

ONTARIO FORAGE CROP INVESTIGATIONS



1991 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

1991 REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

Compiled by: Harvey Wright

Mr. G. Scheifele
Variety Sub-Committee Chair
Ontario Forage Crop Committee
Ridgetown College of Agricultural Technology
Ridgetown, Ontario
NOP 1C0

Conducted co-operatively by:

The Ontario Ministry of Agriculture and Food;
The Crop Science Department, University of Guelph; and
Agriculture Canada.

This is the 1991 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Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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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ONTARIO FORAGE CROP COMMITTEE

VARIETY SUB-COMMITTEE

EXECUTIVE and COORDINATORS

Mr. Gordon Scheifele
Chair,
Variety Sub-Committee

Mr. Harvey Wright
Secretary
Variety Sub-Committee

Dr. Steve Bowley
Alfalfa Coordinator

Mr. John Madill
Red & White Clover and
Birdsfoot Trefoil
Coordinator

Dr. A.R. McElroy
Orchardgrass, Bromegrass,
Reed Canarygrass, Meadow
Foxtail, Tall Fescue,
Timothy.
Forage Quality.

ORGANIZATION

Ridgetown College of
Agricultural Technology
(519) 674-5456
FAX: (519)-674-3504

Plant Industry Branch
O.M.A.F.
(519) 824-4120, Ext. 6763
FAX: (519)-763-3371

Crop Science Department
University of Guelph
(519) 824-4120, Ext. 8704
FAX: (519)-763-8933

Kemptville College of
Agricultural Technology
(613) 258-8444
FAX: (613) 258-8384

Plant Research Centre,
Ottawa
(613) 995-3700
FAX: (613) 992-7909

Testing Locations

Kapuskasing	(705) 335-6148
Thunder Bay	(809) 939-2523
Ridgetown	(519) 674-5456
Kemptville	(613) 258-8444
New Liskeard	(705) 647-6738
Guelph	(519) 824-4120
Ottawa	(613) 995-3700

Name of Cooperators

Mr. L. Guillemette
Mr. J. Wilson
Mr. G. Scheifele
Mr. J. Madill
Mr. John Rowsell
Dr. S. Bowley
Dr. A.R. McElroy

This report is obtainable from:

Mr. Harvey Wright
Secretary, O.F.C.C.
c/o Crop Science Dept.
University of Guelph
Guelph, Ontario N1G 2W1
Tel: (519) 824-4120, Ext. 6763
FAX: (519) 763-3371

ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

Varieties Recommended for Ontario in Publication 296

Admiral	Comsel	Iroquois	5432
Advance	Crown	Legend	Preserve
Algonquin	Crusader	Magnum	Saranac
Alouette	120	Magnum Plus	Shield
Ambassador	DK 122	88	Spectrum
Anchor	DK 125	Mohawk	Starmaster
Angus	DK 135	Noble	Sure
Apica	Eagle	OAC Minto	Surpass
Apollo II	Edge	Olinda	Thor
Apollo Supreme	Excalibur	Oneida VR	Thunder
Armor	Glory	Pickseed 8920 MF	Tomahawk
Arrow	G2833	Pinnacle	Turbo
Award	G2841	526	Ultra
Centurion	G2852	5262	Verta +
Champion	Horizon	5311	WAMPR
Chief	Hunter	532	WL 222
Citation	Husky	5364	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>
9054	LSC 537	Landis	Support for Reg., defer (4)	-
1090	Ott 84-3	Ottawa	Support for reg., defer (4)	-
1104	LSC725	Seed Link	Support for reg., defer (2)	-
1105	LSC726	Seed Link	Support for reg., defer (2)	-
1106	LSC728	Seed Link	Support for reg., defer (2)	-
1111	S88	Parsons	Support for reg., defer (2)	-
1118	Sitel	Labon Inc.	No support, testing completed	7
1119	B852	Pickseed	No support, testing completed	9
1120	B853	Pickseed	No support, testing completed	10
1121	C87	Pickseed	No support, testing completed	11
1122	C89	Pickseed	No support, testing completed	12
1123	C95	Pickseed	No support, testing completed	12
1124	AP8632	King Agro	No support, testing completed	7
1125	AP8624	King Agro	No support, testing completed	8
1127	627	Nemec	No support, testing completed	7
1129	635(2980)	Nemec	Support for reg., defer (1)	8
1130	655(Asset)	Nemec	Support for reg., defer (1)	7
1131	545(Crown)	Nemec	Support for reg., defer (1)	7
1132	84T34 (Premier)	Northstar	No support, testing completed	7
1133	87-A-89	UCO	Support for reg., defer (1)	8
1134	NK87749	N.K.	No support, testing completed	8
1135	NK87754	N.K.	No support, testing completed	8
1136	NK87756	N.K.	No support, testing completed	8
1137	NK87745	N.K.	Support for reg., defer (1)	9
1139	MS 96	Mapleseed	No support, testing completed	7
1140	LSC Vector	Landis	No support, testing completed	7

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1141	LSC 845	Landis	Support for reg., defer (1)	8
1142	LSC 846	Landis	Support for reg., defer (1)	7
1143	LSC 847	Landis	No support, testing completed	7
1144	C268	Norcan	No support, testing completed	7
1145	AP 41	Oseco	No support, testing completed	8
1146	AP 8620	Oseco	No support, testing completed	7
1147	ISI 567	Richardson	No support, testing completed	7
1148	870S	Sunparlour	No support, testing completed	8

1989 entries

1149	OAC81-122R	U of G	Dropped at company request	5
1150	VS 806	Nemec	No support 91, re-examine 92	10
1151	VS 872	Nemec	No support 91, re-examine 92	10
1152	VS 775	Nemec	No support 91, re-examine 92	10
1153	VS 888	Nemec	Support for reg., defer (1)	9
1154	Mirna	Nemec	No support 91, re-examine 92	10
1155	Cargill 420	Cargill	No support 91, re-examine 92	10
1156	87758	N.K.	No support 91, re-examine 92	15
1157	AP8820	Parsons	No support 91, re-examine 92	11
1158	A8820	Coop	No support 91, re-examine 92	8
1159	G636	Coop	No support 91, re-examine 92	10
1160	Medallion	Pickseed	No support 91, re-examine 92	13
1161	AP8735	Pickseed	No support 91, re-examine 92	12
1162	PS8915	Pickseed	No support 91, re-examine 92	15
1164	WL 317	Speare	No support 91, re-examine 92	10
1165	Promise	Speare	No support 91, re-examine 92	9
1166	86-141	Speare	No support 91, re-examine 92	10
1167	85-140	Speare	No support 91, re-examine 92	10
1168	AP8743	Oseco	No support 91, re-examine 92	8
1169	AP 8830	Oseco	No support 91, re-examine 92	9
1170	Terminator	Oseco	No support 91, re-examine 92	10
1171	AGI-72	Norcan	No support 91, re-examine 92	8
1172	AP 8831	King Agro	No support 91, re-examine 92	8
1173	Allegiance	King Agro	No support 91, re-examine 92	9
1174	Break Thru	King Agro	No support 91, re-examine 92	8
1175	85-141	King Agro	No support 91, re-examine 92	10
1176	XAL 72 (5472)	Pioneer	No support 91, re-examine 92	16
1177	XAL 73 (5373)	Pioneer	Support for reg., defer (1)	19
1178	85CR252	Pioneer	Support for reg., defer (1)	11
1179	85CR262	Pioneer	Support for reg., defer (1)	9
1180	86PR221	Pioneer	No support 91, re-examine 92	19
1181	AP8821	Brett-Young	No support 91, re-examine 92	9
1182	LSC 901	Landis	No support 91, re-examine 92	8
1183	LSC 903	Landis	No support 91, re-examine 92	10
1184	LSC 928	Landis	No support 91, re-examine 92	8
1185	LSC 630	Landis	Support for reg., defer (1)	11
1186	NY86I08	Szego	No support 91, re-examine 92	8

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
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1187	NY86I11	Szego	No support 91, re-examine 92	8
1188	VS-622	Jacques	No support 91, re-examine 92	8

1990 entries

1189	XAM84	Pioneer		5
1190	YAM91	Pioneer		5
1191	YAE92	Pioneer		5
1192	86-20	Speare		3
1193	87777	N.K.		6
1194	88778	N.K.		4
1195	90ML3-NK	N.K.		4
1196	90ML4-NK	N.K.		6
1197	VS 800	Vista Canada		5
1198	VS 805	Vista Canada		3
1199	VS 834	Vista Canada		3
1163	PS8920	Pickseed		3
1200	WL87-122	King Agro		3
1201	WL88-6	King Agro		5
1202	DS9012	King Agro		3
1203	DS9013	King Agro		5
1204	A 8923	Coop		3
1205	A 8925	Coop		3
1206	MBS-2821	Coop		5
1207	MBS-6041	Coop		3
1208	NY 8832	Pickseed		8
1209	AP 8832	Pickseed		5
1210	90-1	Pickseed		7
1211	90-2	Pickseed		7
1212	Trident II	Cargill		5
1213	LSC 9010	Seed Link		5
1214	LSC 9011	Seed Link		5
1215	8623 B	Thompson		3
1216	86-15	Thompson		5
1217	8737N	Rothwell		6
1218	AP 8842	Oseco		3
1219	WL 86-14	Oseco		3
1220	86-124	Brett-Young		5
1221	85-5	Brett-Young		3
1222	8638C	Heritage		6
1223	8713A	Heritage		4
1224	Thrive	J. McInerney	dropped, duplicate entry	5
1225	Webfoot	J. McInerney		5
1226	P1859	Brett-Young		5
1227	B2186	Brett-Young		3

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
<u>1991 Entries</u>				
1228	PS 90-3	Pickseed		0
1229	PS 90-4	Pickseed		0
1230	PS 90-5	Pickseed		0
1231	AP 9031	Pickseed		0
1232	NY 8829	[Guardsmen] Pickseed		0
1233	PS 90-6	Pickseed		0
1234	AP 9016	Oseco		0
1235	ABI 9015	Oseco		0
1236	A 9004	UCO		0
1237	VS 904	Nemec		0
1238	VS 907	Nemec		0
1239	VS 920	Nemec		0
1240	VS 932	Nemec		0
1241	VS 943	Nemec		0
1242	86-136	Thompson		0
1243	MS-90	McInerney		0
1244	GH 777	First Line		0
1245	UN 72	Dawson		0
1246	UN 74	Dawson		0
1247	89-126	Speare		0
1248	87-135	Speare		0
1249	90791	Northrup King		0
1250	90792	Northrup King		0
1251	NK 91-1	Northrup King		0
1252	NK 91-2	Northrup King		0
1253	89-31	King Agro		0
1254	89-30	King Agro		0
1255	GG92/PHS9	Norcan		0
1256	GARST 645	Garst		0
1257		Garst	dropped, duplicate entry	0
1258	XAM 93	Pioneer		0
1259	YAL 07	Pioneer		0
1260	YAE 05	Pioneer		0
1261	83CF042	Pioneer		0
1262	AS-D	UCO		0
1263	AS-G	UCO		0
1264	90788	Northrup King		0
1265	SL9117	Seed Link		0
1266	SL9118	Seed Link		0

Alfalfa registration trial A, seeded 1989,
harvested 1991, Elora

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	6997	4255	3593	14845
1039 EXCALIBUR	6217	4227	3716	14160
1117 5262	6866	4178	3931	14975
1121 C87	6380	4349	3814	14543
1125 AP8624	6325	3792	3564	13681
1129 2980	6491	3493	3528	13512
1133 87-A-89	6097	4325	3893	14314
1137 NK 87745	6730	4099	3762	14591
1141 LSC 845	6979	4255	3760	14994
1145 ENVY	6472	3303	3333	13108
1149 OAC 81-122R	6505	3897	3205	13606
1153 VS 888	6570	4197	3811	14579
1157 AP 8820	6351	4038	3560	13949
1161 AP 8735	6583	4207	3701	14492
1165 PROMISE	6201	4012	3569	13783
1169 AP 8830	6295	4050	3739	14084
1173 ALLEGIANCE	6973	4613	3850	15436
1177 XAM 73	6427	4222	3607	14256
1181 AP 8821	6191	4231	3484	13907
1185 LSC 630	6548	4817	4115	15479
9002 120	6903	3870	3463	14236
HARV MEANS	6529	4116	3667	14311
CV %	8.3	10.5	6.6	6.4
LSD (5%)	643.8	508.7	286.8	1081.3

Alfalfa registration trial C, seeded 1989,
harvested 1991, Elora

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1001	SARANAC	6191	4220	3491	13901
1039	EXCALIBUR	6852	4008	3419	14278
1119	B852	6785	3997	3583	14365
1123	C95	6543	4131	3164	13837
1127	627	6883	3761	3597	14241
1131	CROWN II	6427	4117	3592	14137
1135	NK 87754	6502	3731	3366	13598
1139	MS 96	6506	4017	3299	13822
1143	LSC 847	6548	4398	3557	14503
1147	ISI567	6482	3832	3590	13904
1151	VS 872	6726	3644	3505	13875
1155	CARGILL 420	6288	3824	3200	13312
1159	G 636	6866	4120	3310	14296
1163	PS 8920	6967	4196	3727	14890
1167	85-140	6734	3962	3458	14154
1171	AGI-72	7139	3636	3571	14345
1175	EMPRESS	7064	3896	3286	14245
1179	85 CR 262	6794	4195	3851	14839
1183	LSC 903	6452	3852	3483	13786
1187	NY86I11	6466	3656	3325	13447
9002	120	6976	3996	3362	14334
HARV MEANS		6676	3961	3464	14100
CV %		9.8	8.2	6.5	5.7
LSD (5%)		901.6	444.5	307.3	1102.3

Alfalfa registration trial D, seeded 1989,
harvested 1991, Elora

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	7107	3738	3025	13870
1039 EXCALIBUR	7049	3778	3249	14077
1120 B853	7064	3940	3233	14237
1124 AP8632	6978	3781	3211	13970
1128 2833	7098	3816	3339	14253
1132 PREMIER	6824	3970	3395	14189
1136 NK 87756	6503	3683	3242	13428
1140 VECTOR	6500	3653	3185	13338
1144 C268	6875	3999	3339	14213
1148 870S	6990	3728	3179	13897
1152 VS 775	6539	3775	3311	13625
1156 87758	6384	3564	2966	12914
1160 MEDALLION	6673	3618	3131	13421
1164 WL 317	7175	3620	3106	13901
1168 AGGRESSOR	6877	3541	2984	13403
1172 AP 8831	7026	3489	3029	13544
1176 XAL 72	7535	4345	3937	15817
1180 86 PR 221	7214	3597	3376	14186
1184 LSC 928	6781	3958	3581	14320
1188 MULTI-PLIER	6915	3917	3453	14285
9002 120	7353	3856	3162	14371
HARV MEANS	6927	3779	3259	13965
CV %	7.1	5.8	7.5	5.2
LSD (5%)	584.1	259.7	287.4	855.9

Alfalfa registration trial A, seeded 1989,
harvested 1991, New Liskeard

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1129 635	6519	4831	11349
1153 VS 888	6800	4354	11154
1185 LSC 630	6366	4779	11145
1169 AP 8830	6097	4942	11038
1133 AL 87-89	6215	4711	10926
1145 AP 41	6355	4523	10878
1173 ALLEGIANCE	6385	4458	10843
1165 PROMISE	6242	4577	10819
1157 AP 8820	5846	4941	10787
1039 EXCALIBUR	6093	4624	10717
1001 SARANAC	6035	4601	10636
1137 NK 87745	6035	4601	10636
1117 XAF 62	6032	4572	10604
1141 LSC 845	5946	4643	10489
1177 XAM 73	6031	4420	10451
1125 AP 8624	5889	4480	10369
1149 OAC 81-122R	6035	4276	10312
9002 120	5628	4682	10310
1161 AP 8735	5801	4487	10288
1121 C 87	5743	4409	10151
1181 AP 8821	5795	4213	10008
HARV MEANS	6097	4567	10664
LSD (5%)	335	273	425
CV %	8.3	9.1	6.0

Alfalfa registration trial C, seeded 1989,
harvested 1991, New Liskeard

MEAN YIELD (kg/ha)			
CULTIVAR	CUT 1	CUT 2	TOTAL
1119 B 852	6622	4517	11140
1131 CROWN II	6320	4595	10915
1171 AGI-72	6609	4220	10830
1163 PS 8920	6516	4271	10788
1147 IS 1567	6298	4385	10683
1001 SARANAC	6400	4274	10674
1135 NK 87754	6194	4349	10643
1175 85-141	6086	4406	10493
1151 VS 872	6107	4368	10475
1187 NY 86111	5967	4497	10463
1159 G 636	6012	4434	10446
1123 C 95	5913	4475	10388
1039 EXCALIBUR	6248	4102	10350
9002 120	6305	4031	10336
1155 CARGILL 420	6102	4200	10212
1179 85 CR 262	6008	4171	10179
1143 LSC 847	5788	4281	10070
1183 LSC 903	5803	4246	10049
1139 MS 96	5672	4376	10048
1127 627	5818	4136	9954
1167 85-140	5752	4114	9865
HARV MEANS	6117	4307	10424
LSD (5%)	306	313	450
CV %	7.6	11.0	6.5

Alfalfa registration trial B, seeded 1989,
harvested 1991, Thunder Bay

CULTIVAR		MEAN YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
1001	SARANAC	6289	2673	8962
1039	EXCALIBUR	5926	2337	8263
1118	SITEL	5658	2356	8014
1122	C89	6175	2657	8832
1126	623	5919	2558	8477
1130	655	6090	2360	8450
1134	NK 87749	6232	2805	9037
1138	LEGEND	5721	2673	8394
1142	LSC 846	6019	2937	8956
1146	AP8620	5323	2739	8063
1150	VS 806	6047	2591	8638
1154	MIRNA	6203	2673	8877
1158	A 8820	6090	2822	8912
1162	PS 8915	5678	2426	8104
1166	86-141	6203	2508	8712
1170	TERMINATOR	5792	2756	8547
1174	BREAK THRU	5990	2508	8499
1178	85 CR 252	6289	2723	9011
1182	LSC 901	6260	2591	8851
1186	NY86I08	5877	2640	8517
9002	120	5664	2640	8304
HARV MEANS		5974	2618	8591
CV %		9.3	8.7	7.5
LSD (5%)		659.4	269.7	760.9

Alfalfa registration trial D, seeded 1989,
harvested 1991, Thunder Bay

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1001 SARANAC	6330	2876	9206
1039 EXCALIBUR	6232	2745	8976
1120 B853	6288	2827	9114
1124 AP8632	6344	2712	9056
1128 2833	6063	2909	8972
1132 PREMIER	6007	2843	8850
1136 NK 87756	5797	2876	8673
1140 VECTOR	6316	2843	9159
1144 C268	5867	2876	8743
1148 870S	6302	3024	9326
1152 VS 775	6358	2827	9185
1156 87758	6204	2909	9112
1160 MEDALLION	5825	3008	8832
1164 WL 317	6204	2892	9096
1168 AGGRESSOR	6007	2679	8686
1172 AP 8831	6540	2761	9301
1176 XAL 72	6021	2794	8815
1180 86 PR 221	6456	2827	9283
1184 LSC 928	5979	2991	8970
1188 MULTI-PLIER	6133	2712	8845
9002 120	6288	2975	9262
HARV MEANS	6169	2853	9022
CV %	8.1	9.2	6.3
LSD (5%)	588.0	309.8	674.2

Alfalfa registration trial A, seeded 1990,
harvested 1991, Elora

MEAN YIELD (kg/ha)				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	5359	4477	3745	13581
1039 EXCALIBUR	5772	4916	4183	14871
1150 VS 806	4973	4869	3811	13654
1151 VS 872	5727	4622	3608	13957
1152 VS 775	5285	4668	3910	13863
1154 MIRNA	4922	4354	4065	13341
1156 87758	4988	4561	3546	13096
1157 AP 8820	4580	4343	3658	12581
1159 G 636	5268	4576	3612	13456
1160 MEDALLION	4921	4385	3504	12810
1162 PS 8915	5355	4682	3873	13910
1164 WL 317	4863	4457	3539	12859
1166 86-141	4588	4582	3961	13130
1167 85-140	4744	4569	3771	13084
1170 TERMINATOR	4892	4614	3781	13287
1176 XAL 72	5457	4909	3973	14339
1177 XAM 73	5092	4582	3805	13479
1180 86 PR 221	4208	4302	3747	12257
1183 LSC 903	4785	4561	3759	13106
1185 LSC 630	5448	4989	4026	14463
9002 120	5066	4202	3463	12731
9004 IROQUOIS	5076	4276	3265	12617
9065 G-2841	5351	4545	3649	13544
9071 CLIPPER	5104	4839	3518	13461
9072 IMPACT	5288	4719	3577	13584
HARV MEANS	5085	4584	3734	13402
CV %	9.0	7.9	7.8	6.0
LSD (5%)	540.8	426.6	344.3	955.9

Alfalfa registration trial C, seeded 1990,
harvested 1991, Elora

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1001	SARANAC	4989	4085	3985	13060
1074	ARROW	5357	4723	4388	14467
1191	YAE92	5886	4731	4466	15083
1193	87777	4439	3976	3562	11978
1196	90ML4-NK	5854	4675	4463	14991
1197	VS 800	5964	4407	4435	14806
1201	WL88-6	4822	4334	3979	13136
1203	DS 9013	5144	4984	4503	14631
1204	A8923	6302	5002	4429	15732
1206	MBS-2821	5125	5254	4302	14681
1210	90-1	5119	3939	4405	13462
1211	90-2	6360	4592	4355	15307
1212	TRIDENT II	5648	4782	4430	14860
1213	LSC9010	5292	4345	3977	13614
1214	LSC9011	5465	4711	4509	14685
1216	86-15	5187	3956	4084	13227
1217	8737N	5315	4270	4131	13716
1220	86-124	5905	4451	4399	14755
1222	8638C	5763	4646	4319	14728
1225	WEBFOOT	4982	4769	3981	13732
1226	P1859	5308	4902	4436	14647
9002	120	5970	5107	4613	15689
HARV MEANS		5483	4569	4285	14336
CV %		7.4	8.4	5.6	5.4
LSD (5%)		557.1	528.2	331.4	1071.5

Alfalfa registration trial A, seeded 1990
harvested 1991, Kemptville

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	5002	3959	3389	12351
1039 EXCALIBUR	5581	4161	4177	13918
1150 VS 806	5019	4040	3100	12159
1151 VS 872	5929	4354	3337	13620
1152 VS 775	6050	4642	3424	14116
1154 MIRNA	4667	2728	3201	10595
1156 87758	3647	3300	2871	9817
1157 AP 8820	6100	4008	3171	13280
1159 G 636	5575	4536	3788	13899
1160 MEDALLION	5494	3900	3739	13133
1162 PS 8915	5434	4257	4266	13957
1164 WL 317	6226	4834	4243	15303
1166 86-141	5476	4145	2872	12493
1167 85-140	5684	4132	3722	13538
1170 TERMINATOR	5831	4382	3703	13917
1176 XAL 72	5668	4179	2838	12685
1177 XAM 73	5861	4746	4142	14749
1180 86 PR 221	5386	4595	4096	14076
1183 LSC 903	5781	3605	4211	13597
1185 LSC 630	5702	4296	4359	14356
9002 120	6278	4480	3178	13937
9004 IROQUOIS	5273	4091	3056	12419
9065 G-2841	5869	3952	3534	13356
9071 CLIPPER	5787	4152	3891	13829
9072 IMPACT	5924	4291	4102	14318
HARV MEANS	5570	4151	3616	13337
CV %	12.6	14.8	20.1	12.6
LSD (5%)	968.0	844.4	1000.1	2309.1

Alfalfa registration trial C, seeded 1990,
harvested 1991, Kemptville

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	6224	4170	3242	13637
1074 ARROW	6243	3243	3578	13064
1191 YAE92	6888	4245	3389	14522
1193 87777	4896	3252	3291	11439
1196 90ML4-NK	5682	3188	3331	12201
1197 VS 800	5229	3031	3356	11616
1201 WL88-6	4914	3659	1772	10345
1203 DS 9013	5812	3241	3467	12519
1204 A8923	6065	3116	3390	12571
1206 MBS-2821	7260	3857	2886	14004
1210 90-1	5530	3341	2813	11684
1211 90-2	5622	2739	2867	11228
1212 TRIDENT II	6595	3187	3810	13592
1213 LSC9010	5920	4016	3106	13042
1214 LSC9011	5502	3661	3374	12537
1216 86-15	5442	3002	3030	11475
1217 8737N	5582	3622	3177	12381
1220 86-124	5317	3069	3106	11491
1222 8638C	5654	3391	3452	12498
1225 WEBFOOT	6220	3784	2861	12865
1226 P1859	4977	3615	3783	12375
9002 120	6405	3011	2919	12336
HARV MEANS	5795	3413	3179	12387
CV %	10.4	13.9	13.9	7.1
LSD (5%)	829.9	650.3	606.1	1206.0

Alfalfa registration trial A, seeded 1990,
harvested 1991, New Liskeard

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1180 86 PR 221	6308	3090	9399
1162 PS 8915	6076	3297	9373
1151 VS 872	5966	3291	9257
1185 LSC 630	6142	3080	9222
1177 XAM 73	5853	3343	9197
1150 VS 806	5655	3430	9085
9072 IMPACT	5841	3234	9076
9065 G 2841	5890	3135	9024
1167 85-140	5950	2913	8864
1152 VS 775	5785	3045	8830
1160 MEDALLION	5790	3010	8800
1170 TERMINATOR	5907	2889	8796
9004 IROQUOIS	5612	3175	8787
1157 AP 8820	5981	2746	8727
1183 LSC 903	5741	2962	8703
1039 EXCALIBUR	5863	2788	8651
9071 CLIPPER	5858	2758	8616
1166 86-141	6624	2913	8537
9002 120	5672	2858	8530
1164 WL 317	5434	3091	8525
1001 SARANAC	5667	2856	8523
1176 XAL 72	5763	2759	8522
1154 MIRNA	5485	3032	8516
1159 G 636	5466	3009	8475
1156 87758	5599	2810	8409
HARV MEANS	5797	3021	8818
LSD (5%)	169	N/S	326
CV %	4.9	15.1	6.2

Alfalfa registration trial B, seeded 1990,
harvested 1991, New Liskeard

MEAN YIELD (kg/ha)			
CULTIVAR	CUT 1	CUT 2	TOTAL
1187 NY 86111	5864	5562	11426
1186 NY 86108	5850	5018	10867
1039 EXCALIBUR	5845	4898	10743
1155 CARGILL 420	5600	5118	10718
1161 AP 8735	5515	5169	10685
1153 VS 888	5738	4938	10676
1182 LSC 901	5601	5044	10646
1172 AP 8831	5394	5194	10588
9002 120	5466	5114	10580
1175 85-141	5311	6239	10549
1168 AP 8743	5343	5120	10463
1171 AGI-72	5550	4721	10272
1188 VS-622	6604	4646	10251
1181 AP 8821	5377	4851	10228
1184 LSC 928	5377	4847	10224
1158 A 8820	5516	4689	10205
1163 PS 8920	5399	4743	10143
1173 ALLEGIANCE	5298	4770	10068
1165 PROMISE	5724	4320	10044
1169 AP 8830	5410	4634	10043
1174 BREAK THRU	5460	4153	9613
1001 SARANAC	5619	3982	9601
HARV MEANS	5539	4853	10392
LSD (5%)	187	332	402
CV %	5.3	10.6	6.0

Alfalfa registration trial C, seeded 1990,
harvested 1991, New Liskeard

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1197 VS 800	6385	5287	11673
1211 90-2	5833	5637	11470
1193 87777	6028	5186	11214
1225 WEBFOOT	5700	5488	11188
1210 90-1	5540	5364	10903
1212 TRIDENT II	5510	5344	10854
1196 90ML4-NK	5900	4912	10812
1191 YAE 92	5842	4914	10756
1213 LSC 9010	5524	5221	10745
1220 86-124	5686	4980	10665
1222 8638C	5969	4751	10720
1203 DS 9013	5522	5196	10718
1206 MBS 2821	5717	4962	10679
9002 120	5785	4820	10605
1226 P 1859	5615	4822	10438
1214 LSC 9011	6402	4841	10243
1001 SARANAC	5598	4561	10159
1074 ARROW	5514	4631	10145
1216 86-15	5449	4671	10120
1204 A 8923	5444	4561	10004
1217 8737N	5277	4678	9955
1201 WL 88-6	4779	5144	9923
HARV MEANS	5639	4998	10637
LSD (5%)	403	398	620
CV %	11.5	12.8	9.3

Alfalfa registration trial D, seeded 1990,
harvested 1991, New Liskeard

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1215 8623B	5893	6440	12333
1209 AP 8832	6067	5827	11894
1001 SARANAC	6030	5738	11768
1189 XAM 87	6105	5530	11634
1199 VS 834	6140	5484	11624
1192 86-20	6184	5438	11622
1227 B 2186	6106	5484	11589
9002 120	6119	5347	11466
1205 A 8925	6166	5256	11423
1074 ARROW	5875	5523	11399
1195 90ML3-NK	6097	5258	11354
1219 WL 86-14	6127	5143	11270
1190 YAM 91	6089	5161	11250
1218 AP 8842	5671	5532	11202
1194 88778	6908	5258	11166
1208 NY 8832	6003	5032	11035
1202 DS 9012	5626	5280	10906
1200 WL 87-122	5830	5005	10835
1198 VS 805	5699	5075	10774
1223 8713A	5639	5098	10737
1207 MBS-6041	5500	5048	10549
1221 85-5	5505	4687	10192
HARV MEANS	5926	5347	11274
LSD (5%)	233	435	518
CV %	6.1	12.7	7.2

Alfalfa registration trial A, seeded 1990,
harvested 1991, Kapuskasing

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1039 EXCALIBUR	4440	3517	2596	10553
1157 AP 8820	4552	3494	2475	10521
1159 G 636	4889	3197	2351	10437
1176 XAL 72	4588	3328	2436	10352
9065 G 2841	4285	3668	2374	10327
1152 VS 775	4779	3290	2252	10321
1185 LSC 630	4551	3187	2544	10282
1166 86-141	4496	3322	2444	10262
1164 WL 317	4932	2890	2419	10241
1154 MIRNA	4003	3418	2703	10124
1156 87758	4454	3193	2472	10119
1162 PS 8915	4515	3277	2296	10088
1167 85-140	4610	3131	2313	10054
9072 IMPACT	4627	3109	2304	10040
1151 VS 872	4471	3327	2202	10000
9071 CLIPPER	4345	3234	2343	9922
9002 120	4438	2864	2354	9656
1150 VS 806	4440	3014	2187	9641
1180 86 PR 221	4268	3190	2177	9635
9004 IROQUOIS	4289	2908	2438	9635
1183 LSC 903	4395	3032	2168	9595
1160 MEDALLION	4245	3072	2243	9560
1001 SARANAC	3996	3034	2461	9491
1177 XAM 73	3972	3088	2354	9414
1170 TERMINATOR	3886	2964	2169	9019
HARV MEANS	4419	3190	2363	9972
CV %	7.8	10.8	11.9	5.9
LSD (5%)	562.5	568.4	460.1	964.5

Alfalfa registration trial B, seeded 1990,
harvested 1991, Kapuskasing

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1187 NY 86I11	4611	3719	2860	11190
1153 VS 888	4398	3630	2797	10825
1168 AP 8743	4150	3619	2934	10703
1001 SARANAC	4110	3622	2894	10626
1173 ALLEGIANC	4513	3432	2661	10606
1161 AP 8735	3939	3820	2839	10598
1186 NY 86I08	4247	3575	2691	10513
1158 A 8820	4055	3569	2869	10493
1182 LSC 901	3923	3780	2787	10490
1169 AP 8830	3901	3788	2795	10484
1172 AP 8831	3730	3834	2839	10403
1174 BREAK THR	3940	3738	2715	10393
1171 AGI-72	4035	3483	2859	10377
9002 120	3957	3577	2838	10372
1039 EXCALIBUR	3728	3667	2930	10325
1163 PS 8920	3997	3634	2587	10218
1165 PROMISE	3748	3656	2775	10179
1188 VS-622	3827	3539	2796	10162
1155 CARGILL 420	4170	3217	2641	10028
1181 AP 8821	3940	3288	2536	9764
1175 85-141	3480	3469	2734	9683
1184 LSC 928	3462	3447	2756	9665
HARV MEANS	3994	3596	2779	10368
CV %	6.9	9.5	5.0	4.7
LSD (5%)	455.6	561.4	231.2	800.8

G
Alfalfa registration trial ~~C~~, seeded 1990,
harvested 1991, Kapuskasing

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1212 TRIDENT	4806	4208	3056	12070
9002 120	4992	4192	2711	11895
1213 LSC 9010	5281	3825	2779	11885
1191 YAE92	5032	4089	2685	11806
1201 WL88-6	4812	3957	2819	11588
1001 SARANAC	4799	4025	2753	11577
1074 ARROW	4946	3918	2683	11547
1211 90-2	4726	3949	2731	11406
1197 VS 800	4525	3873	2899	11297
1193 87777	4601	3969	2569	11139
1206 MBS-2821	4360	3922	2844	11126
1220 86-124	4790	3692	2707	11189
1226 P 1859	4476	3691	2876	11043
1214 LSC 9011	4470	3621	2855	10946
1225 WEBFOOT	4161	3947	2808	10916
1196 90ML4-NK	4214	3771	2900	10885
1217 8737N	4473	3740	2648	10861
1210 90-1	4163	3650	2948	10761
1216 86-15	4583	3353	2456	10392
1222 8638C	3960	3581	2786	10327
1203 DS 9013	4056	3649	2570	10275
HARV MEANS	4592	3832	2763	11187
CV %	7.1	8.0	8.1	4.5
LSD (5%)	536.6	506.9	371.1	824.2

Alfalfa registration trial D, seeded 1990,
harvested 1991, Kapuskasing

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1192 86-20	4020	3830	2517	10367
1190 YAM 91	3710	3596	2940	10246
1219 WL86-14	3605	3712	2672	9989
1198 VS 805	3766	3498	2612	9876
1209 AP 8832	4090	3598	2162	9850
1218 AP 8842	3966	3442	2433	9841
1208 NY8832	4129	3408	2288	9825
1215 8623B	3758	3622	2399	9779
1199 VS 834	3859	3446	2443	9748
1227 B 2186	3820	3301	2617	9738
9002 120	4130	3246	2286	9662
1205 A 8925	3927	3290	2377	9600
1202 DS 9012	3741	3517	2254	9512
1074 ARROW	3274	3646	2557	9477
1195 90ML3-NK	3710	3372	2305	9387
1200 WL87-122	3657	3453	2199	9309
1207 MBS-6041	3617	3531	2122	9270
1001 SARANAC	3984	3132	2147	9263
1221 85-5	3836	3263	2006	9105
1223 8713A	3509	3234	2331	9074
1194 88778	3397	3277	2269	8943
1189 XAM 84	3786	2943	1771	8500
HARV MEANS	3786	3426	2350	9562
CV %	13.1	13.0	12.7	8.7
LSD (5%)	819.4	734.5	493.4	1373.2

Alfalfa registration trial A, seeded 1990,
harvested 1991, Thunder Bay

		MEAN YIELD (kg/ha)		
CULTIVAR		CUT 1	CUT 2	TOTAL
1001	SARANAC	5834	2906	8740
1039	EXCALIBUR	5834	3393	9228
1150	VS 806	6255	3315	9570
1151	VS 872	5960	3566	9527
1152	VS 775	5554	3205	8759
1154	MIRNA	5624	2954	8577
1156	87758	5666	2796	8462
1157	AP 8820	6255	3016	9271
1159	G 636	6283	3441	9723
1160	MEDALLION	6577	3315	9892
1162	PS 8915	6521	3205	9726
1164	WL 317	5455	3032	8488
1166	86-141	5876	3566	9442
1167	85-140	5918	3064	8982
1170	TERMINATOR	5988	3346	9335
1176	XAL 72	5469	3079	8549
1177	XAM 73	5483	2985	8468
1180	86 PR 221	5778	3079	8857
1183	LSC 903	5329	2954	8283
1185	LSC 630	5652	3346	8998
9002	120	6577	3205	9782
9004	IROQUOIS	5848	3095	8943
9065	G-2841	6129	3016	9145
9071	CLIPPER	5974	3645	9619
9072	IMPACT	5708	3126	8834
HARV MEANS		5902	3186	9088
CV %		9.3	12.7	8.5
LSD (5%)		651.8	478.4	916.4

Alfalfa registration trial B, seeded 1990,
harvested 1991, Thunder Bay

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1001 SARANAC	5464	2659	8123
1039 EXCALIBUR	5721	2552	8273
1153 VS 888	5434	2613	8047
1155 CARGILL 420	5585	2338	7923
1158 A 8820	5842	2811	8653
1161 AP 8735	5283	2827	8110
1163 PS 8920	5389	2597	7986
1165 PROMISE	5585	2567	8152
1168 AGGRESSOR	5570	2536	8106
1169 AP 8830	4906	2322	7228
1171 AGI-72	5072	2353	7425
1172 AP 8831	5057	2414	7471
1173 ALLEGIANCE	5389	2475	7864
1174 BREAK THRU	4996	2353	7349
1175 EMPRESS	4996	2185	7181
1181 AP 8821	5389	2491	7879
1182 LSC 901	5540	2429	7969
1184 LSC 928	5374	2704	8078
1186 NY86I08	5404	2322	7726
1187 NY86I11	5419	2368	7787
1188 MULTI-PLIER	5329	2643	7972
9002 120	5932	2322	8255
HARV MEANS	5394	2495	7889
CV %	11.8	10.8	10.2
LSD (5%)	754.1	318.6	947.8

G
Alfalfa registration trial ^C, seeded 1990,
harvested 1991, Thunder Bay

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1001 SARANAC	5857	2547	8404
1074 ARROW	6214	2671	8886
1191 YAE92	6214	2903	9117
1193 87777	6075	2832	8906
1196 90ML4-NK	7318	3188	10506
1197 VS 800	6727	2921	9648
1201 WL88-6	5453	2565	8018
1203 DS 9013	5717	2885	8603
1206 MBS-2821	5096	2404	7500
1210 90-1	5950	2850	8800
1211 90-2	6634	2921	9555
1212 TRIDENT II	5764	2529	8293
1213 LSC9010	5857	2885	8742
1214 LSC9011	5671	2511	8182
1216 86-15	5702	2618	8320
1217 8737N	6121	2761	8882
1220 86-124	6059	2565	8624
1222 8638C	5997	2850	8847
1225 WEBFOOT	5251	2761	8012
1226 P1859	6121	2939	9060
9002 120	5795	2956	8751
HARV MEANS	5984	2756	8740
CV %	10.0	11.9	8.4
LSD (5%)	704.9	386.3	872.6

Alfalfa registration trial D, seeded 1990,
harvested 1991, Thunder Bay

CULTIVAR		MEAN YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
1001	SARANAC	6251	2817	9068
1074	ARROW	5490	2849	8339
1189	XAM84	6021	2800	8821
1190	YAM91	6294	2833	9127
1192	86-20	6064	3080	9144
1194	88778	6194	2355	8549
1195	90ML3-NK	6050	2454	8504
1198	VS 805	6481	3031	9512
1199	VS 834	5892	2569	8461
1200	WL87-122	5906	2981	8887
1202	DS 9012	5260	2948	8208
1205	A8925	6050	2685	8735
1207	MBS-6041	5734	2800	8534
1208	NY8832	5705	2718	8423
1209	AP8832	5806	2602	8408
1215	8623B	6107	2619	8726
1218	AP8842	5619	2652	8271
1219	WL86-14	5389	2767	8156
1221	85-5	5130	2339	7469
1223	8713A	5791	2833	8624
1227	B2186	5446	2619	8065
9002	120	5389	2635	8024
HARV MEANS		5821	2727	8548
CV %		10.6	14.0	9.4
LSD (5%)		731.4	449.9	946.5

PERSISTENCE DATA

Alfalfa registration trial A, seeded 1988,
harvested 1991, Ridgetown

CULTIVAR	MEAN YIELD (kg/ha)	
	CUT 1 (120, Iroquois, Citation, Saranac)	% of Checks
1001 SARANAC	9263	93
1011 CITATION	9735	98
1039 EXCALIBUR	9197	93
1100 WAMPR	9933	100
1101 A25	9022	91
1102 BPR 335	9289	94
1103 NAPB 25	9014	91
1104 DS 625	9380	95
1105 DS 624	8958	90
1106 DS 871750	10621	107
1107 NK 85-32	9273	94
1108 NK 85-45	9574	97
1109 NK 86-109	9922	100
1110 ECHO	10031	101
1111 NEW ERA 90	8937	90
1112 APOLLO SUPRE	9760	98
1113 5331	9398	95
1114 5364	11056	112
1115 82 A	10324	104
1116 OAC 83-110	9641	97
1123 C95	9075	92
1126 623	10436	105
1131 CROWN II	10460	106
1137 NK 87745	9856	99
1143 LSC 847	10137	102
9002 120	10872	110
9004 IROQUOIS	9780	99
9062 ULTRA	10096	102
HARV MEANS	9751	
CV %	7.2	
LSD (5%)	970.7	

PERSISTENCE DATA

Alfalfa registration trial B, seeded 1988,
harvested 1991, Ridgetown

		MEAN YIELD (kg/ha)	
CULTIVAR	CUT 1	% of Checks (120 & Excalibur)	
1001	SARANAC	6151	88
1039	EXCALIBUR	6824	97
1117	5262	6977	99
1118	SITEL	7031	100
1119	B852	6860	98
1120	B853	6460	92
1121	C87	6974	99
1122	C89	6659	95
1124	AP8632	6936	99
1125	AP8624	6468	92
1127	627	7431	106
1128	2833	6998	100
1129	2980	6648	95
1130	655	6788	97
1132	PREMIER	6087	87
1133	87-A-89	6798	97
1134	NK 87749	6696	95
1135	NK 87754	6070	86
1136	NK 87756	7320	104
1138	LEGEND	6843	97
1139	MS 96	5882	84
1140	VECTOR	6838	97
1141	LSC 845	6826	97
1142	LSC 846	5783	82
1144	C268	6323	90
1145	ENVY	6644	95
1146	AP8620	7034	100
1147	ISI567	7107	101
1148	870S	7041	100
9002	120	7235	103
HARV MEANS		6724	
CV %		8.5	
LSD (5%)		781.7	

PERSISTENCE DATA

Alfalfa registration trial A, seeded 1989,
harvested 1991, Ridgetown

		MEAN YIELD (kg/ha)	
CULTIVAR		CUT 1	% of checks (120 & Excalibur)
1001	SARANAC	6678	91
1039	EXCALIBUR	6982	95
1117	5262	7361	100
1121	C87	7212	98
1125	AP8624	6639	91
1129	2980	7430	101
1133	87-A-89	7031	96
1137	NK 87745	7437	101
1141	LSC 845	7046	96
1145	ENVY	7603	104
1149	OAC 81-122R	7317	100
1153	VS 888	7417	101
1157	AP 8820	7573	103
1161	AP 8735	7636	104
1165	PROMISE	6927	94
1169	AP 8830	7551	103
1173	ALLEGIANCE	6923	94
1177	XAM 73	7127	97
1181	AP 8821	8133	111
1185	LSC 630	7172	98
9002	120	7689	105
HARV MEANS		7280	
CV %		9.4	
LSD (5%)		808.6	

PERSISTENCE DATA

Alfalfa registration trial B, seeded 1989,
harvested 1991, Ridgetown

		MEAN YIELD (kg/ha)	
CULTIVAR		CUT 1	% of checks (120 & Excalibur)
1001	SARANAC	6561	88
1039	EXCALIBUR	7066	95
1118	SITEL	6597	89
1122	C89	6934	93
1126	623	7329	99
1130	655	7043	95
1134	NK 87749	6940	93
1138	LEGEND	7646	103
1142	LSC 846	6999	94
1146	AP8620	6520	88
1150	VS 806	7136	96
1154	MIRNA	6746	91
1158	A 8820	7079	95
1162	PS 8915	6516	88
1166	86-141	6689	90
1170	TERMINATOR	6979	94
1174	BREAK THRU	6629	89
1178	85 CR 252	7227	97
1182	LSC 901	7739	104
1186	NY86I08	7095	96
9002	120	7782	105
HARV MEANS		7012	
CV %		7.6	
LSD (5%)		734.3	

PERSISTENCE DATA

Alfalfa registration trial C, seeded 1989,
Nearest-neighbour covariance adj. harvested 1991, Ridgetown

MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	% of checks (120 & Excalibur)
1001	SARANAC	7052	88
1039	EXCALIBUR	7805	98
1119	B852	7734	97
1123	C95	7800	98
1127	627	7630	96
1131	CROWN II	7120	89
1135	NK 87754	7820	98
1139	MS 96	6677	84
1143	LSC 847	7437	93
1147	ISI567	8030	101
1151	VS 872	8016	101
1155	CARGILL 420	7726	97
1159	G 636	7808	98
1163	PS 8920	7496	94
1167	85-140	7560	95
1171	AGI-72	8096	102
1175	EMPRESS	7522	94
1179	85 CR 262	7849	98
1183	LSC 903	7801	98
1187	NY86I11	7755	97
9002	120	8134	102
HARV MEANS		7660	
CV %		6.4	
LSD (5%)		586.3	

PERSISTENCE DATA

Alfalfa registration trial D, seeded 1989,
harvested 1991, Ridgetown

MEAN YIELD (kg/ha)			
CULTIVAR	CUT 1	% of checks (120 & Excalibur)	
1001 SARANAC	7111	103	
1039 EXCALIBUR	6605	96	
1120 B853	7251	105	
1124 AP8632	6928	101	
1128 2833	7087	103	
1132 PREMIER	6368	92	
1136 NK 87756	7236	105	
1140 VECTOR	7031	102	
1144 C268	7097	103	
1148 870S	7492	109	
1152 VS 775	6430	93	
1156 87758	6470	94	
1160 MEDALLION	6645	97	
1164 WL 317	7414	108	
1168 AGGRESSOR	6913	100	
1172 AP 8831	6911	100	
1176 XAL 72	6985	101	
1180 86 PR 221	6928	101	
1184 LSC 928	6867	101	
1188 MULTI-PLIER	7261	105	
9002 120	7167	104	
HARV MEANS	6962		
CV %	6.2		
LSD (5%)	511.4		

PERSISTENCE DATA

Alfalfa registration trial A, seeded 1989,
harvested 1991, Ottawa

CULTIVAR	MEAN YIELD (kg/ha)				% OF CHECK
	CUT 1	CUT 2	CUT 3	TOTAL	
1001 SARANAC	5538	1566	1346	8451	92.5
1039 EXCALIBUR	5355	2564	1508	9427	100
1117 XAF62	5422	2695	1924	10042	109.9
1121 C87	5428	2669	1870	9967	109.1
1125 AP8624	5245	2441	1554	9240	101.2
1129 635	5306	2782	1906	9994	109.4
1133 AL 87-A-89	5245	2538	1762	9544	104.5
1137 NK 87745	4907	3109	1901	9917	108.6
1141 LSC 845	5214	2424	1463	9102	99.6
1145 AP41	5538	2433	1473	9444	103.4
1149 OAC81-122R	4977	1426	1256	7659	83.8
1153 VS 888	5630	2179	1563	9372	102.6
1157 AP 8820	5673	1426	1165	8264	90.5
1161 AP 8735	4926	2182	1535	8643	94.6
1165 PROMISE	5452	1322	1138	7912	86.6
1169 AP 8830	5862	1899	1454	9215	100.8
1173 ALLEGIANC	5343	1496	1373	8212	89.9
1177 XAM 73	5319	2806	1702	9827	107.6
1181 AP 8821	5851	1651	1106	8608	94.2
1185 LSC 630	5246	2032	1891	9170	100.4
9002 120	5991	1574	1278	8842	100.0

PERSISTENCE DATA

Alfalfa registration trial B, seeded 1989,
harvested 1991, Ottawa

CULTIVAR	MEAN YIELD (kg/ha)				OF CHECK
	CUT 1	CUT 2	CUT 3	TOTAL	
1001 SARANAC	5561	2033	1789	9383	105.2
1039 EXCALIBUR	5999	1608	1705	9312	100.0
1118 SITEL	6385	1581	1733	9299	108.7
1122 C89	5727	1620	1414	8761	98.2
1126 623	5953	1756	1143	8852	99.2
1130 655	5907	1923	1705	9534	106.8
1134 NK 87749	5881	935	1291	8106	90.8
1138 LEGEND	6192	1229	1602	9023	101.1
1142 LSC 846	6053	2579	1976	10608	118.9
1146 AP8620	6136	1953	1779	9868	110.6
1150 VS 806	6116	2396	1864	10376	116.3
1154 MIRNA	6305	1197	1696	9198	103.1
1158 A 8820	6431	1627	1480	9538	106.9
1162 PS 8915	5787	1301	1456	8544	95.7
1166 86-141	6006	1950	1958	9914	111.1
1170 TERMINATO	5233	1309	1207	7749	86.8
1174 BREAK THR	5827	1775	1480	9081	101.8
1178 85 CR 252	6405	1655	1443	9502	106.5
1182 LSC 901	5647	2163	2052	9862	110.5
1186 NY86I08	5840	1756	1387	8983	100.7
9002 120	5855	1256	1420	8532	100.0

Heritage Seeds Inc. alfalfa trial, seeded 1990,
harvested 1991, Harriston

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1148 870S	5141	4375	3483	12999
1222 8638C	5575	4641	3566	13783
1223 8713 A	5391	4550	3633	13575
1217 8737 N	5325	4725	3566	13616
1074 ARROW	5383	4458	3508	13350
1039 EXCALIBUR	5866	4825	3750	14441
1001 SARANAC	5425	4508	3616	13549
9002 120	6358	4466	3400	14224
HARV MEANS	5558	4568	3565	13692
CV (%)	7.53	5.06	2.87	4.41
L.S.D. (5%)	615.6	339.9	150.5	887.5

Northrup King Alfalfa trial, seeded 1989,
harvested 1991, London

CULTIVAR	MEAN YIELD (kg/ha)				
	CUT 1	CUT 2	CUT 3	CUT 4	TOTAL
1138 LEGEND	7636.4	4216.5	3881.2	1714.5	17448.7
④ 1156 C86-307	7526.3	4430.3	3660.7	1800.0	17417.3
1156 MULTIKING 1	7511.7	4187.3	3561.7	1395.0	16655.7
1039 EXCALIBUR	7526.3	3980.3	3467.3	1581.7	16555.6
9002 DK120	7817.4	4020.8	3294.0	1350.0	16482.2
9050 SURE	7068.9	3723.8	3305.3	1440.0	16537.9
HARV MEANS	7514.5	4093.2	3528.4	1546.9	16849.6
C.V. %	4.3	8.4	9.3	12.3	4.6
L.S.D. (5%)	407.1	432.3	415.6	239.7	971.7

Northrup King Alfalfa trial, seeded 1990,
harvested 1991, London

MEAN YIELD (kg/ha)					
CULTIVAR	CUT 1	CUT 2	CUT 3	CUT 4	TOTAL
1195 90ML3-NK	6509.4	3031.9	3026.3	2849.1	15416.6
1039 EXCALIBUR	6381.0	2078.4	2871.6	2716.9	14947.9
1196 90ML4-NK	6390.2	2863.1	2770.3	2812.5	14836.1
1001 SARANAC	6148.6	3034.7	2792.8	2666.3	14642.4
1138 LEGEND	6102.8	2860.3	2851.9	2652.2	14467.2
1156 MULTIKING 1	5778.7	3110.6	2927.8	2570.6	14387.7
2 O88-168	6243.4	2933.4	2573.4	2528.4	14278.7
9002 DK 120	6007.9	2683.1	2823.8	2663.4	14178.3
9050 SURE	5836.8	2820.9	2832.2	2610.0	14099.9
1074 ARROW	5748.1	2894.1	2843.4	2587.5	14073.1
1194 88778	6090.5	2846.3	2663.4	2387.8	13988.0
1193 87777	5729.8	2972.8	2711.3	2292.2	13706.0
HARV MEANS	6163.9	2919.1	2807.4	2611.1	14418.5
C.V. %	5.6	4.5	5.2	8.1	2.8
L.S.D. (5%)	478.7	186.8	204.5	299.9	574.7

Northrup King Alfalfa trial, seeded 1989,
harvested 1991, Punkey Doodles

MEAN YIELD (kg/ha)				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
9065 G2841	5719.6	2737.5	1301.3	9758.3
1156 MULTIKING 1	5532.0	2501.3	1383.8	9417.0
1 C86-307	5568.7	2527.5	1308.8	9404.9
9050 SURE	5148.8	2328.8	1421.3	8898.8
1039 EXCALIBUR	5258.9	2347.5	1275.0	8881.4
9002 DK 120	4769.7	2340.0	1410.0	8519.7
HARV MEANS	5332.9	2463.8	1350.0	9146.7
C.V. %	8.7	7.9	11.3	5.4
L.S.D. (5%)	756.8	317.8	250.1	811.6

Pickseed Alfalfa trial, seeded 1989,
harvested 1991, Elmira

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT3	TOTAL
1074	Arrow	4676.9	3558.6	3067.9	11303.4
9041	Oneida VR	4387.3	3403.3	3028.7	10819.2
1155	Advance	4197.2	3384.8	2795.1	10377.1
9032	Ambassador	4602.4	3792.8	3354.5	11749.6
1028	Alouette	5107.7	3563.5	3246.3	11917.6
1208	NY8832	5078.6	2962.0	2590.4	10631.0
7	A871	4725.2	3436.1	3015.6	11176.9
8	A872	4289.1	3344.7	2853.9	10487.7
1119	B852	4586.7	3300.3	2948.7	10835.6
1120	B853	4550.3	3788.8	3287.6	11626.6
1121	C87	4685.9	3378.6	3238.7	11303.2
1122	C89	5120.9	3776.0	3421.4	12318.3
1123	C95	4600.9	3136.2	2791.9	10528.9
14	A225	4940.2	3604.2	2959.2	11503.7
15	B85-20	4997.6	3891.6	3645.7	12534.9
16	E871	4675.7	3892.6	3133.0	11701.2
17	E872	4866.7	3822.8	3474.2	12163.8
18	E873	4972.9	3899.0	3288.4	12160.4
1160	Medallion	5022.3	3697.3	3097.8	11817.3
1162	PS8915	5105.5	3865.0	3289.3	12259.8
1163	PS8920	5287.3	3732.7	3209.8	12229.8
9002	120	4782.6	3558.7	3156.6	11498.0
1039	Excalibur	4727.4	3819.6	3290.4	11837.3
1001	Saranac	4379.5	3023.1	2893.6	10296.2
1161	AP8735	4258.8	3037.0	3116.6	10412.3
HARV MEANS		4745.0	3546.8	3127.8	11419.6
C.V. %		10.1	11.5	13.3	9.2
L.S D. (5%)		675.7	406.4	595.2	1476.5

Pickseed Alfalfa trial, seeded 1990,
harvested 1991, Elmira

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1074	ARROW	3389.6	3323.1	1914.5	8627.2
1039	EXCALIBUR	3355.0	3642.4	2178.3	9175.7
9002	120	3411.1	3434.6	2339.3	9185.0
1001	SARANAC	3485.0	3642.8	2385.8	9513.6
5	PS-8A	3509.9	3474.7	2538.6	9523.2
6	PS-8B	3961.6	3699.6	2769.7	10430.9
7	PS8C	3791.4	3721.4	2762.2	10274.9
8	PS-8D	3614.2	3863.6	2659.1	10136.9
9	PS-8E	3794.1	3858.5	2490.5	10143.1
10	PS-8F	3745.4	3945.1	2824.7	10515.1
11	PS-9G	3606.3	3863.9	2793.8	10264.0
12	PS-9H	3417.5	3481.0	2453.4	9351.8
13	PS-9I	3610.5	3795.6	2751.2	10157.3
14	PS-9J	3891.7	3853.8	2816.9	10562.5
15	PS-9K	3546.8	3662.6	2643.6	9853.0
16	PS-9L	3975.6	3610.6	2524.8	10111.0
1208	NY 8832	3546.6	3727.2	2526.7	9800.6
1210	90-1	3578.3	3561.3	2529.8	9669.5
1211	90-2	3643.4	3756.9	2455.7	9856.0
1163	PS8920	3246.1	3560.9	2627.2	9434.1
1162	PS8915	3409.9	3690.9	2761.3	9862.1
1209	AP8832	3658.8	3472.9	2165.3	9297.0
9041	ONEIDA VR	3635.0	3781.4	2500.9	9917.3
1055	ADVANCE	3469.2	3566.7	2528.5	9564.4
1028	ALOUETTE	3758.8	3812.7	2600.1	10171.6
26	A871	3414.9	3558.3	2302.5	9275.6
1122	C89	3558.9	3205.8	2132.5	8897.2
1123	C95	3280.8	3682.3	2302.8	9265.8
29	AP8753	3499.0	3512.6	2390.3	9401.8
30	A872	3768.0	3850.3	2618.9	10237.2
HARV MEANS		3585.8	3653.8	2509.6	9749.2
C.V. %		5.7	7.3	13.2	6.1
L.S.D. (5%)		288.2	372.9	465.5	873.3

Pickseed Alfalfa trial, seeded 1990,
harvested 1991, Blenheim

		MEAN YIELD (kg/ha)			
CULTIVAR		CUT 1	CUT 2	CUT 3	TOTAL
1074	ARROW	6172.0	3214.4	3939.9	13326.2
1039	EXCALIBUR	6002.5	3155.7	3346.1	12504.4
9002	120	6071.0	2866.6	3540.9	12478.6
1001	SARANAC	5543.9	3535.6	3446.7	12526.2
1197 5	PS-8A	6245.0	3620.3	3608.9	13474.3
1198 6	PS-8B	5650.6	3331.6	3992.8	12975.0
7	PS8C	5920.9	3217.0	3870.7	13008.5
8	PS-8D	5852.7	3531.5	3682.5	13066.7
9	PS-8E	5768.0	3517.2	3429.0	12714.2
10	PS-8F	6016.5	3417.5	3824.3	13258.3
11	PS-9G	5741.4	3135.5	3991.4	12868.3
12	PS-9H	6417.7	3640.4	3483.9	13542.0
13	PS-9I	5759.5	3427.7	3875.1	13062.2
14	PS-9J	6106.0	3329.9	3551.6	12987.5
15	PS-9K	5836.9	3302.7	4119.6	13259.2
16	PS-9L	5593.7	3426.1	3907.1	12926.8
1208	NY 8832	5191.7	3058.1	3180.3	11430.2
1210	90-1	5696.6	2827.1	3298.4	11822.1
1211	90-2	6093.4	3174.1	3446.4	12714.0
1163	PS8920	5767.0	3611.7	3860.3	13239.0
1162	PS8915	5626.9	3438.9	3530.2	12596.0
1209	AP8832	5695.6	3315.3	4147.1	13157.9
✓9041	ONEIDA VR	5769.7	3576.3	3456.0	12802.0
1055	ADVANCE	5804.6	3973.4	3973.8	13751.8
✓1028	ALOUETTE	5878.4	3050.9	3077.5	12006.8
1112 26	A871	5981.6	3605.5	3892.3	13479.5
1122	C89	5849.6	2951.2	2969.8	11770.6
1123	C95	6055.8	3266.3	3816.2	13138.4
29	AP8753	5718.5	3486.4	3373.9	12578.7
30	A872	5975.4	2820.6	3645.3	12441.2
HARV MEANS		5860.1	3327.5	3642.6	12830.2
C.V.		11.9	17.1	12.1	8.7
L.S.D.		977.6	798.8	618.6	1568.1

Pioneer Alfalfa trial, seeded 1989,
harvested 1991, Chatham

MEAN YIELD

	CULTIVAR	CUT 1	CUT2	CUT3	TOTAL
115	1 82A-1	6249.6	4244.8	3819.2	14313.6
36	2 88W4CF2	5824.0	4054.4	4211.2	14089.6
31	3 88W2CR2	5465.6	4155.2	4368.0	13988.8
	1179 85CR262	5790.4	3897.6	4200.0	13876.8
	1114 5364	5846.4	3841.6	4009.6	13708.8
	1117 5262	6160.0	3707.2	3808.0	13675.2
	9002 DK120	6137.6	3752.0	3774.4	13664.0
39	4 88W1CR2	5420.8	4054.4	4009.6	13496.0
6	5 88N2CV2 (YAL12)	5678.4	3908.8	3897.6	13473.6
1176	6 5472	5969.6	3864.0	3628.8	13462.4
48	7 88I5CR2	5835.2	3763.2	3830.4	13417.6
21	8 88I1CF2	5779.2	3785.6	3740.8	13305.6
20	9 P88CF02	5768.0	3908.8	3595.2	13272.0
16	10 88M3CR2	5387.2	3908.8	3931.2	13227.2
14	11 88I4CR2	5600.0	3897.6	3662.4	13171.2
23	12 88P3CF2	5555.2	3640.0	3908.8	13104.0
1191	1191 XAE92	5801.6	3640.0	3651.2	13092.8
5	13 88P4CV2	5600.0	3584.0	3830.4	13014.4
10	14 88N4CR2	5264.0	3539.2	4110.4	12913.6
8	15 YAL06	5409.6	3628.8	3841.6	12880.0
29	16 88W3CF2	5588.8	3628.8	3662.4	12880.0
38	17 88N3CR2	5678.4	3673.6	3516.8	12868.8
	1178 85CR252	5364.8	3516.8	3964.8	12857.6
7	18 88N6PR1	5364.8	3684.8	3729.6	12790.4
9009	19 526	5779.2	3416.0	3550.4	12756.8
2	20 88I6PR1	5275.2	3404.8	4009.6	12689.6
17	21 P88PF08	5398.4	3617.6	3662.4	12678.4
32	22 88I2CV2	5174.4	3763.2	3718.4	12656.0
11	23 88M2CR2	5174.4	3640.0	3740.8	12555.2
1017	24 532	5689.6	3326.4	3483.2	12499.2
43	25 88I3CR2	5174.4	3662.4	3651.2	12476.8
28	26 88P2CR2	4961.6	3348.8	4099.2	12409.6
35	27 88M4CR2	5017.6	3449.6	3875.2	12331.2
18	28 88W5SV2	5297.6	3427.2	3516.8	12252.8
30	29 88N1CF2	5308.8	3427.2	3460.8	12196.8
33	30 88M1CF2	5499.2	3393.6	3248.0	12140.8
12	31 88N5PV1	5286.4	3225.6	3449.6	11950.4
	1088 5432	5185.6	3270.4	3472.0	11928.0
	1001 SARANAC	5376.0	3203.2	3180.8	11771.2
	1039 EXCALIBUR	5062.4	3091.2	3595.2	11760.0
1177	32 5373	4838.4	3416.0	3371.2	11625.6
	9012 VERNAL	5320.0	3136.0	3091.2	11558.4
	1180 86PR221	4793.6	3382.4	3180.8	11356.8
	9004 IROQUOIS	5073.6	3024.0	3158.4	11267.2
	HARV MEANS	5488.0	3617.6	3707.2	12801.6
	CV %	9.0	9.3	10.1	6.2
	LSD (5%)	694.4	473.8	529.8	1115.5

Pioneer Alfalfa trial, seeded 1990,
harvested 1991, Chatham

MEAN YIELD				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
1 88I6PR1 ✓	7056.0	4300.8	4009.6	15355.2
2 89I2CR2 ✓	6731.2	4020.8	4032.0	14784.0
3 88N2CV2 ✓ YAL 12	6081.6	4379.2	4121.6	14582.4
1001 SARANAC ✓	7044.8	3774.4	3740.8	14560.0
4 89I3CR2 ✓	6496.0	4390.4	3628.8	14515.2
5 89I1CR2 ✓	6104.0	4177.6	4144.0	14425.6
* → 6 89P5PF1 ✓	6697.6	4088.0	3550.4	14324.8
7 88M2CR2 ✓	6563.2	4166.4	3584.0	14313.6
8 88N1CF2 ✓	6966.4	3808.0	3494.4	14268.8
1113 5331 ✓	6798.4	3942.4	3494.4	14235.2
9 89W2CV2 ✓	6294.4	4289.6	3628.8	14212.8
10 89I4CF2 ✓	6608.0	4099.2	3449.6	14156.8
1088 5432 ✓	6652.8	4020.8	3427.2	14100.8
1039 EXCALIBUR ✓	6540.8	3572.8	3976.0	14089.6
11 ZAM010 ✓	6148.8	4155.2	3707.2	14022.4
12 89P2CV2 ✓	6216.0	4300.8	3494.4	14011.2
13 88I3CR2 ✓	6440.0	3841.6	3729.6	14011.2
1298 14 89W6PV1 ✓ YAE 11	6820.8	3673.6	3438.4	13932.8
1190 YAM91 ✓	6115.2	3808.0	3931.2	13854.4
15 88W4CF2 ✓	5824.0	4121.6	3841.6	13798.4
16 89P1CF2 ✓	6003.2	4188.8	3584.0	13776.0
17 88N3CR2 ✓	6272.0	3774.4	3729.6	13764.8
1297 18 YAL06 ✓	6014.4	4043.2	3628.8	13686.4
19 88I5CR2 ✓	5734.4	3886.4	4043.2	13675.2
20 88N6PR1 ✓	6104.0	3707.2	3584.0	13395.2
1117 5262 ✓	6182.4	3673.6	3516.8	13372.8
1176 21 5472 ✓	5488.0	4009.6	3651.2	13148.8
1177 22 5373 ✓	5891.2	3998.4	3259.2	13148.8
1114 5364 ✓	5768.0	3662.4	3696.0	13126.4
9055 5311 ✓	6137.6	3494.4	3438.4	13070.4
23 89P6PR1 ✓	5734.4	3752.0	3539.2	13025.6
24 89N6PR1 ✓	5689.6	3830.4	3505.6	13025.6
1191 XAF92 ✓	6115.2	3785.6	3113.6	13025.6
26 89N1CF2 ✓	5566.4	4256.0	3192.0	13014.4
9002 DK120 ✓	6070.4	3595.2	3304.0	12958.4
27 89N2CR2 ✓	5510.4	3841.6	3561.6	12924.8
28 89I5SV1 ✓	5600.0	3460.8	3796.8	12868.8
29 89W1CF2 ✓	5824.0	3684.8	3315.2	12812.8
30 88N4CV2 ✓	5297.6	3617.6	3740.8	12667.2
1189 XAM84(5333) ✓	5364.8	3595.2	3572.8	12544.0
1258 XAM93(5252) ✓	5353.6	3774.4	3292.8	12420.8
31 89W5PV1 ✓	5364.8	3595.2	3348.8	12320.0
1180 86PR221 ✓	5600.0	3259.2	3393.6	12264.0
1074 ARROW ✓	5107.2	3640.0	3337.6	12084.8
32 89N3CV2 ✓	5398.4	3673.6	2934.4	12006.4
33 88N5PV1 ✓	5555.2	3326.4	3080.0	11961.6
34 88M1CF2 ✓	5644.8	3304.0	2900.8	11838.4
9012 VERNAL ✓	5252.8	3012.8	2979.2	11244.8
HARVEST MEANS	6036.8	3841.6	3550.4	13428.8
CV%	11.9	8.1	11.9	7.2
LSD (5%)	1018.1	436.8	604.8	1375.4

Pioneer Alfalfa trial, seeded 1989,
harvested 1991, Woodstock

		MEAN YIELD			
	CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
8	1 P88CF02	6944.0	3908.8	3113.6	13977.6
1115	2 82A-1	6585.6	4065.6	3292.8	13932.8
	1179 85CR262	6630.4	3998.4	3035.2	13664.0
1176	3 5472	6395.2	3987.2	3158.4	13552.0
21	4 88N2CV2 (YAL12)	6395.2	3740.8	3158.4	13305.6
	1117 5262	6260.8	4043.2	2979.2	13283.2
40	5 88W4CF2	6249.6	4088.0	2945.6	13272.0
3	6 88P4CV2	6104.0	3908.8	3068.8	13081.6
	1114 5364	6092.8	3864.0	3068.8	13025.6
37	7 88M3CR2	6283.2	3606.4	3124.8	13014.4
28	8 88P2CR2	6316.8	3684.8	3012.8	13003.2
1191	XAE92	6283.2	3908.8	2900.8	12980.8
39	10 88N3CR2	5712.0	3998.4	3124.8	12812.8
6	11 88N6PR1 ←*	6092.8	3819.2	2900.8	12812.8
26	12 P88PF08	6048.0	3908.8	2844.8	12801.6
9	13 88W2CR2	5902.4	3729.6	3091.2	12712.0
22	14 88W3CF2	6059.2	3729.6	2900.8	12689.6
33	15 88I1CF2	5924.8	3617.6	3113.6	12656.0
31	16 88P3CF2	6104.0	3640.0	2822.4	12566.4
	1088 5432	5745.6	3864.0	2912.0	12532.8
23	17 88M2CR2	6025.6	3528.0	2968.0	12521.6
35	18 88I2CV2	6104.0	3606.4	2811.2	12510.4
9009	19 526	5980.8	3696.0	2833.6	12510.4
4	20 88I5CR2	5969.6	3606.4	2912.0	12488.0
41	21 88M4CR2	5633.6	3696.0	3136.0	12465.6
14	22 88I6PR1	5936.0	3539.2	2979.2	12454.4
1177	23 5373	5992.0	3617.6	2833.6	12443.2
24	24 88W5SV2	5689.6	3819.2	2934.4	12443.2
20	25 88I4CR2	5723.2	3785.6	2934.4	12443.2
27	26 88N1CF2	6059.2	3371.2	2979.2	12409.6
36	27 YAL06	5768.0	3864.0	2587.2	12219.2
	1178 85CR252	5555.2	3584.0	3057.6	12196.8
19	28 88W1CR2	5644.8	3572.8	2900.8	12118.4
30	29 88N5PV1	5801.6	3449.6	2844.8	12096.0
	9004 IROQUOIS	5678.4	3628.8	2699.2	12006.4
42	30 88I3CR2	5846.4	3460.8	2676.8	11995.2
1017	31 532	5577.6	3505.6	2867.2	11939.2
	1001 SARANAC	5476.8	3516.8	2912.0	11916.8
29	32 88M1CF2	5913.6	3281.6	2732.8	11916.8
	1039 EXCALIBUR	5521.6	3483.2	2844.8	11838.4
	9002 DK120	5588.8	3505.6	2676.8	11771.2
	1180 86PR221	5342.4	3460.8	2755.2	11558.4
43	33 88N4CR2	4939.2	3416.0	2833.6	11200.0
	9012 VERNAL	5073.6	3024.0	2475.2	10572.8
HARVEST MEANS		5924.8	3684.8	2923.2	12544.0
CV%		7.3	8.9	8.5	5.5
LSD (5%)		613.8	464.8	350.6	982.2

Pioneer Alfalfa trial, seeded 1990,
harvested 1991, Woodstock

MEAN YIELD				
CULTIVAR	CUT 1	CUT2	CUT 3	TOTAL
1 88N2CV2	6462.4	4009.6	3180.8	13652.8
2 89N3CV2	6070.4	3987.2	3528.0	13596.8
9055 5311	6104.0	3606.4	3819.2	13529.6
3 89I4CF2	6574.4	3819.2	3035.2	13440.0
4 88N6PR1	6294.4	3897.6	3180.8	13361.6
5 89I3CR2	5532.8	4211.2	3472.0	13227.2
6 89I1CR2	6518.4	3830.4	2856.0	13204.8
7 89P2CV2	5644.8	3931.2	3505.6	13081.6
8 89N1CF2	6036.8	3976.0	3035.2	13048.0
1190 YAM91	5644.8	3953.6	3348.8	12958.4
1297 9 YAL06	5745.6	3964.8	3248.0	12958.4
1088 5432	5992.0	3595.2	3337.6	12924.8
10 89W2CV2	5936.0	3796.8	3180.8	12913.6
1180 86PR221	5958.4	3696.0	3248.0	12902.4
11 89N6PR1	6059.2	3718.4	3102.4	12880.0
12 88M2CR2	6048.0	3886.4	2934.4	12880.0
9002 DK120	6137.6	3740.8	2968.0	12846.4
1113 5331	5532.8	3976.0	3315.2	12835.2
13 89P6PR1	6160.0	3729.6	2923.2	12824.0
14 89W1CF2	6238.4	3595.2	2979.2	12812.8
1176 15 5472	5230.4	4065.6	3505.6	12801.6
16 88N1CF2	5712.0	4043.2	3024.0	12779.2
17 88N3CR2	5756.8	3875.2	3147.2	12768.0
1191 XAE92	6339.2	3572.8	2856.0	12756.8
1117 5262	6014.4	3684.8	3035.2	12745.6
19 88N4CV2 89N4CV2	5790.4	3729.6	3192.0	12712.0
20 88I6PR1	5611.2	3864.0	3214.4	12678.4
1189 XAM84 (5333)	6160.0	3528.0	2968.0	12656.0
21 88I5CR2	5868.8	3561.6	3214.4	12656.0
22 88M1CF2	6171.2	3617.6	2811.2	12600.0
1001 SARANAC	5857.6	3651.2	2979.2	12488.0
1177 23 5373	6003.2	3472.0	3001.6	12488.0
1114 5364	5913.6	3505.6	3068.8	12476.8
1298 24 89W6PV1	5801.6	3617.6	3001.6	12409.6
25 88I3CR2	5577.6	3684.8	3080.0	12331.2
26 89N2CR2	5443.2	3483.2	3270.4	12196.8
1039 EXCALIBUR	5734.4	3539.2	2900.8	12174.4
27 ZAM010	5745.6	3707.2	2688.0	12140.8
28 89I5SV1	5275.2	3662.4	3147.2	12084.8
29 89P5PF1	5812.8	3707.2	2553.6	12062.4
30 89I2CR2	5510.4	3617.6	2867.2	12006.4
31 89W5PV1	5420.8	3640.0	2867.2	11928.0
32 89P1CF2	5689.6	3281.6	2912.0	11883.2
1074 ARROW	4984.0	3640.0	3046.4	11670.4
1258 XAM93 (5252)	5297.6	3360.0	2900.8	11547.2
33 88W4CF2	5051.2	3729.6	2766.4	11547.2
34 88N5PV1	4782.4	3752.0	3012.8	11547.2
9012 VERNAL	4939.2	3259.2	2710.4	10920.0
HARVEST MEANS	5790.4	3729.6	3080.0	12600.0
CV%	12.4	9.4	14.2	8.6
LSD (5%)	1014.7	497.3	617.1	1527.7

CORRECTED INFORMATION

Registration trial B, seeded 1989,
harvested 1990, Elora

CULTIVAR	MEAN YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL**
1001 SARANAC	5473	4604	3914	13963
1039 EXCALIBUR	4925	3905	3517	12310
1118 SITEL	4583	4024	3436	11904
1122 C89	4513	3770	3147	11509
1126 623	4841	3945	3419	12191
1130 655	4907	4065	3553	12611
1134 NK87749	4478	3735	3223	11433
1138 LEGEND	5448	3855	3381	12723
1142 LSC 846	4937	4184	3613	12703
1146 AP8620	4883	4088	3273	12328
1150 VS 806	4914	4296	3732	12899
1154 MIRNA	4626	4251	3591	12473
1158 A 8820	4261	3768	3379	11421
1162 PS 8915	5232	3899	3537	12678
1166 86-141	4832	3920	3281	12118
1170 TERMINATOR	4572	4219	3563	12315
1174 BREAK THRU	4874	3705	3308	11781
1178 85 CR 252	4548	4321	3329	12292
1182 LSC 901	5159	4474	3843	13458
1186 NY86I08	4342	4217	3547	11890
9002 120	5506	3908	3240	12831
HARV MEANS	4850	4055	3468	12373
CV %	9.8	8.2	7.5	6.9
LSD (5%)	567.7	401.7	312.1	1021.5

** 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 covariates, 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 covariates, however, because of the nature of this covariance analysis, the corrected total yield will be similar but not equal to the sum of the cut 1,2 and 3 yields listed.

CORRECTED INFORMATION

Registration trial D, seeded 1989,
Nearest-neighbour covariance adj., harvested 1990, Elora

MEAN YIELD (kg/ha)				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	5484	3987	3484	12954
1039 EXCALIBUR	5304	4128	3494	12971
1120 B853	5667	4070	3309	13061
1124 AP8632	5221	3929	3146	12273
1128 2833	5605	4061	3317	13029
1132 PREMIER	4722	3933	3228	11894
1136 NK 87756	4993	4061	3415	12532
1140 VECTOR	5276	4157	3320	12805
1144 C268	5493	3887	3421	12775
1148 870S	5142	3987	3210	12323
1152 VS 775	5595	4221	3306	13067
1156 87758	4848	4033	3374	12288
1160 MEDALLION	5328	3965	3243	12581
1164 WL 317	5053	3664	3171	11864
1168 AGGRESSOR	5139	3910	3131	12220
1172 AP 8831	5229	3775	3125	12171
1176 XAL 72	4871	4407	3604	12768
1180 86 PR 221	5182	3907	3185	12217
1184 LSC 928	5222	4114	3629	12912
1188 MULTI-PLIER	5598	4019	3337	12967
9002 120	6244	3984	3130	13320
HARV MEANS	5296	4009	3313	12619
CV %	8.7	5.3	5.1	4.8
LSD (5%)	555.0	256.7	201.5	730.4

Verticillium Wilt trial; Retest of 1987 Entries
1991 Test, Guelph

ENTRY	ADJUSTED % R	DSI
9012 VERNAL	1.5	4.5
1001 SARANAC	12.3	3.9
1007 VERTUS	40.0	2.8
1100 MPR	37.1	2.8
1101 A25	30.6	3.1
1102 BPR 335	15.2	3.4
1103 NAPB 35	11.6	3.3
1104 LSC 725	10.9	3.5
1105 LSC 726	21.1	3.4
1106 LSC 728	21.1	3.4
1107 NK 85-32	17.4	3.4
1108 NK 85-45	21.8	2.9
1109 NK 86-109	31.3	2.9
1110 S 36	24.0	2.9
1111 S 88	38.6	2.9
1112 A 871	26.9	2.9
1113 5331	4.4	4.1
1114 YAR 64	8.0	3.8
1115 82 A	14.5	3.6
1116 OAC 83-110	46.6	2.5
9065 G 2841	40.0	2.7
9071 NAPB 31	32.0	3.0
9072 IMPACT	33.5	3.0
9073 A 872	51.6	2.5
1075 MAXIM	40.0	2.8

LSD (5%) .37

Verticillium Wilt Trial; 1989 Entries
1991 Test, Guelph

ENTRY	ADJUSTED % R	DSI
9012 VERNAL	4.5	4.2
1001 SARANAC	5.1	4.2
1007 VERTUS	40	2.3
1148 870S	41.4	2.2
1149 OAC 81-122R	37.9	2.6
1154 MIRNA	14.8	3.9
1156 87758	27.2	3.1
1158 A 8820	43.1	2.3
1159 G 636	34.1	2.7
1164 WL 317	30.6	2.9
1165 PROMISE	47.1	2.0
1166 86-141	43.7	2.3
1167 85-140	33.3	2.9
1168 AP 8743	28.0	2.9
1169 AP 8830	30.6	2.9
1170 TERMINATOR	39.1	2.5
1171 AGI-72	8.0	4.1
1176 XAL 72	22.7	3.4
1177 XAM 73	27.8	2.7
1178 85 CR 252	19.8	3.6
1179 85 CR 262	10.8	4.0
1180 86 PR 221	34.6	2.7
1181 AP 8821	31.8	2.8
1182 LSC 901	6.8	4.2
1183 LSC 903	10.2	3.9
1184 LSC 928	8.5	4.2
1185 LSC 630	4.0	4.3
LSD (5%)		.36

Verticillium Wilt Trial; 1990 Entries,
1991 Test, Guelph

ENTRY	ADJUSTED % R	DSI
1002 DUPUITS	6.6	4.5
1007 VERTUS	40.0	2.4
1023 TRUMPETOR	26.3	3.1
1148 870S	24.1	3.2
1189 XAM84	7.1	4.3
1190 YAM91	15.3	3.7
1191 YAE92	26.3	3.0
1193 87777	20.8	3.4
1194 88778	20.8	3.2
1195 90ML3-NK	40	2.2
1196 90ML4-NK	37.3	2.5
1202 DS 9012	14.3	3.7
1203 DS 9013	7.8	4.2
1208 NY8832	42.9	2.3
1209 AP8832	30.1	3.0
1210 90-1	34.5	2.5
1211 90-2	37.3	2.4
1213 LSC 9010	24.1	3.1
1214 LSC 9011	18.1	3.6
1218 AP8842	18.6	3.5
1222 8638C	15.3	3.8
1223 8713A	16.4	3.8
1226 P1859	6.0	4.3
LSD (5%)		.44

PHYTOPHTHORA ROOT ROT TEST - 1991
OTTAWA

ENTRY	ADJUSTED % R	DSI
1251 NK91-1	90	1.98
1252 NK91-2	88	1.94
1266 SL9118	70	2.59
1233 PS90-6	51	3.00
1265 SL9117	50	2.97
1250 90792	44	3.17
1249 90791	42	3.35
1000 AGATE	43	3.29
1002 DUPUIITS	2	4.81
LSD (.10)		.34

Alfalfa performance trial A, seeded 1989,
harvested 1991, Thunder Bay

		MEAN YIELD (kg/ha)		
CULTIVAR		CUT 1	CUT 2	TOTAL
1001	SARANAC	5931	2516	8446
1017	532	5710	2573	8284
1023	TRUMPETOR	5168	2343	7511
1025	VISTA	5575	2477	8052
1030	ARMOR	5354	2343	7697
1033	PRESERVE	6100	2324	8424
1039	EXCALIBUR	5168	2400	7569
1046	AWARD	5321	2612	7932
1055	ADVANCE	5643	2343	7985
1067	CRUSADER	5388	2420	7808
1074	ARROW	5727	2343	8070
1079	TOMAHAWK	6185	2573	8758
9001	ALGONQUIN	5371	2170	7541
9002	120	5626	2381	8007
9003	GLORY	4982	2381	7363
9004	IROQUOIS	5168	2343	7511
9006	OAC MINTO	5676	2362	8038
9009	526	5609	2151	7759
9015	THUNDER	4982	1997	6979
9018	WL 222	5439	2362	7801
9051	SHIELD	5033	2381	7414
9052	CROWN	5863	2362	8225
9062	ULTRA	5931	2420	8350
HARV MEANS		5519	2373	7892
CV %		9.3	9.3	7.2
LSD (5%)		702.6	302.5	783.2

Alfalfa performance trial C, seeded 1989,
harvested 1991, Thunder Bay

		MEAN YIELD (kg/ha)		
CULTIVAR		CUT 1	CUT 2	TOTAL
1001	SARANAC	5035	2188	7222
1003	ANCHOR	5255	1934	7190
1004	ANGUS	4917	1974	6891
1011	CITATION	5226	1961	7187
1018	PRIMAL	4475	1761	6236
1019	REGAL	4873	1988	6860
1020	SPECTRUM	4392	1874	6265
1024	TURBO	5314	2014	7329
1039	EXCALIBUR	4932	1988	6919
1040	DK-135	4843	1881	6724
1047	APOLLO II	5005	2308	7313
1052	HUSKY	4755	1921	6676
1076	G-2852	5403	2174	7577
1082	PINNACLE	5314	2161	7475
1085	DK-125	5020	2228	7248
1092	CHIEF	4917	1961	6878
9002	120	4329	1743	6072
9005	MAGNUM	4725	1841	6566
9022	OLINDA	5006	2101	7107
9041	ONEIDA VR	4946	2054	7001
9053	CENTURION	5049	1908	6957
HARV MEANS		4940	1998	6938
CV %		11.1	12.9	9.1
LSD (5%)		650.0	304.6	748.8

Alfalfa Performance trial A, seeded 1989,
harvested 1991, New Liskeard

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1025 VISTA	6993	3937	10929
1079 TOMAHAWK	6678	4126	10804
9009 526	6802	3995	10797
9006 OAC MINTO	6237	4297	10534
9062 ULTRA	6647	3874	10521
1039 EXCALIBUR	6616	3807	10423
9051 SHIELD	6424	3950	10374
9052 CROWN	6023	4242	10265
1017 532	5971	4261	10232
9018 WL 222	6339	3863	10202
9003 GLORY	6964	4176	10139
9015 THUNDER	6118	3982	10100
9004 IROQUOIS	6448	3593	10042
1074 ARROW	6119	3870	9989
1001 SARANAC	6237	3712	9949
1046 AWARD	6061	3849	9910
1033 PRESERVE	6341	3508	9849
9002 120	6188	3640	9828
9001 ALGONQUIN	6229	3463	9692
1067 CRUSADER	5856	3805	9661
1023 TRUMPETOR	5897	3703	9599
1055 ADVANCE	5970	3538	9507
1030 ARMOR	5672	3748	9420
HARV MEANS	6253	3867	10120
LSD (5%)	300	202	401
CV %	7.7	8.4	6.4

Alfalfa Performance trial B, seeded 1989,
harvested 1991, New Liskeard

MEAN YIELD (kg/ha)			
CULTIVAR	CUT 1	CUT 2	TOTAL
9050 SURE	6406	5567	11973
9011 VALOR	6147	5451	11598
1039 EXCALIBUR	6488	4993	11481
1048 WL 316	6098	5191	11288
1056 88	6084	4904	10987
9032 AMBASSADOR	6055	4789	10844
1078 EDGE	6165	4645	10810
1009 BLAZER	6143	4662	10805
1084 VERTA +	6223	4532	10756
9023 COMSEL	6066	4689	10755
1071 BELL RINGER	5970	4782	10752
1021 THOR	6191	4400	10591
1057 ADMIRAL	5613	4961	10574
1006 APICA	6122	4432	10554
9002 120	6283	4254	10538
1073 SURPASS	5892	4598	10490
1016 PEAK	5742	4622	10364
1001 SARANAC	5948	4379	10327
1028 ALLOUETTE	5703	4545	10248
9040 MOHAWK	5660	4465	10125
1063 MAGNUM +	5663	4448	10111
1014 HUNTER	5938	4115	10052
1053 EAGLE	5588	4260	9847
1012 CLASSIC	5635	4210	9845
9027 NOBLE	5430	3974	9404
HARV MEANS	5970	4635	10605
LSD (5%)	241	304	385
CV %	6.8	11.0	6.1

Alfalfa performance trial C, seeded 1989,
harvested 1991, New Liskeard

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1082 PINNACLE	7231	4555	11786
9041 ONIEDA	7006	4342	11348
9053 CENTURION	6875	4446	11321
1004 ANGUS	7123	4160	11283
1085 DK-125	6944	4227	11171
1001 SARANAC	6763	4294	11057
9002 120	6299	4611	10910
1076 G2852	6466	4428	10894
9022 OLINDA	6576	4279	10855
1024 TURBO	6726	4127	10853
1020 SPECTRUM	6840	3999	10840
1039 EXCALIBUR	6571	4139	10711
1052 HUSKY	6637	4061	10699
9005 MAGNUM	6612	4084	10696
1047 APOLLO II	6569	4111	10680
1019 REGAL	6224	4439	10664
1040 DK-135	6470	4177	10646
1011 CITATION	6570	3977	10547
1092 CHIEF	6406	4090	10496
1003 ANCHOR	6528	3963	10491
1018 PRIMAL	6381	4062	10443
HARV MEANS	6658	4218	10876
LSD (5%)	363	259	495
CV %	8.3	9.3	6.8

PERSISTENCE DATA

Alfalfa performance trial C, seeded 1989,
Nearest-neighbour covariance adj., harvested 1991, Ridgetown

MEAN YIELD (kg/ha)		
CULTIVAR	CUT 1	% of checks (120 & Excalibur)
1001 SARANAC	7401	98
1003 ANCHOR	7235	96
1004 ANGUS	7166	95
1011 CITATION	7193	96
1018 PRIMAL	6783	90
1019 REGAL	6651	88
1020 SPECTRUM	6733	89
1024 TURBO	7368	98
1039 EXCALIBUR	7370	98
1040 DK-135	6981	93
1047 APOLLO II	6870	91
1052 HUSKY	7398	98
1076 G-2852	7258	96
1082 PINNACLE	6709	89
1085 DK-125	7619	101
1092 CHIEF	7022	93
9002 120	7690	102
9005 MAGNUM	6806	90
9022 OLINDA	6819	91
9041 ONEIDA VR	6562	87
9053 CENTURION	7226	96
HARV MEANS	7089	
CV %	7.4	
LSD (5%)	624.9	

TIMOTHY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

Recommended in Publication 296

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

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years</u> <u>Of Yield Data</u>
6102	Syn S	UCO	Support for reg., defer (3)	-
6101	Hokusen	Oseco	No support 91, testing complete	19
6066	Mohawk	UCO	Support for reg., defer (2)	29
6103	PXTA 01	Ottawa	No support 91, testing completed	12
6104	PXTA 04	Ottawa	No support 91, testing completed	12
6105	PXTA 09	Ottawa	No support 91, testing completed	12
6106	Promesse	Brett-Young	No support 91, re-examine 92	9
6107	EPHP 10	Brett-Young		5
6108	EPHP 18	Brett-Young	No support 91, re-examine 92	9
6109	NY83-1	UCO	Support for reg., defer (1)	9
6110	NY83-2	UCO	No support 91, re-examine 92	9
6111	PXTE-01	Ottawa	No support 91, re-examine 92	9
6112	PXTE-02	Ottawa	No support 91, re-examine 92	9
6113	PXTE-04	Ottawa	No support 91, re-examine 92	9
6114	SV8414	Bonis		4
6115	SV8406	Bonis		4
6116	SV8505	Bonis		4
6117	Alex	Brett-Young		4
6118	Extremo	Brett-Young		4
6119	Liphlea	Brett-Young		4
6120	PXTE-05	Ottawa		4
6121	T120	Oseco		0
6122	RVP03	Oseco		0
6123	TM8601	N.K.		0
6124	HT31	Pickseed		0

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	7190
TIMFOR	6040	6240
MOHAWK	6066	6805
WWT 118	6097	7159
TM 85-1	6098	6686
TM 85-2	6099	6681
LIROCCO	6100	6825
HOKUSEN	6101	5841
SYN-S	6102	6655
PXTA-01	6103	6869
PXTA-04	6104	6687
PXTA-09	6105	5980
MEAN		6635
CV (%)		7.4

ONTARIO FORAGE CROPS COMMITTEE
 1988 New Liskeard Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	3975
TIMFOR	6040	4154
MOHAWK	6066	3726
WWT 118	6097	3876
TM 85-1	6098	3523
TM 85-2	6099	3598
LIROCCO	6100	3680
HOKUSEN	6101	3666
SYN-S	6102	3799
PXTA-01	6103	3783
PXTA-04	6104	3674
PXTA-09	6105	3566
MEAN		3752
CV (%)		8.9

ONTARIO FORAGE CROPS COMMITTEE
 1989 Elora Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	3145
TIMFOR	6040	3263
MOHAWK	6066	3364
HOKUSEN	6101	3426
SYN-S	6102	3762
PXTA-01	6103	3226
PXTA-04	6104	3132
PXTA-09	6105	3155
PROMESSE	6106	3042
EPHP10	6107	2792
EPHP18	6108	3206
NY 83-1	6109	3233
NY 83-2	6110	3213
PXTE-01	6111	2876
PXTE-02	6112	3295
PXTE-04	6113	2836
MEAN		3185
CV (%)		7.2

ONTARIO FORAGE CROPS COMMITTEE
 1989 Ottawa Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	5758
TIMFOR	6040	5690
MOHAWK	6066	5423
HOKUSEN	6101	4808
SYN-S	6102	5224
PXTA-01	6103	5888
PXTA-04	6104	5796
PXTA-09	6105	4937
PROMESSE	6106	5093
EPHP10	6107	5184
EPHP18	6108	4845
NY 83-1	6109	5435
NY 83-2	6110	5749
PXTE-01	6111	5345
PXTE-02	6112	5408
PXTE-04	6113	6310
MEAN		5431
CV (%)		9.3

ONTARIO FORAGE CROPS COMMITTEE
 1989 Kapuskasing Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5035	983	6018
TIMFOR	6040	5047	961	6008
MOHAWK	6066	5456	1765	7221
HOKUSEN	6101	4265	601	4866
SYN-S	6102	5089	1077	6166
PXTA-01	6103	5249	1100	6349
PXTA-04	6104	4865	977	5842
PXTA-09	6105	4422	675	5097
PROMESSE	6106	5094	749	5843
EPHP10	6107	4990	866	5856
EPHP18	6108	4668	961	5629
NY 83-1	6109	5440	1764	7204
NY 83-2	6110	5111	801	5912
PXTE-01	6111	4799	1853	6652
PXTE-02	6112	4875	1060	5935
PXTE-04	6113	4789	1211	6000
MEAN		4950	1088	6037
CV (%)		6.0	15.3	6.0

ONTARIO FORAGE CROPS COMMITTEE
 1990 Ridgetown Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	6775
TIMFOR	6040	6554
PROMESSE	6106	7424
EPHP18	6108	6211
NY 83-1	6109	7471
NY 83-2	6110	8032
PXTE-01	6111	6730
PXTE-02	6112	7182
PXTE-04	6113	7336
SV8414	6114	6859
SV8406	6115	7214
SV8505	6116	6963
AXEL	6117	7117
EXTREMO	6118	6846
LIPHLEA	6119	6997
PXTE-05	6120	7439
MEAN		7072
CV (%)		7.9

ONTARIO FORAGE CROPS COMMITTEE
 1990 Ottawa Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	6197	3199	9396
TIMFOR	6040	5039	4374	9413
PROMESSE	6106	6054	3022	9076
EPHP18	6108	5454	2387	7841
NY 83-1	6109	5894	3269	9163
NY 83-2	6110	6515	2917	9432
PXTE-01	6111	5447	3042	8489
PXTE-02	6112	5304	2682	7986
PXTE-04	6113	5789	3315	9104
SV8414	6114	5410	3664	9074
SV8406	6115	5430	3158	8588
SV8505	6116	5185	3318	8503
AXEL	6117	6350	3233	9583
EXTREMO	6118	6971	3643	10614
LIPHLEA	6119	5779	2908	8687
PXTE-05	6120	6256	2651	8907
MEAN		5817	3174	8991
CV (%)		10.9	20.5	10.6

ONTARIO FORAGE CROPS COMMITTEE
 1990 New Liskeard Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	4243	1148	5391
TIMFOR	6040	4381	1494	5875
PROMESSE	6106	4051	1208	5259
EPHP18	6108	4166	1320	5486
NY 83-1	6109	4193	1444	5637
NY 83-2	6110	3906	1282	5188
PXTE-01	6111	3688	1216	4904
PXTE-02	6112	4222	1115	5337
PXTE-04	6113	3742	1297	5039
SV8414	6114	4510	1060	5570
SV8406	6115	4309	951	5260
SV8505	6116	4391	1175	5566
AXEL	6117	4127	1020	5147
EXTREMO	6118	3917	1462	5379
LIPHLEA	6119	4003	980	4983
PXTE-05	6120	4383	818	5201
MEAN		4139	1187	5326
CV (%)		7.2	30.9	9.0

ONTARIO FORAGE CROPS COMMITTEE
 1990 Kapuskasing Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	4915	1709	6624
TIMFOR	6040	4415	2105	6520
PROMESSE	6106	4276	1560	5836
EPHP18	6108	4347	1584	5931
NY 83-1	6109	4656	1756	6412
NY 83-2	6110	4788	1205	5993
PXTE-01	6111	4181	1129	5310
PXTE-02	6112	4917	1693	6610
PXTE-04	6113	4074	1722	5796
SV8414	6114	4526	1941	6467
SV8406	6115	5323	1748	7071
SV8505	6116	5074	1444	6518
AXEL	6117	4442	2110	6552
EXTREMO	6118	4938	1573	6511
LIPHLEA	6119	4461	1710	6171
PXTE-05	6120	5174	1561	6735
MEAN		4657	1659	6316
CV (%)		7.6	13.0	6.3

ONTARIO FORAGE CROPS COMMITTEE
 1987 Kapuskasing Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	4432	631	5063
TIMFOR	6040	4366	980	5346
WINMOR	6075	4292	784	5076
PRONTO	6037	4376	1024	5400
RICHMOND	6050	4819	951	5770
CHAMP	6005	4262	671	4933
MARIPOSA	6081	4735	645	5380
SALVO	6062	4332	511	4843
TORO	6030	4020	619	4639
ITASCA	6026	4523	727	5250
BASHO	6009	4588	689	5277
ALEXANDER	6086	4736	1273	6009
MEAN		4457	792	5249
CV (%)		8.1	15.6	7.7

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	6885
TIMFOR	6040	6699
ALEXANDER	6086	6825
BASHO	6009	6653
CHAMP	6005	6613
ITASCA	6026	7124
MARIPOSA	6081	7073
RICHMOND	6050	7253
SALVO	6062	6942
TORO	6030	6528
WINMOR	6075	6814
K215	6074	6795
MEAN		6850
CV (%)		10.0

ONTARIO FORAGE CROPS COMMITTEE
 1989 Ottawa Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut1
CLIMAX	6002	6081
TIMFOR	6040	6316
ALEXANDER	6086	5989
BASHO	6009	5207
CHAMP	6005	6280
ITASCA	6026	5731
MARIPOSA	6081	6068
RICHMOND	6050	6222
SALVO	6062	6270
TORO	6030	5730
WINMOR	6075	5840
K215	6074	6005
MEAN		5978
CV (%)		9.5

ONTARIO FORAGE CROPS COMMITTEE
 1990 Kemptville Timothy
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	7267	2020	9287
TIMFOR	6040	7028	2332	9360
ALEXANDER	6086	6507	2090	8597
BASHO	6009	6931	2765	9696
CHAMP	6005	7149	3211	10360
ITASCA	6026	7702	2288	9990
MARIPOSA	6081	7911	3376	11287
RICHMOND	6050	7973	3715	11688
SALVO	6062	7529	2498	10027
TORO	6030	7598	4099	11697
WINMOR	6075	6435	1695	8130
GLENMOR	6074	6540	3073	9613
MEAN		7214	2764	9978
CV (%)		7.7	28.3	10.9

ONTARIO FORAGE CROPS COMMITTEE
1990 Ottawa Timothy
1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5478	2626	8104
TIMFOR	6040	5336	3120	8456
ALEXANDER	6086	5314	2510	7824
BASHO	6009	5127	2654	7781
CHAMP	6005	5331	2894	8225
ITASCA	6026	5483	3296	8779
MARIPOSA	6081	5631	3525	9156
RICHMOND	6050	6287	3469	9756
SALVO	6062	5790	2955	8745
TORO	6030	5634	3124	8758
WINMOR	6075	6004	2400	8404
GLENMOR	6074	5901	2622	8523
MEAN		5610	2933	8543
CV (%)		12.2	16.4	9.3

ORCHARDGRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

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>
3071	Pacific	Oseco	No support 91, testing completed	23
3072	DS 7	Parsons	Support for registration, defer (1)	23
3073	OSG 13	U. of Guelph	Support for reg., defer (2)	17
3074	OSG 16	U. of Guelph	Support for reg., defer (2)	23
3075	Syn 8501	UCO	Support for reg., defer (1)	15
3077	Justus	Richardson	No support 91, testing completed	15
3078	PXOD 01	Ottawa	Support for reg., defer (2)	15
3079	OKAY	Pickseed	Support for reg., defer (1)	10
3080	PXOE 01	Ottawa	No support 91, re-examine 92	10
3082	8901	UCO		4
3083	PXOE-02	Ottawa		4
3084	PXOE-03	Ottawa		4
3085	PXOE-04	Ottawa		4
3086	OG8705	UCO		0

ONTARIO FORAGE CROPS COMMITTEE
 1987 New Liskeard Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut1
KAY	3003	5847
HALLMARK	3027	4678
JUNO	3001	5095
NAPIER	3009	4442
SUMAS	3046	5236
RANCHO	3069	4869
SF8501	3070	5459
PACIFIC	3071	5227
DS-7	3072	5673
OSG-13	3073	4741
OSG-16	3074	5157
MEAN		5129
CV (%)		13.4

ONTARIO FORAGE CROPS COMMITTEE
 1988 New Liskeard Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	4216	975	5191
HALLMARK	3027	3924	1303	5227
JUNO	3001	3581	1156	4737
NAPIER	3009	4192	896	5088
SUMAS	3046	4192	700	4892
RANCHO	3069	3775	1048	4823
SF8501	3070	4105	1052	5157
PACIFIC	3071	3943	1229	5172
DS-7	3072	4131	1018	5149
OSG-13	3073	3471	959	4430
OSG-16	3074	4388	916	5304
SYN8501	3075	4073	1220	5293
MOBITE	3076	3907	1185	5092
JUSTUS	3077	3828	1051	4879
PXOD-01	3078	4319	1284	5603
MEAN		4003	1066	5069
CV (%)		8.0	35.7	10.8

ONTARIO FORAGE CROPS COMMITTEE
 1989 Ridgetown Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut1
KAY	3003	9371
HALLMARK	3027	9103
JUNO	3001	9283
NAPIER	3009	8413
SUMAS	3046	9476
RAPIDO	3066	9631
RANCHO	3069	10088
PACIFIC	3071	9130
DS-7	3072	8555
OSG-16	3074	10384
SYN8501	3075	8769
MOBITE	3076	9612
JUSTUS	3077	8486
PXOD-01	3078	9668
OKAY	3079	10392
PXOE01	3080	8912
MEAN		9330
CV (%)		9.5

ONTARIO FORAGE CROPS COMMITTEE
 1989 Kapuskasing Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	4301	1408	5709
HALLMARK	3027	3039	1784	4823
JUNO	3001	3175	1524	4699
NAPIER	3009	3505	1754	5259
SUMAS	3046	3412	1190	4602
RAPIDO	3066	3462	2130	5592
RANCHO	3069	3319	1672	4991
PACIFIC	3071	3378	1605	4983
DS-7	3072	3635	1799	5434
OSG-16	3074	4554	1003	5557
SYN8501	3075	3437	1936	5373
MOBITE	3076	3283	1978	5261
JUSTUS	3077	3054	1721	4775
PXOD-01	3078	4107	1432	5539
OKAY	3079	4102	1616	5718
PXOE01	3080	4331	1352	5683
MEAN		3631	1619	5250
CV (%)		9.9	12.6	7.8

ONTARIO FORAGE CROPS COMMITTEE
 1989 Thunder Bay Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	5379	2156	7535
HALLMARK	3027	5300	2025	7325
JUNO	3001	5914	2002	7916
NAPIER	3009	5445	2219	7664
SUMAS	3046	4958	1987	6945
RAPIDO	3066	5323	2093	7416
RANCHO	3069	5578	2313	7891
PACIFIC	3071	5538	2363	7901
DS-7	3072	5152	2428	7580
OSG-16	3074	4345	1944	6289
SYN8501	3075	5723	2609	8332
MOBITE	3076	4612	2309	6921
JUSTUS	3077	5342	1972	7314
PXOD-01	3078	4912	1981	6893
OKAY	3079	5763	2167	7930
PXOE01	3080	4839	1951	6790
MEAN		5258	2157	7415
CV (%)		10.8	14.4	9.5

ONTARIO FORAGE CROPS COMMITTEE
 1988 Kapuskasing Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	3187	1744	4931
HALLMARK	3027	1508	1667	3175
JUNO	3001	2502	1493	3995
NAPIER	3009	1891	1440	3331
SUMAS	3046	1651	1448	3099
RANCHO	3069	1900	1383	3283
SF8501	3070	2995	1661	4656
PACIFIC	3071	1787	1419	3206
DS-7	3072	3335	2078	5413
OSG-13	3073	2794	1609	4403
OSG-16	3074	2881	1443	4324
SYN8501	3075	2125	1801	3926
MOBITE	3076	1987	1679	3666
JUSTUS	3077	1603	1325	2928
PXOD-01	3078	2496	1778	4274
MEAN		2309	1598	3907
CV (%)		14.2	14.7	12.2

ONTARIO FORAGE CROPS COMMITTEE
 1990 Elora Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	4078	3101	7179
HALLMARK	3027	3399	3351	6750
JUNO	3001	3609	3082	6691
NAPIER	3009	3428	3168	6596
SUMAS	3046	3776	3186	6962
RAPIDO	3066	3965	3516	7481
RANCHO	3069	4026	3482	7508
OKAY	3079	4086	3275	7361
PXOE01	3080	4243	2956	7199
8901	3082	3884	3365	7249
PXOE02	3083	3871	2720	6591
PXOE03	3084	3845	2815	6660
PXOE04	3085	3779	2793	6572
MEAN		3845	3139	6985
CV (%)		12.5	8.2	9.4

ONTARIO FORAGE CROPS COMMITTEE
 1990 Ottawa Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	7132	3320	10452
HALLMARK	3027	6988	4836	11824
JUNO	3001	6003	3967	9970
NAPIER	3009	6474	4949	11423
SUMAS	3046	6530	4037	10567
RAPIDO	3066	6798	4386	11184
RANCHO	3069	6608	4550	11158
OKAY	3079	7016	4023	11039
PXOE01	3080	6448	3562	10010
8901	3082	6208	4742	10950
PXOE02	3083	6132	2842	8974
PXOE03	3084	6333	3898	10231
PXOE04	3085	6883	3059	9942
MEAN		6581	4013	10594
CV (%)		9.7	20.5	11.2

ONTARIO FORAGE CROPS COMMITTEE
 1990 New Liskeard Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	5819	1467	7286
HALLMARK	3027	5156	1642	6798
JUNO	3001	5727	1456	7183
NAPIER	3009	5486	1682	7168
SUMAS	3046	5770	1281	7051
RAPIDO	3066	6230	1895	8125
RANCHO	3069	6191	1798	7989
OKAY	3079	6425	1321	7746
PXOE01	3080	6772	1408	8180
8901	3082	6017	1577	7594
PXOE02	3083	6385	1425	7810
PXOE03	3084	6245	1709	7954
PXOE04	3085	6215	1402	7617
MEAN		6034	1543	7577
CV (%)		6.6	17.6	5.8

ONTARIO FORAGE CROPS COMMITTEE
 1990 Thunder Bay Orchardgrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
KAY	3003	6348	2964	9312
HALLMARK	3027	6281	4009	10290
JUNO	3001	5593	3364	8957
NAPIER	3009	6303	3390	9693
SUMAS	3046	7081	3956	11037
RAPIDO	3066	6292	3386	9678
RANCHO	3069	6059	3470	9529
OKAY	3079	7669	3442	11111
PXOE01	3080	7092	2611	9703
8901	3082	4536	3646	8182
PXOE02	3083	6850	2898	9748
PXOE03	3084	7007	2897	9904
PXOE04	3085	6007	2794	8801
MEAN		6394	3294	9688
CV (%)		14.4	12.4	10.0

BROMEGRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

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>
2046	Kesto	Speare	No support 91, re-examine 92	10
2047	PXBD 01	Ottawa	Support for registration, defer (1)	10
2049	86B	Szego	No support 91, re-examine 92	7
2050	Rebound	Zuelzer		4
2051	Radison	OFCC		4

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Bromegrass
 1991 dry matter yield (kg/ha)

entry	code	cut1
BAYLOR	2001	8289
SARATOGA	2002	7804
TEMPO	2024	8007
BEACON	2027	8103
BRAVO	2039	7551
KESTO	2046	7699
PXBD-01	2047	8425
MEAN		7983
CV (%)		4.7

ONTARIO FORAGE CROPS COMMITTEE
 1989 Ottawa Bromegrass
 1991 dry matter yield (kg/ha)

entry	code	cut1
BAYLOR	2001	6863
SARATOGA	2002	6371
TEMPO	2024	6409
BEACON	2027	6606
BRAVO	2039	6743
KESTO	2046	6013
PXBD-01	2047	6884
86B	2049	6774
MEAN		6583
CV (%)		3.9

ONTARIO FORAGE CROPS COMMITTEE
 1989 New Liskeard Bromegrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	5727	2147	7874
SARATOGA	2002	6324	3077	9401
TEMPO	2024	5986	3075	9061
BEACON	2027	5867	2401	8268
BRAVO	2039	6428	3199	9627
KESTO	2046	6176	2939	9115
PXBD-01	2047	6467	2793	9260
86B	2049	6569	3030	9599
MEAN		6193	2833	9026
CV (%)		16.7	14.9	14.1

ONTARIO FORAGE CROPS COMMITTEE
 1990 Elora Bromegrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	2794	2095	4889
SARATOGA	2002	3112	2561	5673
TEMPO	2024	3833	2345	6178
BEACON	2027	3622	2329	5951
BRAVO	2039	3620	2431	6051
KESTO	2046	3174	1705	4879
PXBD-01	2047	3455	2472	5927
86B	2049	3797	2542	6339
REBOUND	2050	4105	2635	6740
RADISON	2051	3788	2032	5820
MEAN		3530	2315	5845
CV (%)		13.9	11.2	10.5

ONTARIO FORAGE CROPS COMMITTEE
 1990 Ottawa Bromegrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	6834	4361	11195
SARATOGA	2002	6702	3845	10547
TEMPO	2024	6806	4194	11000
BEACON	2027	6938	4214	11152
BRAVO	2039	6984	4078	11062
KESTO	2046	6445	3108	9553
PXBD-01	2047	7333	4160	11493
86B	2049	6789	4644	11433
REBOUND	2050	5810	3950	9760
RADISON	2051	6819	3963	10782
MEAN		6746	4052	10798
CV (%)		12.0	13.3	7.9

ONTARIO FORAGE CROPS COMMITTEE
 1990 Kapuskasing Bromegrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	5451	3039	8490
SARATOGA	2002	5944	3743	9687
TEMPO	2024	5689	3435	9124
BEACON	2027	6074	3615	9689
BRAVO	2039	5714	3466	9180
KESTO	2046	5840	3414	9254
PXBD-01	2047	6130	3543	9673
86B	2049	5930	3898	9828
REBOUND	2050	5598	3581	9179
RADISON	2051	5955	3581	9536
MEAN		5833	3532	9364
CV (%)		8.5	4.4	5.5

ONTARIO FORAGE CROPS COMMITTEE
 1990 Thunder Bay Bromegrass
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	5279	2650	7929
SARATOGA	2002	6800	3822	10622
TEMPO	2024	6403	3662	10065
BEACON	2027	6275	3256	9531
BRAVO	2039	6155	3086	9241
KESTO	2046	5151	3036	8187
PXBD-01	2047	5852	2956	8808
86B	2049	7100	3760	10860
REBOUND	2050	6927	3460	10387
RADISON	2051	6167	3043	9210
MEAN		6211	3273	9484
CV (%)		7.3	12.9	7.8

TALL FESCUE VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

Recommended Varieties

Stef Courtenay
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 (3)	22
5522	Syn A			
	(AC Graze)	Pickseed	Support for reg., defer (3)	22
5518	Martin	Oseco	Dropped at Company request	18
5524	FA 8CD	Oseco	No support 91, re-examine 92	14
5525	TF-1	Richardson	No support 91, re-examine 92	14
5526	MCF101	McDonald College	Support for registration, defer (1)	9
5527	MCF102	McDonald College	Support for registration, defer (1)	9
5528	TF8872	Oseco		4

ONTARIO FORAGE CROPS COMMITTEE
 1988 Kapuskasing Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
SYN. A	5522	2252	1417	1649	5318
STEF	5517	2539	1148	1821	5508
SYN. W	5516	2219	1121	1457	4797
MARTIN	5518	2685	918	1852	5455
FESTORINA	5519	2555	803	1542	4900
FA-293	5520	2356	1119	1606	5081
FA-295	5521	1940	899	1784	4623
COURTENAY	5523	2503	1475	2188	6166
FA 8CD	5524	2468	1149	1647	5264
TF-1	5525	2796	955	1243	4994
MEAN		2431	1100	1679	5211
CV (%)		10.5	11.9	14.5	8.5

ONTARIO FORAGE CROPS COMMITTEE
 1988 Ottawa Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut1
SYN. A	5522	5587
STEF	5517	6342
SYN. W	5516	6735
MARTIN	5518	6550
FESTORINA	5519	6126
FA-293	5520	6218
FA-295	5521	5649
COURTENAY	5523	6027
FA 8CD	5524	5641
TF-1	5525	5953
MEAN		6083
CV (%)		9.5

ONTARIO FORAGE CROPS COMMITTEE
 1989 Elora Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
SYN. A	5522	4347	3436	7783
STEF	5517	4887	3981	8868
SYN. W	5516	4287	3383	7670
MARTIN	5518	3191	3380	6571
FESTORINA	5519	3687	3382	7069
FA-293	5520	3657	3627	7284
FA-295	5521	3861	3205	7066
COURTENAY	5523	4196	3363	7559
FA 8CD	5524	3855	4077	7932
TF-1	5525	3962	3212	7174
MCF-101	5526	3944	4257	8201
MCF-102	5527	4526	3685	8211
MEAN		4033	3582	7616
CV (%)		10.1	19.9	11.2

ONTARIO FORAGE CROPS COMMITTEE
 1989 Ottawa Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut1
SYN. A	5522	4860
STEF	5517	5224
SYN. W	5516	5651
MARTIN	5518	6182
FESTORINA	5519	5437
FA-293	5520	4954
FA-295	5521	5098
COURTENAY	5523	6556
FA 8CD	5524	5120
TF-1	5525	5517
MCF-101	5526	5059
MCF-102	5527	5765
MEAN		5452
CV (%)		10.3

ONTARIO FORAGE CROPS COMMITTEE
 1989 New Liskeard Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
SYN. A	5522	6569	2189	8758
STEF	5517	7036	2943	9979
SYN. W	5516	7550	2468	10018
MARTIN	5518	6877	3459	10336
FESTORINA	5519	6841	2797	9638
FA-293	5520	7079	2817	9896
FA-295	5521	5572	2991	8563
COURTENAY	5523	7351	2834	10185
FA 8CD	5524	7265	2848	10113
TF-1	5525	7584	2932	10516
MCF-101	5526	7775	2749	10524
MCF-102	5527	8606	3016	11622
MEAN		7175	2837	10012
CV (%)		10.5	17.8	9.3

ONTARIO FORAGE CROPS COMMITTEE
 1990 Ridgetown Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut1
SYN. A	5522	5832
STEF	5517	6283
SYN. W	5516	6593
FESTORINA	5519	6913
COURTENAY	5523	6826
FA 8CD	5524	5958
TF-1	5525	6619
MCF-101	5526	7689
MCF-102	5527	7051
TF 8872	5528	7030
MEAN		6679
CV (%)		6.3

ONTARIO FORAGE CROPS COMMITTEE
 1990 Kemptville Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
SYN. A	5522	5295	4703	9998
STEF	5517	6520	6276	12796
SYN. W	5516	6950	4923	11873
FESTORINA	5519	6320	3775	10095
COURTENAY	5523	6102	5798	11900
FA 8CD	5524	7969	5269	13238
TF-1	5525	7180	5285	12465
MCF-101	5526	7193	6660	13853
MCF-102	5527	7439	5252	12691
TF 8872	5528	7078	5103	12181
MEAN		6805	5304	12109
CV (%)		11.4	16.2	11.3

ONTARIO FORAGE CROPS COMMITTEE
 1990 Ottawa Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
SYN. A	5522	5788	4653	10441
STEF	5517	6171	4778	10949
SYN. W	5516	7101	4694	11795
FESTORINA	5519	6415	5539	11954
COURTENAY	5523	6151	6320	12471
FA 8CD	5524	6729	5008	11737
TF-1	5525	6535	4150	10685
MCF-101	5526	6326	5205	11531
MCF-102	5527	6195	5722	11917
TF 8872	5528	6904	6022	12926
MEAN		6432	5209	11641
CV (%)		7.0	18.0	8.9

ONTARIO FORAGE CROPS COMMITTEE
 1990 Kapuskasing Tall Fescue
 1991 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
SYN. A	5522	5222	2338	2681	10241
STEF	5517	5847	2662	3643	12152
SYN. W	5516	5542	2471	3229	11242
FESTORINA	5519	5481	2200	3167	10848
COURTENAY	5523	5846	2853	3562	12261
FA 8CD	5524	5364	2684	3423	11471
TF-1	5525	5382	2627	2824	10833
MCF-101	5526	5992	3006	2975	11973
MCF-102	5527	5567	2789	2981	11337
TF 8872	5528	5557	2320	3163	11040
MEAN		5580	2595	3165	11340
CV (%)		10.0	13.9	13.2	8.5

REED CANARY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

Recommended Varieties

Palaton Vantage Venture

Varieties Under Test

NONE

MEADOW FOXTAIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

Recommended in Publication 296

Mountain Dan

Varieties Under Test

None

BIRDSFOOT TREFOIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

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 (4)	--
7035	Bonnie	Oseco	No support 91, examine 92	7
7036	T384	U. of Guelph		4
7037	8 Syn3	U. of Guelph		3

EXP 7195 TREFOIL TRIAL..... SEEDED 1989 THUNDER BAY

A: TTB89.91

Harvested 1991

MEAN YIELD (kg/ha)

CULTIVAR		CUT 1	CUT 2	TOTAL
7001	LEO	5592	2789	8381
7003	EMPIRE	4954	2405	7360
7033	UPSTART	5023	2913	7936
7034	BT 86-1	5486	3173	8659
7035	BONNIE	4728	3412	8139
7036	T384	4797	2442	7239
HARV MEANS		5097	2856	7952
CV %		6.8	7.9	5.3
LSD (5%)		430.1	279.7	523.0

EXP 7204 TREFOIL TRIAL..... SEEDED 1990 THUNDER BAY

A: TTB90.91

Harvested 1991

MEAN YIELD (kg/ha)

CULTIVAR		CUT 1	CUT 2	TOTAL
7001	LEO	6372	2929	9301
7003	EMPIRE	5890	2296	8186
7033	UPSTART	6110	2610	8720
7034	BT 86-1	5677	2958	8635
7035	BONNIE	5918	2806	8724
7036	T384	6218	2327	8545
7037	8SYN3	5989	2356	8345
HARV MEANS		6025	2612	8637
CV %		8.7	7.4	5.1
LSD (5%)		642.8	235.9	539.2

TREFOIL VARIETY TEST 1990
New Liskeard College of Agricultural Technology

A: TNL 90.91

ALL YIELD REPORTED AS kg/ha
1991 HARVEST YEAR

VARIETY	1ST CUT JUNE 14	2ND CUT JULY 22	TOTAL YIELD
BULL	5455	5515	7034 10970
LEO	5615	5077	7001 10693
T 384	5166	4864	7036 10029
8SYN3	5188	4655	7037 9844
BONNIE	4936	4774	7035 9710
UPSTART	4852	4467	7033 9319
EMPIRE	4376	4236	7003 8612
AVERAGE	5084	4798	9882
LSD (.05)	420 kg/ha	389 kg/ha	568 kg/ha
LSD (.01)	636 kg/ha	588 kg/ha	861 kg/ha
C.V.	5.85%	5.73%	4.07%

TREFOIL VARIETY TRIAL

Seeded 1990 OTTAWA

A: 7090.91

Harvested 1991

CULTIVAR	CUT 1	CUT 2	TOTAL
LEO	4901	1182	7001 6083
UPSTART	4622	615	7033 5236
EMPIRE	5071	1572	7003 6643
BULL (BT86-1)	4728	2993	7034 7721
BONNIE	4603	1870	7035 6473
T 384	5422	1207	7036 6629
8SYN3	5285	1014	7037 6298

CU
too High

use cut 1 only.

RED CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

Recommended Varieties

Arlington	Atlas	Florex	Persist	Prosper I
Redland III	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 91, testing completed	12
4057	MSR97	Mapleseed	Support for reg., defer (2)	7
4056	CRS4	Charlottetown	Support for reg., defer (1)	6
4058	Lero	Nemec	No support 91, testing completed	6
4060	VS 454 W	Nemec	No support 91, testing completed	6
4061	VS 454 C	Nemec	No support 91, testing completed	6
4062	HK	Richardson	No support 91, testing completed	6
4063	Marathon	OFCC	No support 91, re-examine 92	6
4064	RCPopB	Coop		6
4065	CRS 6	Charlottetown		6
4066	OACRC487	U. of Guelph		6
4067	RC887	U. of Guelph		3
4068	AP89-R-01	Oseco		3
4069	PSRC-1	Pickseed		3
4070	PSR-008	Pickseed		0
4071	22291	Parsons		0
4072	WD 1919	Oseco		0
4073	ABI90R-02	Oseco		0

Red Clover trial, seeded 1989,
harvested 1991, Elora

A: RCE 89.91

CULTIVAR	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
4017 FLOREX	5825	2197	8022
4023 ARLINGTON	5163	2366	7528
4027 PROSPER I	4543	2199	6742
4034 PERSIST	5148	2091	7239
4036 ATLAS	4637	2319	6956
4054 CRS 2	4735	2485	7220
4055 WALTER	5255	2666	7922
4056 CRS4	5372	2476	7848
4057 MSR97	4825	2239	7063
4058 LERO	5467	2429	7897
4059 AP86R-01	4885	2342	7227
4060 VS 454W	5187	2669	7856
4061 VS 454C	4807	2501	7309
4062 HK	4424	2471	6895
4063 MARATHON	5211	2714	7925
4064 RCPopB	5194	2888	8082
4065 CRS 6	5232	2932	8164
4066 OAC RC487	5823	2995	8818
HARV MEANS	5096	2499	7595
CV %	10.8	14.2	10.3
LSD (5%)	658.3	421.7	934.9

Exp 7203 RED CLOVER TRIAL

Seeded 1990

THUNDER-BAY

A:RCTB90-91

CULTIVAR	Harvested 1991		
	MEAN YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
4017 FLOREX	7302	2238	9540
4023 ARLINGTON	6608	2306	8914
4027 PROSPER I	6869	2425	9294
4034 PERSIST	6337	1626	7963
4036 ATLAS	6858	2425	9284
4054 CRS 2	6963	2620	9584
4055 WALTER	6800	2083	8882
4063 MARATHON	6623	2598	9221
4064 RCPopB	6978	2718	9696
4065 CRS 6	6760	2523	9284
4066 OAC RC487	6556	2463	9019
4067 RC887	6396	2673	9069
4068 AP 89-R-01	7185	2780	9965
4069 PS RC-1	6179	2529	8708
HARV MEANS	6744	2429	9173
CV %	10.7	10.6	7.5
LSD (5%)	865.1	307.8	823.0

A-RCNL 90.91

RED CLOVER VARIETY TEST 1990
New Liskeard College of Agricultural Technology

ALL YIELDS REPORTED AS kg/ha
1991 HARVEST YEAR

VARIETY	1ST CUT JUNE 14	2ND CUT JULY 23	TOTAL YIELD
OAC RC 487	5288	2609	4066 7897
ATLAS	4813	2795	4036 7608
PERSIST	5131	2450	4034 7581
WALTER	4985	2558	4055 7543
AP 89-R-01	4739	2776	4068 7515
RC 887	4636	2594	4067 7230
PS RC-1	4514	2694	4069 7209
MARATHON	4676	2515	4063 7191
FLOREX	4635	2484	4017 7119
CRS 2	4668	2399	4054 7057
ARLINGTON	4669	1289	4023 8-69
PC POP B	4239	2740	4064 6979
CRS 6	4097	2840	4065 6936
PROSPER I	4418	2300	4027 6718
AVERAGE	4672	2589	7261
LSD (.05)	451 kg/ha	233.1 kg/ha	546 kg/ha
LSD (.01)	628 kg/ha	330 kg/ha	761 kg/ha
C.V.	11.39%	10.78%	8.88%

Exp 1141 RED CLOVER 1990

Seeded 1990 RIDGETOWN

Harvested 1991

A: RCR 90.91

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	TOTAL
4017 FLOREX	7910	7910
4023 ARLINGTON	7135	7135
4027 PROSPER I	7830	7830
4034 PERSIST	8353	8353
4036 ATLAS	7639	7639
4054 CRS 2	7746	7746
4055 WALTER	7746	7746
4063 MARATHON	6986	6986
4064 RCPop8	7563	7563
4065 CRS 6	7163	7163
4066 OAC RC487	7633	7633
4067 RC887	6788	6788
4068 AP89-R-01	6135	6135
4069 PS RC-1	7304	7304
HARV MEANS	7424	7424
CV %	7.5	7.5

WHITE CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1992

Recommended Varieties

California	Ladino	Merit	Sacramento	Canopy
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Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
8011	Sonja	Oseco	No support 91, re-examine 92	9
8012	Osceola	Szego		4
8013	Shasta	Szego		4
8014	Alice	Parsons		7
8015	Cristal	Oseco		0

use as pers. file

WHITE CLOVER TRIAL

SEEDED 1989 ELORA

A-WCELO89.91

CULTIVAR	Harvested 1991	
	MEAN YIELD	(kg/ha)
	CUT 1	
8004 MERIT	3322	93
8005 SACRAMENTO	3567	100
8007 CAL. LADINO	3401	95
8011 SONJA	3248	91
8014 ALICE	3211	90
8015 WHITE DUTCH	3911	110
HARV MEANS	3443	
CV %	8.8	
LSD (5%)	375.3	

White Clover trial, seeded 1990,
harvested 1991, Elora

A-WCELO90.91

CULTIVAR	MEAN YIELD (kg/ha)				
	CUT 1	CUT 2	CUT 3	CUT 4	TOTAL
8004 MERIT	3450	1624	1766	2279	9119
8005 SACRAMENTO	4229	1684	1863	2187	9963
8007 CAL. LADINO	3191	1172	1514	1957	7834
8010 CANOPY	3192	1406	1451	2193	8242
8011 SONJA	3480	1357	1443	2054	8333
8012 OSCEOLA	3707	1049	1630	1771	8156
8013 SHASTA	3443	1756	1760	2164	9123
8014 ALICE	3909	1177	1398	1889	8374
8015 WHITE DUTCH	3996	835	1562	2013	8405
HARV MEANS	3622	1340	1598	2056	8616
CV %	15.6	43.0	18.0	13.4	13.9
LSD (5%)	682.9	696.4	347.5	332.1	1451.0

Exp 7202		WHITE CLOVER TRIAL		SEEDED 1990	THUNDER BAY
A=WCTB90-91		Harvested 1991			
		MEAN YIELD		(kg/ha)	
CULTIVAR		CUT 1	CUT 2	TOTAL	
MERIT	8004	4654	3633	8288	
SACRAMENTO	8005	4726	3675	8401	
CAL. LADINO	8007	4463	3421	7884	
CANOPY	8010	4494	3627	8121	
SONJA	8011	4596	3386	7982	
OSCEOLA	8012	4913	3700	8614	
SHASTA	8013	4983	3746	8729	
ALICE	8014	4520	2954	7474	
WHITE DUTCH	8015	4525	2532	7057	
HARV MEANS		4653	3408	8061	
CV %		10.7	14.4	9.2	
LSD (5%)		485.8	478.5	720.5	

Exp 1140 WHITE CLOVER 1990

Seeded 1990 RIDGETOWN

Harvested 1991

A=WC R90.91

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	TOTAL
8004 MERIT	4073	4073
8005 SACRAMENTO	3946	3946
8007 CAL. LADINO	4149	4149
8010 CANOPY	4145	4145
8011 SONJA	4390	4390
8014 ALICE	4795	4795
8015 WHITE DUTCH	4837	4837
HARV MEANS	4334	4334
CV %	6.4	6.4
LSD (5%)	405.5	405.5

A:WNL90.91

WHITE CLOVER TEST 1990
New Liskeard College of Agricultural Technology

ALL YIELDS REPORTED AS kg/ha
1991 HARVEST YEAR

VARIETY

1ST CUT - JUNE 14

SONJA	3011	3097
ALICE	3014	2922
MERIT	3004	2762
WHITE DUTCH	3015	2694
SHASTA	3013	2682
OSCEOLA	3012	2539
CANOPY	3010	2525
SACRAMENTO	3005	2521
CALIFORNIA LADINO	3007	2516
AVERAGE		2695
LSD (.05)		477 kg/ha
LSD (.01)		694 kg/ha
C.V.		10.35%

NOTE: NO SECOND CUT DUE TO DROUGHT CONDITIONS