

ONTARIO FORAGE CROP INVESTIGATIONS



1990 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

1990 REPORT ON FORAGE CROPS TRIALS

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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 1990 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Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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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ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Varieties Recommended for Ontario in Publication 296

Admiral	Chief	Iroquois	5432
Advance	Citation	Legend	Preserve
Algonquin	Comsel	Magnum	Saranac
Alouette	Crown	Magnum Plus	Shield
Ambassador	Crusader	88	Spectrum
Anchor	120	Mohawk	Sure
Angus	DK 125	Noble	Surpass
Apica	DK 135	OAC Minto	Thor
Apollo II	Eagle	Olinda	Thunder
Apollo Supreme	Edge	Oneida VR	Tomahawk
Armor	Excalibur	Peak	Trumpetor
Arrow	Glory	Pinnacle	Turbo
Award	G2852	526	Ultra
Bell Ringer	Horizon	532	Verta +
Centurion	Hunter	5311	Vista
Champion	Husky	5364	WL 222
			WL 316

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1103	NAPB25	King Agro	Support for reg., defer (2)	-
1113	5331	Pioneer	Dropped at co. request	
1115	82A	Pioneer	Dropped at co. request	
9048	Victory	Pickseed	Support for reg., defer (3)	-
9054	LSC 537	Landis	Support for Reg., defer (3)	-
1090	Ott 84-3	Ottawa	Support for reg., defer (3)	-
9073	A872	Pickseed	No support testing completed	
1100	MPR	UCO	Support for reg., defer (1)	6
1101	A25	UCO	No support, testing completed	6
1102	BPR335	UCO	No support, testing completed	6
1104	LSC725	Seed Link	Support for reg., defer (1)	6
1105	LSC726	Seed Link	Support for reg., defer (1)	6
1106	LSC728	Seed Link	Support for reg., defer (1)	6
1107	NK85-32	N.K.	Drop at co. request	6
1108	NK85-45	N.K.	Support for reg., defer (1)	6
1109	NK86-109	N.K.	No support, testing completed	6
1110	S36	Oseco	Support for reg., defer (1)	5
1111	S88	Parsons	Support for reg., defer (1)	5
1116	OAC83-110	U. of Guelph	No support, testing completed	5
9065	G2841	Funk	Support for reg., defer (1)	4
9066	LSC724	Landis	No support, testing completed	4
9067	LSC727	Landis	No support, testing completed	4
9068	NK85-48	N.K.	No support, testing completed	5
9069	NK86-638	N.K.	No support, testing completed	5
9070	NK86-92	N.K.	No support, testing completed	5

Varieties Under Test (cont'd)

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
9071	NAPB31 (Clipper)	Oseco	No support, testing completed	4
9072	Impact	Parsons	No support, testing completed	4
1117	XAF62 (5262)	Pioneer	Support for reg., defer (1)	14
1118	Sitel	Labon Inc.		5
1119	B852	Pickseed		5
1120	B853	Pickseed		6
1121	C87	Pickseed		7
1122	C89	Pickseed		7
1123	C95	Pickseed		6
1124	AP8632	King Agro		4
1125	AP8624	King Agro		5
1126	623	Coop Federee		5
1127	627	Nemec		4
1128	533(2833)	Funk Seeds		4
1129	635(2980)	Nemec		5
1130	655	Nemec		5
1131	545(Crown)	Nemec		4
1132	84T34 (Premier)	Northstar		4
1133	82-A-89	UCO		5
1134	NK87749	N.K.		6
1135	NK87754	N.K.		5
1136	NK87756	N.K.		5
1137	NK87745	N.K.		6
1139	MS 96	Mapleseed		4
1140	LSC Vector	Landis		4
1141	LSC 845	Landis		5
1142	LSC 846	Landis		5
1143	LSC 847	Landis		4
1144	C268	Norcan		4
1145	AP 41	Oseco		5
1146	AP 8620	Oseco		5
1147	ISI 567	Richardson		4
1148	870S	Sunparlour		4

1989 entries

1149	OAC81-122R	U of G		2
1150	VS 806	Nemec		2
1151	VS 872	Nemec		2
1152	VS 775	Nemec		2
1153	VS 888	Nemec		3
1154	Mirna	Nemec		3
1155	Cargill 420	Cargill		3
1156	87758	N.K.		4
1157	AP8820	Parsons		3
1158	A8820	Coop		3

Varieties Under Test (cont'd)

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1159	G636	Coop		2
1160	Medallion	Pickseed		4
1161	AP8735	Pickseed		5
1162	PS8915	Pickseed		5
1163	PS8920	Pickseed		4
1164	WL 317	Speare		2
1165	Promise	Speare		3
1166	86-141	Speare		3
1167	85-140	Speare		2
1168	AP8743	Oseco		2
1169	AP 8830	Oseco		3
1170	Terminator	Oseco		3
1171	AGI-72	Norcan		2
1172	AP 8831	King Agro		2
1173	Allegiance	King Agro		3
1174	Break Thru	King Agro		3
1175	85-141	King Agro		4
1176	XAL 72	Pioneer		8
	(5472)			
1177	XAL 73	Pioneer		11
	(5373)			
1178	85CR252	Pioneer		7
1179	85CR262	Pioneer		4
1180	86PR221	Pioneer		7
1181	AP8821	Brett-Young		3
1182	LSC 901	Landis		3
1183	LSC 903	Landis		2
1184	LSC 928	Landis		2
1185	LSC 630	Landis		3
1186	NY86I08	Szego		3
1187	NY86I11	Szego		2
1188	VS-622	Jacques		2

1990 entries

1189	XAM84	Pioneer		0
1190	YAM91	Pioneer		0
1191	YAE92	Pioneer		0
1192	86-20	Speare		0
1193	87777	N.K.		0
1194	88778	N.K.		0
1195	90ML3-NK	N.K.		0
1196	90ML4-NK	N.K.		0
1197	VS 800	Vista Canada		0
1198	VS 805	Vista Canada		0
1199	VS 834	Vista Canada		0
1200	WL87-122	King Agro		0
1201	WL88-6	King Agro		0

Varieties Under Test (cont'd)

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1202	DS9012	King Agro		0
1203	DS9013	King Agro		0
1204	A 8923	Coop		0
1205	A 8925	Coop		0
1206	MBS-2821	Coop		0
1207	MBS-6041	Coop		0
1208	NY 8832	Pickseed		0
1209	AP 8832	Pickseed		0
1210	90-1	Pickseed		0
1211	90-2	Pickseed		0
1212	Trident II	Cargill		0
1213	LSC 9010	Seed Link		0
1214	LSC 9011	Seed Link		0
1215	8623 B	Thompson		0
1216	86-15	Thompson		0
1217	8737N	Rothwell		0
1218	AP 8842	Oseco		0
1219	WL 86-14	Oseco		0
1220	86-124	Brett-Young		0
1221	85-5	Brett-Young		0
1222	8638C	Heritage		0
1223	8713A	Heritage		0
1224	Thrive	J. McInerney		0
1225	Webfoot	J. McInerney		0
1226	P1859	Brett-Young		0
1227	B2186	Brett-Young		0

Alfalfa registration trial A, seeded 1988,
harvested 1990, Ridgetown

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	4502	3798	4197	12497
1011 CITATION	4512	3631	4576	12719
1039 EXCALIBUR	4345	3637	4803	12785
1100 MPR	4426	3770	4830	13026
1101 A25	4184	3747	4908	12838
1102 BPR 335	4559	4025	4792	13375
1103 NAPB 25	4533	3874	4823	13231
1104 LSC 725	4436	3876	4647	12960
1105 LSC 726	4445	4000	5089	13533
1106 LSC 728	4486	4296	5089	13872
1107 NK 85-32	4365	3829	4728	12923
1108 NK 85-45	4314	3621	4570	12506
1109 NK 86-109	4428	3777	4881	13086
1110 ECHO	4355	4006	5071	13433
1111 NEW ERA 90	4429	3791	4939	13159
1112 APOLLO SUPRE	4221	3760	4896	12878
1113 5331	4409	3677	4734	12820
1114 5364	4555	4253	5061	13869
1115 82 A	4445	4081	4898	13423
1116 OAC 83-110	4249	3760	4580	12589
1123 C95	4389	3733	4769	12892
1126 623	4779	3982	5211	13972
1131 CROWN II	4517	3968	4965	13451
1137 NK 87745	4254	3794	4584	12632
1143 LSC 847	4366	4028	4963	13357
9002 120	4533	3570	4434	12538
9004 IROQUOIS	4346	3670	4151	12167
9062 ULTRA	4672	3696	4861	13229
HARV MEANS	4431	3845	4788	13063
CV %	3.7	5.8	5.6	3.6
LSD (5%)	193.7	265.5	319.0	552.7

Alfalfa registration trial B, seeded 1988,
harvested 1990, Ridgetown

CULTIVAR		MEAN YIELD (kg/ha)			
		CUT 1	CUT 2	CUT 3	TOTAL
1001	SARANAC	4375	3914	2846	11134
1039	EXCALIBUR	4187	3740	3269	11196
1117	5262	4472	4214	3724	12410
1118	SITEL	4091	3631	2927	10649
1119	B852	4272	3798	3411	11482
1120	B853	4474	3913	3364	11751
1121	C87	4267	3835	3547	11649
1122	C89	4112	3719	3452	11282
1124	AP8632	4391	3893	3520	11804
1125	AP8624	4259	3787	3616	11662
1127	627	4402	3746	3526	11675
1128	2833	4430	3850	3509	11789
1129	2980	4236	3687	3497	11420
1130	655	4440	3829	3617	11886
1132	PREMIER	4037	3964	3549	11550
1133	AL 87-A-89	4385	3839	3525	11749
1134	NK 87749	4351	3942	3658	11951
1135	NK 87754	4233	3871	3635	11739
1136	NK 87756	4170	3759	3539	11468
1138	LEGEND	4271	3936	3598	11804
1139	MS 96	4354	3836	3485	11676
1140	VECTOR	4262	3922	3579	11763
1141	LSC 845	4186	3783	3573	11541
1142	LSC 846	4302	3902	3541	11746
1144	C268	4296	3862	3264	11421
1145	AP41	4400	3795	3573	11768
1146	AP8620	4332	3728	3538	11598
1147	ISI567	4174	3656	3391	11221
1148	870S	4377	3853	3634	11864
9002	120	4411	3797	3223	11432
HARV MEANS		4298	3833	3471	11603
CV %		4.8	4.8	4.0	2.9
LSD (5%)		242.6	218.4	162.8	393.8

Alfalfa registration trial A, seeded 1989,
harvested 1990, Ridgetown

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	5110	3471	2735	11316
1039 EXCALIBUR	5528	3242	3134	11904
1117 5262	5353	3640	3011	12004
1121 C87	5052	3462	2920	11435
1125 AP8624	5375	3829	2870	12074
1129 2980	5489	3547	3035	12071
1133 AL 87-A-89	5592	3907	3078	12577
1137 NK 87745	5501	4074	3071	12646
1141 LSC 845	5405	3451	3029	11885
1145 AP41	5980	3531	2955	12467
1153 VS 888	5626	3770	3293	12689
1157 AP 8820	5343	3857	3160	12360
1161 AP 8735	5513	3900	3024	12437
1165 PROMISE	5334	3396	3044	11774
1169 AP 8830	5527	3625	3163	12314
1173 ALLEGIANCE	5054	3550	2850	11455
1177 XAM 73	5433	3413	2967	11813
1181 AP 8821	5343	4287	3254	12884
1185 LSC 630	5544	3467	3122	12134
9002 120	5996	3520	2926	12442
HARV MEANS	5455	3647	3032	12134
CV %	8.2	13.0	5.6	4.3
LSD (5%)	529.6	566.6	200.9	618.9

missing entry 1149 OAC 81-122R.

Alfalfa registration trial A, seeded 1989
harvested 1990, Elora

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL **
1001 SARANAC	5432	4922	2126	12470
1039 EXCALIBUR	4958	5078	2339	12479
1117 5262	5252	4868	2096	12245
1121 C87	4881	5031	2176	12003
1125 AP8624	4845	4604	1832	11294
1129 2980	4971	4985	2215	12162
1133 AL 87-A-89	4969	5216	2351	12509
1137 NK 87745	4908	4785	2140	11833
1141 LSC 845	4914	4867	2178	11910
1145 AP41	5127	4601	2025	11788
1149 OAC 81-122R	4738	4173	1844	10693
1153 VS 888	5075	4771	2183	12047
1157 AP 8820	4912	4533	2024	11443
1161 AP 8735	4957	4884	2107	11954
1165 PROMISE	4619	4866	2142	11648
1169 AP 8830	4974	4785	2130	11914
1173 ALLEGIANCE	4925	4822	2088	11834
1177 XAM 73	5308	4879	2141	12291
1181 AP 8821	5066	4888	2218	12220
1185 LSC 630	5312	5422	2253	12969
9002 120	5446	4137	1845	11455
HARV MEANS	5028	4815	2117	11960
CV %	7.9	6.6	6.6	5.5
LSD (5%)	477.9	380.7	169.4	790.0

** In the first cut, a yield gradient was detected within the blocks. A nearest-neighbour covariance analysis, using the two contiguous plots located in the same row and column as the covariate, was conducted to adjust for the heterogeneity present (see Pearce and Moore 1976 Exp. Agric. 12:267-272 for methodology). The yields listed have been corrected for the covariate, however, because of the nature of a covariance analysis, the corrected total yield will be similar but not equal to the sum of the cut 1, 2 and 3 yields listed.

Alfalfa registration trial A ,seeded 1989,
harvested 1990, Ottawa

CULTIVAR		MEAN YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
1001	SARANAC	4361	3544	7905
1039	EXCALIBUR	4112	3592	7704
1117	XAF62	4661	3383	8043
1121	C87	4212	3673	7885
1125	AP8624	4224	3318	7543
1129	635	4574	3930	8504
1133	AL 87-A-89	4761	3367	8127
1137	NK 87745	4823	3689	8511
1141	LSC 845	4835	3657	8492
1145	AP41	4623	3689	8312
1149	OAC 81-122R	4187	3447	7634
1153	VS 888	5346	3512	8858
1157	AP 8820	4735	3528	8263
1161	AP 8735	4399	2932	7331
1165	PROMISE	4225	3286	7511
1169	AP 8830	4586	3479	8065
1173	ALLEGIANCE	4436	2884	7320
1177	XAM 73	4249	2884	7133
1181	AP 8821	4150	2996	7146
1185	LSC 630	4461	3173	7634
9002	120	4735	3512	8247
HARV MEANS		4509	3403	7913
LSD (5%)		619	519	910
CV %		9.6	10.7	8.1

Alfalfa registration trial A, seeded 1989,
harvested 1990, New Liskeard

CULTIVAR		MEAN YIELD (Kg/Ha)		
		CUT 1	CUT 2	TOTAL
1157	AP8820	4376	6279	10654
1177	XAM 73	4360	5880	10240
1039	EXCALIBUR	4042	6173	10216
1161	AP8735	4346	5862	10208
1169	AP 8830	4267	5884	10151
1001	SARANAC	4321	5804	10125
1121	C 87	4300	5816	10115
1133	AL 87-A-89	4333	5753	10087
1153	VS 888	4245	5841	10086
1117	XAF 62	4554	5456	10010
1185	LSC 630	4370	5598	9968
1165	PROMISE	4181	5779	9959
1173	ALLEGIANCE	4561	5382	9943
1145	AP 41	4188	5748	9935
1129	635	4272	5604	9876
1141	LSC 845	4275	5475	9751
1181	AP 8821	4093	5607	9701
9002	120	4489	5209	9698
1149	OAC 81-122R	3830	5858	9688
1137	NK 87745	4353	5331	9684
1125	AP 8624	4199	5232	9431
HARV MEANS		4284	5694	9977
LSD (5%)		144	313	352
CV %		5.1	8.3	5.3

Alfalfa registration trial B, seeded 1989,
harvested 1990, Ridgetown

CULTIVAR		MEAN YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
1001	SARANAC	6088	4749	2895	13731
1039	EXCALIBUR	6240	4687	3276	14203
1118	SITEL	5604	4522	2849	12975
1122	C89	6216	4236	3127	13578
1126	623	6512	4355	3265	14133
1130	655	6197	4444	3219	13861
1134	NK 87749	5825	4358	3224	13406
1138	LEGEND	6632	4333	3380	14345
1142	LSC 846	5954	4532	3151	13637
1146	AP8620	6129	4689	3301	14119
1150	VS 806	6301	4565	3273	14140
1154	MIRNA	5167	4353	2965	12485
1158	A 8820	6228	4606	3231	14066
1162	PS 8915	6218	4374	3218	13809
1166	86-141	6212	4642	3219	14073
1170	TERMINATOR	5941	4502	3216	13659
1174	BREAK THRU	5982	4459	3302	13742
1178	85 CR 252	5875	4693	3191	13759
1182	LSC 901	6273	4565	3544	14382
1186	NY86I08	5777	4154	3295	13225
9002	120	6669	4624	3006	14299
HARV MEANS		6097	4497	3197	13792
CV %		3.9	11.1	5.8	4.8
LSD (5%)		280.4	592.3	220.7	775.4

Alfalfa registration trial B, seeded 1989,
harvested 1990, Elora

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	5280	4687	3948	13876
1039 EXCALIBUR	4966	4184	3588	12706
1118 SITEL	4542	4081	3468	11932
1122 C89	4505	3927	3253	11759
1130 655	5036	4087	3444	12535
1130 655	4796	4030	3495	12463
1134 NK 87749	4513	3996	3316	11816
1138 LEGEND	5207	3836	3475	12552
1142 LSC 846	4934	4286	3672	12907
1146 AP8620	4896	4181	3321	12478
1150 VS 806	4890	4395	3769	13024
1154 MIRNA	4653	4371	3636	12706
1158 A 8820	4310	3880	3434	11690
1162 PS 8915	5229	3996	3575	12800
1166 86-141	4856	4022	3328	12295
1170 TERMINATOR	4555	4293	3590	12375
1174 BREAK THRU	4866	3753	3235	11761
1178 85 CR 252	4622	4411	3381	12501
1182 LSC 901	5024	4575	3868	13419
1186 NY86I08	4346	4288	3569	12024
9002 120	5379	3955	3250	12636
HARV MEANS	4829	4154	3505	12488
CV %	7.9	7.7	7.5	6.1
LSD (5%)	453.7	384.6	314.3	909.5

** In the first cut, a yield gradient was detected within the blocks. A nearest-neighbour covariance analysis, using the two contiguous plots located in the same row and column as the covariate, was conducted to adjust for the heterogeneity present (see Pearce and Moore 1976 Exp. Agric. 12:267-272 for methodology). The yields listed have been corrected for the covariate, however, because of the nature of a covariance analysis, the corrected total yield will be similar but not equal to the sum of the cut 1, 2 and 3 yields listed.

Alfalfa registration trial B, seeded 1989,
harvested 1990, Ottawa

		MEAN YIELD (kg/ha)		
CULTIVAR		CUT 1	CUT 2	TOTAL
1001	SARANAC	4220	2843	7063
1039	EXCALIBUR	4861	2921	7782
1118	SITEL	4297	2687	6984
1122	C89	4579	2687	7266
1126	623	5143	3015	8158
1130	655	4656	3046	7702
1134	NK 87749	3784	2359	6143
1138	LEGEND	4989	2671	7661
1142	LSC 846	4630	2843	7474
1146	AP8620	4348	2749	7098
1150	VS 806	5079	2874	7953
1154	MIRNA	3681	2406	6087
1158	A 8820	4387	2781	7167
1162	PS 8915	4579	2437	7016
1166	86-141	4297	2750	7047
1170	TERMINATOR	4630	2756	7386
1174	BREAK THRU	4348	2578	6926
1178	85 CR 252	4207	2578	6785
1182	LSC 901	4746	2843	7589
1186	NY86I08	4220	3140	7360
9002	120	4618	2640	7258
HARV MEANS		4490	2743	7234
LSD (5%)		555	494	744
CV %		8.7	12.6	7.2

Alfalfa registration trial B, seeded 1989,
harvested 1990, Thunder Bay

CULTIVAR		MEAN YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
1001	SARANAC	4288	3768	8056
1039	EXCALIBUR	3978	3770	7748
1118	SITEL	4264	3715	7979
1122	C89	4334	3797	8131
1126	623	4495	3944	8439
1130	655	3919	3768	7687
1134	NK 87749	4011	3564	7575
1138	LEGEND	4242	4060	8302
1142	LSC 846	3919	3827	7745
1146	AP8620	4518	3739	8257
1150	VS 806	3873	3856	7729
1154	MIRNA	3780	3593	7373
1158	A 8820	4172	3681	7853
1162	PS 8915	4265	3914	8179
1166	86-141	4218	4090	8308
1170	TERMINATOR	4057	4119	8176
1174	BREAK THRU	4357	4294	8651
1178	85 CR 252	4149	3797	7947
1182	LSC 901	4034	4236	8270
1186	NY86I08	4403	3272	7675
9002	120	4380	3885	8265
HARV MEANS		4174	3842	8016
CV %		8.8	13.6	9.0
LSD (5%)		433.4	615.6	848.5

Alfalfa registration trial C, seeded 1989,
harvested 1990, Ridgetown

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	4391	4577	2751	11719
1039 EXCALIBUR	4689	4676	2970	12334
1119 B852	4809	4740	2948	12497
1123 C95	4888	4824	3001	12713
1127 627	4869	4854	3112	12835
1131 CROWN II	5110	4680	3128	12918
1135 NK 87754	4755	4607	2863	12225
1139 MS 96	4966	4778	2783	12527
1143 LSC 847	4510	4568	2978	12056
1147 ISI567	4657	4479	2916	12052
1151 VS 872	4844	5004	3045	12892
1155 CARGILL 420	4789	4231	2911	11932
1159 G 636	4715	4753	3056	12523
1163 PS 8920	5131	4999	3114	13244
1167 85-140	4812	4720	3031	12563
1171 AGI-72	4904	5100	2965	12969
1175 85-141	4615	4595	2943	12153
1179 85 CR 262	4683	4588	3092	12363
1183 LSC 903	4613	4920	2903	12436
1187 NY86I11	4768	4532	2898	12198
9002 120	4926	4422	3041	12389
HARV MEANS	4783	4698	2974	12454
CV %	4.9	8.2	4.8	4.5
LSD (5%)	277.1	456.5	167.6	662.8

Alfalfa registration trial C, seeded 1989,
harvested 1990, Elora

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL**
1001 SARANAC	5225	4481	2658	12430
1039 EXCALIBUR	5102	4122	2571	11773
1119 B852	5371	4271	2602	12246
1123 C95	4735	3946	2394	11054
1127 627	5425	4549	2792	12753
1131 CROWN II	4983	4437	2713	12104
1135 NK 87754	4852	4037	2491	11445
1139 MS 96	4826	4135	2519	11422
1143 LSC 847	5165	4210	2471	11825
1147 ISI567	4683	3948	2324	10900
1151 VS 872	5265	4486	2572	12356
1155 CARGILL 420	4788	4071	2487	11305
1159 G 636	5054	4227	2613	11889
1163 PS 8920	4893	4297	2461	11657
1167 85-140	4824	3995	2523	11402
1171 AGI-72	5395	3978	2444	11855
1175 85-141	4402	4093	2482	10992
1179 85 CR 262	5029	4211	2606	11873
1183 LSC 903	4562	4357	2668	11583
1187 NY86I11	5066	4167	2553	11722
9002 120	5473	4115	2441	12050
HARV MEANS	5006	4197	2542	11745
CV %	8.0	5.9	5.4	4.9
LSD (5%)	478.8	298.0	163.7	692.3

** In the first cut, a yield gradient was detected within the blocks. A nearest-neighbour covariance analysis, using the two contiguous plots located in the same row and column as the covariate, was conducted to adjust for the heterogeneity present (see Pearce and Moore 1976 Exp. Agric. 12:267-272 for methodology). The yields listed have been corrected for the covariate, however, because of the nature of a covariance analysis, the corrected total yield will be similar but not equal to the sum of the cut 1, 2 and 3 yields listed.

Alfalfa registration trial C, seeded 1989,
harvested 1990, New Liskeard

CULTIVAR		MEAN YIELD (Kg/Ha)		
		CUT 1	CUT 2	TOTAL
1119	B 852	5402	6672	12074
1151	VS 872	4968	6879	11848
1127	627	4868	6908	11776
1039	EXCALIBUR	5227	6318	11545
1179	85-CR-262	5152	6335	11487
1135	NK 87754	4930	6550	11480
1131	545	5179	6213	11391
1139	MS 96	5129	6183	11312
1155	CARGILL 420	4944	6293	11237
1187	NY 86111	4786	6427	11214
1147	IS 1567	4978	6173	11151
9002	120	4640	6480	11120
1163	PS 8920	4981	6126	11108
1171	AGI-72	4782	6272	11054
1001	SARANAC	4885	6012	10897
1143	LSC 847	4955	5935	10890
1159	G 636	4734	6095	10828
1175	85-141	4756	5994	10749
1167	85-140	4622	6120	10742
1183	LSC 903	4533	6093	10626
1123	C 95	4393	6223	10616
HARV MEANS		4897	6300	11197
LSD (5%)		201	430	481
CV %		6.2	10.3	6.5

Alfalfa registration trial D, seeded 1989,
harvested 1990, Ridgetown

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	4813	4229	2625	11667
1039 EXCALIBUR	5027	4789	2867	12683
1120 B853	5205	4679	2771	12655
1124 AP8632	5080	4372	2830	12281
1128 2833	5196	4475	2921	12592
1132 PREMIER	4660	4151	2717	11528
1136 NK 87756	5037	4397	2965	12399
1140 VECTOR	4977	4298	2768	12043
1144 C268	4837	4540	2756	12133
1148 870S	5143	4483	2902	12527
1152 VS 775	5049	4239	2835	12122
1156 87758	4928	4635	2795	12358
1160 MEDALLION	4698	4046	2784	11528
1164 WL 317	4970	4614	3021	12604
1168 AP 8743	5102	4675	3034	12811
1172 AP 8831	5207	4587	3078	12871
1176 XAL 72	4728	4296	2926	11950
1180 86 PR 221	4921	4528	2864	12312
1184 LSC 928	4812	4472	2942	12226
1188 VS-622	5089	4909	2949	12947
9002 120	5195	4642	2859	12695
HARV MEANS	4984	4479	2867	12330
CV %	4.1	9.5	4.9	4.8
LSD (5%)	244.4	501.3	165.5	702.8

Alfalfa registration trial D, seeded 1989,
harvested 1990, Elora

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL**
1001 SARANAC	5445	3993	3414	12858
1039 EXCALIBUR	5266	4137	3424	12864
1120 B853	5626	4077	3242	12954
1124 AP8632	5184	3935	3082	12183
1128 2833	5564	4073	3250	12916
1132 PREMIER	4690	3937	3163	11813
1136 NK 87756	4957	4072	3346	12415
1140 VECTOR	5238	4171	3253	12693
1144 C268	5393	3903	3350	12622
1148 870S	5077	3988	3145	12200
1152 VS 775	5497	4222	3240	12916
1156 87758	5138	3979	3310	12456
1160 MEDALLION	5026	4028	3175	12259
1164 WL 317	5077	3658	3107	11821
1168 AP 8743	5221	3894	3069	12214
1172 AP 8831	5012	3820	3061	11921
1176 XAL 72	4964	4407	3531	12825
1180 86 PR 221	5146	3911	3121	12137
1184 LSC 928	5216	4101	3555	12841
1188 VS-622	5557	4030	3279	12869
9002 120	6138	3999	3066	13174
HARV MEANS	5259	4016	3247	12521
CV %	8.5	5.1	5.1	5.0
LSD (5%)	536.6	248.7	197.6	746.6

** In the first cut, a yield gradient was detected within the blocks. A nearest-neighbour covariance analysis, using the two contiguous plots located in the same row and column as the covariate, was conducted to adjust for the heterogeneity present (see Pearce and Moore 1976 Exp. Agric. 12:267-272 for methodology). The yields listed have been corrected for the covariate, however, because of the nature of a covariance analysis, the corrected total yield will be similar but not equal to the sum of the cut 1, 2 and 3 yields listed.

Alfalfa registration trial D, seeded 1989,
harvested 1990, Thunder Bay

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1001 SARANAC	3946	3781	7727
1039 EXCALIBUR	3991	4178	8169
1120 B853	3833	4086	7919
1124 AP8632	4059	3873	7931
1128 2833	4419	3964	8384
1132 PREMIER	3585	3781	7366
1136 NK 87756	3788	4208	7996
1140 VECTOR	3788	3903	7691
1144 C268	3337	4086	7423
1148 870S	3765	3812	7577
1152 VS 775	3495	4361	7856
1156 87758	3811	3751	7561
1160 MEDALLION	3788	3873	7661
1164 WL 317	3675	3812	7487
1168 AP 8743	3720	3751	7471
1172 AP 8831	3675	3964	7640
1176 XAL 72	3630	3812	7442
1180 86 PR 221	3946	4117	8063
1184 LSC 928	3247	4117	7364
1188 VS-622	3788	3873	7661
9002 120	4171	3873	8044
HARV MEANS	3784	3951	7735
CV %	9.4	10.0	5.8
LSD (5%)	420.4	466.5	532.4

Pickseed Alfalfa trial, seeded 1987,
harvested 1990, Blenheim

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1062	5444	5137	2905	2720	10762
2	85-20	4798	2535	2355	9688
3	R308	5613	3045	2627	11284
9073	4 A872	4745	3047	2615	10406
5	R307	4986	3228	2605	10819
1075	MAXIM	4635	3203	2366	10204
7	A855	5246	3179	2590	11014
9002	120	4789	2826	3038	10653
9	A856	4848	3419	2758	11026
1011	CITATION	4587	3127	2599	10313
1082	11 NY8413	5265	3528	2828	11621
12	R306	5003	3473	2642	11118
9004	IROQUOIS	4587	3200	2299	10086
9048	14 NY8412	5110	3970	2426	11505
1039	EXCALIBUR	4963	2800	2597	10360
9058	A853	4674	3187	2653	10514
1074	ARROW	5154	3626	2823	11602
18	A854	4968	3623	2575	11166
9041	ONEIDA VR	5323	2578	2356	10257
20	WL516	4034	2858	2781	9673
21	WL605	3564	1956	2446	7966
HARV MEANS		4859	3110	2605	10573
CV %		8.2	19.9	11.5	7.0
LSD (5%)		566.4	876.0	422.7	1043.0

Pioneer alfalfa variety trial, seeded 1987,
harvested 1990, Chatham

MEAN YIELD (Kg/ha)					
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
	1115 82A-1	6888	4178	4099	15165
19	2 86CV822	6675	3965	4368	14997
7	3 86CF022	6474	3786	4435	14683
26	4 86PV831	6630	3573	4480	14683
8	5 86CF032	7022	3618	4021	14650
17	6 86CR272	6350	4021	4267	14627
15	7 86CR252	6675	3741	4166	14582
16	8 86CR262	6115	4010	4424	14549
10	9 86CF052	6910	3315	4245	14470
	1039 EXCALIBUR	6978	3472	4010	14459
	1113 5331	6507	3427	4502	14437
6	12 86CF012	6294	3965	4010	14280
	1062 5444	6854	3248	4144	14258
	1180 86PR221	6126	3685	4390	14202
	1189 XAM84	6238	3438	4502	14168
	1114 5364	6474	3606	3998	14078
	9009 526	6675	3416	3920	14000
24	18 86PV811	6115	3494	4379	13989
14	19 86CR242	6306	3685	3998	13978
	9012 VERNAL	6810	3046	4043	13899
9	21 86CF042	6093	3707	4088	13899
	1011 CITATION	6003	3528	4357	13888
13	23 86CR232	5947	3763	4144	13866
25	24 86PV821	6418	3494	3942	13866
18	25 86CV812	5914	3853	4032	13810
21	26 86PR211	6138	3371	4301	13798
	1006 APICA	6518	3125	4155	13798
20	28 86PF011	5925	3550	4278	13754
	1117 5262	5947	3920	3763	13630
12	30 86CR222	5846	3718	3942	13518
23	31 86PR231	5947	3472	4066	13484
	1001 SARANAC	6306	2979	4189	13484
	1088 5432	5902	3562	3875	13328
29	34 86PV861	5746	3606	3875	13227
	9002 DK120	6317	3394	3483	13194
11	36 86CF212	5802	3528	3819	13160
27	37 86PV841	5589	3181	4122	12902
28	38 86PV851	5634	3349	3898	12880
	1017 532	5925	3293	3662	12869
	9004 IROQUOIS	6014	2878	3763	12645
HARV MEANS		6272	3550	4099	13933
LSD (5%)		801	603	677	1469
CV %		9.0	12.0	11.7	7.5

Pioneer alfalfa variety trial, seeded 1988,
harvested 1990, Chatham

MEAN YIELD (Kg/ha)					
	CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
9	1 87CR282	6742	4200	4760	15702
8	2 87CR232	6731	3954	4782	15467
1	3 87CR242	6574	4189	4514	15266
6	4 87CR252	7056	3976	4211	15232
10	5 87SR211	6518	4088	4536	15142
21	6 87SR221	6518	4066	4536	15120
14	7 87CV832	6507	4054	4480	15053
3	8 87CV822	6462	4334	4144	14930
7	9 87SF011	6339	3942	4626	14907
15	10 87CR262	6406	4278	4200	14885
11	11 87CV812	6507	3998	4178	14683
19	12 87CR212	6306	3976	4379	14672
	1177 5373	6238	3841	4514	14594
	1062 5444	6765	3606	4211	14594
4	15 87CF022	6306	3819	4424	14549
17	16 87SR231	6754	3562	4178	14493
18	17 87CR272	5634	4099	4748	14493
	1190 YAM91	6294	3931	4222	14448
24	19 87CF012	6373	3718	4278	14381
12	20 87CV842	5970	4290	4099	14358
	1115 82A-1	6507	3707	4054	14269
16	22 87CR302	5835	4222	4099	14168
	1117 5262	6059	3718	4323	14101
22	24 87CF042	6115	3685	4144	13944
	1114 5364	6037	3730	4099	13866
	1176 5472	5746	3965	4099	13810
23	27 87CF052	6171	3595	4032	13798
	1017 532	6037	3516	4110	13664
	9009 526	6294	3416	3909	13630
	1039 EXCALIBUR	5936	3382	4301	13619
13	31 87CR292	5902	3942	3763	13608
5	32 87CR222	5757	3718	4122	13597
20	33 87CF032	5936	3595	4010	13530
	1088 5432	6059	3629	3685	13373
	9012 VERNAL	6138	2968	4166	13272
	9004 IROQUOIS	6362	3046	3763	13171
	9002 DK120	6216	3013	3920	13149
	1001 SARANAC	6082	3058	3842	12981
HARV	MEANS	6272	3786	4222	14280
	LSD (5%)	906	522	560	1436
	CV %	10.2	9.7	9.4	7.1

Pioneer alfalfa variety trial, seeded 1988,
harvested 1990, Woodstock

		MEAN YIELD (kg/ha)			
	CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
1190	YAM91	7818	4973	4850	17640
2	87SR211	8277	4570	4704	17550
3	87CR222	7829	5163	4435	17427
4	87CV812	7896	4939	4469	17293
5	87CR212	7750	4816	4502	17069
6	87CR292	7627	4883	4334	16856
9009	526	7963	4659	4200	16834
8	87CR232	7560	4715	4458	16733
9	87CV832	7538	4603	4480	16621
10	87SR221	7426	5029	4155	16610
1177	5373	7549	4693	4301	16542
12	87CF052	7504	4749	4290	16542
13	87CR302	7941	4508	3998	16520
1117	5262	7370	4872	4245	16475
15	87CF022	7325	4704	4402	16430
16	87SF011	7582	4682	4133	16397
17	87CV842	7190	4861	4334	16386
18	87CR252	7504	4693	4166	16363
9004	IROQUOIS	7829	4491	4010	16330
1114	5364	7459	4939	3875	16285
21	87CR262	7538	4682	3998	16218
22	87CR282	7325	4592	4278	16184
9002	DK120	7380	4850	3920	16150
1062	5444	6978	4906	4245	16139
1017	532	7280	4558	4301	16128
1176	5472	6955	5029	4110	16094
27	87CV822	7224	4726	4077	16027
28	87CF032	7067	4525	4413	16016
29	87CF042	7291	4816	3819	15938
1115	82A-1	7235	4670	3931	15837
31	87CF012	6989	4570	4200	15758
1001	SARANAC	7347	4368	3965	15680
33	87CR242	7202	4726	3707	15646
1088	5432	7213	4200	4211	15624
35	87SR231	7235	4413	3976	15624
36	87CR272	7112	4805	3618	15534
9012	VERNAL	7168	4379	3707	15266
1039	EXCALIBUR	6731	4312	4032	15075
HARV	MEANS	7426	4704	4178	16307
	LSD (5%)	720	392	543	1167
	CV %	6.9	5.9	9.2	5.1

Northrup King Alfalfa trial, seeded 1988,
harvested 1990, London

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1136	87756	4109	2976	3971	11056
1138	LEGEND	3906	3004	4117	11027
1135	87754	4373	2842	3792	11007
1039	EXCALIBUR	3922	3057	3987	10966
9002	DK 120	3885	3078	3894	10857
9050	SURE	3804	2903	3975	10682
1134	87749	3743	2927	3930	10600
1137	87745	3950	2704	3845	10499
HARV MEANS		3962	2936	3939	10837
CV %		13.4	5.5	6.2	5.4
LSD (5%)		671.9	203.0	308.6	740.9

Pickseed Alfalfa trial, seeded 1989,
harvested 1990, Blenheim

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1074 ARROW	7127	4880	3625	15632
9041 ONEIDA VR	6940	4353	3985	15278
1055 ADVANCE	6885	4999	4070	15954
9032 AMBASSADOR	7473	5004	3892	16369
1028 ALOUETTE	6811	4636	3190	14636
1208 NY8832	7056	4680	3823	15558
7 A871	6797	4960	3770	15527
8 A872	7240	5023	4501	16764
1119 B852	7486	5041	3709	16236
1120 B853	6546	4596	3678	14820
1121 C87	7173	4699	3850	15723
1122 C89	8057	4759	3404	16220
1123 C95	7139	4651	3406	15197
14 A225	6922	4881	3712	15515
15 B85-20	7171	5050	3937	16158
16 E871	7560	5434	4182	17176
17 E872	6971	4774	3573	15317
18 E873	7117	4988	4367	16473
1160 MEDALLION	6944	5347	4074	16365
1162 PS8915	7500	4798	3804	16103
1163 PS8920	6963	5065	3835	15862
9002 120	7149	4501	3612	15263
1039 EXCALIBUR	7499	4967	3994	16459
1001 SARANAC	6086	4669	3187	13942
1161 AP8735	7636	4863	3646	16145
HARV MEANS	7130	4865	3793	15788
CV %	8.1	6.3	9.1	5.2
LSD (5%)	813.2	433.7	487.3	1151.2

Pickseed Alfalfa trial, seeded 1989,
harvested 1990, Elmira

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1074 ARROW	5585	4426	2678	12688
9041 ONEIDA VR	5801	4717	2906	13424
1155 ADVANCE	5366	4396	2700	12462
9032 AMBASSADOR	5964	4848	2884	13697
1028 ALOUETTE	6352	4636	2934	13922
1208 NY8832	5490	4414	2544	12449
7 A871	5587	4598	2757	12941
8 A872	6065	5237	2772	14074
1119 B852	5489	4725	2857	13071
1120 B853	5977	4698	2682	13357
1121 C87	5769	4577	2771	13116
1122 C89	6136	4812	2920	13868
1123 C95	5226	4334	2699	12259
14 A225	5373	4697	2836	12906
15 B85-20	5894	5152	3129	14175
16 E871	5637	4957	2934	13528
17 E872	6067	4784	2970	13822
18 E873	5547	4921	3163	13631
1160 MEDALLION	5347	4634	2861	12841
1162 PS8915	6669	4770	3123	14562
1163 PS8920	5817	4807	3200	13824
9002 120	6129	4646	2530	13305
1039 EXCALIBUR	6407	5010	3047	14464
1001 SARANAC	5718	4208	2616	12543
1161 AP8735	5319	4387	2726	12432
HARV MEANS	5789	4696	2850	13334
CV %	9.5	6.6	8.3	6.1
LSD (5%)	778.5	434.2	332.0	1148.3

Pioneer alfalfa variety trial, seeded 1989
harvested 1990, Chatham

		MEAN YIELD (Kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1039	EXCALIBUR	7381	4738	4872	16990
2	88I6PR1	7000	4715	4592	16307
1117	5262	7022	4659	4592	16274
1177	5373	7202	4637	4413	16262
5	88P4CV2	6810	4603	4827	16240
6	88N2CV2	6810	4838	4592	16229
7	88N6PR1	6978	4738	4502	16218
8	88P1CR2 ^{YALOL}	6496	5040	4648	16195
1179	85CR262	7045	4850	4178	16072
10	88N4CR2	6810	4648	4581	16038
11	88M2CR2	6832	4738	4446	16027
12	88N5PV1	6731	4682	4581	16005
1115	82A-1	6899	4670	4379	15938
14	88I4CR2	6664	4715	4402	15770
1114	5364	6541	4659	4514	15714
16	88M3CR2	6362	5018	4334	15702
17	P88PF08	6418	4749	4502	15669
18	88W5SV2	6507	4726	4390	15635
1176	5472	6283	4749	4592	15624
20	P88CF02	6451	4738	4435	15612
21	88I1CF2	6597	4760	4267	15613
1191	YAE92	6462	4592	4536	15590
23	88P3CF2	6037	4760	4782	15579
1178	85CR252	6160	4805	4491	15456
1017	532	6574	4626	4256	15456
9002	DK120	6653	4379	4402	15434
1180	86PR221	6138	4805	4491	15434
28	88P2CR2	6429	4603	4334	15366
29	88W3CF2	6238	4704	4435	15366
30	88N1CF2	6059	4805	4480	15355
31	88W2CR2	5858	4827	4659	15344
32	88I2CV2	6440	4682	4189	15310
33	88M1CF2	6608	4458	4178	15243
9009	526	6597	4379	4200	15176
35	88M4CR2	6306	4547	4323	15176
36	88W4CF2	5981	4906	4278	15165
1001	SARANAC	6395	4704	4010	15109
38	88N3CR2	6182	4659	4245	15098
39	88W1CR2	6496	4502	4088	15098
40	88I5CR2	6361	4514	4189	15053
1088	5432	6138	4401	4267	14806
9004	IROQUOIS	6597	4514	3685	14795
43	88I3CR2	6082	4491	4178	14739
9012	VERNAL	6171	4133	3954	14246
HARV	MEANS	6518	4670	4390	15579
	LSD (5%)	810	391	467	1120
	CV %	8.8	5.9	7.5	5.1

Pioneer alfalfa variety trial, seeded 1989,
harvested 1990, Woodstock

MEAN YIELD (kg/ha)					
	CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
1039	EXCALIBUR	6149	5398	4816	16363
1179	85CR262	6630	5006	4334	15960
3	88P4CV2	6115	5197	4626	15938
4	88I5CR2	6014	5264	4592	15870
9002	DK120	6541	5118	4200	15848
6	88N6PR1	6205	5163	4480	15848
1176	5472	6048	5152	4614	15826
8	P88CF02	6272	4950	4592	15814
9	88W2CR2	6048	5208	4480	15736
9009	526	6317	4939	4458	15714
1001	SARANAC	6182	5006	4435	15613
9004	IROQUOIS	6418	4782	4413	15613
1117	5262	6418	5029	4066	15512
14	88I6PR1	5622	5253	4525	15400
1180	86PR221	6160	4973	4267	15400
1178	85CR252	6149	4917	4334	15389
1017	532	6317	4894	4144	15366
1177	5373	6048	4883	4413	15333
19	88W1CR2	6182	4794	4290	15266
20	88I4CR2	5835	5230	4178	15243
21	88N2CV2	5611	5006	4626	15243
22	88W3CF2	5645	4995	4581	15221
23	88M2CR2	6093	4794	4323	15210
24	88W5SV2	6104	4872	4872	15187
1088	5432	6093	4872	4166	15142
26	P88PF08	6261	4794	3998	15042
27	88N1CF2	5992	4950	4066	15019
28	88P2CR2	5958	5040	3998	14997
29	88M1CF2	5846	4973	4144	14974
30	88N5PV1	5566	5566	4278	14930
31	88P3CF2	5398	4894	4536	14829
1115	82A-1	5858	4794	4144	14795
33	88I1CF2	5678	4962	4133	14762
1191	YAE92	6082	4682	3976	14739
35	88I2CV2	5858	5130	3696	14683
36	88P1CR2 - YAL06	5432	4861	4861	14627
37	88M3CR2	5757	4749	4099	14605
1114	5364	5723	4704	4066	14493
39	88N3CR2	5443	4592	4245	14426
40	88W4CF2	5533	4715	4166	14414
41	88M4CR2	5208	4771	4401	14381
42	88I3CR2	5342	4614	4099	14045
43	88N4CR2	5140	4782	4066	13989
9012	VERNAL	5690	4357	3662	13709
HARV	MEANS	5936	4939	4278	15153
	LSD (5%)	678	507	553	1000
	CV %	8.1	7.3	9.1	4.7

Northrup King Alfalfa trial, seeded 1989,
harvested 1990, London

CULTIVAR		MEAN YIELD (Kg/ha)			
		CUT 1	CUT 2	CUT 3	TOTAL
1039	EXCALIBUR	5223	3756	4677	13656
9002	DK 120	5260	3601	4503	13364
9050	SURE	4821	3646	4710	13177
4	C86-307	4833	3784	4551	13168
1138	LEGEND	4771	3699	4523	12993
1156	87758	4710	3524	4145	12379
HARV	MEANS	4936	3668	4518	13122
CV	%	7.1	8.1	3.6	3.3
LSD	(5%)	440.5	375.6	231.4	619.2

Northrup King Alfalfa trial, seeded 1989,
harvested 1990, Punkey Doodles

CULTIVAR		MEAN YIELD (Kg/ha)		
		CUT 1	CUT 2	TOTAL
✓ 9065	1 C86-307	5875	3787	9662
	2 G 2841	5660	3904	9564
	9002 DK 120	5181	3791	8971
	1156 87758	5087	3877	8964
	1039 EXCALIBUR	4843	3940	8783
	9050 SURE	4856	3791	8646
	HARV MEANS	5250	3848	9098
	CV %	10.7	7.1	5.6
	LSD (5%)	710.6	343.0	719.6

Alfalfa performance trial A, seeded 1988,
harvested 1989, Ridgetown

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1001	SARANAC	4574	4217	2647	11438
1011	CITATION	4675	3894	2982	11551
1012	CLASSIC	4903	3834	3092	11829
1014	HUNTER	4703	4107	2845	11655
1015	PACER	4571	4137	2853	11562
1020	SPECTRUM	4482	3949	3242	11673
1023	TRUMPETOR	4822	4108	2904	11833
1039	EXCALIBUR	4712	3916	3152	11780
1048	WL 316	4675	4144	3100	11919
1052	HUSKY	4874	4081	3123	12078
1056	88	4684	4005	3138	11827
1057	ADMIRAL	4669	4200	3121	11990
1075	MAXIM	4733	4021	3107	11860
9001	ALGONQUIN	4855	3813	2636	11305
9002	120	4644	3888	2809	11342
9003	GLORY	4563	4038	2694	11294
9006	OAC MINTO	4562	4070	2605	11237
9012	VERNAL	4572	3744	3043	11358
9020	DRUMMOR	4554	4062	3249	11865
9027	NOBLE	4617	4097	3366	12080
9041	ONEIDA VR	4582	4028	3049	11659
9053	CENTURION	4908	4114	3354	12377
HARV MEANS		4679	4021	3005	11705
CV %		4.1	4.5	5.7	2.9
LSD (5%)		228.1	215.6	203.9	403.1

Alfalfa performance trial C, seeded 1988,
harvested 1990, Ridgetown

CULTIVAR		MEAN YIELD (kg/ha)			
		CUT 1	CUT 2	CUT 3	TOTAL
1001	SARANAC	4153	3534	2425	10112
1004	ANGUS	4331	3392	2614	10337
1009	BLAZER	4607	3606	2824	11037
1016	PEAK	4464	3750	2975	11189
1018	PRIMAL	4349	3668	2596	10613
1024	TURBO	4365	3625	2844	10834
1028	ALOUETTE	4323	3709	2759	10791
1032	ACCLAIM	4476	3779	2970	11225
1033	PRESERVE	4374	3437	2965	10776
1039	EXCALIBUR	4390	3402	2751	10543
1040	DK-135	4418	3457	2868	10743
1047	APOLLO II	4297	3621	2873	10790
1053	EAGLE	4515	3612	2823	10949
1055	ADVANCE	4431	3462	2687	10581
1067	CRUSADER	4348	3608	2930	10887
1071	BELL RINGER	4561	3648	2843	11053
1074	ARROW	4514	3682	2881	11077
1076	G2852	4301	3678	2989	10969
1085	DK 125	4459	3544	2962	10965
9002	120	4453	3398	2775	10625
9005	MAGNUM	4477	3569	2978	11024
9015	THUNDER	4293	3666	2792	10751
9051	SHIELD	4293	3599	2973	10864
HARV MEANS		4400	3585	2830	10815
CV %		3.5	5.7	5.8	3.3
LSD (5%)		183.0	243.3	195.2	418.5

Alfalfa Performance trial A, seeded 1989,
harvested 1990, Ottawa

		MEAN YIELD (kg/ha)		
	CULTIVAR	CUT 1	CUT 2	TOTAL
1001	SARANAC	5316	3241	8557
1017	532	4834	3287	8122
1023	TRUMPETOR	4925	3380	8304
1025	VISTA	5075	3726	8801
1030	ARMOR	4975	3460	8435
1033	PRESERVE	5055	3472	8527
1039	EXCALIBUR	4825	3576	8400
1046	AWARD	4714	3495	8209
1055	ADVANCE	4473	3622	8095
1067	CRUSADER	4674	3622	8296
1074	ARROW	4634	3506	8140
1079	TOMAHAWK	4644	3426	8070
9001	ALGONQUIN	4865	3714	8578
9002	120	4845	3587	8432
9003	GLORY	4604	3403	8006
9004	IROQUOIS	4524	3195	7719
9006	OAC MINTO	4313	3253	7566
9009	526	4774	3351	8125
9015	THUNDER	4343	3472	7815
9018	WL 222	4463	3530	7993
9051	SHIELD	4634	3703	8337
9052	CROWN	4554	3807	8360
9062	ULTRA	4674	3818	8492
HARV MEANS		4728	3506	8234
LSD (5%)		735.5	467.8	901.5
CV %		11.0	9.5	7.8

Alfalfa performance trial A, seeded 1989,
harvested 1990, Thunder Bay

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1001 SARANAC	4504	3677	8181
1017 532	4698	3717	8415
1023 TRUMPETOR	3953	3954	7907
1025 VISTA	4860	3796	8656
1030 ARMOR	4082	3875	7958
1033 PRESERVE	4212	3836	8048
1039 EXCALIBUR	4795	3796	8591
1046 AWARD	4698	4310	9008
1055 ADVANCE	4342	3994	8335
1067 CRUSADER	4730	4033	8764
1074 ARROW	4277	3757	8033
1079 TOMAHAWK	4568	4271	8839
9001 ALGONQUIN	4374	3915	8289
9002 120	4406	3875	8282
9003 GLORY	4536	4231	8767
9004 IROQUOIS	4277	3954	8231
9006 OAC MINTO	4698	3954	8652
9009 526	4180	3677	7857
9015 THUNDER	4795	3598	8394
9018 WL 222	4828	4231	9059
9051 SHIELD	4212	3796	8008
9052 CROWN	4666	3994	8659
9062 ULTRA	4633	3638	8271
HARV MEANS	4492	3908	8400
CV %	7.1	8.9	5.9
LSD (5%)	438.9	479.6	682.9

Alfalfa performance trial A, seeded 1989,
harvested 1990, New Liskeard

CULTIVAR	MEAN YIELD (Kg/Ha)		
	CUT 1	CUT 2	TOTAL
1033 PRESERVE	4387	5664	10050
1079 TOMAHAWK	4525	5436	9961
9052 CROWN	4455	5425	9880
1025 VISTA	4189	5552	9740
9062 ULTRA	4256	5434	9690
1074 ARROW	4351	5258	9609
9004 IROQUOIS	4233	5293	9526
1023 TRUMPETOR	4202	5324	9526
9009 526	4320	5179	9499
9015 THUNDER	4290	5181	9471
1039 EXCALIBUR	4191	5271	9461
1067 CRUSADER	4196	5206	9402
1001 SARANAC	4270	5128	9399
1030 ARMOR	4144	5249	9393
9018 WL 222	4260	5087	9347
1055 ADVANCE	4288	4981	9268
9002 120	4226	5016	9242
1046 AWARD	4105	5135	9240
9001 ALGONQUIN	4108	5126	9233
9003 GLORY	4204	4992	9196
9051 SHIELD	4204	4887	9091
1017 532	4331	4674	9005
9006 OAC MINTO	4037	4966	9003
HARV MEANS	4251	5194	9445
LSD (5%)	169	261	289
CV %	6.4	8.0	4.9

Alfalfa performance trial B, seeded 1989,
harvested 1990, New Liskeard

		MEAN YIELD (Kg/Ha)		
	CULTIVAR	CUT 1	CUT 2	TOTAL
1071	BELL RINGER	4804	6044	10848
9050	SURE	4632	5781	10414
1056	88	4335	5950	10285
1039	EXCALIBUR	4508	5762	10270
9040	MOHAWK	4661	5591	10252
1006	APICA	4650	5574	10224
9023	COMSEL	4239	5976	10215
1021	THOR	4709	5414	10123
1009	BLAZER	4641	5472	10113
1073	SURPASS	4503	5558	10061
1001	SARANAC	4666	5364	10030
1078	EDGE	4493	5536	10030
1084	VERTA +	4460	5545	10005
1014	HUNTER	4345	5600	9945
1057	ADMIRL	4475	5469	9944
1016	PEAK	4536	5373	9909
9027	NOBLE	4427	5578	9905
1028	ALOUETTE	4477	5414	9891
1048	WL 316	4525	5322	9846
9032	AMBASSADOR	4452	5377	9829
9002	120	4367	5462	9828
1012	CLASSIC	4440	5346	9787
9011	VALOR	4410	5352	9761
1053	EAGLE	4391	5323	9714
1063	MAGNUM +	4150	5554	9704
HARV MEANS		4492	5545	10037
LSD (5%)		126	231	271
CV %		4.7	7.0	4.5

Alfalfa performance trial C, seeded 1989,
harvested 1990, Ridgetown

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	5812	4868	3065	13745
1003 ANCHOR	5909	4567	3237	13712
1004 ANGUS	6463	4815	2967	14245
1011 CITATION	5842	3755	3383	12980
1018 PRIMAL	5844	4027	3387	13258
1019 REGAL	5648	4600	3500	13748
1020 SPECTRUM	5580	3472	3718	12769
1024 TURBO	6094	4344	3401	13839
1039 EXCALIBUR	6040	4103	3493	13637
1040 DK-135	5665	4852	3247	13764
1047 APOLLO II	5634	3921	3348	12903
1052 HUSKY	6072	4602	3647	14321
1076 G2852	5741	4396	3540	13677
1082 PINNACLE	5751	4973	3161	13885
1085 DK 125	6267	5201	3426	14894
1092 CHIEF	5847	4210	3505	13562
9002 120	6429	4521	3325	14275
9005 MAGNUM	5846	4053	3679	13579
9022 OLINDA	5645	4007	3513	13166
9041 ONEIDA VR	5367	4332	3330	13029
9053 CENTURION	6187	5391	3423	15002
HARV MEANS	5890	4429	3395	13714
CV %	4.6	18.8	9.0	6.4
LSD (5%)	320.0	985.8	361.9	1038.2

Alfalfa performance trial C, seeded 1989,
harvested 1990, Thunder Bay

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1001 SARANAC	3852	3001	6853
1003 ANCHOR	4142	3056	7198
1004 ANGUS	4353	3137	7491
1011 CITATION	4301	3192	7493
1018 PRIMAL	4116	3192	7308
1019 REGAL	3984	3274	7258
1020 SPECTRUM	3905	3028	6933
1024 TURBO	4090	3083	7172
1039 EXCALIBUR	4037	3274	7311
1040 DK-135	3826	2892	6718
1047 APOLLO II	3773	2810	6583
1052 HUSKY	3984	3192	7176
1076 G2852	4090	3274	7363
1082 PINNACLE	3826	2892	6718
1085 DK 125	4248	3328	7576
1092 CHIEF	4169	3356	7524
9002 120	4142	3247	7389
9005 MAGNUM	4221	3028	7250
9022 OLINDA	4221	2755	6977
9041 ONEIDA VR	4195	3165	7360
9053 CENTURION	4090	3219	7309
HARV MEANS	4074	3114	7188
CV %	8.2	8.6	6.3
LSD (5%)	395.6	316.1	536.5

Alfalfa performance trial C, seeded 1989,
harvested 1990, New Liskeard

		MEAN YIELD (Kg/Ha)		
CULTIVAR		CUT 1	CUT 2	TOTAL
9041	ONEIDA VR	4769	5853	10622
1076	G 2852	4601	5889	10490
9002	120	4645	5774	10419
1004	ANGUS	4731	5662	10393
9022	OLINDA	4647	5737	10384
1082	PINNACLE	4357	5984	10341
9053	CENTURION	4658	5677	10336
1092	CHIEF	4662	5668	10330
1085	DK-125	4570	5731	10301
1003	ANCHOR	4478	5727	10205
9005	MAGNUM	4477	5719	10196
1039	EXCALIBUR	4407	5766	10173
1001	SARANAC	4502	5626	10128
1052	HUSKY	4286	5798	10084
1011	CITATION	4309	5772	10081
1018	PRIMAL	4496	5581	10076
1024	TURBO	4384	5507	9892
1019	REGAL	4388	5462	9849
1047	APOLLO II	4288	5488	9775
1040	DK-135	4328	5361	9689
1020	SPECTRUM	4192	5397	9588
HARV MEANS		4484	5675	10160
LSD (5%)		153	292	331
CV %		5.2	7.8	4.9

PERSISTENCE DATA
 Alfalfa registration trial B, seeded 1987,
 harvested 1990, Ottawa

		MEAN YIELD (kg/ha)	
CULTIVAR	CUT1 TOTAL	% OF CHECKS	
1011 CITATION	6219	-	
1039 EXCALIBUR	4861	-	
9002 120	5987	-	
1001 SARANAC	5647	-	
9004 IROQUOIS	6505	-	
1100 MPR	6344	107.6	
1101 A25	6523	110.7	
1102 BPR-335	5737	97.4	
1103 NAPB-25	6666	113.1	
1104 LSC-725	5308	90.1	
1105 LSC-726	5594	94.9	
1106 LSC-728	6255	106.1	
1107 NK-85-32	5576	94.6	
1108 NK-85-45	6076	103.1	
1109 NK-86-109	6183	104.9	
1110 S36	5558	94.3	
1111 S88	5201	88.3	
1112 A871	6398	108.6	
1113 XAR-53	6487	110.1	
1114 YAR-64	6577	111.6	
1115 82A	7131	121.0	
1116 OAC-83-110	4932	83.7	
9065 CW541	7256	123.1	
9066 LSC-724	6183	104.9	
9067 LSC-727	6398	108.6	
9068 NK-85-48	5236	88.9	
9069 NK-86-638	7613	129.2	
9070 NK-86-92	7113	120.7	
9071 NAPB-31	5701	96.7	
9072 IMPACT	5719	97.1	
9073 A-872	6738	114.3	
HARV MEANS		6120	
LSD (5%)		1932	
CV %		14.5	

PERSISTENCE DATA

Alfalfa registration trial B, seeded 1987,
harvested 1990, Thunder Bay

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	TOTAL	% OF CHECKS
1001	SARANAC	3256	3020	6276	-
1011	CITATION	3497	3241	6738	-
1039	EXCALIBUR	2492	3297	5788	-
1100	MPR	3737	3435	7172	115
1101	A25	3541	3463	7003	112
1102	BPR 335	3868	3158	7026	112
1103	NAPB 25	3519	3130	6649	106
1104	LSC 725	4196	3574	7770	124
1105	LSC 726	3825	3546	7371	118
1106	LSC 728	3934	3795	7729	123
1107	NK 85-32	3103	3518	6622	106
1108	NK 85-45	3038	3186	6224	99
1109	NK 86-109	3137	3343	6481	103
1110	ECHO	3557	3417	6974	111
1111	NEW ERA 90	3300	3103	6403	102
1112	APOLLO SUPRE	3832	3492	7324	117
1113	5331	3431	3241	6672	107
1114	5364	3715	3740	7455	119
1115	82 A	4021	3352	7373	118
1116	OAC 83-110	2972	2964	5936	95
9002	120	3475	3629	7104	-
9004	IROQUOIS	3759	3574	7333	-
9065	G2841	3344	3103	6447	89
9066	LSC 724	3737	3297	7034	98
9067	LSC 727	4153	3823	7975	111
9068	NK 85-48	3409	3103	6512	90
9069	NK 86-638	3322	3047	6369	88
9070	NK 86-92	3125	3241	6366	88
9071	CLIPPER	3803	3546	7349	102
9072	IMPACT	3497	3213	6710	93
9073	98	3235	2992	6226	86
HARV MEANS		3511	3341	6852	
CV %		6.2	9.2	5.6	
LSD (5%)		256.9	362.6	454.6	

PERSISTENCE DATA
 Alfalfa registration trial D, seeded 1989,
 harvested 1990, Kapuskasing

CULTIVAR	MEAN YIELD (Kg/ha)				% OF CHECK
	CUT 1	CUT 2	CUT 3	TOTAL	
1039 EXCALIBUR	2224	1423	1268	4915	-
9002 120	2646	1774	1167	5587	-
1128 533	2577	1745	1369	5691	108
1160 MEDALLION	2384	1859	1385	5628	107
1152 VS 775	2453	1774	1308	5535	105
1148 870S	2269	1878	1377	5524	105
1184 LSC 928	2300	1841	1371	5512	105
1001 SARANAC	2491	1719	1299	5509	-
1124 AP8632	2312	1783	1323	5418	103
1120 B853	2403	1668	1261	5332	102
1172 AP8831	2376	1695	1222	5293	101
1132 84T34 (NS881)	2107	1747	1221	5075	97
1136 NK 87756	2279	1541	1125	4945	94
1188 VS-622	2077	1691	1151	4919	94
1168 AP 8743	2136	1604	1130	4870	93
1156 87758	2083	1655	1127	4865	93
1144 C268	2057	1531	1274	4862	93
1164 WL 317	2059	1556	1109	4724	90
1140 LSC VECTOR	1953	1635	1116	4704	90
1176 XAL 72	2138	1502	1028	4668	89
1180 86 PR 221	1890	1648	887	4425	84
HARV MEANS	2248	1679	1215	5143	
LSD (5%)	521	289	256	930	
CV %	16.4	12.2	14.9	12.8	

BACTERIAL WILT TEST ,1990 , OTTAWA

ENTRY	ADJUSTED % R	DSI
1006 APICA	38.7	1.6
1189 XAM 84	47.1	1.16
1190 YAM 91	47.5	1.13
1191 YAE 92	50.3	0.73
1192 86-20	50.8	0.74
1193 87777	48.0	0.99
1194 88778	49.8	0.94
1196 90ML4-NK	41.1	1.23
1200 WL87-122	42.9	1.06
1201 WL88-6	43.9	1.32
1212 TRIDENT II	52.6	0.63
1213 LSC9010	53.1	0.73
1214 LSC9011	49.8	0.83
1215 8623B	55.4	0.59
1216 86-15	45.3	0.99
1226 P1859	37.3	1.22
1227 B2186	48.9	1.02
DU PUIITS	8.8	3.62
VERNAL	42.0	1.22
LSD (0.10)		.22

BROMEGRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended Varieties

Baylor Beacon Bravo Saratoga Tempo

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
2044	Ott-PXBC 2	Ottawa	No support 90, testing complete	7
2045	Ott-PXBC 4	Ottawa	No support 90, testing complete	7
2046	Kesto	Speare		3
2047	PXBD 01	Ottawa		3
2049	86B	Szego		1
2050	Rebound	Zuelzer		0
2051	Radison	OFCC		0

ONTARIO FORAGE CROPS COMMITTEE
 1987 Ottawa Bromegrass
 1990 dry matter yield (kg/ha)

entry	code	cut1
BAYLOR	2001	5060
SARATOGA	2002	5261
BLAIR	2012	4864
TEMPO	2024	5056
BEACON	2027	5254
BRAVO	2039	5206
PXBC-2	2044	4211
PXBC-4	2045	4423
MEAN		4917
CV (%)		7.9

ONTARIO FORAGE CROPS COMMITTEE
 1987 Thunder Bay Bromegrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	3392	3110	6502
SARATOGA	2002	3906	2741	6647
BLAIR	2012	3729	2895	6624
TEMPO	2024	3545	2693	6238
BEACON	2027	3672	2990	6662
BRAVO	2039	3993	3113	7106
PXBC-2	2044	2202	2643	4845
PXBC-4	2045	3680	2845	6525
MEAN		3515	2879	6394
CV (%)		11.9	12.1	10.1

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Bromegrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	7580	2983	10563
SARATOGA	2002	6624	2671	9295
TEMPO	2024	6863	2837	9700
BEACON	2027	7100	3158	10258
BRAVO	2039	6831	3144	9975
KESTO	2046	6681	2546	9227
PXBD-01	2047	7054	3053	10107
MEAN		6962	2913	9875
CV (%)		4.9	15.7	7.3

ONTARIO FORAGE CROPS COMMITTEE
 1989 Kapuskasing Bromegrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	4245	2013	6258
SARATOGA	2002	5093	2089	7182
TEMPO	2024	4921	2161	7082
BEACON	2027	4646	1954	6600
BRAVO	2039	6136	2216	8352
KESTO	2046	4538	2067	6605
PXBD-01	2047	5631	2248	7879
86B	2049	4741	2362	7103
MEAN		4994	2139	7133
CV (%)		8.4	12.5	7.1

ORCHARDGRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended Varieties

Hallmark	Kay	Napier	Rapido
Juno	Mobite	Rancho	Sumas

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
3070	SF 8501	St. Foy	No support 90, testing completed	20
3071	Pacific	Oseco	No support 90, re-examine 91	17
3072	DS 7	Parsons	No support 90, testing completed	17
3073	OSG 13	U. of Guelph	Support for reg., defer (1)	14
3074	OSG 16	U. of Guelph	Support for reg., defer (1)	17
3075	Syn 8501	UCO	No support 90, re-examine 91	10
3077	Justus	Richardson	No support 90, re-examine 91	10
3078	PXOD 01	Ottawa	Support for reg., defer (1)	10
3079	OKAY	Pickseed		3
3080	PXOE 01	Ottawa		3
3082	8901	UCO		0
3083	PXOE-02	Ottawa		0
3084	PXOE-03	Ottawa		0
3085	PXOE-04	Ottawa		0

ONTARIO FORAGE CROPS COMMITTEE
 1987 Kapuskasing Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	2206	580	2786
HALLMARK	3027	1670	1043	2713
JUNO	3001	1765	814	2579
NAPIER	3009	1262	714	1976
SUMAS	3046	1999	784	2783
RANCHO	3069	1675	578	2253
SF8501	3070	2621	720	3341
PACIFIC	3071	1700	732	2432
DS-7	3072	1796	742	2538
OSG-13	3073	2751	1640	4391
OSG-16	3074	1936	558	2494
MEAN		1944	810	2753
CV (%)		10.3	10.9	9.4

ONTARIO FORAGE CROPS COMMITTEE
 1987 New Liskeard Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	5503	2589	8092
HALLMARK	3027	4406	1982	6388
JUNO	3001	5391	1653	7044
NAPIER	3009	5806	2167	7973
SUMAS	3046	5698	2372	8070
RANCHO	3069	5731	2159	7890
SF8501	3070	6063	2876	8939
PACIFIC	3071	5376	1937	7313
DS-7	3072	5004	3037	8041
OSG-13	3073	6006	2273	8279
OSG-16	3074	5991	2448	8439
MEAN		5543	2318	7861
CV (%)		14.9	21.6	9.2

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ridgetown Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
KAY	3003	4560	4347	3965	12872
HALLMARK	3027	4947	4262	4756	13965
JUNO	3001	5172	3954	4248	13374
NAPIER	3009	5375	4105	4245	13725
SUMAS	3046	4859	4326	4222	13407
RANCHO	3069	4619	4031	5118	13768
SF8501	3070	4051	3888	4213	12152
PACIFIC	3071	5150	4069	4337	13556
DS-7	3072	4398	4160	4311	12869
OSG-13	3073	4501	4203	4171	12875
OSG-16	3074	4250	3735	4364	12349
SYN8501	3075	5031	4206	4412	13649
MOBITE	3076	4130	4437	4447	13014
JUSTUS	3077	4985	4108	4501	13594
PXOD-01	3078	4148	4185	4204	12537
MEAN		4678	4134	4368	13180
CV (%)		8.7	8.5	4.3	4.4

ONTARIO FORAGE CROPS COMMITTEE
 1988 Kapuskasing Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
KAY	3003	3515	1560	1211	6286
HALLMARK	3027	3632	2216	1900	7748
JUNO	3001	3655	1800	1533	6988
NAPIER	3009	4010	1958	1600	7568
SUMAS	3046	3682	1703	1523	6908
RANCHO	3069	3502	1629	1266	6397
SF8501	3070	4415	1828	1417	7660
PACIFIC	3071	3770	1781	1622	7173
DS-7	3072	3619	2007	1612	7238
OSG-13	3073	3945	1940	1540	7425
OSG-16	3074	3957	1641	1327	6925
SYN8501	3075	3634	2139	1513	7286
MOBITE	3076	3918	1757	1528	7203
JUSTUS	3077	3423	1966	1678	7067
PXOD-01	3078	3794	1877	1425	7096
MEAN		3765	1853	1513	7131
CV (%)		11.4	13.8	12.4	7.6

ONTARIO FORAGE CROPS COMMITTEE
 1988 New Liskeard Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	5629	2790	8419
HALLMARK	3027	5676	2945	8621
JUNO	3001	5619	2398	8017
NAPIER	3009	6184	2709	8893
SUMAS	3046	5622	2793	8415
RANCHO	3069	5570	2997	8567
SF8501	3070	6391	2857	9248
PACIFIC	3071	5321	2704	8025
DS-7	3072	6015	2847	8862
OSG-13	3073	5463	2867	8330
OSG-16	3074	5918	3048	8966
SYN8501	3075	5917	2732	8649
MOBITE	3076	6355	2719	9074
JUSTUS	3077	6171	2497	8668
PXOD-01	3078	6447	3270	9717
MEAN		5887	2812	8698
CV (%)		14.3	12.5	9.8

ONTARIO FORAGE CROPS COMMITTEE
 1989 Ridgetown Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	3739	3921	7660
HALLMARK	3027	4203	4319	8522
JUNO	3001	3578	3985	7563
NAPIER	3009	3993	4234	8227
SUMAS	3046	3988	4085	8073
RAPIDO	3066	3877	4478	8355
RANCHO	3069	4318	4540	8858
PACIFIC	3071	3866	4311	8177
DS-7	3072	3973	4022	7995
OSG-16	3074	3784	4244	8028
SYN8501	3075	4339	4320	8659
MOBITE	3076	4275	4229	8504
JUSTUS	3077	4376	4291	8667
PXOD-01	3078	3826	4168	7994
OKAY	3079	4014	4325	8339
PXOE01	3080	4211	3902	8113
MEAN		4023	4211	8233
CV (%)		8.9	5.4	5.8

ONTARIO FORAGE CROPS COMMITTEE
 1989 Kapuskasing Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
KAY	3003	3330	1841	2091	7262
HALLMARK	3027	3921	2478	2856	9255
JUNO	3001	3907	2220	2436	8563
NAPIER	3009	3849	2471	2767	9087
SUMAS	3046	4001	2251	2383	8635
RAPIDO	3066	3739	2421	2637	8797
RANCHO	3069	3582	2309	2419	8310
PACIFIC	3071	3910	2234	2596	8740
DS-7	3072	3753	2131	2209	8093
OSG-16	3074	4150	2056	2113	8319
SYN8501	3075	3814	2367	2593	8774
MOBITE	3076	4070	2390	2491	8951
JUSTUS	3077	3429	2413	2460	8302
PXOD-01	3078	3889	2176	2036	8101
OKAY	3079	4174	1962	2021	8157
PXOE01	3080	3889	2176	2036	8101
MEAN		3838	2244	2384	8465
CV (%)		11.5	10.2	6.4	5.8

ONTARIO FORAGE CROPS COMMITTEE
 1989 Thunder Bay Orchardgrass
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	3006	4193	7199
HALLMARK	3027	3187	4197	7384
JUNO	3001	3166	4348	7514
NAPIER	3009	2439	4329	6768
SUMAS	3046	2652	4441	7093
RAPIDO	3066	2845	4541	7386
RANCHO	3069	2827	4017	6844
PACIFIC	3071	2319	3921	6240
DS-7	3072	2559	4149	6708
OSG-16	3074	2205	4288	6493
SYN8501	3075	3058	4309	7367
MOBITE	3076	2159	4580	6739
JUSTUS	3077	2728	4086	6814
PXOD-01	3078	3308	4022	7330
OKAY	3079	3246	4231	7477
PXOE01	3080	2941	4504	7445
MEAN		2790	4260	7050
CV (%)		14.8	8.4	8.8

TALL FESCUE VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended Varieties

Stef
Festorina

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
5516	Syn W	Coop	Support for reg., defer (2)	12
5522	Syn A	Ottawa	Support for reg., defer (2)	12
5518	Martin	Oseco	Support for reg., defer (1)	12
5520	FA 293	Oseco	No support 90, testing completed	12
5521	FA 295	Parsons	No support 90, testing completed	12
5523	Courtenay	Parsons		5
5524	FA 8CD	Oseco		5
5525	TF-1	Richardson		5
5526	MCF101	McDonald College		2
5527	MCF102	McDonald College		2
5528	TF8872			0

ONTARIO FORAGE CROPS COMMITTEE
 1987 Ottawa Tall Fescue
 1990 dry matter yield (kg/ha)

entry	code	cut1
SYN A	5522	2404
STEF	5517	2228
MARTIN	5518	3565
FESTORINA	5519	2618
FA 293	5520	1743
FA 295	5521	3565
SYN W	5516	2575
MEAN		2671
CV (%)		16.7

ONTARIO FORAGE CROPS COMMITTEE
 1987 Thunder Bay Tall Fescue
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
SYN A	5522	2800	2852	5652
STEF	5517	2408	2678	5086
MARTIN	5518	2458	1923	4381
FESTORINA	5519	2374	2209	4583
FA 293	5520	1841	2137	3978
FA 295	5521	2057	1999	4056
SYN W	5516	1903	2077	3980
MEAN		2263	2268	4531
CV (%)		15.9	15.0	9.6

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ridgetown Tall Fescue
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
SYN. A	5522	5084	4280	5145	14509
STEF	5517	5750	3734	4865	14349
SYN. W	5516	6853	3115	4950	14918
MARTIN	5518	7085	3424	5775	16284
FESTORINA	5519	6115	4456	5034	15605
FA-293	5520	7149	3596	5129	15874
FA-295	5521	6672	4307	5004	15983
COURTENAY	5523	6420	3606	5488	15514
FA 8CD	5524	5529	3690	5499	14718
TF-1	5515	6551	3655	4929	15135
MEAN		6321	3786	5182	15289
CV (%)		7.0	15.6	7.9	5.9

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Tall Fescue
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
SYN. A	5522	4257	3124	7381
STEF	5517	4607	2758	7365
SYN. W	5516	4551	2322	6873
MARTIN	5518	5314	2244	7558
FESTORINA	5519	4451	1944	6395
FA-293	5520	4332	2202	6534
FA-295	5521	3691	2016	5707
COURTENAY	5523	4992	2859	7851
FA 8CD	5524	4482	2674	7156
TF-1	5515	4816	2079	6895
MEAN		4549	2422	6972
CV (%)		7.9	13.7	7.5

ONTARIO FORAGE CROPS COMMITTEE
 1988 Kapuskasing Tall Fescue
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
SYN. A	5522	2921	3104	1331	7356
STEF	5517	3283	2751	1253	7287
SYN. W	5516	2579	2628	1307	6514
MARTIN	5518	2408	2482	1225	6115
FESTORINA	5519	2631	2377	1254	6262
FA-293	5520	2087	2506	1179	5772
FA-295	5521	1820	2509	1315	5644
COURTENAY	5523	3157	2911	1212	7280
FA 8CD	5524	2803	2614	1253	6670
TF-1	5515	2978	2489	1221	6688
MEAN		2667	2637	1255	6559
CV (%)		13.9	7.7	8.5	8.3

ONTARIO FORAGE CROPS COMMITTEE
 1989 Elora Tall Fescue
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
SYN. A	5522	4003	2033	1463	7499
STEF	5517	4199	2107	1847	8153
SYN. W	5516	5063	1428	765	7256
MARTIN	5518	5380	1858	1035	8273
FESTORINA	5519	6304	1404	866	8574
FA-293	5520	4547	1266	913	6726
FA-295	5521	5074	1690	905	7669
COURTENAY	5523	5450	2185	1585	9220
FA 8CD	5524	4491	2174	1158	7823
TF-1	5515	6345	1278	696	8319
MCF-101	5526	3818	2259	1592	7669
MCF-102	5527	4816	2098	1373	8287
MEAN		4958	1815	1183	7956
CV (%)		6.9	23.4	17.9	7.4

ONTARIO FORAGE CROPS COMMITTEE
 1989 Ottawa Tall Fescue
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
SYN. A	5522	3948	2980	6928
STEF	5517	4052	2813	6865
SYN. W	5516	4373	2072	6445
MARTIN	5518	4557	1767	6324
FESTORINA	5519	4439	1954	6393
FA-293	5520	4060	2076	6136
FA-295	5521	3673	1861	5534
COURTENAY	5523	5121	3185	8306
FA 8CD	5524	3484	2561	6045
TF-1	5515	4557	2125	6682
MCF-101	5526	3735	2870	6605
MCF-102	5527	4152	2883	7035
MEAN		4179	2429	6608
CV (%)		16.3	11.6	11.1

TIMOTHY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended in Publication 296

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

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
6093	81009	Pickseed	Support for reg., defer (4)	-
6102	Syn S	UCO	Support for reg., defer (2)	-
6098	TM85-1	Pickseed	No support 90, testing complete	17
6099	TM85-2	Pickseed	No support 90, testing complete	17
6100	Lirocco	Oseco	No support 90, testing complete	12
6101	Hokusen	Oseco	No support 90, re-examine in 91	14
6066	Mohawk	UCO	Support for reg., defer (1)	24
6103	PXTA 01	Ottawa		7
6104	PXTA 04	Ottawa		7
6105	PXTA 09	Ottawa		7
6106	Promesse	Brett-Young		2
6107	EPHP 10	Brett-Young		2
6108	EPHP 18	Brett-Young		2
6109	NY83-1	UCO		2
6110	NY83-2	UCO		2
6111	PXTE-01	Ottawa		2
6112	PXTE-02	Ottawa		2
6113	PXTE-04	Ottawa		2
6114	SV8414	Bonis		0
6115	SV8406	Bonis		0
6116	SV8505	Bonis		0
6117	Alex	Brett-Young		0
6118	Extremo	Brett-Young		0
6119	Liphlea	Brett-Young		0
6120	PXTE-05	Ottawa		0

ONTARIO FORAGE CROPS COMMITTEE
1987 Ottawa Timothy
1990 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	4302
TIMFOR	6040	4856
MOHAWK	6066	4621
WWT 118	6097	4660
TM 85-1	6098	4578
TM 85-2	6099	4052
LIROCCO	6100	4147
HOKUSEN	6101	3792
SYN-S	6102	4132
MEAN		4349
CV (%)		12.5

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Timothy
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	6275	2529	8804
TIMFOR	6040	6026	2800	8826
MOHAWK	6066	6025	2798	8823
WWT 118	6097	5684	2453	8137
TM 85-1	6098	6326	2960	9286
TM 85-2	6099	5969	2243	8212
LIROCCO	6100	5683	2311	7994
HOKUSEN	6101	5338	2364	7702
SYN-S	6102	5119	2521	7640
PXTA-01	6103	6911	2604	9515
PXTA-04	6104	6183	2810	8993
PXTA-09	6105	5917	2216	8133
MEAN		5955	2551	8505
CV (%)		9.4	13.9	8.0

ONTARIO FORAGE CROPS COMMITTEE
 1988 New Liskeard Timothy
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5807	2853	8660
TIMFOR	6040	5802	2800	8602
MOHAWK	6066	9303	3132	12435
WWT 118	6097	5828	2381	8209
TM 85-1	6098	5552	3090	8642
TM 85-2	6099	5500	2704	8204
LIROCCO	6100	6072	2417	8489
HOKUSEN	6101	6512	2108	8620
SYN-S	6102	6606	2767	9373
PXTA-01	6103	4783	3051	7834
PXTA-04	6104	6045	2773	8818
PXTA-09	6105	4963	2494	7457
MEAN		6064	2714	8779
CV (%)		9.6	9.3	6.8

ONTARIO FORAGE CROPS COMMITTEE
 1989 Elora Timothy
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	4567	3039	7606
TIMFOR	6040	4921	3108	8029
MOHAWK	6066	4727	3244	7971
HOKUSEN	6101	4363	2754	7117
SYN-S	6102	4744	3366	8110
PXTA-01	6103	4336	3450	7786
PXTA-04	6104	4441	3052	7493
PXTA-09	6105	4271	2845	7116
PROMESSE	6106	4516	2704	7220
EPHP10	6107	4639	2884	7523
EPHP18	6108	4479	2218	6697
NY 83-1	6109	4817	3063	7880
NY 83-2	6110	4654	3455	8109
PXTE-01	6111	4447	3047	7494
PXTE-02	6112	4321	3156	7477
PXTE-04	6113	3880	3347	7227
MEAN		4243	2867	7109
CV (%)		7.1	7.4	5.9

ONTARIO FORAGE CROPS COMMITTEE
 1989 Kapuskasing Timothy
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	4815	3282	8097
TIMFOR	6040	4449	3686	8135
MOHAWK	6066	4716	3683	8399
HOKUSEN	6101	3217	3304	6521
SYN-S	6102	4411	3687	8098
PXTA-01	6103	3594	3903	7497
PXTA-04	6104	5122	3293	8415
PXTA-09	6105	4339	2680	7019
PROMESSE	6106	3547	3425	6972
EPHP10	6107	3947	3575	7522
EPHP18	6108	3713	2933	6646
NY 83-1	6109	4960	3078	8038
NY 83-2	6110	4848	3084	7932
PXTE-01	6111	3865	4106	7971
PXTE-02	6112	4668	3080	7748
PXTE-04	6113	3564	3689	7253
MEAN		3987	3205	7192
CV (%)		12.6	8.9	7.0

ONTARIO FORAGE CROPS COMMITTEE
 1987 Kapuskasing Timothy Performance
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5000	1498	6498
TIMFOR	6040	4244	1538	5782
WINMOR	6075	4380	1486	5866
PRONTO	6037	4231	1665	5896
RICHMOND	6050	3899	2200	6099
CHAMP	6005	3449	2067	5516
MARIPOSA	6081	4191	2158	6349
SALVO	6062	3604	2158	5762
TORO	6030	3320	2328	5648
ITASCA	6026	4373	1666	6039
BASHO	6009	4122	1591	5713
ALEXANDER	6086	4005	1780	5785
MEAN		4068	1845	5913
CV (%)		13.2	10.2	9.5

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Timothy Performance
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5218	2320	7538
TIMFOR	6040	5471	3007	8478
ALEXANDER	6086	5133	2822	7955
BASHO	6009	5247	2758	8005
CHAMP	6005	5055	3035	8090
ITASCA	6026	4642	2479	7121
MARIPOSA	6081	4642	2479	7121
RICHMOND	6050	5491	3067	8558
SALVO	6062	5452	2780	8232
TORO	6030	4452	2740	7192
WINMOR	6075	5414	2759	8173
K215	6074	5007	2551	7558
MEAN		5102	2733	7835
CV (%)		11.6	11.5	8.2

ONTARIO FORAGE CROPS COMMITTEE
 1989 New Liskeard Timothy Performance
 1990 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5770	4273	10043
TIMFOR	6040	5423	4583	10006
ALEXANDER	6086	5700	4518	10218
BASHO	6009	5671	4581	10252
CHAMP	6005	4949	4345	9294
ITASCA	6026	5162	4590	9752
MARIPOSA	6081	4783	4560	9343
RICHMOND	6050	5935	4685	10620
SALVO	6062	4431	3822	8253
TORO	6030	4873	4532	9405
WINMOR	6075	5685	4201	9886
K215	6074	4677	4190	8867
MEAN		5255	4407	9662
CV (%)		14.0	10.1	9.1

REED CANARY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended Varieties

Palaton Vantage Venture

Varieties Under Test

NONE

MEADOW FOXTAIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended in Publication 296

Mountain Dan

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
5504	G4549	OFCC	Deferred support expired	-
5507	G4554	OFCC	Deferred support expired	-
5508	G4550	OFCC	Dropped at company request	-

BIRDSFOOT TREFOIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended Varieties

Empire Leo Upstart

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
7034	BT86-1 (Bull)	Pickseed	Support for reg., defer (3)	10
7035	Bonnie	Oseco		3
7036	T384	U. of Guelph		1
7037	8 Syn3	U. of Guelph		0

Trefoil Deletions Data 1990

	Thunder Bay 89-90	Kap 88-90	Kap 88-89	New Liskeard 86-88
Leo	8294	4213	4385	4838
Empire	7256	4294	3903	5112
Upstart	7587	4022	3976	4386

	New Liskeard 86-87	Ottawa 86-87	Kap 86-87
Leo	7110	4760	5180
Empire	7288	4096	5068
Upstart	6479	4691	5213

	Mean	% of Check
Leo	5540	100
Empire	5288	95.5
Upstart	5193	93.7

TREFOIL KAPUSKASING

SEEDED 1988

A: TK88.90

HARVESTED 1990

CULTIVARS	C-1	C-2	TOTAL	
EMPIRE	2703	1591	7003	4294
LEO	2755	1458	7001	4213
BT86-1	2556	1545	7034	4101
UPSTART	2591	1431	7033	4022
BONNIE	2439	1570	7035	4009
MEAN	2609	1519	4128	
C.V. %	11.2	6.2	6.7	
F	N.S.	N.S.	N.S.	
L.S.D. 5%	450	144	429	
HARVEST DATES	07/05/90	08/09/90		

Trefoil trial, seeded 1989,
harvested 1990, Thunder Bay

A. 11089.90

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
7001 LEO	4717	3577	8294
7003 EMPIRE	4030	3226	7256
7033 UPSTART	4141	3446	7587
7034 BT 86-1	4271	3489	7761
7035 BONNIE	3714	3248	6962
7036 T384	4030	3446	7475
HARV MEANS	4151	3405	7556
CV %	6.8	3.8	4.3
LSD (5%)	348.7	161.3	402.7

RED CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended Varieties

Arlington Atlas Florex Persist Prosper I Walter

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
4054	CRS2	Charlottetown	No support 90, re-examine 91	7
4057	MSR97	Mapleseed	Support for reg., defer (1)	5
4056	CRS4	Charlottetown		5
4058	Lero	Nemec		5
4059	AP86 R-01	Oseco		5
4060	VS 454 W	Nemec		5
4061	VS 454 C	Nemec		5
4062	HK	Richardson		5
4063	Marathon	OFCC		5
4064	RCPopB	Coop		2
4065	CRS 6	Charlottetown		2
4066	OACRC487	U. of Guelph		2
4067	RC887	U. of Guelph		0
4068	AP89-R-01	Oseco		0
4069	PSRC-1	Pickseed		0

Red clover trial, seeded 1988,
harvested 1990, Ridgetown.

A:KCR88.90

MEAN YIELD (kg/ha)				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
4002 LAKELAND	4841	3042	2195	10078
4017 FLOREX	5042	3051	2064	10156
4023 ARLINGTON	4617	2704	2346	9667
4027 PROSPER I	5305	3263	1963	10531
4034 PERSIST	5188	3216	1682	10085
4036 ATLAS	5183	3142	2050	10376
4054 CRS 2	4359	2719	1962	9040
4055 WALTER	4997	3267	2020	10284
4056 CRS4	4743	3434	2212	10390
4057 MSR97	5067	3407	2216	10689
4058 LERO	4951	2305	1938	9193
4059 AP86R-01	5444	3427	2127	10998
4060 VS 454W	4965	3004	2078	10047
4061 VS 454C	5455	3201	1913	10570
4062 HK	3304	2726	1830	7860
4063 MARATHON	4863	3077	2160	10100
HARV MEANS	4895	3062	2047	10004
CV %	12.4	8.7	13.0	7.6
LSD (5%)	839.8	369.7	368.0	1049.1

Red clover trial, seeded 1989,
harvested 1990, Elora

A-RCCLOR 89.90

		MEAN YIELD (kg/ha)		
CULTIVAR		CUT 1	CUT 2	TOTAL
4017	FLOREX	5002	3725	8727
4023	ARLINGTON	4436	3707	8144
4027	PROSPER I	5247	3659	8906
4034	PERSIST	5381	3793	9173
4036	ATLAS	4845	3796	8640
4054	CRS 2	5155	3885	9040
4055	WALTER	5323	4199	9522
4056	CRS4	4708	3697	8406
4057	MSR97	4813	3581	8394
4058	LERO	4781	3929	8710
4059	AP86R-01	4918	3881	8799
4060	VS 454W	5008	3818	8826
4061	VS 454C	4627	3555	8182
4062	HK	4426	3382	7808
4063	MARATHON	4741	4034	8775
4064	RCPopB	4819	3931	8750
4065	CRS 6	4707	3838	8545
4066	OAC RC487	5135	3951	9086
HARV MEANS		4893	3798	8691
CV %		8.9	9.9	7.9
LSD (5%)		520.4	449.6	813.8

RED CLOVER TEST 1989

A=RCNL89-90

New Liskeard College of Agricultural Technology

HARVESTED: 1990

YIELDS: ALL YIELDS ARE REPORTED AS kg/ha

VARIETY	1ST CUT JUNE 25	2ND CUT AUG. 3	TOTAL YIELD
ATLAS	3586.5	3562.1	4036 7148.6
LERO	3240.9	3878.7	4058 7119.6
PERSIST	3552.9	3509.1	4034 7062.0
MSR 97	3388.5	3644.3	4057 7032.8
MARATHON	3402.1	3571.2	4063 6973.3
OAC RC487	3344.1	3590.3	4066 6934.4
AP 86R-01	3160.7	3616.6	4059 6777.3
FLOREX	3160.7	3531.6	4017 6692.3
CRS 4	3235.8	3427.7	4054 6663.4
WRC	3153.7	3490.3	4055 6644.0
PROSPER I	3302.4	3267.7	4027 6570.1
ARLINGTON	2976.8	3379.2	4023 6356.0
CRS 2	2941.9	3395.2	4054 6337.1
VS 454C	2500.1	3632.9	4061 6133.0
CRS 6	2553.1	3437.8	4065 5990.9
VS 454W	2426.9	3355.1	4060 5781.9
RCPopB	2534.4	3228.8	4064 5763.2
HK	1962.6	2938.5	4062 4901.1
AVERAGE	3023.6	3469.8	6493.4
LSD(.05)	221.3 kg/ha	189.5 kg/ha	279.4 kg/ha
LSD(.01)	304.2 kg/ha	260.4 kg/ha	384.1 kg/ha
C.V.	10.11 %	7.55 %	5.95 %

KAPUSKASING 1990

EXP. 6570

AIRCK 88.90

1988 OFCC RED CLOVER TRIAL

CULTIVARS		% WINTERKILL		<u>persistence file</u>
VS 454W	4060	92.5	15	
CRS 2	4054	68.8	31.2	
ARLINGTON	4023	76.3	23.7	
FLOREX	4017	67.5	32.5	
WRC	4055	71.3	28.7	
MSR 97	4057	87.5	12.5	
AP 86R-01	4059	80.0	20	
LERO	4058	76.3	23.7	
CRS 4	4056	63.8	34.2	
ATLAS	4036	55.0	45	
HK	4062	98.8	1.2	
PERSIST	4034	37.5	62.5	
LAKELAND	4002	78.8	21.2	
PROSPER 1	4027	76.3	23.7	
MARATHON	4063	70.0	30	
VS 454-C	4061	91.3	8.7	
MEAN		74.5		

RED CLOVER - ELMIRA

SEEDED 1988

PERSISTANCE 1990

Renova	1	50.0
Florex	4017	75.8
Walter	4055	77.5
03-1982-1	4048	46.3
Common DC	2	41.3
Persist	4034	83.8
MSR97	4057	78.8
Marino	4050	75.0
Common sc	3	75.0

A:KCELM88-90

WHITE CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1991

Recommended Varieties

California Ladino Merit Sacramento Canopy

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
8009	Crown	Nemec	Deferred support expired	-
8011	Sonja	Oseco		5
8012	Osceola	Szego		2
8013	Shasta	Szego		2
8014	Alice	Parsons		3

KAPUSKASING 1990
1988 OFCC WHITE CLOVER TRIAL

AF-10C K 88.90

CULTIVARS	C-1	C-2	TOTAL
SACRAMENTO	1910	1818	8005 3728
SONJA	1561	1515	8011 3076
MERIT	1458	1798	8004 3256
CROWN	1460	1797	8009 3257
CANOPY	1407	1764	8010 3170
OSCEOLA	1531	1734	8012 3265
SHASTA	1602	1797	8013 3400
CAL. LADINO	1758	1798	8007 3556
MEAN	1586	1753	3339
C.V.%	14.0	6.4	7.9
LSD 6%	261	132	310
F	**	**	**
HARVEST DATES	05/07	02/08	

White clover trial, seeded 1989,
harvested 1990, Elora

A²WCCLOK 77.76

CULTIVAR	MEAN YIELD (kg/ha)				
	CUT 1	CUT 2	CUT 3	CUT 4	TOTAL
8004 MERIT	2264	2794	759	1169	6985
8005 SACRAMENTO	1427	2901	578	855	5761
8007 CAL. LADINO	1845	2924	509	853	6131
8011 SONJA	2205	2113	171	592	5081
8014 ALICE	2029	2636	557	750	5973
8015 WHITE DUTCH	2105	2382	384	889	5760
HARV MEANS	1979	2625	493	851	5949
CV %	23.6	18.2	38.2	20.6	13.1
LSD (5%)	578.8	591.7	233.3	217.9	969.6

 EXP 7196 WHITE CLOVER TRIAL..... SEEDED 1989 THUNDER BAY

A:WCTB89.90

Harvested 1990

 MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	TOTAL
8004 MERIT	2351	2434	4785
8005 SACRAMENTO	1971	2329	4300
8007 CAL. LADINO	2004	2442	4446
8011 SONJA	2657	2407	5065
8014 ALICE	2167	2350	4516
8015 WHITE DUTCH	1622	2154	3776
HARV MEANS	2129	2353	4481
CV %	13.6	9.2	8.5
LSD (5%)	284.8	212.7	376.1

A-WCNL 87.90

WHITE CLOVER TEST 1989
New Liskeard College of Agricultural Technology

HARVEST YEAR: 1990
YIELDS: ALL YIELDS ARE REPORTED AS kg/ha

VARIETY	1ST CUT JUNE 18	2ND CUT AUG 10	TOTAL YIELD
ALICE	3345.1	4669.7	8014.8
SONJA	3619.7	4047.8	7667.5
MERIT	2378.6	4616.7	6995.3
SACRAMENTO	2492.6	4240.3	6732.9
CALIFORNIA LADINO	2241.9	4298.7	6540.6
WHITE DUTCH	2031.6	4178.0	6209.6
AVERAGE	2684.9	4341.9	7026.8
LSD(.05)	943.9 kg/ha	863.5 kg/ha	1077.8 kg/ha
LSD(.01)	1480.1 kg/ha	1354.0 kg/ha	1690.1 kg/ha
C.V.	21.63 %	12.24 %	9.44 %