSC 725	6646	3595	3730	13978
1105 LSC 726	6753	3645	3586	13991
1106 LSC 728	6440	3641	3518	13596
1107 NK 85-32	6351	3653	3588	13614
1108 NK 85-45	6155	3515	3576	13252
1109 NK 86-109	6692	3590	3538	13813
1110 S 36	6509	3607	3600	13710
1111 S 88	6390	3488	3536	13455
1112 A 871	6514	3597	3454	13546
1113 5331	6663	3678	3681	14033
1114 YAR 64	6564	3772	3508	13829
1115 82 A	6812	3649	3415	13871
1116 OAC 83-110	6142	3677	3596	13416
9002 120	7313	3756	3781	14865
9004 Iroquois	6463	3566	3490	13530
9065 CW541 (X8781)	6677	3812	3703	14169
9066 LSC 724	6733	3754	3495	13969
9067 LSC 727	6672	3698	3553	13920
9068 NK 85-48	6505	3663	3551	13724
9069 NK 86-638	6715	3784	3604	14082
9070 NK 86-92	6260	3457	3576	13290
9071 NAPB 31	6405	3436	3624	13482
9072 Impact	6899	3771	3603	14272
9073 A 872	6888	3710	3710	14304
HARV MEANS	6590	3656	3590	13836
CV %	5.2	5.6	4.1	4.0
LSD (5%)	405.6	243.9	175.7	662.7

Expt. 3010 Alfalfa variety trial (Saranac-type fall dormancy), seeded 1987,
harvested 1988, Kemptville

Cultivar	yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 Saranac	6565	5445	4588	16598
1011 Citation	6382	4950	4025	15358
1039 Excalibur	6379	5503	4762	16644
1092 WL-S39	6270	5295	4533	16097
1093 84-15	6283	5295	4454	16031
1094 NAPB 26B	6091	5605	4549	16246
1095 84-14	5990	5254	4377	15621
1096 AP 46	6039	5016	4387	15443
1097 LSC 8601	6463	5179	4677	16320
1098 LSC 503	5719	5097	4662	15477
1099 Ht55	6409	5658	4803	16869
9002 120	6472	5184	4376	16033
9004 Iroquois	6864	5093	4415	16373
9058 A85-3	6501	5399	4363	16263
9059 WL 225	6302	5004	4161	15466
9060 NK 83631	6548	5397	4274	16219
9061 Fortress	5921	5113	4569	15603
9063 RS3309Champ	5992	4871	4434	15297
9064 Wrangler	5903	5009	4024	14936
Harv means	6268	5230	4444	15942
CV %	9.0	6.1	6.3	5.0
LSD (5%)	674.1	382.1	330.9	946.2

Expt. 7185 Alfalfa registration trial B, seeded 1987, harvested 1988, Thunder Bay

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 Saranac	2841	2232	5073
1011 Citation	2836	2242	5078
1039 Excalibur	2843	2260	5103
1100 MPR	2944	2223	5167
1101 A25	2965	2372	5338
1102 BPR 335	2924	2449	5372
1103 NAPB 25	2771	2291	5062
1104 LSC 725	2685	2747	5432
1105 LSC 726	2868	2585	5452
1106 LSC 728	3041	2295	5336
1107 NK 85-32	2730	1862	4592
1108 NK 85-45	2928	2455	5383
1109 NK 86-109	2925	2110	5035
1110 S 36	2763	2335	5098
1111 S 88	2899	2150	5049
1112 A 871	3114	2400	5514
1113 5331	2920	1805	4725
1114 YAR 64	2836	2478	5314
1115 82 A	2842	2270	5113
1116 OAC 83-110	2350	2459	4809
9002 120	3119	2482	5601
9004 Iroquois	3089	2215	5303
9065 G2841	2911	2365	5276
9066 LSC 724	3268	1928	5196
9067 LSC 727	2930	2502	5432
9068 NK 85-48	2423	2422	4845
9069 NK 86-638	3195	2370	5565
9070 NK 86-92	3002	2275	5277
9071 NAPB 31	3375	2409	5784
9072 Impact	3167	2296	5463
9073 A 872	3173	2758	5931
HARV MEANS	2925	2324	5249
CV %	9.3	12.3	7.6
LSD (5%)	370.8	391.1	544.3

MEDIUM ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended in Publication 296

120	Comsel	Magnum	Olinda	Thunder
526	Crown	Mohawk	Oneida VR	Ultra
Algonquin	Glory	Noble	Shield	Valor
Ambassador	Iroquois	OAC Minto	Sure	WL 222
Centurion				

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
9020	Drummor	N.K.	Dropped at Co. request	-
9024	SC Poly 2	Ottawa	Dropped at Co. request	-
9049	Big Ten	W. Glassford	No support, testing complete	11
9056	Ott 84-2	Ottawa	No support, testing complete	11
9057	SF 8001	Ag. Can.	No support, testing complete	11
9054	LSC 537	Seed Link	Support for reg., defer (1)	11
9055	XAF 31	Pioneer	Support for reg., defer (1)	11
9048	NY 8412	Pickseed	Support for reg., defer (1)	16
9063	RS-3309	Oseco	Support for reg., defer (1)	10
9058	A 85-3	Pickseed	Support for reg., defer (1)	15
9059	WL 225	King Agro	No support '89, re-examine '90	12
9060	NK 83631	N.K.	No support '89, re-examine '90	14
9061	NK83632	N.K.	No support '89, re-examine '90	14
9064	Wrangler	Norcan	No support '89, re-examine '90	9
9065	X8781 (CW541)	Funk		2
9066	LSC 724	Landis		2
9067	LSC 727	Landis		2
9068	NK 85-48	N.K.		3
9069	NK 86-638	N.K.		3

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
9070	NK 86-92	N.K.		3
9071	NABP 31	Oseco		2
9072	Impact	Parsons		2
9073	A872	Pickseed		4
1132	84T34 (NS 881)	Northstar		0
1133	82-A-89	UCO		0
1134	NK 87749	NK		0
1135	NK 87754	NK		0
1136	NK 87756	NK		0
1137	NK 87745	NK		0
1138	Legend	NK		0
1139	MS 96	Mapleseed		0
1140	LSC Vector	Landis		0
1141	LSC 845	Landis		0
1142	LSC 846	Landis		0
1143	LSC 847	Landis		0
1144	C268	Norcan		0
1145	AP 41	Oseco		0
1146	AP 8620	Oseco		0
1147	ISI 567	Richardson		0
1148	870S	Sunparlour		0

Expt. 1106 Alfalfa registration trial (Iroquois type fall dormancy), seeded
1986, harvested 1988, Ridgetown, PERSISTENCE

Cultivar		<u>yield (kg/ha)</u>	
9002	120	5260	
9004	Iroquois	4938	
9048	NY8412	5015	98%
9049	Big Ten	5553	109
9050	Sure	5312	104
9051	Shield	5099	100
9052	Crown	5229	103
9053	Centurion	5178	102
9054	LSC 537	5592	110
9055	XAF31	5212	102
9056	OT84-2	5117	100
9057	SF8001	5047	99
9058	A85-3	5139	101
9059	WL 225	5211	102
9060	NK 83631	5010	98
9061	Fortress	5070	99
9062	Ultra	5107	100
9063	RS3309Champ	5129	100
9064	Wrangler	5132	101
Harv mean		5176	
CV (%)		9.2	
LSD (5%)		565.5	

Expt. 2610 Alfalfa registration trial (Iroquois-type fall dormancy), seeded
1986, harvested 1988, Elora

Cultivar	Mean Yield (kg/ha)			Total
	Cut 1	Cut 2	Cut 3	
9002 120	5782	1901	2833	10517
9004 Iroquois	6212	2271	2701	11184
9048 NY8412	6427	2652	2877	11955
9049 Big Ten	6114	1713	2594	10421
9050 Sure	6031	2330	2765	11126
9051 Shield	5766	2278	2916	10960
9052 Crown	5832	2276	2632	10740
9053 Centurion	5713	2286	2966	10965
9054 LSC 537	6124	2586	2855	11564
9055 XAF31	6400	2517	3053	11969
9056 OT84-2	5481	1811	2492	9784
9057 SF8001	6183	2271	2647	11102
9058 A85-3	5791	2143	2795	10729
9059 WL 225	6318	2161	2443	10922
9060 NK 83631	5701	2309	2761	10771
9061 Fortress	5667	2401	2845	10913
9062 Ultra	5995	2022	2627	10645
9063 RS3309[Champ	5918	2334	2969	11221
9064 Wrangler	5662	1383	2399	9444
HARV MEANS	5954	2192	2746	10891
CV %	7.1	19.8	9.0	7.7
LSD (5%)	584.9	599.9	343.0	1155.6

Alfalfa registration trial (Iroquois-type fall dormancy), seeded
1986, harvested 1988, New Liskeard

Variety	Yield (kg/ha)		Total Yield
	Cut 1 June 16	Cut 2 July 20	
9062 RS-423	5396	4350	9746
9055 XAF31	5246	4220	9666
9040 N3418	5367	4222	9589
9002 120	5350	4172	9522
9052 C-339	5224	4235	9459
9054 LSC537	5228	4188	9416
9053 EXP12	5161	4200	9361
9058 A85-3	5126	4200	9326
9051 N3340	5071	4126	9197
9048 NY8412	5084	4107	9192
9056 OT84-2	5006	4174	9180
9057 SF8001	5118	4047	9165
9049 Big Ten	4980	4146	9126
9064 G-83	5077	3966	9043
9061 NK 83632	4868	4134	9002
9004 Iroquois	4922	4066	8988
9063 RS-3309	4781	4053	8834
9060 NK83631	4714	4096	8810
9059 WL225	4833	3900	8733
HARV MEANS	5082	4148	9229
LSD (.05)	106	96	137
CV	3.0	3.3	2.1

NK Alfalfa variety trial, seeded 1986, harvested 1988, Arva

Code	Entry	Yield kg/ha			
		<u>Cut 1</u>	<u>Cut 2</u>	<u>Cut 3</u>	<u>Total</u>
1039	Excalibur	8142	2687	1386	12215
1087	83630	8024	2622	1425	12071
9004	Iroquois	7693	2471	1457	11891
9060	83631	7841	2549	1454	11844
9061	Fortress	7788	2629	1404	11821
9002	DK 120	7764	2584	1369	11717
1011	Citation	7742	2471	1359	11572
MEAN		7895	2573	1408	11876
CV		6.5	4.8	8.7	4.5
LSD		650.6	156.7	153.7	671.5

Pickseed alfalfa variety trial, seeded 1986, harvested 1988,
Blenheim

Code	Variety	yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
9002	120	8450	3964	5155	17569
9004	Iroquois	7862	4049	4860	16770
1039	Excalibur	8255	4191	5560	18006
1011	Citation	8197	4026	5200	17423
5	Vertus	7878	4095	5255	17228
1055	Advance	7762	4600	5035	17398
9032	Ambassador	8677	4146	5820	18643
1099	Ht55	8505	4385	5515	18405
9	A85-4	8487	4470	5055	18012
9058	A85-3	8231	4437	5655	18323
1092	EXP AA	8739	4565	5205	18509
CV %		7.7	10.5	11.9	5.3
LSD (5%)		292	647	912	1371

Pickseed alfalfa variety trial, seeded 1986, harvested 1988,
Elmira

Code	Variety	yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1092	EXP AA	5834	2489	1892	10214
9058	A85-3	5796	3357	2055	11207
3	A85-4	5728	2879	2015	10622
1099	Ht55	6158	3159	1726	11043
1011	Citation	6150	2537	1623	10310
1039	Excalibur	6336	2926	1728	10990
9004	Iroquois	5960	3087	1670	10718
9048	NY8412	6272	3245	1712	11228
1082	NY8413	5889	2952	1819	10660
1001	Saranac	5822	2858	2039	10719
9002	120	6137	2487	1853	10478
1083	830-2	5817	2496	2003	10315
9059	EXP BB	5869	2762	2052	10683
1093	EXP CC	5941	2604	1921	10467
1094	EXP DD	5837	2604	1733	10173
1018	EXP EE	6185	2660	1927	10772
1087	EXP FF	5802	2998	1940	10740
9060	EXP GG	5364	2031	1633	9028
9061	EXP HH	5898	2512	1931	10340
20	Vertus	5326	2337	1971	9635
1055	Advance	5849	2852	1923	10623
9006	Minto	5833	2763	1835	10431
9032	Ambassador	5869	2515	1877	10262
CV %		6.7	23.4	14.6	8.4
LSD (5%)		555	905	383	1249

Pioneer alfalfa variety trial, seeded 1986, harvested 1988,
Chatham.

Code	Cut 1	Cut 2	Cut 3	Cut 4	Total
9009 526	5553	4523	4646	2378	18100
1017 532	6029	5033	4549	2226	16239
1088 5432	6239	5589	4410	2322	18560
1062 5444	6590	5033	4533	2209	18362
5 84CR242 12	6190	4847	4183	2250	17470
? 6 84PR221 13	6288	5311	4183	2145	17941
7 84PR261 14	6476	5312	4786	2162	18734
8 84PV821 15	6518	4744	4549	2106	17917
9 84PV841 4	6099	4407	4864	2571	17942
1178 0 85CR252	6784	5520	4768	2556	19627
1 85CR292 18	5819	5300	4934	2579	18632
2 85CR312 20	5757	5521	4978	2579	18833
3 85CR342 26	6501	4995	4692	2431	17753
4 85PF011 21	6476	4847	4637	2001	17954
5 85PF021 22	6211	4372	4716	2290	17588
6 85PF031 9	6818	5020	4498	1976	18314
7 85PR211 24	6120	5370	4995	2620	19103
8 85PV821 25	6770	5439	4619	2419	19245
1177 9 85SV811	6518	5114	4463	2322	18416
1011 CITATION	6490	4755	4401	2057	17703
9002 DK 120	6197	4695	4463	2034	17102
1039 EXCALIBUR	6253	4547	4323	2048	17170
9004 IROQUOIS	6644	4512	4393	1960	17509
1001 SARANAC	5701	4791	4979	2194	17665
25 YAR 52 5	6336	5160	4350	2089	17882
1113 YAR 53	6204	4987	4489	2234	17913
MEAN	6329	4988	4591	2258	18077
STD	769	829	428	389	1789
CV	11	17	9	17	10

King Agro alfalfa variety trial, seeded 1987, harvested 1988,
Chatham

Cultivar		yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
9059	WL225	5792	5449	5170	16410
	2 86-15	5740	5877	5740	17358
	3 86-121	5832	5580	5191	16603
	4 86-135	6746	5809	5306	17861
	5 85-35	5694	5923	5328	16946
	6 85-141	6152	6449	6083	18684
	7 86-16	6358	5717	5694	17769
	8 86-18	5946	5877	5511	17335
	9 86-27	5328	5557	5694	16580
	10 85-145	6472	5969	5237	17678
1103	NAPB 25	6746	5992	5443	18181
1018	Primal	6929	6380	5763	19073
9002	120	6838	5694	5191	17723
1011	Citation	6609	5694	5397	17701
1039	Excalibur	5923	5511	5306	16740
9004	Iroquois	6220	5489	4688	16397
1048	WL 316	6420	5692	4999	17112
Harv means		6220	5804	5397	17421
CV %		12.4	6.1	7.7	5.2
LSD (5%)		918.6	418.3	497.8	1069.1

NK Alfalfa variety trial, seeded 1987, harvested 1988, Arva

	<u>Entry</u>	<u>Cut 1</u>	<u>Cut 2</u>	<u>Cut 3</u>	<u>Total</u>
1107	0-85-32	7410	2945	1541	11896
9061	Fortress	7335	2697	1474	11506
9060	83631	7254	2717	1370	11341
9069	86638	6920	2899	1454	11273
9068	0-85-48	6569	3203	1486	11258
9070	0-86-92	6990	2813	1425	11228
9002	DK 120	7071	2759	1343	11173
1039	Excalibur	7081	2774	1259	11114
1108	0-85-45	7093	2696	1318	11107
1087	83630	6750	2981	1349	11080
9004	Iroquois	6937	2824	1280	11041
1011	Citation	7140	2644	1253	11037
1109	0-86-109	6571	2864	1484	10919
1023	Trumpetor	6868	2701	1252	10821
MEAN		6999	2823	1378	11200
CV.		6.5	4.5	7.7	3.8
LSD		571.2	161.0	134.2	535.0

OSECO Alfalfa variety trial, seeded 1987, harvested 1988, Rockwood

Cultivar Name	yield (kg/ha)			Total
	1st Cut	2nd Cut	3rd Cut	
1041 Gemini	4028	2494	2992	9514
1007 Vertus	3927	2536	2742	9205
3 WWB 10	3884	2367	2742	8993
4 WWB 11	3540	2135	2757	8732
5 WWB 8	3913	2409	2679	9001
1086 WL 83-3	3727	2430	2710	8867
9063 RS 3309 (Champ)	4157	2937	2898	9992
1072 Dart	3841	2409	2883	9133
1073 NAPB 23 (Surpass)	4185	2959	3055	10199
1071 Bell Ringer	4042	2557	2726	9325
11 LS E16	3985	2261	2679	8925
1009 Blazer	3970	2303	2867	9141
9015 Thunder	3870	1987	2399	8255
1030 Armor	4013	2747	2945	9706
9004 Iroquois	4286	2282	2538	9106
1039 Excaliber	4286	2748	3165	10198
1011 Citation	4264	2515	2616	9396
9002 120	3999	2388	2930	9317
19 Nitro		0		0
20 Ufimovskaya 7	3813	0	3071	6883
21 Dedinovskaya	3010	0	1990	5000
Harv means	3937	2470	2769	8929
CV (5%)	7.2	14.0	8.9	6.8
LSD (5%)	468.7	568.6	404.6	1007.0

Pickseed alfalfa variety trial, seeded 1987, harvested 1988,
Blenheim

Code	Variety	yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1062	5444	8995	4608	3015	16618
2	B85-20	7625	4246	2672	14543
3	R308	9216	4286	2627	16129
9073	A872	8476	4250	2556	15282
5	R307	8115	4404	2781	15300
1075	Maxim	8641	4606	2879	16126
7	A855	8397	4709	2999	16105
9002	120	8217	3991	2435	14643
9	A856	8983	4210	2822	16015
1011	Citation	8435	4401	2544	15380
1082	NY8413	8848	4256	2676	15779
12	R306	8976	4241	2851	16067
9004	Iroquois	7550	4016	2189	13754
9048	NY8412	8754	3874	2632	15259
1039	Excalibur	8554	4367	2898	15819
9058	A853	8782	4512	2935	16229
1074	Arrow	9106	4206	2787	16099
18	A854	8596	4149	2740	15484
9041	Oneida VR	7875	4192	2654	14721
20	WL516	5738	3219	2353	11309
21	WL605	4430	2581	2117	9128
CV %		10.5	11.7	11.0	8.5
LSD (5%)		1221	686	417	1801

Pickseed alfalfa variety trial, seeded 1987, harvested 1988,
Elmira

Code	Variety	yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1	B85-20	5367	3431	1945	10744
2	R308	4592	3718	2171	10481
3	R307	5368	3510	1781	10659
4	A855	5795	4193	2129	12117
5	A856	5637	4213	2268	12118
1075	Maxim	5159	3354	2062	10575
9073	A872	5750	4574	2192	12516
1092	EXP AA	5336	3964	2140	11440
1062	5444	5654	3570	1874	11099
9002	120	6071	3924	2033	12027
1011	Citation	5700	4111	2278	12089
9004	Iroquois	5385	2994	1511	9890
1039	Excalibur	5259	4049	2157	11465
1074	Arrow	5180	3329	1898	10407
1082	NY8413	5258	3437	1918	10613
9048	NY8412	5478	3888	2089	11455
17	R309	5525	3719	2108	11352
9058	A853	5729	4365	2211	12305
19	A854	4950	3753	1940	10643
9041	Oneida VR	5507	3608	1959	11074
CV %		7.3	15.9	15.9	9.4
LSD (5%)		588	895	483	1497

Pioneer alfalfa variety trial, seeded 1987, harvested 1988,
Chatham

Code	Cut 1	Cut 2	Cut 3	Cut 4	Total
9009 526	6233	5162	4164	3337	18928
1017 532	5335	4479	4083	2967	17164
1088 5432	5679	5202	4110	3091	18080
1062 5444	5953	4883	4527	3229	18591
1115 82A-1	5905	5433	4232	3112	18680
6 86CF012	5749	4970	3949	2967	17635
7 86CF022	5792	4971	4117	3039	17920
8 86CF032	5582	4763	3929	2785	17060
9 86CF042	5599	5361	4170	2945	18075
10 86CF052	5824	4539	4338	3032	17735
11 86CF212-?	5357	5170	3868	2938	17332
12 86CR222	5400	5249	4197	3010	17857
13 86CR232	5437	4802	4232	3410	17880
14 86CR242	5797	5234	4358	3352	18742
15 86CR252	6340	6008	4332	3236	19914
16 86CR262	5991	5282	3956	2814	18042
17 86CR272	5840	5513	3895	2916	18164
18 86CV812	5765	5298	4017	2814	17893
19 86CV822	5937	5888	4534	3445	19803
20 86PF011-?	5910	5154	4197	3010	18272
21 86PR211	5470	5154	3856	2669	17148
1180 22 86PR221	5985	5351	4278	2988	18526
23 86PR231	5566	5370	4097	2865	17898
24 86PV811	5996	4900	4124	2930	17990
25 86PV821	5685	5218	4393	3147	18443
26 86PV831	6098	5313	4232	3062	18704
27 86PV841	5744	5265	4110	3003	18123
28 86PV851	5287	4859	4104	2901	17151
29 86PV861	5615	5195	4124	3054	17986
1189 30 86SV821	5765 = YAM84	5155	4332	2996	18171
1006 APICA	6249	5362	3922	2546	18079
1011 CITATION	5910	4724	4124	2698	17455
9002 DK120	5851	4962	4090	3242	18146
1039 EXCALIBUR	5559	5043	4614	3075	18292
9004 IROQUOIS	5840	5155	3868	2553	17417
1001 SARANAC	5803	5075	4259	2944	18080
9012 VERNAL	5040	3783	3728	2677	15226
1113 XAR 53	5507	5018	4284	2967	17778
1117 YAF 62	5631	4971	4205	3141	17947
MEAN	5741	5103	4144	2996	17984
STD	476	644	425	411	1524
CV	8	13	10	14	8

See 89 data.
— Pioneer 6 file

Alfalfa performance trial (Saranac-type fall dormancy), seeded
1985, harvested 1988, New Liskeard

Cultivar	Yield (kg/ha)		Total
	Cut 1 June 14	Cut 2 July 19	
1003 Anchor	4353	3752	8105
1025 Vista	4231	3834	8065
1009 Blazer	4250	3657	7897
1015 Pacer	4283	3579	7862
1016 Peak	4253	3599	7852
1039 Excalibur	4004	3705	7710
1006 Apica	4183	3527	7710
1030 Armor	4133	3557	7690
1021 Thor	4122	3541	7663
1017 532	4288	3367	7655
1004 Angus	4303	3285	7588
1001 Saranac	3926	3567	7493
1011 Citation	4143	3310	7453
1018 Primal	3978	3390	7368
1019 Regal	3966	3370	7336
1032 Acclaim	4055	3327	7332
1013 130	3853	3448	7301
1014 Hunter	3960	3318	7301
1024 Turbo	4001	3266	7267
1033 Preserve	3904	3355	7259
1012 Classic	3921	3248	7169
1047 Apollo II	3915	3240	7155
1023 Trumpetor	3934	3214	7148
1040 DK-135	3779	3323	7102
1010 Ceres	3921	3156	7077
1028 Alouette	3781	3291	7072
1022 Trident	3717	3240	6957
1020 Spectrum	3764	3141	6905
1007 Apollo	3796	3105	6901
1005 Answer	3739	3143	6882
1048 WL316	3641	3182	6824
HARV MEANS	4001	3388	7390
LSD (.05)	132	114	208
CV	6.2	6.4	5.3

Alfalfa performance trial (Iroquois-type fall dormancy), seeded
1985, harvested 1988, New Liskeard

Cultivar	Yield (kg/ha)		Total
	Cut 1 June 13	Cut 2 July 19	
9001 Algonquin	4458	3654	8112
9020 Drummor	4355	3675	8030
9016 MLM02042	4492	3516	8008
9013 WL215	4473	3481	7954
9010 Titan	4249	3456	7705
9003 Glory	4216	3475	7691
9008 524	4340	3335	4675
9014 Weevilcheck	4152	3386	7538
9004 Iroquois	4056	3401	7457
9005 Magnum	3976	3435	7411
9015 Thunder	4106	3263	7369
9006 OAC Minto	3874	3451	7325
9012 Vernal	4033	3235	7268
9009 526	3872	3380	7252
9002 120	3838	3391	7229
9011 Valor	3829	3197	7026
HARV MEANS	4145	3421	7566
LSD (.05)	297	209	450
CV	9.2	7.7	7.7

Expt. 7170 Alfalfa performance trial, seeded 1985, harvested 1988, Thunder Bay, Persistence data

Cultivar	Mean Yield (kg/ha)	
	% of checks	
9001 Algonquin	2448	91<
9002 120	2673	99
9003 Glory	2428	90<
9004 Iroquois	2712	101
9005 Magnum	2582	96
9006 OAC Minto	2775	103
9008 524	1726	64<
9009 526	2860	106
9010 Titan	2474	92<
9011 Valor	2622	97
9012 Vernal	2587	96
9013 WL 215	2424	90<
9014 Weevilchek	2388	89<
9015 Thunder	2372	88<
9016 MLM 02042	2550	95
9020 Drummor	2298	85<
Check average	2693	

**Expt. 1107 Alfalfa performance trial (Saranac-type fall dormancy), seeded
1986, harvested 1988, Ridgetown**

Cultivar	yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 Saranac	4600	2131	6730
1003 Anchor	4909	2743	7652
1004 Angus	4766	2274	7040
1005 Answer	5006	2717	7724
1006 Apica	5212	2634	7847
1009 Blazer	5174	2182	7356
1010 Ceres	4351	2654	7004
1011 Citation	5680	2305	7985
1012 Classic	4849	2178	7027
1013 130	4886	2433	7319
1014 Hunter	4890	2627	7517
1015 Pacer	5034	2611	7645
1016 Peak	4849	3000	7849
1017 532	5231	2517	7747
1018 Primal	4521	2334	6855
1019 Regal	4474	2640	7114
1020 Spectrum	5132	2461	7593
1021 Thor	4916	2227	7143
1022 Trident	4930	2841	7771
1023 Trumpetor	4511	2029	6540
1024 Turbo	4970	2732	7702
1025 Vista	4615	2685	7299
1028 Alouette	5020	2521	7541
1030 Armor	4524	2643	7166
1032 Acclaim	4514	3007	7521
1033 Preserve	5056	2499	7556
1039 Excalibur	4807	2478	7285
1040 DK-135	4671	2441	7111
1047 Apollo 11	4759	2753	7511
1048 WL 316	4980	2361	7340
1052 Husky	5347	2556	7903
1053 Eagle	4872	2678	7550
1056 88	4959	3006	7965
1057 Admiral	4974	3118	8092
Harv means	4882	2559	7441
CV %	7.1	16.6	7.5
LSD (5%)	473.6	580.0	757.8

Alfalfa performance trial (Iroquois-type fall dormancy), seeded
1986, harvested 1988, Elora

Cultivar	Mean Yield (kg/ha)			Total
	Cut 1	Cut 2	Cut 3	
9001 Algonquin	5945	1673	2400	10017
9002 120	6867	2005	2400	11273
9003 Glory	7016	2621	2657	12295
9004 Iroquois	6806	2062	2522	11390
9005 Magnum	6174	2215	2670	11059
9006 OAC Minto	6757	2260	2618	11635
9008 524	6561	1648	2503	10712
9009 526	7222	2138	2611	11971
9010 Titan	5671	1395	2504	9570
9011 Valor	6788	1957	2739	11484
9012 Vernal	5703	1497	2308	9508
9014 Weevilchek	6026	1729	2510	10266
9015 Thunder	6279	1689	2509	10477
9018 WL 222	6962	1929	2494	11385
9020 Drummor	5831	1637	2526	9994
9032 Ambassador	6675	2578	2742	11994
HARV MEANS	6455	1940	2545	10939
CV %	9.7	18.5	7.5	8.8
LSD (5%)	871.4	496.2	265.9	1328.4

Expt. 3003 Alfalfa performance trial (Iroquois-type fall dormancy), seeded
1986, harvested 1988, Kemptville

Cultivar	yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
9001 Algonquin	3910	3038	2167	9116
9002 120	4761	3377	2510	10648
9003 Glory	4348	3081	2211	9639
9004 Iroquois	4673	3544	2008	10225
9005 Magnum	4656	3491	2241	10388
9006 OAC Minto	4869	3751	2352	10973
9008 524	3667	2758	1892	8317
9009 526	5155	3727	2358	11240
9010 Titan	4379	3319	2008	9706
9011 Valor	4298	3180	2176	9654
9012 Vernal	4400	2877	1867	9144
9014 Weevlchek	3488	3058	1862	8409
9015 Thunder	4127	3178	2238	9544
9018 WL 222	4401	3521	2147	10070
9020 Drummor	3313	3007	1876	8197
9032 Ambassador	4109	3281	2446	9835
Harv means	4285	3262	2148	9694
CV %	8.7	8.5	16.7	7.9
LSD (5%)	445.6	330.4	427.0	915.7

Expt. 7181 Alfalfa performance trial (Iroquois-type fall dormancy) seeded
1986, harvested 1988, Thunder Bay

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
9001 Algonquin	2623	1907	4530
9002 120	2341	1983	4324
9003 Glory	2379	2047	4426
9004 Iroquois	2709	1721	4430
9005 Magnum	2246	2273	4519
9006 OAC Minto	2803	1888	4691
9008 524	1642	1537	3178
9009 526	2552	2037	4589
9010 Tital	2414	1966	4380
9011 Valor	2270	1967	4237
9012 Vernal	2248	1888	4136
9014 Weevlchek	2302	1935	4237
9015 Thunder	2249	1719	3968
9018 WL 222	2668	1913	4581
9020 Drummor	1902	1821	3723
9032 Ambassador	2145	1781	3926
HARV MEANS	2343	1899	4242
CV %	13.4	11.1	9.6
LSD (5%)	372.7	250.3	486.8

Alfalfa performance trial A, seeded 1987, harvested 1988, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 Saranac	8031	3619	3893	15543
1011 Citation	7470	2778	3390	13638
1016 Peak	8003	3457	3672	15131
1023 Trumpetor	7932	3406	3501	14839
1024 Turbo	8301	3220	3359	14879
1028 Alouette	8314	3444	3568	15327
1030 Armor	8192	3074	3313	14579
1032 Acclaim	8705	3646	3697	16049
1033 Preserve	7876	3446	3930	15251
1039 Excalibur	8516	4024	3808	16348
1040 DK-135	8181	3730	3640	15552
1047 Apollo II	8165	3441	3639	15245
1048 WL 316	7666	3548	3566	14780
1052 Husky	8565	3586	3447	15598
1053 Eagle	7919	3291	3509	14720
1055 Advance	8695	3859	4024	16577
1056 88	8444	3431	3845	15720
1057 Admiral	8074	3450	3532	15057
1058 Endure	8080	3499	3737	15316
1067 Crusader	8168	3825	3690	15683
1074 Arrow	8151	3797	3567	15515
1075 Maxim	7427	3134	3645	14205
1078 Edge	7687	3728	3962	15378
9002 120	8274	3387	3763	15424
9004 Iroquois	7467	3687	3683	14837
HARV MEANS	8092	3500	3655	15248
CV %	9.6	17.2	7.5	8.3
LSD (5%)	922.3	711.9	325.7	1491.8

Expt. 6472-88 Alfalfa medium performance trial, seeded 1987, harvested 1988,
Kapuskasing, Persistence data

Cultivar	Yield (kg/ha)			Yield % of checks
	Cut 1	Cut 2	Total	
Valor	2475	2149	4624	89<
Vernal	2438	2211	4649	90<
Glory	2938	2669	5807	112
WL-222	3352	2707	6118	118
Algonquin	3087	2332	5419	105
Thunder	2291	1750	4040	78<
Excaliber	2594	2103	4697	91<
Oneida-VR	2855	2288	5121	99
120	2937	2496	5433	105
Weevilchek	2414	2066	4480	87<
OAC-Minto	3235	2149	5384	104
Magnum	2494	1992	4486	87<
Mohawk	2674	2404	5078	98
Titan	2666	2411	5077	98
Drumcor	2118	2351	4470	86<
Saranac	2838	2172	5010	97
524	1754	1774	3528	68<
526	2352	1692	4045	78<
Ambassador	1977	1924	3901	75<
Noble	2003	1874	3676	71<
Citation	2621	1900	4521	87<
Iroquois	3075	1846	4921	95
HARV MEAN	2599	2141	4740	
CV	25.5	26.1	23.6	
LSD (5%)				

Expt. 6494-88 Alfalfa performance trial B, seeded 1987, harvested 1988,
Kapuskasing, Persistence data

Cultivar	Yield (kg/ha)			
	Cut 1	Cut 2	Total	Yield % of checks
Iroquois	3629	1833	5462	94
Regal	3369	2622	5991	103
Thor	3367	2505	5872	101
120	3826	2829	6666	114
Excalibur	3008	2889	5897	101
Citation	3197	2576	5773	99
Vista	3083	2607	5690	98
Saranac	3018	2299	5317	91<
Blazer	3281	2542	5823	100
Pacer	3282	2509	5792	99
Angus	3615	2463	6078	104
Primal	3014	2581	5595	96
Apica	3312	2622	5934	102
Classic	3125	2761	5886	101
Hunter	2709	2623	5332	91<
Ceres	3176	2598	5775	99
Spectrum	3192	2596	5788	99
532	3240	2540	5780	99
Trident	2688	1895	4584	79<
Anchor	3596	2151	5747	98
HARV MEAN	3236	2502	5738	
CV	11.8	10.6	9.1	
LSD (5%)	541	375	736	

Alfalfa performance trial (Iroquois-type fall dormancy), seeded
1987, harvested 1988, New Liskeard

Variety	Yield (kg/ha)		Total Yield
	Cut 1 June 21	Cut 2 July 22	
9020 Drummor	5621	3654	9275
9032 Ambassador	5850	3228	9078
9009 526	5862	3053	8915
9002 120	5781	3042	8823
1039 Excalibur	5967	2818	8785
9005 Magnum	5695	3085	8780
9011 Valor	5752	2983	8735
1001 Saranac	5673	3060	8733
9015 Thunder	5844	2876	8720
9018 WL222	5811	2899	8710
1011 Citation	5866	2813	8679
9027 Noble	5564	3064	8628
9001 Algonquin	5639	2962	8601
9041 Oneida VR	5549	3011	8560
9040 Mohawk	5493	3057	8550
9012 Vernal	5669	2818	8487
9014 Weevilcheck	5600	2793	8393
9010 Titan	5558	2771	8329
9003 Glory	5467	2837	8304
9008 524	5399	2864	8263
9004 Iroquois	5358	2881	8239
9006 OAC Minto	5215	2914	8129
HARV MEANS	5646.8	2976.5	8623.3
LSD (.05)	153.5	198.5	253.6
CV	4.3	10.4	4.6

Alfalfa performance trial A, seeded 1987, harvested 1988, New
Liskeard

Cultivar	Yield (kg/ha)		Total
	Cut 1 June 20	Cut 2 July 21	
1039 Excalibur	5562	2872	8434
1055 Advance	5549	2762	8311
1078 Edge	5513	2724	8237
1056 88	5362	2866	8228
1024 Turbo	5357	2847	8204
1052 Husky	5465	2721	8186
1011 Citation	5473	2710	8183
1075 Maxim	5396	2732	8128
1033 Preserve	5442	2685	8127
1016 Peak	5370	2755	8125
1028 Alouette	5403	2694	8097
1040 DK135	5298	2767	8065
1001 Saranac	5241	2755	7996
1047 Apollo II	5403	2694	8097
1048 WL 316	5283	2709	7992
1074 Arrow	5260	2730	7990
1067 Crusader	5304	2676	7980
1030 Armor	5225	2755	7980
9002 120	5196	2777	7973
9004 Iroquois	5247	2714	7961
1057 Admiral	5230	2716	7946
1058 Endure	5220	2707	7927
1023 Trumpetor	5290	2593	7883
1053 Eagle	5212	2669	7881
1032 Acclaim	5055	2712	7767
HARV MEANS	5321	2735	8056
LSD	119	77	138
CV	3.8	4.7	2.9

Alfalfa performance test B, seeded 1987, harvested 1988, New
Liskeard

Variety	Yield (kg/ha)		Total Yield
	Cut 1 June 21	Cut 2 July 22	
1039 Excalibur	6057	2898	8955
1018 Primal	5872	2880	8752
9002 120	5953	2771	8724
1006 Apica	5899	2819	8718
1017 532	5865	2832	8697
1011 Citation	5822	2826	8648
1004 Angus	5983	2611	8594
1019 Regal	5779	2799	8578
1015 Pacer	5855	2736	8591
1012 Classic	5905	2605	8510
1021 Thor	5824	2667	8491
1025 Vista	5769	2716	8485
1014 Hunter	5579	2900	8479
1001 Saranac	5727	2734	8461
1009 Blazer	6123	2322	8445
1020 Spectrum	5681	2754	8435
1003 Anchor	5664	2754	8418
1022 Trident	5385	2812	8195
9004 Iroquois	5438	2572	8010
1010 Ceres	5315	2607	7922
HARV MEANS	5774.8	2730.8	8505.6
LSD (.05)	165.4	133.8	219.7
CV	4.2	7.2	3.8

Bacterial wilt test, 1988, Ottawa

Code Lines	Adjusted % R	DSI
1123 C95	67	0.88
1129 635	65	0.94
1128 533	64	0.75
1131 545	64	0.86
1126 623	64	0.94
1130 655	62	1.11
1125 AP8624	62	1.03
1138 Legend	59	1.03
1134 87749	59	1.15
1140 Lsc Vector	59	1.15
1132 NS881	58	1.20
1139 MS96	57	1.01
1122 C89	57	1.27
1124 AP8632	56	1.28
1146 LSC846	56	1.37
1117 XAF62	56	1.42
1133 87-A-89	55	1.32
1146 AP8620	54	1.35
1127 627	53	1.50
1136 87756	53	1.48
1145 AP41	52	1.35
1135 87754	51	1.52
1141 LSC845	50	1.50
1143 LSC847	48	1.48
1121 C87	48	1.71
1137 87745	47	1.54
1119 B852	43	1.89
1144 C268	43	1.68
9012 Vernal	42	2.20
1147 ISI567	39	2.01
1120 B853	36	2.36
1118 Sitel	16	3.31
1002 Du Puits	1	4.33
LSD (1-Tail at 10%)		0.31
CV (Anova)		39.15

Phytophthora root rot test, 1988, Ottawa

Code Line	Adjusted % R	DSI
1128 533	71	1.88
1022 Trident	71	2.03
1129 635	71	1.83
1131 545	70	1.87
1130 655	70	1.90
1123 C95	70	1.93
1127 627	70	1.90
1122 C89	70	1.95
1139 MS96	69	2.00
1133 87-A-89	69	2.00
1126 623	68	2.04
1117 XAF62	68	2.10
1132 NS881	67	1.95
1137 87745	67	2.07
1146 AP8620	66	2.19
1119 B852	66	2.05
1121 C87	64	2.28
1145 AP41	63	2.19
1134 87749	62	2.21
1142 LSC846	63	2.20
1136 87756	62	2.17
1138 Legend	62	2.13
1135 87754	61	2.20
1140 LSC Vector	60	2.25
1141 LSC845	58	2.31
1120 B853	57	2.36
1143 LSC847	54	2.42
1144 C268	49	2.55
1147 ISI567	44	2.84
1118 Sitel	37	3.00
1002 Du Puits	37	3.03
LSD (1-Tail at 10%)		0.31
CV (Anova)		35.2

BIRDSFOOT TREFOIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended Varieties

Empire Leo Upstart

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
7031	RC4SY2	U. of Guelph	Support for reg., defer (3)	-
7034	BT86-1	Pickseed	Support for reg., defer (1)	8

TREFOIL DELETIONS DATA 1988

	New Liskeard 86-88	% of Check
Leo	4838	100.0
Empire	5112	105.7
Upstart	4386	90.7

TREFOIL VARIETY TEST '86

A: TNL 86-88

New Liskeard College of Agricultural Technology

Harvest 1988

Mean Yield (Kg/ha)

CULTIVAR	CUT 1 June 16	CUT 2 July 21	TOTAL
BT86-1	3153	2032	7034 5186
EMPIRE	3247	1865	7003 5112
MAITLAND	3112	1964	7010 5074
LEO	3013	1825	7001 4838
VIKING	3037	1724	7004 4762
PS01004	2819	1566	7033 4386
MEANS	3063.3	1829.5	4893.0
L.S.D. .05	308.4 Kg/ha	128.8 Kg/ha	370.9 Kg/ha
L.S.D. .01	483.7 Kg/ha	202.0 Kg/ha	581.7 Kg/ha
C.V.	6.19%	4.33%	4.66%

TREFOIL PERSISTANCE - KEMPVILLE

Seeded 1986

Observed July 7, 1988

A: TKEMP 86-88

Cultivar	% Stand
Empire	7003 50
Maitland	7010 23
BT 86-1	7034 56
Leo	7001 51
Viking	7004 6
MLM01004	7033 43

1988 PICKSEED PRIVATE BIRDSFOOT TREFOIL A: TB86-88
 TRIAL, (T/ha), SEEDED 1986
 BLENHEIM

VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	kg/ha
LEO	5.710	1.583	1.789 7001	9.082	9082
UPSTART	5.163	1.688	1.527 7033	8.378	8378
79055	5.581	1.682	1.396 1	8.659	8659
BT86-1	5.525	1.871	1.551 7034	8.947	8947
01-1984-1	5.852	1.863	1.505 7038	9.221	9221
RC4	5.577	1.770	1.513 7031	8.860	8860
CV %	10.65	18.51	14.92	10.55	
l.s.d. (5%)	0.894	0.486	0.347	1.408	

1988 PICKSEED PRIVATE BIRDSFOOT TREFOIL
 TRIAL, BLENHEIM (T/ha), SEEDED 1987

A: TB87-88

VARIETY	CUT 2
BT 86-1 7034	2.449 2449
UPSTART 7033	1.803 1803
79055 1	1.924 1924
RC4 7031	2.005 2005
LEO 7001	2.430 2430
CV %	12.62
l.s.d. (5%)	0.413

1988 PERSISTENCE RATINGS ON PICKSEED
 PRIVATE BIRDSFOOT TREFOIL,
 ELMIRA, SEEDED 1986

(5=BEST, 1=POOREST)

A: TE86-88

VARIETY	RATING
01-1984-1 7038	4.5
RC4 7031	4.0
BT86-1 7034	3.0
79055 1	5.0
LEO 7001	3.0
UPSTART 7033	2.0

RED CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended Varieties

Arlington Atlas Florex Persist Prosper I

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
4040	Molly	Bonis	No support, testing complete	12
4041	Wll1	N.K.	No support, testing complete	14
4042	Wll3	N.K.	No support, testing complete	14
4043	Violetta	Oseco	No support, testing complete	12
4044	Reddy	U.C.O.	No support, testing complete	12
4045	Viola	Nemec	No support, testing complete	12
4048	03-1982-1	Pickseed	No support '88, re-examine '89	13
4049	Starglo	Oseco	No support '88, re-examine '89	11
4050	Marino	Pickseed	No support '88, re-examine '89	10
4051	Marcom	Nemec	No support '88, re-examine '89	7
4052	Lossam	Nemec	No support '88, re-examine '89	7
4053	CRS1	Charlottetown	No support '88, re-examine '89	7
4054	CRS2	Charlottetown		2
4055	WRC	Pickseed		2
4056	CRS 4	Charlottetown		0
4057	MSR 97	Mapleseed		0
4058	Lero	Nemec		0
4059	AP86 R-01	Oseco		0
4060	VS 454 W	Nemec		0
4061	VS 454 C	Nemec		0
4062	HK	Richardson		0
4063	Marathon	OFCC		0

RED CLOVER DELETIONS DATA 1988

	Ottawa 87-88	New Liskeard 85-88	New Liskeard 86-88	New Liskeard 87-88
Florex	12205	3948	4235	7398
Arlington	12425	3496	3902	7134
Lakeland	11706	3318	3613	6873
Prosper I	12928	4141	4665	7225
Persist	—	—	—	—

	Mean	% of Check
Florex	6947	100.0
Arlington	6739	97.0
Lakeland	6378	91.8
Prosper I	7240	104.2
Persist	—	No data

A-RCNW 86.88
A-RCNW 86.88

RED CLOVER VARIETY '86

New Liskeard College of Agricultural Technology

Harvesting 1988

Mean Yield (Kg/ha)

CULTIVAR	CUT 1 June 16	CUT 2 July 21	TOTAL
PROSPER 1	3428	1238	4027 4665
MARINO	3349	1225	4050 4578
FLOREX	3118	1117	4017 4235
ARLINGTON	2808	1094	4023 3902
W113	2636	1044	4042 3680
W111	2752	883	4041 3635
LAKELAND	2503	1111	4002 3613
REDDY	2229	1096	4044 3325
OTTAWA	2094	967	4003 3061
STARGLO	2051	967	4049 3018
CRS1	2065	733	4053 2798
VIOLA	1893	760	4045 2652
VIOLETTA	1441	988	4043 2429
03-1982-1	1283	840	4048 2123
LOSSAM	1387	723	4052 2110
MOLLY	1297	678	4040 1975
MARCOM	1123	634	4051 1757
MEANS	2203.3	947.1	3150.4
L.S.D. .05	247.2 Kg/ha	124.4 Kg/ha	348.1 Kg/ha
L.S.D. .01	340.5 Kg/ha	171.3 Kg/ha	468.3 Kg/ha
C.V.	14.97%	17.52%	14.74%

1988 PICKSEED PRIVATE RED CLOVER TRIAL,
 BLENHEIM (T/ha), SEEDED 1986

A:RCB 86.88

VARIETY	CUT 1	CUT 2	TOTAL	K ₃ /ha
WRC	5.008	0.783 4055	5.791	5791
MARINO	4.330	0.808 4050	5.138	5138
FLOREX	4.780	0.788 4017	5.568	5568
ALBATROS	3.345	0.834 1	4.178	4178
RENOVA	4.071	1.065 2	5.136	5136
CV %	9.77	19.04	10.76	
l.s.d. (5%)	0.648	0.253	0.855	
P816	TRACE			
415	TRACE			
03-1982-1	TRACE			

1988 PERSISTENCE RATINGS ON PICKSEED
 PRIVATE RED CLOVER, ELMIRA,
 SEEDED 1986

(5=BEST, 1=POOREST) A:RCB 86.88

VARIETY		RATING
FLOREX	4017	4.5
WRC	4055	4.5
RENOVA	1	3.5
MARINO	4050	3.5
ALBATROS	2	3.5
415	3	3.5
03-1982-1	4048	3.0
P816	4	2.0

New Liskeard College of Agricultural Technology

Harvested - 1988

Means - kg/ha

A:RCNL87.88

VARIETY	CUT 1 June 21	CUT 2 July 25		TOTAL
MARINO	5218	2288	4050	7506
WRC	5558	1884	4055	7442
FLOREX	5539	1859	4017	7398
CRS2	5222	2084	4054	7305
PROSPER I	5378	1847	4027	7225
ARLINGTON	5181	1954	4023	7134
LOSSAM	4849	2193	4052	7042
LAKELAND	5056	1817	4002	6873
CRS 1	4894	1862	4053	6756
STARGLO	4318	2028	4049	6346
HAMIDORI 4N	5080	1259	4047	6339
OTTAWA	4154	2025	4003	6179
03-1982-1	3845	1940	4048	5785
MARCOM	2879	1354	4051	4233
MEAN	4798.0	1885.4		6683.4
LSD .05	174.3 Kg/ha	212.7 Kg/ha		301.3 Kg/ha
LSD .01	242.9 Kg/ha	296.4 Kg/ha		419.9 Kg/ha
C.V.	4.29%	13.32%		5.32%

PERSISTANCE NOTES THUNDER BAY
Red Clover Recorded June 10, 1988

A:RCTB86.88

Seeded

Enter these as two
separate tests

Variety	1986	1987
Lakeland	4002 56	63
Ottawa	4003 53	54
Florex	4017 81	85
Arlington	4023 65	53
Prosper I	4027 74	76
Molly	4040 63	
W111	4041 70	
W113	4042 64	
Violetta	4043 45	
Reddy	4044 78	
Viola	4045 76	
03-1982-1	4048 54	53
Starglo	4049 65	64
Marino	4055 74	56
Marcom	4051 45	34
Lossam	4052 60	55
CRS1	4053 78	73
Hamidori	4047	59
CRS-2	4054	69
WRC	4055	74

A:RCTB87.88

OTTAWA
RED CLOVER VARIETY TRIAL
Seeded 1987 - Harvested 1988

A: RC 087.88

Cultivar	Code	Cut 1	Cut 2	Cut 3	Total
Lakeland	4002	5776	2787	3142	11706
Ottawa	4003	5590	3047	3038	11595
Florex	4017	6272	2878	3055	12205
Arlington	4023	6140	3064	3220	12425
Prosper-1	4027	6289	3427	3211	12928
Hamidori	4047	6205	2202	2577	10985
03-1982-1	4048	5055	2819	2616	10491
Starglo	4049	5925	2999	3305	12230
Marino	4050	5251	3036	2331	10619
Marcom	4051	5961	2820	2084	10866
Lossam	4052	5297	2745	1865	9908
CRS-1	4053	6175	3203	2985	12363
CRS-2	4054	6013	3630	3541	13184
WRC	4055	6411	2479	3352	12243
CV 5%		13.2	19.2	10.9	9.9

RED CLOVER VARIETY TEST 85

New Liskeard College of Agricultural Technology

Harvested - 1988

A: RC NL 85.88

Means - Kg/ha

CULTIVAR	CUT 1 June 14	CUT 2 July 25	TOTAL YIELD	
OT 83-1	2602	2174	4039	4776
PROSPER 1	2442	1698.	4027	4141
W113	2406	1682	4042	4089
FLOREX	2247	1701	4017	3948
WILL	2332	1358	4041	3690
REDDY	2072	1576	4044	3648
ARLINGTON	2072	1424	4023	3496
STARGLO	1877	1548	4049	3425
LAKELAND	1967	1351	4002	3318
OTTAWA	1874	1436	4003	3310
VIOLETTA	1301	1199	4043	2500
HAMIDORI 4N	1552	743	4047	2295
03-1982-1	1319	939	4048	2259
HAMIDORI 2N	1410	776	4046	2186
VIOLA	1126	707	4045	1833
MOLLY	929	502	4040	1431
BCH60384	719	559	4038	1277
MEANS	1779.2	1257.3	3036.5	
L.S.D. .05	145.6 Kg/ha	142.9 Kg/ha	261.4 Kg/ha	
L.S.D. .01	200.6 Kg/ha	196.8 Kg/ha	360.0 Kg/ha	
C.V.	10.92%	15.16%	11.48%	

PICKSEED PRIVATE TRIAL
 BLENHEIM RED CLOVER REVISED
 1987 MEAN YIELD (T/ha)

A:RCBRE87

VARIETY	CUT 1	CUT 2	TOTAL
Florex	6.844	2.336	4017 9.180
Marino	6.585	2.143	4050 8.728
03-1982-1	6.400	1.978	4048 8.378
WRC	7.035	2.585	4055 9.621
P816	6.135	1.606	1 7.740
Albatros	6.115	1.873	2 7.789
415	6.491	2.389	3 8.880
Renova	5.592	2.053	4 7.645
CV (%)	4.36	13.47	5.17
LSD (5%)	0.455	0.467	0.718

PICKSEED PRIVATE TRIAL
 ELMIRA RED CLOVER REVISED
 1987 MEAN YIELD (T/ha)

A:RCELMRE87

VARIETY	CUT 1	CUT 2	CUT 3	TOTAL
Florex	5.144	2.503	3.734	4017 11.381
Marino	4.930	2.867	3.179	4050 10.975
03-1982-1	4.854	3.097	3.639	4048 11.590
WRC	5.243	2.519	3.848	4055 11.610
P816	4.856	2.701	3.641	1 11.197
Albatros	4.669	2.888	3.360	2 10.917
415	4.493	2.682	3.435	3 10.610
Renova	4.244	3.177	3.767	4 11.188
CV (%)	7.07	7.56	5.07	5.13
LSD (5%)	0.553	0.346	0.296	0.937

ONTARIO FORAGE CROP COMMITTEE
 1986 RED CLOVER REVISED
 4 STATION MEAN (kg/ha)
 1987 HARVEST

CODE	VARIETY	KEMPTVILLE	OTTAWA	THUNDER BAY	NEW LISKEARD	MEAN
4002	Lakeland	7345	8201	4776	6893	6804
4003	Ottawa	7119	8346	4247	7470	6796
4017	Florex	8154	7825	5366	7422	7192
4023	Arlington	6969	8450	4130	7450	6750
4027	Prosper 1	7748	8234	4703	8554	7310
4040	Molly	8061	7964	4905	7401	7083
4041	W111	7315	8341	4291	7302	6812
4042	W113	7611	8258	4816	7329	7004
4043	Violetta	7595	9091	3526	7147	6840
4044	Reddy	7449	8188	4744	7931	7078
4045	Viola	8016	8521	4485	6585	6902
4048	03-1982-1	6741	8005	3367	7098	6303
4049	Starglo	7341	7986	4400	8183	6978
4050	Marino	7589	8831	5354	6630	7101
4051	Marcom	7287	9149	3330	8033	6950
4052	Lossam	8054	8829	4792	6680	7089
4053	CRS 1	7462	8869	4332	5382	6511

BROME GRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended Varieties

Baylor	Beacon	Bravo	Saratoga	Tempo
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Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
2044	Ott-XBC 2	Ottawa		3
2045	Ott-XBC 4	Ottawa		3
2046	Kesto	Speare		0
2047	PXBD 01	Ottawa		0

ONTARIO FORAGE CROP COMMITTEE
1987 BROMEGRASS
3 STATION MEAN YIELD (kg/ha)

VARIETY	CODE	OTTAWA	KAP	TBAY	MEAN
BAYLOR	2001	7325	8679	6785	7330
SARATOGA	2002	8203	8512	7321	8012
BLAIR	2012	6954	8275	7523	7584
TEMPO	2024	6501	8444	7282	7409
BEACON	2027	7608	9289	7350	8082
BRAVO	2039	6960	7788	7217	7322
PXBC2	2044	6652	8089	6877	7206
PXBC4	2045	5287	7240	6640	6389

EXPT.4387

ONTARIO FORAGE CROP COMMITTEE

1987 OTTAWA BROMEGRASS

1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
BAYLOR	2001	5144	2181	7325	3663
SARATOGA	2002	5993	2209	8203	4102
BLAIR	2012	5266	1688	6954	3477
TEMPO	2024	4675	1826	6501	3251
BEACON	2027	5706	1902	7608	3804
BRAVO	2039	5145	1815	6960	3480
PXBC2	2044	4436	2216	6652	3326
PXBC4	2045	3830	1457	5287	2644
MEAN		5024	1912	6936	
CV. (%)		11.0	26.0	11.1	

EXPT.6015 ONTARIO FORAGE CROP COMMITTEE
 1987 KAPUSKASING BROMEGRASS
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
BAYLOR	2001	4040	4639	8679	4340
SARATOGA	2002	3920	4592	8512	4256
BLAIR	2012	4157	4118	8275	4140
TEMPO	2024	4216	4228	8444	4222
BEACON	2027	4337	4952	9289	4643
BRAVO	2039	3717	4071	7788	3894
PXBC2	2044	3648	4441	8089	4045
PXBC4	2045	3479	3761	7240	3620
MEAN		3938	4350	8289	
CV. (%)		12.6	9.6	10.5	

EXPT.7187

ONTARIO FORAGE CROP COMMITTEE
 1987 THUNDER BAY BROMEGRASS
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
BAYLOR	2001	4803	1983	6785	3393
SARATOGA	2002	5042	2279	7321	3661
BLAIR	2012	5363	2160	7523	3762
TEMPO	2024	5093	2190	7282	3641
BEACON	2027	5160	2190	7350	3675
BRAVO	2039	5057	2160	7217	3609
PXBC2	2044	4835	2042	6877	3439
PXBC4	2045	4628	2012	6640	3320
MEAN		4997	2127	7124	
CV. (%)		7.9	7.2	6.2	

ORCHARD GRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended Varieties

Hallmark	Kay	Rancho	Rapido	Sumas
Juno	Napier			

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station</u>	<u>Year of Data</u>
3064	K8-122	N.K.	Dropped at Co. request	-	
3065	OAC 84-117	U. of Guelph	Dropped at Co. request	-	
3067	OAC 84-118	U. of Guelph	Dropped at Co. request	-	
3070	SF 8501	St. Foy	No support '88, re-examine '89	9	
3071	Pacific	Oseco		4	
3072	DS 7	Parsons		4	
3073	OSG 13	U. of Guelph		0	
3074	OSG 16	U. of Guelph		0	
3075	Syn 8501	U.C.O.		0	
3076	Mobite	Parsons		0	
3077	Justus	Richardson		0	
3078	PXOD 01	Ottawa		0	

ONTARIO FORAGE CROP COMMITTEE
SUMMARY OF ORCHARDGRASS VARIETIES
ELIGIBLE FOR RECOMENDATION 1988

VARIETY	CODE	EARLY 1986 SEEDING		
		OTTAWA		KAP.
		1987	1988	1988
HALLMARK	3027	8726	8540	8123
SF 8501	3070	8043	7589	7337

VARIETY	CODE	THUNDER BAY	
		1987	1988
HALLMARK	3027	3828	3241
SF 8501	3070	5655	4656

VARIETY	CODE	1987 SEEDING		
		GUELPH	OTTAWA	KAP.
HALLMARK	3027	11961	6078	6569
SF 8501	3070	10467	5208	6195

VARIETY	CODE	NEW LISKEARD	9 STATION YEAR MEAN
HALLMARK	3027	5810	6986
SF 8501	3070	6359	6834

VARIETY	CODE	1987 SEEDING		
		GUELPH	OTTAWA	KAP.
HALLMARK	3027	11961	6078	6568
PACIFIC	3071	10647	5195	6617
DS-7	3072	10977	5743	7090

VARIETY	CODE	NEW LISKEARD	4 STATION MEAN
HALLMARK	3027	5810	7604
PACIFIC	3071	5929	7097
DS-7	3072	6264	7519

ONTARIO FORAGE CROP COMMITTEE
1986 ORCHARDGRASS
STATION MEAN YIELD (kg/ha)

VARIETY	CODE	OTTAWA		KAPUSKASING
		1987 TOTAL	1988 TOTAL	1988 TOTAL
JUNO	3001	8522	7794	7837
KAY	3003	8780	8444	7744
NAPIER	3009	9231	8052	7766
INA	3024	7623	8304	7715
HALLMARK	3027	8726	8540	8123
SUMAS	3046	8275	7932	8143
84-117	3065	8315	8107	7891
84-118	3067	8913	8546	7929
14-78-3	3068	8199	8701	8023
RANCHO	3069	8221	8588	7490
SF 8501	3070	8043	7589	7337

VARIETY	CODE	THUNDER BAY		5
		1987 TOTAL	1988 TOTAL	STATION YR. MEAN
JUNO	3001	5227	4199	6716
KAY	3003	5460	4878	7061
NAPIER	3009	4415	3830	6659
INA	3024	4789	3999	6486
HALLMARK	3027	3828	3241	6492
SUMAS	3046	4845	3917	6622
84-117	3065	5021	3793	6625
84-118	3067	4870	4169	6885
14-78-3	3068	5334	4714	6994
RANCHO	3069	4849	4413	6712
SF 8501	3070	5655	4656	6656

ONTARIO FORAGE CROP COMMITTEE
1987 ORCHARDGRASS
4 STATION MEAN YIELD (kg/ha)

VARIETY	CODE	GUELPH 1988 TOTAL	OTTAWA 1988 TOTAL	KAPUSKASING 1988 TOTAL
JUNO	3001	11103	6565	7269
KAY	3003	11552	5289	7158
NAPIER	3009	10937	5808	6752
HALLMARK	3027	11961	6078	6568
SUMAS	3046	10859	5873	7176
RANCHO	3069	10977	5807	6959
SF 8501	3070	10467	5208	6195
PACIFIC	3071	10647	5195	6617
DS-7	3072	10977	5743	7090
OSG-13	3073	11452	5852	6826
OSG-16	3074	11291	4443	7436

VARIETY	CODE	NEW LISEARD 1988 TOTAL	4 STATION MEAN
JUNO	3001	6355	7823
KAY	3003	6758	7689
NAPIER	3009	6540	7509
HALLMARK	3027	5810	7604
SUMAS	3046	6607	7629
RANCHO	3069	6786	7632
SF 8501	3070	6359	7057
PACIFIC	3071	5929	7097
DS-7	3072	6264	7519
OSG-13	3073	6528	7675
OSG-16	3074	6569	7435

EXPT. 4186

ONTARIO FORAGE CROP COMMITTEE

1986 OTTAWA ORCHARDGRASS

2 YEAR MEAN YIELD (kg/ha)

VARIETY	CODE	1987 CUT 1	1987 CUT 2	1987 TOTAL
JUNO	3001	4957	3565	8522
KAY	3003	4928	3852	8780
NAPIER	3009	5077	4154	9231
INA	3024	3945	3678	7623
HALLMARK	3027	5020	3706	8726
SUMAS	3046	5068	3207	8275
84-117	3065	4852	3462	8315
84-118	3067	5579	3334	8913
14-78-3	3068	4731	3467	8199
RANCHO	3069	4211	4010	8221
SF 8501	3070	4600	3443	8043
MEAN		4927	3710	8844
CV (5%)		12.0	9.6	7.2

VARIETY	CODE	1988 CUT 1	1988 CUT 2	1988 TOTAL	2 YR. MEAN
JUNO	3001	4068	3726	7794	8158
KAY	3003	4203	4241	8444	8612
NAPIER	3009	4149	3903	8052	8642
INA	3024	3825	4478	8304	7964
HALLMARK	3027	3800	4740	8540	8633
SUMAS	3046	3887	4045	7932	6160
84-117	3065	4214	3893	8107	8211
84-118	3067	4575	3971	8546	8730
14-78-3	3068	4337	4364	8701	8450
RANCHO	3069	4342	4246	8588	8405
SF 8501	3070	3847	3742	7589	7812
MEAN		4113	4123	8236	
CV (5%)		11.8	15.4	11.5	

EXPT 6094

ONTARIO FORAGE CROP COMMITTEE
 1986 KAPUSKASING ORCHARDGRASS
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
JUNO	3001	3587	4250	7837	3919
KAY	3003	3460	4284	7744	3872
NAPIER	3009	3678	4088	7766	3883
INA	3024	3296	4419	7715	3858
HALLMARK	3027	3743	4380	8123	4062
SUMAS	3046	3683	4460	8143	4072
84-117	3065	3696	4195	7891	3946
84-118	3067	3942	4380	7929	3965
14-78-3	3068	3898	4125	8023	4012
RANCHO	3069	3455	4035	7490	3745
SF 8501	3070	3445	3892	7337	3669
MEAN		3626	4192	7818	
C.V. %		9.6	6.5	6.0	

EXPT 7182

 ONTARIO FORAGE CROP COMMITTEE
 1986 THUNDERBAY ORCHARDGRASS
 2 YEAR MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1 1987	CUT 2 1987	TOTAL 1987
JUNO	3001	3566	1661	5227
KAY	3003	3678	1782	5460
NAPIER	3009	2723	1669	4415
INA	3024	3104	1685	4789
HALLMARK	3027	2381	1447	3828
SUMAS	3046	3319	1526	4845
84-117	3065	3219	1802	5021
84-118	3067	3188	1682	4870
14-78-3	3068	3324	2010	5334
RANCHO	3069	3062	1786	4849
SF 8501	3070	4183	1472	5655
MEAN		3250	1686	4936
C.V. %		10.4	11.8	8.4

VARIETY	CODE	CUT 1 1988	CUT 2 1988	TOTAL 1988	2 YR. MEAN
JUNO	3001	2312	1868	4199	4713
KAY	3003	2686	2192	4878	5169
NAPIER	3009	1916	1914	3830	4123
INA	3024	1863	2136	3999	4394
HALLMARK	3027	1438	1803	3241	3535
SUMAS	3046	2003	1914	3917	4381
84-117	3065	1962	1831	3793	4407
84-118	3067	2310	1859	4169	4520
14-78-3	3068	2328	2386	4714	5024
RANCHO	3069	2194	2219	4413	4631
SF 8501	3070	2631	2025	4656	5156
MEAN		2149	2015	4164	
C.V. %		12.4	8.7	8.2	

EXPT 2625

 ONTARIO FORAGE CROP COMMITTEE
 1987 GUELPH ORCHARDGRASS
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
JUNO	3001	7196	3907	11103	5552
KAY	3003	7554	3997	11552	5776
NAPIER	3009	6894	4043	10937	5469
HALLMARK	3027	7589	4372	11961	5981
SUMAS	3046	6886	3973	10859	5430
RANCHO	3069	6679	4297	10977	5489
SF 8501	3070	6798	3669	10467	5234
PACIFIC	3071	6656	3991	10647	5324
DS-7	3072	7026	3951	10977	5489
OSG-13	3073	7255	4197	11452	5726
OSG-16	3074	7505	3786	11291	5646
MEAN		7094	4017	11111	
C.V. %		9.6	7.5	7.6	

EXPT 4187

 ONTARIO FORAGE CROP COMMITTEE
 1987 OTTAWA ORCHARDGRASS
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
JUNO	3001	3266	3299	6565	3283
KAY	3003	3036	2253	5289	2645
NAPIER	3009	2822	2985	5808	2904
HALLMARK	3027	2618	3460	6078	3039
SUMAS	3046	3401	2472	5873	2937
RANCHO	3069	2822	2985	5807	2904
SF 8501	3070	2854	2355	5208	2604
PACIFIC	3071	2832	2363	5195	2598
DS-7	3072	2866	2877	5743	2872
OSG-13	3073	2886	2966	5852	2926
OSG-16	3074	2328	2115	4443	2222
MEAN		2884	2739	5624	
C.V. %		11.2	20.7	12.9	

EXPT 6096

ONTARIO FORAGE CROP COMMITTEE
 1987 KAPUSKASING ORCHARDGRASS
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
JUNO	3001	3616	3653	7269	3635
KAY	3003	3736	3422	7158	3579
NAPIER	3009	3127	3625	6752	3376
HALLMARK	3027	2977	3591	6568	3284
SUMAS	3046	3585	3591	7176	3588
RANCHO	3069	3293	3666	6959	3480
SF 8501	3070	2790	3405	6195	3098
PACIFIC	3071	3186	3431	6617	3309
DS-7	3072	3230	3860	7090	3545
OSG-13	3073	3321	3505	6826	3413
OSG-16	3074	3773	3663	7436	3718
MEAN		3331	3583	6914	
C.V.%		6.1	6.2	6.1	

ONTARIO FORAGE CROP COMMITTEE
 1987 NEW LISKEARD ORCHARDGRASS
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
JUNO	3001	4613	1742	6355	3174
KAY	3003	4854	1904	6758	3379
NAPIER	3009	4577	1963	6540	3270
HALLMARK	3027	3930	1880	5810	2905
SUMAS	3046	4489	2118	6607	3304
RANCHO	3069	4624	2162	6786	3393
SF 8501	3070	4501	1858	6359	3180
PACIFIC	3071	4166	1763	5929	2965
DS-7	3072	4305	1959	6264	3132
OSG-13	3073	4566	1962	6528	3264
OSG-16	3074	4736	1859	6569	3285
MEAN		4487	1925	6412	
C.V. %		6.1	8.9	5.8	

TALL FESCUE VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended Varieties

NONE

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
5516	Syn W	Coop		4
5517	Stef	Oseco		4
5518	Martin	Oseco		4
5519	Festorina	Oseco		4
5520	FA 293	Oseco		4
5521	FA 295	Parsons		4
5522	Syn A	Ottawa		4
5523	Courtenay	Parsons		0
5524	Fa 8CD	Oseco		0
5525	TF-I	Richardson		0

ONTARIO FORAGE CROP COMMITTEE
 1987 TALL FESCUE
 4 STATION MEAN YIELD (kg/ha)

VARIETY	CODE	OTTAWA	KAP.	THUNDER BAY
SYN W	5516	6522	7548	5570
STEF	5517	8311	8036	5794
MARTIN	5518	6592	7105	4520
FESTORINA	5519	7125	7578	4324
FA 293	5520	7850	6222	3707
FA 295	5521	6881	6749	3453
SYN A	5522	7216	7658	5822

VARIETY	CODE	NEW LISKEARD	4 STATION MEAN
SYN W	5516	6560	6550
STEF	5517	5502	6911
MARTIN	5518	5878	6024
FESTORINA	5519	6543	6393
FA 293	5520	5747	5882
FA 295	5521	6332	5854
SYN A	5522	5514	6553

EXPT.4587

ONTARIO FORAGE CROP COMMITTEE
 1987 OTTAWA TALL FESCUE
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
SYN W	5516	3140	3383	6522	3261
STEF	5517	5639	2672	8311	4156
MARTIN	5518	4658	1934	6592	3296
FESTORINA	5519	4330	2795	7125	3563
FA 293	5520	5264	2587	7850	3925
FA 295	5521	4756	2125	6881	3441
SYN A	5522	4436	2780	7216	3608
MEAN		4603	2611	7214	
CV (%)		15.6	21.3	13.3	

EXPT.6207 ONTARIO FORAGE CROP COMMITTEE
 1987 KAPUSKASING TALL FESCUE
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	CUT 3
SYN W	5516	2345	2299	2042
STEF	5517	2672	2618	2085
MARTIN	5518	2229	2087	1987
FESTORINA	5519	2309	2415	2121
FA 293	5520	1547	1909	1985
FA 295	5521	1637	2280	2181
SYN A	5522	2224	2742	2184
MEAN		2166	2336	2085
CV (%)		9.5	7.5	6.9

VARIETY	CODE	CUT 4	TOTAL	MEAN
SYN W	5516	662	7548	1887
STEF	5517	661	8036	2009
MARTIN	5518	802	7105	1776
FESTORINA	5519	723	7578	1895
FA 293	5520	761	6222	1556
FA 295	5521	651	6749	1687
SYN A	5522	508	7658	1915
MEAN		684	7271	
CV (%)		11.2	4.1	

EXPT.7186

ONTARIO FORAGE CROP COMMITTEE

1987 THUNDER BAY TALL FESCUE

1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
SYN W	5516	2871	2399	5570	2785
STEF	5517	2632	3162	5794	2899
MARTIN	5518	2557	1963	4520	2260
FESTORINA	5519	2307	2017	4324	2162
FA 293	5520	1798	1908	3707	1854
FA 295	5521	1654	1799	3453	1727
SYN A	5522	2442	3380	5822	2911
MEAN		2323	2376	4698	
CV (%)		10.5	6.9	7.4	

ONTARIO FORAGE CROP COMMITTEE
 1987 NEW LISKEARD TALL FESCUE
 1988 MEAN YIELD (kg/ha)

VARIETY	CODE	CUT 1	CUT 2	TOTAL	MEAN
SYN W	5516	4897	1663	6560	3280
STEF	5517	3737	1765	5502	2751
MARTIN	5518	4330	1548	5878	2939
FESTORINA	5519	4842	1701	6543	3272
FA 293	5520	4190	1557	5747	2874
FA 295	5521	4591	1740	6332	3166
SYN A	5522	3711	1803	5514	2757
MEAN		4328	1683	6011	
CV (%)		6.5	7.6	6.5	

TIMOTHY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended in Publication 296

Alexander	Champ	Itasca	Salvo	Toro
Argus	Climax	Mariposa	Timfor	Winmor
Basho	Glenmor	Richmond		

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
6087	81006	Pickseed	Support for reg., defer (3)	-
6093	81009	Pickseed	Support for reg., defer (2)	-
6094	Barliza	Oseco	No support, testing complete	11
6096	Alma	Oseco	No support, testing complete	11
6097	WWT118	Oseco		8
6098	TM85-1	Pickseed		8
6099	TM85-2	Pickseed		8
6100	Lirocco	Oseco		3
6101	Hokusen	Oseco		3
6102	Syn 5	UCO		3
6066	Mohawk	UCO		12
6103	PXTA 01	Ottawa		0
6104	PXTA 04	Ottawa		0
6105	PXTA 09	Ottawa		0

Expt. 8307 Timothy variety trial, seeded 1985, harvested 1987, New Liskeard

Entry		<u>yield (kg/ha)</u> cut 1
6093	81009	6740
6075	Winmor	6599
6090	Korpa	6383
6088	OttPX5	6360
6002	Climax	6308
6096	Alma	6158
6095	WWT100	6157
6092	81005	5915
6040	Timfor	5809
6094	Barliza	5759
6081	Mariposa	5623
6091	Tiller	5024
Mean		5603
CV(%)		6.2
LSD(5%)		416

Timothy registration trial, seeded 1986, harvested 1988,
Kapusksing

Code Entry	Yield kg/ha		Total
	Cut 1	Cut 2	
6095 WWT-100	5181	2723	7904
6097 WWT-118	4699	2726	7425
6040 Timfor	4564	2793	7357
6096 Alma	4391	2462	6853
6098 TM-85-1	4707	2991	7698
6002 Climax	5128	2598	7726
6094 Barliza	4614	2786	7399
6099 TM-85-2	4899	2540	7439
HARV MEAN	4773	2702	7475
CV	9.7	9.3	7.1

Timothy registration trial, seeded 1986, harvested 1988, Ottawa

Code Entry	Yield (kg/ha)		Total
	Cut 1	Cut 2	
6002 Climax	4713	3177	7889
6040 Timfor	5797	4967	10764
6094 Barliza	4253	2847	7100
6095 WWT 100	5945	3379	9324
6096 Alma	5421	3815	9236
6097 WWT 118	5746	4951	10696
6099 TM 85-2	5352	4139	9490
6098 TM 85-1	4039	3260	7299
CV (5%)	19.2	11.8	12.1

Timothy registration trial, seeded 1987, harvested 1988,
Kapuskasing

Code Entry	Yield kg/ha		Total
	Cut 1	Cut 2	
6040 Timfor	4836	3392	8228
6100 Lirocco	4559	3416	7975
6066 Mohawk	4959	2881	7840
6099 TM85-2	4431	2211	6642
6102 Syn-3	5296	3150	8446
6101 Hokusen	3802	2392	6194
6098 TM85-1	5240	3575	8815
6097 WWT-118	4931	2552	7483
6002 Climax	4838	2959	7797
HARV MEAN	4766	2947	7713
CV	9.7	14.8	8.6

Timothy registration trial, seeded 1987, harvested 1988, Ottawa

Code Entry	Yield		Total
	Cut 1	Cut 2	
6002 Climax	3569	2236	5805
6040 Timfor	4069	2243	6312
6066 Mohawk	4219	2618	6837
6097 WWT 118	4297	2703	7000
6098 TM 85-1	4371	2402	6772
6099 TM 85-2	3891	2494	6385
6100 Lirocco	3683	2635	6318
6101 Hokusen	3782	3078	6859
6102 Syn-S	3666	3360	7026
CV (5%)	12.5	24.6	14.4

Expt. 2624 Timothy registration trial, seeded 1987, harvested 1988, Elora

Cultivar	Mean Yield (kg/ha)		Total
	Cut 1	Cut 2	
6002 Climax	9921	2654	12575
6040 Timfor	9430	2315	11745
6066 Mahawk	9085	2521	11606
6097 WWT 118	9885	2370	12256
6098 TM 85-1	8638	2314	10951
6099 TM 85-2	10325	2094	12419
6100 Lirocco	8773	2645	11418
6101 Hokusen	10109	2402	12511
6102 Syn S	9728	2404	12132
HARV MEANS	9544	2413	11957
CV %	6.4	10.9	5.8
LSD (5%)	743.9	318.1	839.8

Timothy performance trial, seeded 1987, harvested 1988,
Kapuskasing

Code Entry	Yield kg/ha		Total
	Cut 1	Cut 2	
6075 Winmor	4705	2498	7201
6037 Pronto	5194	2592	7786
6050 Richmond	4698	3311	8007
6040 Timfor	5328	3024	8352
6005 Champ	5084	3503	8587
6081 Mariposa	4816	3304	8120
6062 Salvo	4702	3081	7783
6030 Toro	4840	3373	8213
6002 Climax	5490	2763	8253
6026 Itasca	5019	3055	8074
6009 Basho	5161	3051	8212
6086 Alexander	4594	3155	7749
HARV MEAN	4969	3059	8028
CV	9.9	7.5	6.8

MEADOW FOXTAIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended in Publication 296

Dan

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
5503	82008 (Mountain)	Pickseed	Registered, defer (3)	-
5504	G4549	OFCC	Supported for reg., defer (3)	-
5507	G4554	OFCC	Supported for reg., defer (3)	-
5508	G4550	OFCC	Supported for reg., defer (2)	-

WHITE CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1989

Recommended Varieties

California Ladino

Merit

Sacramento

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
8009	Crown	Nemec	Support for reg., defer (3)	-
8010	Canopy	Nemec	Support for reg., defer (3)	-
8011	Sonja	Oseco		0
8012	Osceola	Szego		0
8013	Shasta	Szego		0