

ONTARIO FORAGE CROP INVESTIGATIONS



1993 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

1993 REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

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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 1993 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Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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, 1994****VARIETIES RECOMMENDED FOR ONTARIO IN PUBLICATION 296**

Admiral	Crown	Legend 2	5432
Advance	Crown II	Magnum	630
Algonquin	Crusader	Magnum Plus	Resistar
Alouette	120	88	Saranac
Ambassador	DK 122	Mohawk	Shield
Anchor	DK 125	Multiplier	Spectrum
Angus	Echo	Noble	Starmaster
Apica	Edge	OAC Minto	Sure
Apollo II	Encore	Olinda	Surpass
Apollo Supreme	G2833	Oneida VR	Thunder
Armor	G2841	Pickseed 8920 MF	Tomahawk
Arrow	G2852	Pinnacle	Turbo
Centurion	Horizon	526	Ultra
Champion	Impact	5262	Verta +
Chief	Incentive	5311	WAMPR
Class	Iroquois	532	WL 316
Comsel	Legend	5364	

VARIETIES RECOMMENDED FOR THE FIRST TIME IN PUBLICATION 296

<u>New Varieties</u>	<u>Designation in Trials</u>	<u>Code # in Trials</u>	<u>Entry Year</u>
20-20	LSC 901	1182	1989
5246	YAE 92	1191	1990
AlfaLeaf	VS 805	1198	1990
WL 333	86-20	1192	1990
Trident II	Trident II	1212	1990
Majestic	NY 86I08	1186	1989

VARIETIES UNDER TEST

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Yield Data</u>
1104	LSC725	Seed Link	Decision on hold	
1105	LSC726	Seed Link	Support for reg., defer (4)	-
1106	LSC728	Seed Link	Support for reg., defer (4)	-
1111	S88	Parsons	Support for reg., defer (4)	-
1119	B852	Pickseed	Support for reg., defer (2)	9
1127	627	Nemec	Support for reg., defer (2)	7
1129	635(2980)	Nemec	Support for reg., defer (3)	8
1130	655(Asset)	Nemec	Support for reg., defer (3)	7
1141	LSC 845	Landis	Support for reg., defer (3)	8
1142	LSC 846	Landis	Support for reg., defer (3)	7

1989 ENTRIES

1176	XAL 72 (5472)	Pioneer	Support for reg., defer (2)	29
1177	XAL 73 (5373)	Pioneer	Support for reg., defer (3)	32
1182	LSC 901	Landis	Recommended, named 20-20	
1186	NY86I08	Szego	Recommended, named Majestic	

1990 ENTRIES

1189	XAM84 (5333)	Pioneer	No support 92, testing completed	20
1190	YAM91	Pioneer	Support for reg., defer (2)	11
1191	YAE92	Pioneer	Recommended, named 5246	
1192	86-20	Speare	Recommended, named WL 333	
1193	87777	N.K.	No support 92, testing completed	21
1194	88778	N.K.	No support 92, testing completed	15
1197	VS 800	Vista Canada	No support 92, testing completed	20
1198	VS 805	Vista Canada	Recommended, Named AlfaLeaf	
1199	VS 834 (Zenith)	Vista Canada	Support for reg., defer 2	10
1200	WL87-122	King Agro	No support 92, testing completed	12
1201	WL88-6	King Agro	No support 92, testing completed	17
1202	DS9012	King Agro	No support 92, testing completed	12
1203	DS9013	King Agro	No support 92, testing completed	17
1204	A 8923	Coop	No support 92, testing completed	7
1206	MBS-2821 (Crystal)	Coop	No support 92, testing completed	21
1207	MBS-6041	Coop	No support 92, testing completed	11
1208	NY 8832	Pickseed	No support 92, testing completed	18
1209	AP 8832	Pickseed	Support for reg., defer (2)	14
1210	90-1	Pickseed	Support for reg., defer (1)	22
1212	Trident II	Cargill	Recommended, named Trident II	
1213	LSC 9010	Seed Link	No support 92, testing completed	17
1214	LSC 9011	Seed Link	No support 92, testing completed	16
1215	8623 B	Thompson	No support 92, testing completed	10
1216	86-15	Thompson	No support 92, testing completed	17

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1217	8737N	Rothwell	No support 92, testing completed	19
1218	AP 8842	Oseco	No support 92, testing completed	10
1219	WL 86-14	Oseco	No support 92, testing completed	11
1220	86-124	Brett-Young	No support 92, testing completed	16
1221	85-5	Brett-Young	No support 92, testing completed	10
1222	8638C	Heritage	No support 92, testing completed	17
1223	8713A	Heritage	No support 92, testing completed	12
1225	Webfoot	J. McInerney	No support 93, re-examine 94	12
1226	P1859	Brett-Young	No support 92, testing completed	16
1227	B2186	Brett-Young	No support 92, testing completed	12

1991 ENTRIES

1228	PS 90-3	Pickseed		7
1229	PS 90-4	Pickseed	No support 93, re-examine 94	9
1230	PS 90-5	Pickseed		6
1231	AP 9031	Pickseed		7
1232	NY 8829	Pickseed		6
	(Guardsman)			
1233	PS 90-6	Pickseed	(Persistent Trial)	0
1234	AP 9016	Oseco	No support 93, re-examine 94	9
1235	ABI 9015	Oseco	No support 93, re-examine 94	9
1236	A 9004	UCO	No support 93, re-examine 94	9
1237	VS 904	Nemec	Support for reg., defer (1)	10
	(DK 133)			
1238	VS 907	Nemec	Support for reg., defer (1)	10
	(Achieva)			
1239	VS 920	Nemec	No support 93, re-examine 94	13
1240	VS 932	Nemec	No support 93, re-examine 94	13
1241	VS 943	Nemec	No support 93, re-examine 94	13
1242	86-136	Thompson	No support 93, re-examine 94	9
1243	MS-90	McInerney	(Persistent Trial)	0
	(Web MPR)			
1244	GH 777	First Line		6
1245	UN 72	Dawson		6
1246	UN 74	Dawson		6
1247	89-126	Speare	No support 93, re-examine 94	9
1248	87-135	Speare		6
1249	90791	Northrup King	Support for reg., defer (1)	12
1250	90792	Northrup King	Support for reg., defer (1)	18
1251	NK 91-1	Northrup King	No support 93, re-examine 94	12
1252	NK 91-2	Northrup King	Support for reg., defer (1)	15
1253	89-31	King Agro	No support 93, re-examine 94	9
1254	89-30	King Agro	No support 93, re-examine 94	9
1255	GG92/PHS9	Norcan	No support 93, re-examine 94	9
1256	GARST 645	Garst		6
1258	XAM 93 (5252)	Pioneer	Support for reg., defer (1)	15
1259	YAL 07	Pioneer	No support 93, re-examine 94	13

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1260	YAE 05 (5151)	Pioneer	(Persistent Trial) Reg. (Alberta)	0
1261	83CF042	Pioneer	(Persistent Trial)	0
1262	AS-D	UCO		6
1263	AS-G	UCO	No support 93, re-examine 94	9
1264	90788	Northrup King	(Persistent Trial)	0
1265	SL9117	Seed Link	No Support 93, re-examine 94	9
1266	SL9118	Seed Link	No support 93, re-examine 94	9
1267	Beaver	OFCC (Check)	(Persistent Trial)	0
1268	Spreader II	OFCC (Check)	(Persistent Trial)	0

1992 ENTRIES

1269	90-135	Speare		3
1270	T9139	Thompson		5
1271	A8911	UCO		5
1272	A9008	UCO		5
1273	A9102	UCO		3
1274	VS 9012	Nemec		3
1275	VS 9034	Nemec		5
1276	VS 9036	Nemec		5
1277	VS 9050	Nemec		5
1278	91211	NK		6
1279	91315	NK		6
1280	91800	NK		6
1281	8814	Szego		5
1282	8830	Szego		5
1283	Dominator	Oseco		5
1284	ABI 9138C	Oseco		3
1285	2J01	Bison		3
1286	2J02	Bison		5
1287	4J19	Bison		5
1288	C-3110	Coop Federee		3
1289	SL 9206	Seed Link		5
1290	SL 9207	Seed Link		3
1291	92-20	Pickseed		3
1292	Alfagraze	Pickseed		6
1293	Cimarron VR	Brett-Young		5
1294	ABI 9129C	Brett-Young		3
1295	Crystal	Heritage	Duplicate entry. See Code 1206, MBS-2821	21
1296	Exp9047	Heritage		5
1297	XAL 06	Pioneer		12
1298	YAE 11	Pioneer	Support for reg., defer (1)	14

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>1993 ENTRIES</u>				
1300	ABI9146	Oseco		0
1301	ABI9227	Oseco		0
1302	90-125HQ	Oseco		0
1303	91795	Northrup King		0
1304	91804	Northrup King		0
1305	92809	Northrup King		0
1306	2J08	Bison		0
1307	2J90	Bison		0
1308	3J04	Bison		0
1309	4J03	Bison		0
1310	4J14	Bison		0
1311	PS 93-11	Pickseed		0
1312	PS 93-17	Pickseed		0
1313	PS 92-2ML	Pickseed		0
1314	PS 91-1	Pickseed		0
1315	PS 93-15	Pickseed		0
1316	UGG-430	United Grain Growers (UGG)		0
1317	UGG-450	UGG		0
1318	CW-1312	Nemec		0
1319	CW-1404	Nemec		0
1320	CW-1434	Nemec		0
1321	90-124	King Agro		0
1322	91-12	King Agro		0
1323	ABI 9145	Hyland		0
1324	LSC907	Seed Link		0
1325	LSC9101	Seed Link		0
1326	A 8910	UCO		0
1327	A 9108	UCO		0
1328	4J10	UCO		0
1329	AS-K94	UCO		0

Alfalfa registration trial C ,seeded 1990,
harvested 1993, Kapuskasing

MEAN YIELD (KG/HA)			
CULTIVAR	CUT 1	CUT 2	TOTAL
1213 LSC9010	2715	2232	4947
1191 YAE92	2749	2021	4770
1220 86-124	2658	1830	4488
1074 ARROW	2484	2218	4702
1212 TRIDENT II	2599	1912	4511
1197 VS 800	2525	1911	4436
9002 120	2597	1833	4430
1225 WEBFOOT	2632	1753	4385
1196 90ML4-NK	2418	1951	4369
1216 86-15	2441	1926	4367
1214 LSC 9011	2422	1899	4321
1193 87777	2362	1951	4313
1222 8638C	2620	1678	4298
1001 SARANAC	2131	2162	4293
1211 90-2	2424	1860	4284
1226 P1859	2474	1790	4264
1217 8737N	2464	1798	4262
1203 DS 9013	2543	1629	4172
1206 MBS-2821	2414	1689	4103
1201 WL88-6	2431	1661	4092
1210 90-1	2496	1446	3942
HARV MEANS	2512	1863	4374
C.V. %	10.3	13.2	9.5
L.S.D. (5%)	427	405	683

Alfalfa registration trial A, seeded 1991,
harvested 1993, Elora

PERSISTENCE DATA ONLY

CULTIVAR	MEAN YIELD (kg/ha)	
	CUT 1	% of checks
1001 SARANAC	3740	106
1074 ARROW	3543	101
1228 PS90-3	3840	109
1230 PS90-5	3732	106
1231 AP9031	3238	92
1232 GUARDSMAN	3689	105
1237 DK-133	3708	105
1238 ACHIEVA	3813	108
1244 GH777	3692	105
1245 UN72	3711	106
1246 UN74	3725	106
1248 87-135	3650	104
1249 90791	3909	111
1251 NK91-1	3535	101
1252 NK91-2	3797	108
1256 GARST 645	4033	115
1258 5252	3454	98
1262 AS-D	3271	93
9002 _120	3491	99
Harv means	3662	
CV %	9.7	
LSD (5%)	424.5	

Alfalfa registration trial B, seeded 1991,
harvested 1993, Ridgetown

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	5323	3853	3967	13144
1074 ARROW	5477	4408	4448	14333
1229 PS90-4	4549	3701	3974	12225
1234 AP9016	5756	4651	4538	14945
1235 ABI9015	5385	4641	4489	14516
1236 A9004	5449	4059	4162	13670
1239 BOLT ML	5539	4178	4050	13767
1240 VS-932	5105	4073	4190	13367
1241 VS-943	5151	3943	4113	13207
1242 86-136	5595	4626	4498	14719
1247 GH755	5682	4491	4359	14532
1250 VIKING 1	5404	4540	4390	14334
1253 89-31	5639	4053	4076	13768
1254 89-30	5062	4424	4292	13778
1257 dropped	4837	3483	3382	11702
1259 YAL07	5025	4083	4033	13142
1263 AS-G	5366	4444	4172	13982
1265 DS 9117	5717	4746	4378	14841
1266 DS 9118	5519	4186	3957	13662
9002 _120	5335	4203	4286	13825
Harv means	5346	4239	4188	13773
CV %	9.6	5.2	5.5	5.5
LSD (5%)	609.4	260.9	276.2	898.8

Alfalfa registration trial B, seeded 1991,
harvested 1993, Elora

PERSISTENCE DATA ONLY

CULTIVAR	MEAN YIELD (kg/ha)	
	CUT 1	% of checks
1001 SARANAC	3583	98
1074 ARROW	3698	102
1229 PS90-4	3020	83
1234 AP9016	3471	95
1235 ABI9015	3694	101
1236 A9004	3424	94
1239 BOLT ML	3402	93
1240 VS-932	3122	86
1241 VS-943	3519	97
1242 86-136	3556	98
1247 GH755	3568	98
1250 VIKING 1	3554	98
1253 WL-323	3719	102
1254 89-30	3578	98
1257 dropped	3929	108
1259 YAL07	3788	104
1263 AS-G	3267	90
1265 DS 9117	3927	108
1266 DS 9118	3547	97
9002 _120	3588	98
Harv means	3548	
CV %	7.9	
LSD (5%)	331.9	

Alfalfa registration trial B ,seeded 1991,
harvested 1993, Kapuskasing

MEAN YIELD (KG/HA)			
CULTIVAR	CUT 1	CUT 2	TOTAL
9002 120	2308	1986	4295
1242 86-136	1871	1468	3340
1247 GH755	1567	1690	3257
1254 89-30	1526	1134	2660
1253 WL-323	1850	1272	3122
1250 VIKING 1	1695	1487	3182
1236 A9004	1842	1124	2966
1235 ABI9015	1433	1684	3117
1234 AP9016	1865	1153	3018
1074 ARROW	2529	1445	3973
1263 AS-G	2416	1162	3577
1229 PS90-4	1584	1398	2982
1001 SARANAC	2163	2126	4289
1265 DS9117	2177	1149	3326
1266 DS9118	1664	1044	2708
1239 BOLT ML	1331	1164	2495
1240 VS-932	1587	1180	2767
1241 VS-943	2378	1511	3889
1259 YAL07	1987	1260	3248
1257 DROPPED	455	1022	1478
HARV MEANS	1811	1373	3184
C.V. %	14.2	16.6	11.3
L.S.D. (5%)	429	378	598

Alfalfa registration trial C, seeded 1991,
harvested 1993, Ridgetown

		Mean Yield (kg/ha)			
Cultivar		Cut 1	Cut 2	Cut 3	Total
1001	SARANAC	5002	4894	3959	13855
1074	ARROW	5258	5281	4490	15029
1189	5333	5440	4720	4626	14786
1192	86-20	5528	4838	4429	14795
1194	FLAGSHIP 75	5117	3962	3721	12800
1197	JEWEL	5663	4393	4294	14350
1198	ALFALEAF	5796	4707	4541	15045
1206	CRYSTAL	5855	5125	4580	15561
1207	MBS-6041	5321	4444	4567	14333
1208	ECLIPSE	5457	4521	3930	13908
1211	CLASS	6004	4486	4478	14969
1214	DS 9011	6021	4698	4553	15272
1219	WL86-14	5501	4356	4329	14186
1220	86-124	6265	4528	4532	15325
1226	P1859	5417	4767	4555	14739
9002	120	5853	4792	4385	15030
Harv means		5584	4670	4366	14619
CV %		8.7	7.9	5.6	3.9
LSD (5%)		692.5	527.1	352.7	811.5

Alfalfa registration trial C, seeded 1991,
harvested 1993, Elora

PERSISTENCE DATA ONLY

		MEAN YIELD (kg/ha)	
CULTIVAR		CUT 1	% of checks
1001	SARANAC	4369	103
1074	ARROW	4127	97
1189	5333	3920	92
1192	86-20	4041	95
1194	FLAGSHIP 75	4397	103
1197	JEWEL	4049	95
1198	ALFALEAF	4051	95
1199	ZENITH	4124	97
1205	A8925	4451	105
1206	CRYSTAL	4059	95
1207	MBS-6041	4044	95
1208	ECLIPSE	4389	103
1211	CLASS	4557	107
1214	DS 9011	3946	93
1215	8623B	4575	108
1218	AP8842	4385	103
1219	WL86-14	3917	92
1220	86-124	4287	101
1221	85-5	4190	98
1222	8638C	4620	109
1223	8713A	4327	102
1226	P1859	3840	90
9002	_120	4381	103
Harv means		4219	
CV %		13.1	
LSD (5%)		652.9	

Alfalfa registration trial D, seeded 1991,
harvested 1993, Ridgetown

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	5263	4136	3655	13053
1074 ARROW	5583	4334	4139	14056
1131 CROWN II	6042	4203	4151	14396
1163 PICK..892OMF	6783	4567	4388	15738
1191 5246	6193	4595	4160	14949
1193 87777	5016	3854	3608	12477
1195 LEGEND 2	6276	4601	4264	15141
1196 ENCORE	5946	4327	4047	14321
1200 AF 31	5929	4386	4246	14560
1201 WL 322 HQ	5191	4164	3899	13255
1202 DS 9012	5460	4512	4184	14157
1203 DS 9013	5690	4558	4426	14674
1209 AP8832	5585	4259	4351	14195
1210 90-1	6392	4522	4147	15061
1212 TRIDENT II	6106	4450	4270	14826
1213 DS 9010	5519	4526	4167	14212
1216 86-15	6022	4357	4323	14701
1217 CUMBO	5783	4285	3974	14042
1224 DROPPED	6774	4425	4319	15518
1227 B2186	5556	4290	4275	14121
1255 GG92/PHS9	4860	3858	3186	11905
9002 _120	5842	4265	3965	14072
Harv means	5810	4340	4097	14247
CV %	8.2	5.7	6.0	5.6
LSD (5%)	561.5	293.9	292.2	944.3

Alfalfa registration trial D, seeded 1991,
harvested 1993, Elora

PERSISTENCE DATA ONLY

		MEAN YIELD (kg/ha)	
CULTIVAR	CUT 1	% of checks	
1001	SARANAC	3822	103
1074	ARROW	3828	103
1131	CROWN II	3604	97
1163	PICK..8920MF	4258	115
1191	5246	3969	107
1193	87777	3546	96
1195	LEGEND 2	3924	106
1196	ENCORE	3573	96
1200	AF 31	3929	106
1201	WL 322 HQ	3516	95
1202	DS 9012	3779	102
1203	DS 9013	3994	108
1209	AP8832	3681	99
1210	90-1	4006	108
1212	TRIDENT II	4034	109
1213	DS 9010	3416	92
1216	86-15	3927	106
1217	COLUMBO	3446	93
1224	dropped	3578	97
1227	B2186	3843	104
1255	GG92/PHS9	3182	86
9002	_120	3586	97
Harv means		3747	
CV %		8.2	
LSD (5%)		361.8	

Alfalfa registration trial D, seeded 1991,
harvested 1993, New Liskeard

Cultivar	MEAN YIELD (kg/ha)		
	Cut 1	Cut 2	Total
1210 90-1	7928	4454	12382
1212 TRIDENT II	7533	4324	11857
1202 DS 9012	7123	4153	11275
1131 CROWN II	6866	4402	11268
1216 86-15	7392	3794	11186
1227 B2186	6969	4090	11059
1209 AP 8832	6815	4168	10983
1191 5246	7354	3622	10975
1217 COLUMBO	7389	3518	10907
1224 dropped	7178	3658	10836
1213 DS 9010	7123	3653	10776
1195 90 ML3-NK	6494	4199	10693
9002 120	6404	4231	10634
1001 SARANAC	6789	3809	10598
1200 AF 31	6507	4043	10550
1193 87777	6263	4262	10525
1255 GG92/PH59	6147	4215	10362
1201 WL 322HQ	5518	4434	9952
1203 DS9013	5711	4059	9770
1074 ARROW	5364	4371	9735
1163 PS 8920	6070	3434	9505
1196 90 ML4-NK	5634	3684	9318
AVERAGE	6662	4026	10688
LSD (.05)	668	345	698
C.V.	15.6 %	13.4 %	10.2 %

Alfalfa registration trial A, seeded 1992,
harvested 1993, Ridgetown.

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4978	3831	3062	11871
1074 ARROW	4974	3519	3539	12032
1252 NK91-2	4935	3930	3520	12385
1255 GG92/PHS9	4187	3409	3149	10745
1269 90-135	5349	4209	3841	13399
1273 A9102	5203	3880	3375	12458
1274 VS 9012	5163	3732	3270	12164
1278 91211	5184	3677	2878	11739
1279 91315	5401	4212	3714	13327
1280 91800	5039	4056	3224	12319
1284 ABI 9138C	5076	4247	3471	12794
1285 2J01	5631	3898	3026	12555
1288 C-3110	5507	3913	3490	12910
1290 SL 9207	5293	3169	3617	12079
1291 92-20	4950	3833	3315	12098
1294 ABI 9129C	4867	4073	3503	12444
1297 5454	5294	3370	3456	12120
9002 _120	4912	3287	2953	11152
Harv means	5108	3791	3356	12255
CV %	5.6	17.2	22.0	9.0
LSD (5%)	339.5	778.6	880.3	1314.2

Alfalfa registration trial A, seeded 1992,
harvested 1993, Ottawa

Mean yield (kg/ha)					
Cultivar	Cut1	Cut2	Cut3	Total	
1074 ARROW	4777	2268	1791	8836	
9002 120	4472	2210	1721	8403	
1001 SARANAC	4689	2438	2003	9130	
1252 NK91-2	5281	2628	2186	10096	
1255 GG92/PHS9	5278	2458	1582	9319	
1269 ATTAINER	4809	2376	2005	9191	
1273 A9102	5357	2676	2077	10110	
1274 VS 9012	5532	2567	1915	10014	
1278 91211	4788	2540	1883	9211	
1279 91315	4860	2502	1904	9266	
1280 91800	4708	2479	1980	9167	
1284 ABI 9138C	4715	2527	1976	9219	
1285 2J01	5148	2378	1855	9381	
1288 C-3110	4037	2333	2023	8393	
1290 SL 9207	4648	2633	1987	9267	
1291 92-20	4641	2486	1996	9123	
1294 ABI 9129C	4458	2750	2077	9285	
1297 5454	4515	2559	2014	9088	
Mean	4817	2489	1943	9250	
CV (%)	9.3	7.8	13.4	6.4	

Alfalfa registration trial A, seeded 1992,
harvested 1993, New Liskeard

MEAN YIELD (kg/ha)			
Cultivar	Cut 1	Cut 2	Total
1288 C-3110	6875	4707	11582
1269 90-135	6930	4494	11424
1290 SL 9207	6600	4633	11233
1279 91315	6692	4526	11218
1285 2J01	6527	4452	10979
1274 VS 9012	6719	4250	10969
1112 APOLLO SUPR	6848	4048	10896
1297 XAL 06	6417	4399	10815
1280 91800	6032	4718	10749
1001 SARANAC	6307	4398	10704
1291 92-20	6206	4484	10690
1294 ABI 9129C	6316	4335	10651
1252 NK 91-2	6188	4293	10480
1284 ABI 9138C	6178	4261	10439
1278 91211	6371	4048	10419
1126 DK-122	6738	3591	10329
9002 120	6224	3953	10177
1273 A 9102	5977	3793	9770
1074 ARROW	5748	3995	9743
1255 GG92/PHS9	5042	3719	8760
Mean	6347	4255	10601
LSD (.05)	419	365	623
C.V.	9.8 %	12.6 %	8.7 %

Alfalfa registration trial B, seeded 1992,
harvested 1993, Ridgetown

		Mean Yield (kg/ha)			
Cultivar		Cut 1	Cut 2	Cut 3	Total
1001	SARANAC	4573	3911	2642	11126
1074	ARROW	5425	4369	3112	12905
1270	ABI 9139	5191	4337	2966	12494
1271	A8911	5156	4130	2841	12127
1272	A9008	5391	4428	3339	13158
1275	VS 9034	5028	4604	2890	12522
1276	VS 9036	5121	4259	3011	12392
1277	VS 9050	5438	4216	3037	12691
1281	NY8814	5695	3803	2629	12127
1282	NY8830	5173	3983	2739	11894
1283	DOMINATOR	4813	3970	2839	11622
1286	2J02	5452	4379	2787	12618
1287	4J19	5282	4572	2739	12594
1289	SL 9206	5001	3936	2625	11563
1292	ALFAGRAZE	4872	3960	2924	11756
1293	CIMARRON VR	4314	3855	2629	10799
1206	CRYSTAL	5717	4393	3773	13882
1296	EXP9047	5542	4129	2930	12601
1298	XAE 11	5198	4309	2861	12368
9002	_120	4493	4180	2587	11260
Harv means		5144	4186	2895	12225
CV %		9.5	8.7	15.8	8.8
LSD (5%)		673.5	504.9	633.3	1487.1

Alfalfa registration trial B, seeded 1992,
harvested 1993, Ottawa

		Mean yield (kg/ha)			
Cultivar		Cut1	Cut2	Cut3	Total
1074	ARROW	4581	2511	1990	9082
9002	120	5339	2219	1563	9120
1001	SARANAC	4607	2655	1857	9119
1270	ABI 9139	3956	2596	2068	8621
1271	A8911	5857	2479	1888	10224
1272	A9008	4621	2457	1870	8948
1275	VS 9034	5441	2428	2095	9964
1276	GH787	5394	2523	1906	9823
1277	VS 9050	5615	2164	1699	9479
1281	NY8814	4514	2420	1780	8714
1282	NY8830	4514	2647	2122	9282
1283	DOMINATOR	4427	2684	1978	9088
1286	2J02	4682	2355	1969	9005
1287	4J19	4522	2766	2019	9307
1289	SL 9206	4883	2486	2059	9428
1292	ALFAGRAZE	4581	2231	1483	8295
1293	CIMARRON VR	5521	2304	1888	9713
1206	CRYSTAL	5494	2552	2041	10087
1296	EXP9047	5931	2450	1825	10206
1298	XAE 11	4252	2486	2113	8851
Mean		4937	2471	1911	9318
CV (%)		8.2	11.2	12.8	6.5

Alfalfa registration trial B, seeded 1992,
harvested 1993, Thunder Bay

Mean Yield (kg/ha)				
Cultivar	Cut 1	Cut 2	Total	
1001 SARANAC	4443	2943	7387	
1074 ARROW	3918	3062	6981	
1096 HORIZON	4070	3082	7152	
1103 STARMASTER	4247	3385	7633	
1270 ABI 9139	4155	2867	7022	
1271 A8911	4327	3385	7712	
1272 A9008	3686	3179	6865	
1275 VS 9034	4012	3307	7319	
1276 VS 9036	4247	2995	7243	
1277 VS 9050	4143	3082	7225	
1281 NY8814	4197	3355	7551	
1282 NY8830	4112	3121	7233	
1283 DOMINATOR	4141	3062	7203	
1286 2J02	3711	2789	6501	
1287 4J19	4658	3082	7740	
1289 SL 9206	4246	3394	7640	
1292 ALFAGRAZE	3557	3004	6561	
1293 CIMARRON VR	3699	3047	6746	
1206 CRYSTAL	3935	3411	7346	
1296 EXP9047	4360	3511	7871	
1298 XAE 11	4057	3374	7431	
9002 _120	4487	3437	7925	
Harv means	4109	3176	7286	
CV %	9.6	10.1	7.8	
LSD (5%)	467.5	380.7	668.5	

Alfalfa registration trial B ,seeded 1992,
harvested 1993, Kapuskasing

MEAN YIELD (KG/HA)			
CULTIVAR	CUT 1	CUT 2	TOTAL
1286 2J02	2580	3224	5804
1287 DIVIDEND 4J19	2652	2954	5606
1281 NY8814	2670	2917	5587
1282 NY8830	2671	2902	5573
1277 VS 9050	2563	2857	5420
1298 XAE 11	2670	2716	5386
1270 ABI 9139	2557	2784	5341
1001 SARANAC	2443	2729	5172
1275 VS 9034	2188	2862	5050
1276 VS 9036	2341	2699	5040
1138 LEGEND	2256	2760	5016
1074 ARROW	2270	2728	4998
1272 A9008	2042	2882	4924
1289 SL 9206	2198	2718	4916
1283 DOMINATOR	2039	2730	4769
1292 ALFAGRAZE	2271	2650	4921
1100 WAMPR	2228	2704	4932
9002 120	2236	2758	4994
1293 CIMARRON VR	2031	2883	4913
1296 EXP9047	2364	3025	5389
1206 CRYSTAL	2169	2884	5053
1271 A8911	2010	3078	5088
HARV MEANS	2339	2838	5177
C.V.%	12.1	7.1	7.4
L.S.D. (5%)	400	287	541

Alfalfa registration trial B, seeded 1992,
harvested 1993, New Liskeard

Cultivar	MEAN YIELD (kg/ha)		
	Cut 1	Cut 2	Total
1286 2J02	6199	5525	11724
1298 YAE 11	6274	5185	11459
1282 NY 8830	6332	5047	11379
1287 4J19	6241	5058	11298
1296 EXP 9047	6349	4856	11205
1283 DOMINATOR	6023	5047	11070
1276 VS 9036	6249	4803	11051
1281 NY 8814	6174	4654	10827
1271 A 8911	6299	4516	10815
1293 CIMARRON VR	5773	4994	10766
1206 CRYSTAL	5840	4898	10738
1277 VS 9050	6274	4420	10694
1001 SARANAC	6048	4611	10660
1270 ABI 9139	5773	4824	10596
1289 SL 9206	6040	4537	10577
1292 ALFAGRAZE	6291	4282	10573
1138 LEGEND	6324	4229	10553
1272 A 9008	5656	4728	10384
1275 VS 9034	5931	4378	10309
1128 G-2833	5815	4324	10139
1074 ARROW	5581	4239	9819
9002 120	6007	3772	9779
Mean	6068	4678	10746
LSD(.05)	307	445	654
C.V.	7.9	14.8 %	9.5 %

Alfalfa registration trial C, seeded 1992,
harvested 1993, Ottawa

Mean yield (kg/ha)				
Cultivar	Cut1	Cut2	Cut3	Total
1074 ARROW	5078	2698	2131	9907
9002 120	5212	2479	1888	9579
1001 SARANAC	4568	2662	2050	9280
1228 PS90-3	5165	2399	1960	9524
1229 PS90-4	4830	2472	2194	9495
1232 GUARDSMAN	5266	2581	1978	9826
1235 ABI9015	4924	2347	1798	9069
1236 A9004	5561	2465	2005	10031
1237 DK-133	5777	2457	1996	10230
1239 BOLT ML	5582	2618	1879	10080
1244 GH777	5380	2728	2140	10248
1245 UN72	5743	2603	2068	10414
1246 UN74	4890	2589	1897	9375
1249 90791	5347	2742	1978	10067
1250 VIKING 1	4750	2509	1906	9165
1254 89-30	5548	2596	1915	10059
1262 AS-D	4635	2530	1978	9143
1263 AS-G	4809	2581	1942	9333
1266 DS 9118	4870	2575	2149	9595
Mean	5154	2560	1992	9706
CV (%)	10.7	7.9	11.8	6.3

Alfalfa registration trial C, seeded 1992,
harvested 1993, Thunder Bay

Mean Yield (kg/ha)				
Cultivar	Cut 1	Cut 2	Total	
1001 SARANAC	3634	2417	6052	
1074 ARROW	3389	2809	6198	
1100 WAMPR	3466	2276	5742	
1114 5364	3416	2626	6042	
1228 PS90-3	3707	2644	6351	
1229 PS90-4	3393	2609	6002	
1232 GUARDSMAN	3171	2539	5710	
1235 ABI9015	3476	2693	6169	
1236 A9004	3640	2609	6249	
1237 DK-133	3452	2870	6322	
1239 BOLT ML	3282	2626	5909	
1244 GH777	3588	2852	6441	
1245 UN72	3484	2870	6353	
1246 UN74	3194	2452	5646	
1249 90791	3117	2574	5691	
1250 VIKING 1	3222	2786	6008	
1254 89-30	3341	2369	5710	
1262 AS-D	2240	2591	4832	
1263 AS-G	2733	2644	5376	
1266 DS 9118	3010	2452	5462	
9002 _120	3874	2904	6778	
Harv means	3325	2629	5954	
CV %	10.9	7.9	7.1	
LSD (5%)	426.7	245.8	500.8	

Alfalfa registration trial C ,seeded 1992,
harvested 1993, Kapuskasing

MEAN YIELD (KG/HA)			
CULTIVAR	CUT 1	CUT 2	TOTAL
1001 SARANAC	2937	2793	5730
1117 5262	2804	2728	5532
1237 VS904	2707	2782	5489
1246 UN74	2595	2800	5395
1074 ARROW	2683	2653	5336
1250 90792	2722	2563	5285
1263 AS-G	2566	2622	5188
1254 89-30	2468	2655	5123
1239 VS920	2404	2706	5110
1232 GUARDSMAN	2549	2498	5047
1244 GH777	2430	2593	5023
1228 PS90-3	2455	2510	4965
1249 90791	2364	2571	4935
9002 120	2573	2351	4924
1266 DS 9118	2242	2630	4872
1245 UN72	2450	2753	5203
1236 A9004	2412	2501	4913
1229 PS90-4	2491	2557	5047
1235 ABI9015	2058	2269	4327
1262 AS-D	1787	2163	3950
HARV MEANS	2485	2585	5070
C.V. %	12.3	9.1	8.9
L.S.D. (5%)	433	332	640

Alfalfa registration trial C, seeded 1992,
harvested 1993, New Liskeard

Cultivar	MEAN YIELD (kg/ha)		
	Cut 1	Cut 2	Total
1232 GUARDSMAN	6332	4744	11075
1236 A 9004	5717	5065	10782
1245 UN 72	5863	4877	10739
1237 VS 904 DK-133	5672	4888	10560
1239 VS 920 BOLT ML	5818	4600	10417
1228 PS 90-3	6142	4223	10364
1249 90791	6220	4134	10354
1103 STARMASTER	6097	4212	10309
1117 5262	5829	4444	10273
1001 SARANAC	6220	4023	10243
1244 GH 777	5784	4367	10151
1074 ARROW	6164	3890	10054
1246 UN 74	5751	4278	10029
1250 90792 VIKING 1	6008	3901	9909
1263 AS-G	5673	4190	9862
1229 PS 90-4	5717	4123	9840
1235 ABI 9015	5427	4289	9716
9002 120	5796	3846	9641
1266 DS 9118	5628	3957	9585
1254 89-30	5315	4023	9339
1262 AS-D	4009	3669	7677
AVERAGE	5771	4273	10044
LSD (.05)	302	357	496
C.V.	7.9 %	12.6 %	7.5 %

Alfalfa registration trial D, seeded 1992,
harvested 1993, Thunder Bay

Mean Yield (kg/ha)				
Cultivar	Cut 1	Cut 2	Total	
1001 SARANAC	3610	2929	6539	
1074 ARROW	3134	2850	5985	
1112 APOLLO SUPRE	3059	2614	5673	
1230 PS90-5	3474	2752	6226	
1231 AP9031	2877	2890	5767	
1233 PS90-6	3441	2713	6153	
1234 AP9016	3136	2831	5967	
1238 ACHIEVA	3011	2673	5684	
1240 VS-932	3155	2772	5927	
1241 VS-943	3214	2811	6025	
1242 86-136	3262	2988	6250	
1247 GH755	3436	2772	6208	
1248 87-135	3407	2948	6356	
1251 NK91-1	3004	2536	5540	
1253 89-31	3243	2752	5994	
1256 GARST 645	3409	2772	6181	
1258 5252	2842	2772	5614	
1259 YAL07	2791	2654	5445	
1265 DS 9117	2914	2634	5548	
9002 _120	3233	2850	6083	
Harv means	3183	2776	5958	
CV %	12.7	9.8	10.2	
LSD (5%)	481.2	322.4	720.6	

Alfalfa registration trial D ,seeded 1992,
harvested 1993, Kapuskasing

MEAN YIELD (KG/HA)			
CULTIVAR	CUT 1	CUT 2	TOTAL
1001 SARANAC	2446	3328	5774
1234 AP9016	2357	3377	5734
1256 GARST 645	2245	3365	5610
1265 DS 9117	2281	3221	5502
1233 PS90-6	2168	3279	5447
9063 CHAMPION	2273	3132	5405
1242 86-136	2120	3222	5342
1230 PS90-5	1908	3407	5315
1074 ARROW	2056	3180	5236
1251 NK91-1	2071	3113	5184
1248 87-135	1982	3188	5170
9002 120	1970	3069	5039
1240 VS932	1802	3219	5021
1259 YAL07	2040	2960	5000
1258 5252	2052	2858	4910
1253 89-31	1906	2936	4842
1231 AP9031	1801	2957	4758
1241 VS943	1666	3059	4725
1247 89-126	1674	2902	4576
1238 VS907	1578	2729	4307
HARV MEANS	2020	3125	5145
C.V.%	11.0	7.4	5.6
L.S.D. (5%)	367	380	479

Alfalfa registration trial D, seeded 1992,
harvested 1993, New Liskeard

		MEAN YIELD (kg/ha)		
Cultivar		Cut 1	Cut 2	Total
1253	89-31	7492	4411	11903
1241	VS 943	6725	4655	11380
1001	SARANAC	6990	4323	11312
1258	5252	6625	4433	11058
1240	VS 932	6625	4289	10914
1251	NK 91-1	6871	4012	10883
1256	GARST 645	6917	3912	10829
1248	87-135	6561	3990	10551
1265	DS 9117	7108	3414	10522
1233	PS 90-6	6762	3757	10519
1114	5364	6853	3635	10488
1234	AP 9016	6935	3502	10437
1230	PS 90-5	6826	3558	10383
1247	89-126 GH755	6442	3912	10355
1231	AP 9031	6716	3624	10340
1238	VS 907 ACHIEVA	6205	4134	10339
1074	ARROW	6534	3480	10014
9002	120	6461	3281	9741
1259	YAL 07	6105	3591	9696
1242	86-136	5877	3491	9368
AVERAGE		6681	3870	10552
LSD (.05)		422	389	660
C.V.		9.3 %	14.8 %	9.2 %

Alfalfa registration trial E, seeded 1991,
harvested 1993, Elora

Note: Data from third and fourth production years from this trial will be used for OFCC variety considerations.

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 SARANAC	7088	4922	12010
1074 ARROW	7288	4540	11828
1233 PS90-6	7744	5082	12826
1243 WEBFOOT-MPR	7112	4459	11571
1260 5151	7519	4434	11953
1261 83CFO42	6959	4437	11395
1264 90788	7445	4211	11656
1267 BEAVER	6953	4571	11524
1268 SPREDOR II	7640	4008	11647
9002 _120	8540	5191	13730
9004 IROQUOIS	8093	4902	12995
9006 OAC MINTO	7653	4911	12564
Harv means	7503	4639	12142
CV %	10.6	8.5	6.6
LSD (5%)	954.8	474.0	963.6

Alfalfa registration trial E ,seeded 1991,
harvested 1993, Kapuskasing

Note: Data from third and fourth production years from this trial will be used
for OFCC variety considerations.

MEAN YIELD (KG/HA)

CULTIVAR	CUT 1
1243 WEBFOOT-MPR	2494
1260 5151	3357
1233 PS90-6	2815
1001 SARANAC	2714
1074 ARROW	2424
1268 SPREDOR II	3562
9006 OAC MINTO	2361
1261 83CFO42	2174
9004 IROQUOIS	2795
9002 120	2322
1267 BEAVER	2107
1264 90788	2359
HARV MEANS	2624
C.V. %	13.2
L.S.D. (5%)	584

Alfalfa registration trial E, seeded 1992,
harvested 1993, Elora

Note: Data from third and fourth production years from this trial will be used for OFCC variety considerations.

Mean Yield (kg/ha)				
Cultivar		Cut 1	Cut 2	Total
1001	SARANAC	6931	4420	11350
1074	ARROW	6996	4925	11921
1233	PS90-6	6317	4102	10419
1243	WEBFOOT-MPR	7399	4461	11860
1260	5151	5349	3493	8842
1261	83CFO42	5831	3863	9694
1264	90788	6355	3986	10342
1267	BEAVER	5330	3365	8694
1268	SPREDOR II	5480	3333	8813
9002	_120	6564	4843	11407
9004	IROQUOIS	6484	4177	10661
9006	OAC MINTO	6145	3839	9984
Harv means		6265	4067	10332
CV %		13.9	10.5	11.5
LSD (5%)		1041.9	513.1	1421.8

Alfalfa registration trial E ,seeded 1992,
harvested 1993, Kapuskasing

Note: Data from third and fourth production years from this trial will be used
for OFCC variety considerations.

MEAN YIELD (KG/HA)	
CULTIVAR	CUT 1
1264 90788	5605
9006 OAC MINTO	5456
1243 WEBFOOT-MPR	5395
9002 120	5307
1268 SPREDOR II	5294
9004 IROQUOIS	5185
1233 PS90-6	5138
1260 5151	5069
1261 83CFO42	4895
1267 BEAVER	4850
1001 SARANAC	4766
1074 ARROW	4653
HARV MEANS	5134
C.V. %	8.7
L.S.D. (5%)	641

Pioneer alfalfa variety trial, seeded 1990,
harvested 1993, Chatham

MEAN YIELD (Kg/ha)

	CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
18	XAL06 (5454)	5454	4200	3203	12858
1114	5364	4861	4133	3170	12152
15	88W4CF2	5634	4066	3013	12712
1	88I6PR1	4850	3886	2934	11670
3	YAL12 (88N2CV2)	5275	4222	3394	12891
5	89I1CR2	5936	4200	3304	13451
23	89P6PR1	5006	4178	3203	12387
14	89W6PV1 (XAE11)	5410	3875	3147	12432
12	89P2CV2	5690	4278	3058	13026
7	88M2CR2	5365	3830	3035	12197
20	88N6PR1	4872	3629	3170	11659
6	89P5PF1	4738	4234	3405	12499
2	89I2CR2	5454	3976	3248	12690
1113	5331	4670	3528	2912	11110
8	88N1CF2	5152	3853	3114	12107
1258	5252 (XAM93)	4760	3752	2934	11446
16	89P1CF2	5320	4491	3360	13171
1117	5262	5062	3920	3304	12286
1177	5373 (XAM73)	4357	3550	3192	11110
11	ZAM010	4872	3830	3181	11883
1190	YAM91 (87CR312)	5174	3875	3203	12253
26	89N1CF2	4838	3965	3147	11950
33	88N5PV1	4659	3517	2654	10830
1189	5333 (XAM84)	4805	3752	3035	11592
4	89I3CR2	5533	4211	3046	12835
9002	DK120	5051	3685	2912	11648
1088	5432	5230	4088	3091	12410
1191	XAE92 (5246)	4950	3786	2979	11715
31	89W5PV1	4514	3595	2789	10898
30	89N4CV2	4738	3976	3136	11850
21	5472 (XAL72)	5846	4715	3248	13810
13	88I3CR2	4648	3651	2822	11122
10	89I4CF2	5466	3909	3282	12656
19	88I5CR2	5152	4122	2800	12230
1074	ARROW	4065	3640	3069	10774
29	89W1CF2	5790	4357	3427	13586
9	89W2CV2	5398	4133	3382	12914
32	89N3CV2	5130	4144	2733	12006
1180	86PR221	4760	3786	2733	11290
9055	5311	5186	3898	3035	12118
17	88N3CR2	4514	3786	2901	11189
24	88N6PR1	4771	3842	2800	11413
28	89I5SV1	4962	3987	3102	12051
34	88M1CF2	5006	3595	3091	11704

1039	EXCALIBUR	4043	3461	2598	10102
27	89N2CR2	3528	2901	2419	8848
9012	VERNAL	4715	3562	2789	11066
1001	SARANAC	4379	3550	2341	10270

HARVEST MEANS	4995	3898	3035	11939
CV %	10.3	9.0	9.3	6.7
LSD (5%)	729	498	398	1137

Northrup King alfalfa trial, seeded 1990,
harvested 1993, London

MEAN YIELD (Kg/Ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1138 Legend	4244	1802	738	6784
1195 Legend 2	4169	1844	727	6740
9050 Sure	3900	1718	714	6332
9002 DK120	4009	1723	619	6351
1074 Arrow	3660	1728	669	6057
1193 87777	3637	1672	623	5932
1039 Excalibur	3566	1661	650	5877
1156 MultiKing 1	3459	1731	641	5831
1196 Encore	3417	1707	679	5803
1001 Saranac	3370	1719	653	5742
2 0 - 88- 186	3250	1527	516	5293
1194 88778	3017	1490	535	5042
Harv Mean	3641	1693	647	5982
LSD (5%)	325.4	170.2	103.9	505.2
CV%	7.0	7.9	12.6	6.6

Pioneer alfalfa variety trial, seeded 1991,
harvested 1993, Chatham

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut3	Total
25 90SY1F2	7482	5107	4458	17046
8 90P2CV2	6765	5466	4771	17013
20 89I1CR2	7168	5174	4659	16990
4 90I3CF2	7000	5253	4614	16867
1297 5454	7134	5118	4480	16722
9055 5311	7302	4928	4502	16722
2 90W3PR1	7302	5096	4323	16710
3 90W1CF2	6810	5432	4469	16699
12 90I4CV2	6653	5253	4435	16341
10 89I4CF2	6877	4771	4570	16218
6 90SY6V2	6843	4950	4256	16038
16 90I5CR2	6317	5107	4570	15994
40 90SY4F2	6978	4626	4357	15949
7 90N3CR2	6272	5096	4502	15870
24 YAL03	6854	4827	4166	15859
1 90P4CR2	6877	4782	4189	15837
9002 DK120	7078	4648	4099	15814
1298 XAE11	6821	4726	4234	15781
36 89P1CF2	6630	4771	4144	15534
1177 5373	6474	4715	4301	15467
15 90W2CR2	6698	4872	3886	15456
30 ZAM010	6698	4794	3909	15400
21 90P1CF2	6283	4816	4290	15389
13 90N5PR1	5779	5140	4435	15355
1117 5262	7179	4458	3718	15355
9 90N4SR1	6541	4682	4122	15355
1176 5472	6586	4794	3931	15299
26 90SY3V2	6294	4928	4077	15299
31 90N2CV2	6194	4782	4245	15221
1138 LEGEND	6115	4626	4290	15042
14 90W7SR1	6440	4446	4088	14986
11 90SY2V2	6238	4782	3942	14952
7 90P3CR2	6854	4346	3752	14952
23 90W4PV1	6026	4682	4211	14918
22 90W6PR1	5958	4760	4189	14907
43 YAM24	6294	4682	3909	14885
5 89P5PF1	6272	4659	3920	14851
1258 5252	6238	4514	4088	14851
17 89N4CV2	5533	4670	4626	14818
35 89I5SV1	6093	4670	4010	14773
1074 ARROW	5958	4558	4166	14672
9009 526	6474	4222	3931	14627
29 90I1CR2	6026	4648	4357	14482
27 89W5PV1	6003	4390	3987	14392
1259 YAL07	5880	4514	3976	14358

1114	5364	6395	4334	3629	14358
32	90P6SR1	6182	4413	3718	14314
28	90P5SR1	6608	4122	3472	14202
41	90P7CV2	5690	4558	3909	14157
37	89N6PR1	5667	4424	4043	14134
44	90I6SR2	5891	4357	3875	14123
42	90N1CV2	5555	4446	4043	14045
18	89P6PR1	6462	4200	3371	14034
34	90I2CR2	6026	4155	3741	13910
1189	5333	6082	3976	3842	13899
1088	5432	5656	4334	3886	13888
19	90W5PV1	5634	4446	3595	13675
1001	SARANAC	5253	4446	3875	13574
1191	5246	6238	3998	3203	13440
9012	VERNAL	5611	3550	3427	12578

MEANS	6384	4670	4099	15142
CV %	9.3	12.0	14.8	8.1
LSD (0.05)	842	793	858	1743

Pioneer alfalfa variety trial, seeded 1991,
harvested 1993, Tavistock

MEAN YIELD (Kg/ha)				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
2 90W3PR1	8187	5051	3494	16733
29 90I1CR2	8411	4939	3293	16643
18 89P6PR1	8322	5029	3282	16632
17 89N4CV2	8008	5074	3472	16565
37 89N6PR1	7918	5051	3550	16520
12 90I4CV2	8098	5118	3304	16509
21 90P1CF2	8131	4950	3270	16352
24 YAL03	7974	4894	3438	16307
27 89W5PV1	8389	4850	3058	16285
9002 DK120	8590	4626	3024	16229
26 90SY3V2	8120	4894	3214	16229
10 89I4CF2	7907	4973	3270	16150
1297 5454	8187	4771	3125	16083
1189 5333	8389	4794	2867	16050
1138 LEGEND	8008	4894	3080	15982
25 90SY1F2	7997	4827	3114	15949
3 90W1CF2	8030	4883	2990	15904
31 90N2CV2	7818	4894	3147	15570
20 89I1CR2	8019	4850	2979	15848
11 90SY2V2	8243	4693	2912	15848
1176 5472	8109	4614	3113	15837
4 90I3CF2	8266	4502	2990	15758
1 90P4CR2	7661	4872	3214	15736
9009 526	7918	4603	3181	15691
13 90N5PR1	7560	4738	3293	15602
1298 XAE11	8075	4682	2755	15512
1177 5373	7862	4805	2811	15478
40 90SY4F2	8131	4446	2878	15467
28 90P5SR1	7930	4502	3002	15445
42 90N1CV2	7694	4760	2923	15378
14 90W7SR1	8131	4458	2733	15322
38 90I6SR2	7470	4570	3102	15142
35 89I5SV1	7728	4536	2834	15098
1001 SARANAC	7426	4469	3181	15075
9 90N4SR1	7638	4413	2968	15075
7 90N3CR2	7437	4491	3080	14997
34 90I2CR2	7280	4581	3035	14896
32 90P6SR1	7358	4402	2979	14739
33 YAM24	7750	4312	2507	14650
22 90W6PR1	7146	4267	3147	14560
23 90W4PV1	7470	4334	2654	14459
1117 5262	7437	4312	2554	14314
5 89P5PF1	6832	4446	2957	14235

1191	5246	7213	4166	2822	14190
1088	5432	7258	4379	2542	14179
8	90P2CV2	7078	4234	2856	14168
19	90W5PV1	6933	4379	2621	13944
9055	5311	7078	4077	2576	13720
41	90P7CV2	6810	4178	2654	13642
1259	YAL07	7034	3976	2509	13507
9012	VERNAL	6742	3539	2789	13070
1074	ARROW	6496	4066	2430	12992
HARV MEANS		7818	4682	3069	15568
LSD (5%)		1228	884	773	2652
CV %		11.1	13.4	17.8	12.0

Northrup King Alfalfa trail, seeded 1991,
harvested 1993, London

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1249 90791	4867	1973	738	7578
1250 90792	4801	1929	769	7499
1252 NK91-2	4801	1880	739	7420
1 NKEXP A	4817	1859	736	7412
1138 Legend	4721	1827	767	7315
1156 MultiKing 1	4677	1899	730	7306
1001 Saranac	4709	1865	702	7276
1074 Arrow	4585	1803	676	7064
9002 DK120	4570	1761	638	6969
1251 NK91-1	4236	1702	644	6582
Harv Mean	4679	1849	714	7242
LSD (5%)	288.9	136.4	79.3	331.3
CV%	4.8	5.8	8.7	3.6

Northrup King Alfalfa trial, seeded 1991,
harvested 1993, Punkey-Doodles

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1 NKEXP A	4420	1208	1166	6794
1252 NK91-2	4171	1221	1087	6479
1138 Legend	4017	1255	1153	6425
1249 90791	3518	1193	1210	5921
9002 DK120	3827	1126	1045	5998
1250 90792	3957	1051	954	5962
1156 MultiKing 1	3812	1079	888	5779
1251 NK91-1	3669	1002	910	5581
1001 Saranac	3361	1007	880	5248
1074 Arrow	3179	1069	942	5190
Harv Mean	3793	1121	1023	5937
LSD (5%)	786.7	186.2	215.5	813.6
CV%	12.1	9.7	12.3	8.0

Northrup King alfalfa trial, seeded 1991,
harvested 1993, Wroxeter

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1249 90791	4097	1696	1162	6955
1 NKEXP A	4303	1650	1042	6995
1250 90792	4138	1682	1108	6928
1138 Legend	3954	1623	1042	6619
1252 NK91-2	3720	1553	1066	6339
1156 MultiKing 1	3732	1577	1018	6327
1074 Arrow	3674	1569	1052	6295
1001 Saranac	3657	1521	1011	6189
9002 DK120	3669	1417	1021	6107
1251 NK91-1	3545	1200	991	5736
Harv Mean	3849	1549	1051	6449
LSD (5%)	335.6	139.3	117.0	490.0
CV%	6.8	7.0	8.7	5.9

Northrup King Alfalfa trial E, seeded 1991,
harvested 1993, London

Note: Data from third and fourth production years from this trial will be used for OFCC variety considerations.

MEAN YIELD (Kg/ha)			
Cultivar	Cut 1	Cut 2	Total
9002 DK120	5509	2277	7786
1268 Spredor 2	5522	2169	7691
1001 Saranac	5349	2291	7640
3 NKEXP C	5319	2135	7454
1264 90788	5432	1981	7413
1074 Arrow	5162	2277	7439
1267 Beaver	5054	2212	7266
1 Heinrichs	5025	2165	7190
2 NKEXP B	4723	2234	6957
Harv Mean	5233	2193	7426
LSD (5%)	491.9	143.6	541.6
CV%	7.3	5.1	5.7

Northrup King Alfalfa trial E, seeded 1991,
harvested 1993, Wroxeter

Note: Data from third and fourth production years from this trial will be used
for OFCC variety considerations.

MEAN YIELD (Kg/ha)			
Cultivar	Cut 1	Cut 2	Total
3 EXP C	4039	2838	6877
1074 Arrow	3993	2591	6584
9002 DK120	3906	2659	6565
1264 90788	4155	2252	6407
2 EXP B	3780	2639	6419
1001 Saranac	3797	2501	6298
1268 Spredor 2	3858	2337	6195
1 Heinrichs	3717	2210	5927
1267 Beaver	3550	1953	5503
Harv Mean	3866	2442	6308
LSD (5%)	411.5	245.2	539.9
CV%	8.3	7.8	6.6

Pickseed Alfalfa trial, seeded 1992,
harvested 1993, Blenheim

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	5944	3956	2990	12890
1074 ARROW	5976	3751	3289	13017
9002 120	6244	3518	2970	12733
1 A1	5907	4305	3537	13750
2 A2	6341	4272	3379	13992
3 A3	6310	4167	3800	14278
4 A4	6485	4043	3401	13928
5 B1	5810	4239	3482	13531
6 B2	6191	4106	3386	13684
7 B3	6279	4337	3232	13849
8 B4	6948	4215	3384	14546
1278 DIVIDEND (2J11)	6791	4523	3582	14896
1279 LEGENDAIRY (3J15)	6227	4329	3752	14307
1287 4J19	6466	4283	3249	13998
1288 C-3110	6393	4025	3392	13811
9 AP9137C	5855	3719	3460	13034
1292 ALFAGRAZE	6080	3729	3108	12917
1228 PS90-3	6242	4043	3633	13918
1233 PS90-6	6778	4283	3670	14732
1055 ADVANCE	6489	4191	3476	14157
9041 ONEIDA VR	6070	3790	3689	13549
1112 APOLLO SUPREME	5971	4205	3396	13572
1163 PICK..8920MF	5785	3807	3372	12964
10 ASQ	5398	3679	3173	12250
11 ASML5	6222	4245	3462	13929
9055 5311	5834	4059	3415	13309
1117 5262	6428	3747	3335	13510
1114 5364	5852	3875	3457	13184
1231 AP9031	5998	4067	3410	13475
1210 PS 90-1	6499	4310	3703	14512
1211 PS 90-2	5558	3616	2979	12153
1096 HORIZON	6329	3551	3318	13198
HARV MEANS	6178	4031	3403	13612
C.V. %	7.4	7.2	8.0	4.9
L.S.D. (5%)	738	468	440	1079

Pioneer alfalfa variety trial, seeded 1992,
harvested 1993, Tavistock

MEAN YIELD (Kg/ha)				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
1 90I5CR2	8389	5600	3741	17718
1117 5262	8422	5443	3842	17707
2 91I02PR1	8333	5690	3662	17674
3 90W3PR1	8131	5533	3304	16979
4 91P03PV1	7370	5611	3853	16845
5 YAL12	7594	5488	3707	16778
6 90W2CR2	7750	5410	3595	16755
7 90P5SR1	7941	5365	3394	16699
8 90W4PV1	8154	5342	3069	16576
9 91I03PR1	7694	5354	3382	16442
1074 ARROW	8154	5152	3125	16430
10 91W06PR1	7986	5141	3024	16386
11 90W5PV1	7829	5118	3416	16363
12 90W7SR1	7986	4984	3349	16318
13 EUROPE	7538	5354	3394	16274
9055 5311	7896	5186	3136	16229
14 91I04SR1	7694	5264	3214	16173
15 91W04PR1	7896	5230	3046	16173
9002 DK120	8310	4962	2856	16128
16 91W05PV1	7694	5141	3214	16050
17 91W03PV1	7560	5006	3472	16038
18 90SY6V2	7952	4984	2979	15915
19 91W02PV1	7538	5174	3181	15904
20 91I01PV1	7974	5051	2878	15904
21 90N4SR1	7717	4805	3181	15714
1298 XAE11	8019	4749	2934	15702
22 91N01CR2	7336	5051	3304	15691
1088 5432	7616	4906	3158	15680
23 91P01PR1	7179	5163	3282	15635
24 91N05SR1	7101	5174	3248	15534
25 91N03SR1	7582	4973	2968	15523
1001 SARANAC	7739	4738	3024	15512
1114 5364	7806	4738	2946	15490
1138 LEGEND	7806	4984	2688	15478
1259 YAL07	7101	5152	3203	15456
1297 5454	7515	5006	2912	15434
26 90N1CV2	6989	5253	3158	15400
27 91W07PV1	7448	4984	2822	15254
28 91N02SR1	7885	4838	2923	15220
29 91W01PR1	7302	4738	3147	15198
30 91C02PR1	7392	4917	2867	15187
31 90P7CV2	7168	5029	2968	15165
1258 5252	7459	4782	2912	15154
1189 5333	7470	4782	2867	15120
1177 5373	7470	4760	2856	15086

32 91C01PR1	7728	4603	2710	15042
33 91N06PR1	7067	4861	3069	14997
1176 5472	7549	4950	3226	14986
1191 5246	7719	4446	2654	14851
9012 VERNAL	7439	4446	2811	14683
34 91N04SR1	6922	4614	3013	14549
35 90I6SR2	7426	4334	2531	14291
36 90W6PR1	7067	4480	2710	14258
37 90P6SR1	6989	4458	2688	14123
38 91P02PR1	6742	4525	2688	13944
39 555	6664	4200	2722	13567
HARV MEANS	7605	4995	3114	15702
LSD (5%)	1049	824	709	2162
CV %	8.4	10.1	14.0	8.4

Northrup King alfalfa trial, seeded 1992,
harvested 1993, London

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1252 NK91-2	5611	2257	1866	9734
1 C-88-535	5651	2234	1846	9731
1250 90792	5594	2203	1857	9654
1196 Encore	5539	2241	1853	9633
1280 91800	5470	2290	1831	9591
1001 Saranac	5545	2161	1845	9551
1074 Arrow	5439	2231	1838	9508
9002 DK120	5501	2163	1812	9476
1279 91315	5279	2248	1850	9377
1278 91211	5385	2143	1846	9374
Harv Mean	5501	2217	1845	9563
LSD (5%)	344.7	106.2	31.2	308.6
CV%	4.9	3.7	4.2	2.5

Northrup King Alfalfa trial, seeded 1992,
harvested 1993, Punkey-Doodles

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1250 90792	3908	1024	1133	6065
1196 Encore	3948	920	935	5803
1 91797	3594	962	1018	5574
1278 91211	3763	875	958	5596
1280 91800	3585	993	980	5558
1001 Saranac	3648	928	936	5512
1252 NK91-2	3158	985	1139	5282
1279 91315	3519	923	923	5365
9002 DK120	3185	926	878	4989
1074 Arrow	3150	854	943	4947
Harv Mean	3546	939	985	5469
LSD (5%)	794.3	143.0	126.0	769.4
CV%	15.4	10.5	8.8	9.7

Northrup King Alfalfa trial, seeded 1992
harvested 1993, Wroxeter

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
1250 90792	4046	1787	1297	7130
1 91797	4022	1762	1276	7060
1001 Saranac	3966	1840	1226	7032
1279 91315	3916	1824	1199	6939
1196 Encore	4187	1625	1167	6979
1252 NK91-2	3928	1708	1266	6902
1280 91800	3848	1864	1180	6892
1278 91211	3838	1703	1194	6735
1074 Arrow	3737	1639	1178	6554
9002 DK120	3654	1628	1090	6372
Harv Mean	3914	1738	1207	6859
LSD (5%)	390.9	129.3	99.3	455.5
CV%	7.8	5.8	6.4	5.2

Northrup King Alfalfa trial E, seeded 1992,
harvested 1993, London

Note: Data from third and fourth production years from this trial will be used for OFCC variety considerations.

MEAN YIELD (Kg/ha)			
Cultivar	Cut 1	Cut 2	Total
9002 DK120	5509	2162	7671
1268 Spredor 2	5522	2060	7582
1001 Saranac	5349	2175	7524
4 NKEXP D	5319	2027	7346
1264 90788	5432	1881	7313
1074 Arrow	5162	2162	7324
1267 Beaver	5054	2100	7154
1 Heinrichs	5025	2055	7080
1303 91795	4723	2121	6844
Harv Mean	5233	2082	7315
LSD (5%)	491.9	136.3	533.5
CV%	7.3	5.1	5.7

Northrup King Alfalfa trial E, seeded 1992,
harvested 1993, Wroxeter

Note: Data from third and fourth production years from this trial will be used for OFCC variety considerations.

MEAN YIELD (Kg/ha)			
Cultivar	Cut 1	Cut 2	Total
1074 Arrow	4194	2434	6628
9002 DK120	4129	2595	6724
1001 Saranac	4029	2587	6616
1268 Spredor 2	4206	2160	6366
1303 91795	3937	2407	6344
1264 90788	4041	2263	6304
4 NKEXP D	3879	2249	6128
1 Heinrichs	3739	2128	5867
1267 Beaver	3669	2010	5679
Harv Mean	3981	2326	6295
LSD (5%)	558.3	225.1	685.9
CV%	10.9	7.5	8.5

TIMOTHY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1994

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>
6093	81009	Pickseed	Support for reg., defer (2)	-
6102	Dynasty	UCO	Reg. to be recommended in 1994	-
6114	SV8414	Bonis	No support 93, testing completed	14
6115	SV8406	Bonis	No support 93, testing completed	14
6116	SV8505	Bonis	Support for reg., defer (1)	14
6117	Alex	Brett-Young	Support for reg., defer (1)	14
6118	Extremo	Brett-Young	No support 93, testing completed	14
6119	Liphlea	Brett-Young	No support 93, testing completed	14
6120	PXTE-05	Ottawa	No support 93, testing completed	14
6121	T120	Oseco		5
6122	RVP03	Oseco		5
6123	TM8601	N.K.		5
6124	HT31	Pickseed		5
6125	PXTI-04	Ottawa		1
6126	PXTI-20	Ottawa		1
6127	PXTF-06	Ottawa		1
6128	SF8307A	Ste Foy		1
6129	SF8601	Ste Foy		1
6130	SF8605	Ste Foy		1
6131	PXTI-08	Ottawa		0
6132	PXTI-11	Ottawa		0
6133	Jonathan	Oseco		0

1990	Timothy registration	Kapuskasing		
1993	dry matter yield (kg/ha)			
entry	code	cut 1	cut 2	Total
Climax	6002	5139	1442	6581
Timfor	6040	5257	2061	7318
Promesse	6106	5593	1286	6879
EPHP 18	6108	6145	1818	7963
NY 83-1	6109	5245	1629	6874
NY 83-2	6110	5201	1933	7134
PXTE-01	6111	5053	1359	6412
PXTE-02	6112	5504	1471	6975
PXTE-04	6113	4274	1789	6063
SV8414	6114	6085	1408	7493
SV8406	6115	6312	1510	7822
SV8505	6116	5748	1561	7309
Axel	6117	5109	1417	6526
Extremo	6118	5683	1567	7250
Liphlea	6119	5970	1637	7607
PXTE-05	6120	4811	1468	6279
mean		5446	1585	7030
CV (%)		8.9	9.8	7.8

1990	Timothy registration	New Liskeard	
1993	dry matter yield (kg/ha)		
entry	code	cut 1	
Climax	6002	8246	
Timfor	6040	9360	
Promesse	6106	8333	
EPHP 18	6108	8770	
NY 83-1	6109	7691	
NY 83-2	6110	8051	
PXTE-01	6111	8619	
PXTE-02	6112	8488	
PXTE-04	6113	7145	
SV8414	6114	7282	
SV8406	6115	8313	
SV8505	6116	8859	
Axel	6117	9530	
Extremo	6118	7429	
Liphlea	6119	7980	
PXTE-05	6120	8630	
mean		8295	
CV (%)		11.7	

1990 Timothy performance Elora
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Climax	6002	6678	2099	8777
Champ	6005	6907	2858	9765
Basho	6009	7149	2720	9869
Itasca	6026	6527	2589	9116
Toro	6030	7709	3510	11219
Timfor	6040	6476	2510	8986
Richmond	6050	7371	3210	10581
Salvo	6062	7163	2903	10066
Glenmor	6074	6137	2292	8429
Winmor	6075	6275	2124	8399
Mariposa	6081	6853	2996	9849
Alexander	6086	6872	2179	9051
mean		6843	2666	9509
CV (%)		9.7	9.8	8.3

1991 Timothy registration Elora
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Climax	6002	7362	3272	10634
Timfor	6040	7315	3211	10526
SV8414	6114	7739	3549	11288
SV8406	6115	8132	3474	11606
SV8505	6116	7982	3656	11638
Axel	6117	7427	4534	11961
Extremo	6118	7727	4244	11971
Liphlea	6119	7517	3168	10685
PXTE-05	6120	6415	2901	9316
T120	6121	7377	3121	10498
RVP03	6122	8374	3456	11830
TM8601	6123	7837	4955	12792
HT 31	6124	7066	2717	9783
mean		7559	3558	11118
CV (%)		8.5	11.4	8.7

1991	Timothy registration	Thunder Bay		
1993	dry matter yield (kg/ha)			
entry	code	cut 1	cut 2	Total
Climax	6002	3482	1593	5075
Timfor	6040	3582	1564	5146
SV8414	6114	3524	1276	4800
SV8406	6115	3888	1435	5323
SV8505	6116	3992	1473	5465
Axel	6117	3983	1614	5597
Extremo	6118	4129	1288	5417
Liphlea	6119	3973	1203	5176
PXTE-05	6120	3772	1646	5418
T120	6121	3707	1255	4962
RVP03	6122	3538	1543	5081
TM8601	6123	3688	1557	5245
HT 31	6124	3481	1224	4705
mean		3749	1436	5185
CV (%)		7.6	15.7	7.0

1992	Timothy registration	Kapusksing		
1993	dry matter yield (kg/ha)			
entry	code	cut 1	cut 2	Total
CLIMAX	6002	4689	2290	6979
TIMFOR	6040	5532	1989	7521
T 120	6121	5170	1525	6695
RVP03	6122	4615	2630	7245
TM8601	6123	5030	2390	7420
HT31	6124	4628	2040	6668
PXTI-04	6125	3765	2675	6440
PXTI-20	6126	3496	2956	6452
PXTF-06	6127	4779	2551	7330
SF8307A	6128	5184	2488	7672
SF8601	6129	5180	2102	7288
SF8605	6130	3706	2988	6694
mean		4648	2385	7033
CV (%)		12.5	10.8	7.9

1991 Timothy performance Ridgetown
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Climax	6002	6069	4432	10501
Champ	6005	5021	4133	9154
Bounty	6006	5908	4355	10263
Basho	6009	6241	4136	10377
Itasca	6026	6319	3830	10149
Toro	6030	6206	4757	10963
Timfor	6040	5767	4192	9959
Richmond	6050	6516	4897	11413
Salvo	6062	6426	4055	10481
Glenmor	6074	5791	4246	10037
Winmor	6075	5495	4250	9745
Mariposa	6081	6737	4223	10960
Alexander	6086	5397	4470	9867
Nike	6087	6551	4398	10949
Tiller	6091	5965	3980	9945
Argus	6095	6147	4116	10263
Carola	6097	6803	3979	10782
mean		6080	4262	10342
CV (%)		6.0	12.9	6.1

1991 Timothy early performance Kapuskasing
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Climax	6002	5037	1462	6499
Champ	6005	5403	1369	6772
Bounty	6006	5122	1142	6264
Basho	6009	5637	1109	6746
Itasca	6026	5612	1225	6837
Toro	6030	4607	1484	6091
Timfor	6040	5545	1258	6803
Richmond	6050	5369	1218	6587
Salvo	6062	4395	1499	5894
Glenmor	6074	5135	1065	6200
Winmor	6075	4861	1664	6525
Mariposa	6081	5525	1585	7110
Alexander	6086	5104	1606	6710
Nike	6087	5711	1052	6763
Tiller	6091	4303	1104	5407
Argus	6095	5526	1365	6891
Carola	6097	5550	1206	6756
mean		5202	1318	6521
CV (%)		6.4	12.8	5.9

1991 1993	Timothy late performance dry matter yield (kg/ha)	Kapuskasing		
entry	code	cut 1	cut 2	Total
Climax	6002	5999	1345	7344
Champ	6005	5588	1055	6643
Bounty	6006	5941	883	6824
Basho	6009	6184	1041	7225
Itasca	6026	6524	812	7336
Toro	6030	5816	1555	7371
Timfor	6040	5851	1715	7566
Richmond	6050	6111	833	6944
Salvo	6062	5419	1207	6626
Glenmor	6074	5550	1167	6717
Winmor	6075	5873	1086	6959
Mariposa	6081	6691	635	7326
Alexander	6086	6375	1145	7520
Nike	6087	5952	926	6878
Tiller	6091	5274	1008	6282
Argus	6095	6791	841	7632
Carola	6097	6657	913	7570
mean		6035	1069	7104
CV (%)		7.9	14.0	7.4

1992 1993	Timothy performance dry matter yield (kg/ha)	New Liskeard	
entry	code	cut 1	
Climax	6002	10370	
Champ	6005	9557	
Basho	6009	11915	
Itasca	6026	8801	
Toro	6030	9979	
Timfor	6040	10312	
Richmond	6050	9497	
NorMax	6066	10192	
Glenmor	6074	10819	
Winmor	6075	9363	
Mariposa	6081	9361	
Alexander	6086	10276	
Nike	6087	10311	
Argus	6095	9382	
Carola	6097	9472	
mean		9974	
CV (%)		11.5	

ORCHARDGRASS VARIETIES**CURRENT STATUS OF VARIETIES - February 1, 1994**RECOMMENDED VARIETIES

Hallmark	Kay	Napier	Rapido	Benchmark
Juno	Mobite	Rancho	Sumas	DS 7
OKAY				

VARIETIES UNDER TEST

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
3073	OSG 13	U. of Guelph	Support for reg., defer (4)	17
3074	Jay	U. of Guelph	Registered, defer (4)	23
	(OSG 16)			
3078	AC Splendor	N K (Ottawa)	Registered, defer (4)	-
	(PXOD 01)			
3080	PXOE 01	Ottawa	No support 93, testing completed	12
3082	8901	UCO	No support 93, testing completed	8
3083	PXOE-02	Ottawa	No support 93, testing completed	8
3084	PXOE-03	Ottawa	No support 93, testing completed	8
3085	PXOE-04	Ottawa	No support 93, testing completed	8
3086	OG8705	UCO		5
3087	Weibull	Oseco		3
	H94			
3088	PXOF-21	Ottawa		3
3089	PXOF-37	Ottawa		3
3090	PXOI-10	Ottawa		3
3091	Arctic	Oseco	Registered	0

1990 1993	Orchardgrass registration dry matter yield (kg/ha)	Elora		
entry	code	cut 1	cut 2	Total
Juno	3001	4833	2313	7146
Kay	3003	4877	2407	7284
Napier	3009	4218	2437	6655
Hallmark	3027	3991	2483	6474
Sumas	3046	5035	2241	7276
Rapido	3066	4992	2825	7817
Rancho	3069	4199	2247	6446
Okay	3079	5066	2444	7510
PXOE-01	3080	3699	2475	6174
8901	3082	4323	2326	6649
PXOE-02	3083	3607	2259	5866
PXOE-03	3084	3888	2389	6277
PXOE-04	3085	4221	2185	6406
mean		4381	2387	6768
CV (%)		12.1	12.1	

1991 1993	Orchardgrass registration dry matter yield (kg/ha)	Kapusksasing			
entry	code	cut 1	cut 2	cut 3	Total
Juno	3001	2797	2199	1190	6186
Kay	3003	3755	1703	1173	6631
Napier	3009	2349	2105	1021	5475
Hallmark	3027	2312	2214	1555	6081
Sumas	3046	3123	2003	1091	6217
Rapido	3066	2721	2276	1437	6434
Rancho	3069	2728	2061	1314	6103
8901	3082	2693	2147	1224	6064
PXOE-02	3083	2641	1511	1151	5303
PXOE-03	3084	3510	1994	1017	6521
PXOE-04	3085	3482	1750	512	5744
OG8705	3086	2833	2162	1246	6241
Mobite	3076	2484	2246	1422	6152
mean		2879	2029	1181	6089
CV (%)		9.2	11.8	11.2	8.4

1992 Orchardgrass registration Elora
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
Juno	3001	7089	2885	912	10886
Kay	3003	6474	3023	721	10218
Napier	3009	6000	3341	1072	10413
Hallmark	3027	5858	3524	969	10351
Sumas	3046	6932	3372	891	11195
Rapido	3066	6554	3166	1039	10759
Rancho	3069	6548	3191	1005	10744
Mobite	3076	6029	3195	734	9958
OG8705	3086	6526	3747	940	11213
Weibull-H94	3087	7187	3499	662	11348
PXOF-21	3088	7008	2814	904	10726
PXOF-37	3089	6531	3121	866	10518
PXOI-10	3090	6793	3136	658	10587
mean		6579	3232	875	10686
CV (%)		6.4	8.6	13.6	5.7

1992 Orchardgrass registration Ottawa
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Juno	3001	5098	3850	8948
Kay	3003	4953	3733	8686
Napier	3009	4158	2862	7020
Hallmark	3027	3875	3722	7597
Sumas	3046	4985	4202	9187
Rapido	3066	4882	3946	8828
Rancho	3069	4565	4014	8579
Mobite	3076	4200	3635	7835
OG8705	3086	5006	4061	9067
Weibull-H94	3087	5294	3371	8665
PXOF-21	3088	4597	3595	8192
PXOF-37	3089	4659	3423	8082
PXOI-10	3090	5210	3902	9112
mean		4729	3717	8446
CV (%)		9.9	9.6	7.5

1992 Orchardgrass registration Thunder Bay
 1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Juno	3001	2912	2975	5887
Kay	3003	2798	2462	5260
Napier	3009	2466	2986	5452
Hallmark	3027	2239	2931	5170
Sumas	3046	2692	2788	5480
Rapido	3066	2399	2743	5142
Rancho	3069	2808	2675	5483
Mobite	3076	1554	3531	5085
OG8705	3086	2991	2702	5693
Weibull-H94	3087	4118	2279	6397
PXOF-21	3088	2444	2853	5297
PXOF-37	3089	2888	2569	5457
PXOI-10	3090	2741	2699	5440
mean		2696	2784	5480
CV (%)		15.3	13.2	10.0

Northrup King Seeds Ltd.
Orchard Grass Trial
London, Ontario

Seeded 1992, Harvested 1993

Mean Yield (kg/Ha)			
Cultivar	Cut 1	Cut2	TOTAL
AC Splendor	5651	536	6187
Kay	5495	526	6021
OG8702	5107	536	5643
Hallmark	4897	666	5563
Profil	4460	572	5032
Harv Mean	5122	567	5689
LSD (5%)	349.9	101.3	360.1
CV%	5.1	13.3	4.7

BROMEGRASS VARIETIES**CURRENT STATUS OF VARIETIES - February 1, 1994****RECOMMENDED VARIETIES**

Baylor	Beacon	Bravo	Saratoga	Tempo	Radisson
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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>
2047	PXBD 01	Ottawa	Support for reg., defer (3)	13
2049	86B	Szego	Support for reg., defer (2)	12
2050	Rebound	Zuelzer	No support 93, testing completed	8
2052	PXBD-28	Ottawa		4

1991 Brome grass registration New Liskeard
1993 dry matter yield (kg/ha)

entry	code	cut 1
Tempo	2024	7948
Saratoga	2002	7952
Bravo	2039	8499
Beacon	2027	8314
Baylor	2001	8540
86B	2049	8161
Rebound	2050	7799
Radison	2051	8343
mean		8195
CV (%)		7.2

1992 Brome grass registration Elora
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Baylor	2001	10066	3143	13209
Saratoga	2002	8337	3319	11656
Tempo	2024	7767	3061	10828
Beacon	2027	11883	3371	15254
Bravo	2039	8372	3313	11685
PXBD-28	2052	8352	3110	11462
mean		9130	3220	12349
CV (%)		10.3	9.2	7.8

1992 Brome grass registration Ottawa
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Baylor	2001	6660	4813	11473
Saratoga	2002	6754	3891	10645
Tempo	2024	6832	3840	10672
Beacon	2027	7554	4856	12410
Bravo	2039	6594	4291	10885
PXBD-28	2052	7272	4628	11900
mean		6944	4387	11331
CV (%)		9.4	11.6	6.9

1992 1993	Bromegrass registration dry matter yield (kg/ha)	Kapuskasing		
entry	code	cut 1	cut 2	Total
Baylor	2001	4453	2531	6984
Saratoga	2002	4644	2558	7202
Tempo	2024	4707	2448	7155
Beacon	2027	4721	2603	7324
Bravo	2039	4566	2625	7191
PXBD-28	2052	3994	2596	6590
mean		4514	2560	7074
CV (%)		10.9	5.9	7.4

1992 1993	Bromegrass registration dry matter yield (kg/ha)	Thunder Bay		
entry	code	cut 1	cut 2	Total
Baylor	2001	4584	2324	6908
Saratoga	2002	5207	2322	7529
Tempo	2024	4714	2166	6880
Beacon	2027	4283	2185	6468
Bravo	2039	4831	2203	7034
PXBD-28	2052	4308	2038	6346
mean		4655	2206	6861
CV (%)		9.1	6.8	7.2

TALL FESCUE VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1994

RECOMMENDED VARIETIES

Stef	Courtenay	Phyter
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>
5522	Syn A (AC Graze)	Ottawa	Deferral expired	22
5525	TF-1	Richardson	Support for reg., defer (2)	24
5526	MCF101	Macdonald College	Support for reg., defer (3)	19
5527	MCF102	Macdonald College	Support for reg., defer (3)	19
5528	TF8872	Oseco	Support for reg., defer (2)	13

1990 1993	Tall fescue registration dry matter yield (kg/ha)	Kapuskasing			
entry	code	cut 1	cut 2	cut 3	Total
Phyter	5516	1794	751	1541	4086
Stef	5517	2387	1096	1912	5395
Festorina	5519	1246	629	1158	3033
Ac Graze	5522	2286	1734	1728	5748
Courtenay	5523	2990	1362	1656	6008
FA 8CD	5524	2808	1303	1299	5410
TF-1	5525	1648	748	972	3368
MCF101	5526	2591	1773	2031	6395
MCF102	5527	2653	1367	1338	5358
TF8872	5528	1495	788	1192	3475
mean		2190	1155	1483	4828
CV (%)		9.7	9.7	11.8	7.3

1991 1993	Tall fescue registration dry matter yield (kg/ha)	Elora		
entry	code	cut 1	cut 2	Total
Phyter	5516	7414	4167	11581
Stef	5517	6431	3850	10281
Festorina	5519	7808	4902	12710
Ac Graze	5522	6583	4500	11083
Courtenay	5523	7161	4104	11265
FA 8CD	5524	7438	4457	11895
TF-1	5525	7545	3977	11522
MCF101	5526	6529	4717	11246
MCF102	5527	7804	5073	12877
TF8872	5528	8382	4564	12946
mean		7310	4431	11741
CV (%)		6.2	4.8	4.9

1991 Tall fescue registration Thunder Bay
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Phyter	5516	2967	3341	6308
Stef	5517	3237	3843	7080
Festorina	5519	2624	3217	5841
Ac Graze	5522	3289	3987	7276
Courtenay	5523	2745	3606	6351
FA 8CD	5524	2974	3348	6322
TF-1	5525	2728	3238	5966
MCF101	5526	3034	3838	6872
MCF102	5527	3236	3602	6838
TF8872	5528	3094	3124	6218
mean		2993	3514	6507
CV (%)		17.9	14.4	13.8

1991 Tall fescue registration New Liskeard
1993 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
Phyter	5516	6659	2973	9632
Stef	5517	6179	3986	10165
Festorina	5519	5784	3208	8992
Ac Graze	5522	6378	3469	9847
Courtenay	5523	6606	3442	10048
FA 8CD	5524	6459	3543	10002
TF-1	5525	6423	3131	9554
MCF101	5526	6432	4143	10575
MCF102	5527	6847	3746	10593
TF8872	5528	5570	2645	8215
mean		6334	3429	9762
CV (%)		13.2	15.0	9.0

REED CANARY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1994

RECOMMENDED VARIETIES

Palaton Vantage Venture

VARIETIES UNDER TEST

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Yield Data</u>
5017	Bellevue	Pickseed	Registered	4
5018	Lara	Oseco		0
4019	Emphasis	Seed Link		0

MEADOW FOXTAIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1994

RECOMMENDED IN PUBLICATION 296

Mountain Dan

VARIETIES UNDER TEST

None

1992 Reed canarygrass registration Kemptville
1993 dry matter yield (kg/ha)

A:RCK89293

entry	code	cut 1	cut 2	Total
Vantage	5011	8564	3281	11845
Palaton	5013	8142	3187	11329
Venture	5016	7988	3693	11681
Bellevue	5017	7706	3177	10883
mean		8100	3335	11435
CV (%)		14.2	6.3	9.1

Ontario Forage Crops Committee

1992 Reed canarygrass registration Ottawa
1993 dry matter yield (kg/ha)

A:RCOT9293

entry	code	cut 1	cut 2	Total
Vantage	5011	6314	4257	10571
Palaton	5013	5667	4424	10091
Venture	5016	5577	4548	10125
Bellevue	5017	5754	4546	10300
mean		5828	4444	10272
CV (%)		9.6	5.0	6.4

1992 Reed canarygrass registration Kapuskasing
1993 dry matter yield (kg/ha)

A:RCKA9293

entry	code	cut 1	cut 2	Total
Vantage	5011	3921	3275	7196
Palaton	5013	3998	3036	7034
Venture	5016	4310	4064	8374
Bellevue	5017	3613	3807	7420
mean		3961	3546	7506
CV (%)		6.0	7.2	4.9

1992 Reed canarygrass registration Elora
 1993 dry matter yield (kg/ha)

HINCEA 7893

entry	code	cut 1	cut 2	Total
Vantage	5011	8184	3158	11342
Palaton	5013	8724	2825	11549
Venture	5016	8842	3705	12547
Bellevue	5017	8078	3563	11641
mean		8457	3313	11770
CV (%)		5.8	8.1	5.8

BIRDSFOOT TREFOIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1994

RECOMMENDED VARIETIES

Empire Leo Bull

VARIETIES UNDER TEST, PURE STAND TREFOIL

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
7031	RC4Syn2	U. of Guelph	Support for reg., defer (2)	--
7035	Bonnie	Oseco	No support 93, testing completed	12
7036	T384	U. of Guelph	No support 93, testing completed	7
7037	8 Syn3	U. of Guelph		5
7008	Dawn	Szego	No support 93, re-examine 94	16
7038	01-1984-1	Pickseed		0
7039	01-1984-2	Pickseed		0

VARIETIES UNDER TEST, TREFOIL WITH TIMOTHY

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
7008	Dawn	Szego		0
7031	RC4Syn2	U. of Guelph		0
7038	01-1984-1	Pickseed		0
7039	01-1984-2	Pickseed		0

TREFOIL VARIETY TEST 1990
New Liskeard College of Agricultural Technology

A: TNL90.93

harvest year: 1993

ALL YIELDS REPORTED AS kg/ha

VARIETY	CODE	FIRST CUT	SECOND CUT	TOTAL
		JULY 2	AUG 17	YIELD
BULL	7034	5801	2688	8489
LEO	7001	5623	2296	7919
EMPIRE	7003	5423	2128	7551
BONNIE	7035	5237	2035	7271
8 SYN3	7037	4709	2007	6715
T 384	7036	4676	2025	6701
UPSTART	7033	4585	2053	6638
AVERAGE		5150	2176	7326
LSD(.05)		890 kg/ha	382 kg/ha	886 kg/ha
LSD(.01)		1347 kg/ha	578 kg/ha	1343 kg/ha
C.V.		12.21 %	12.40 %	8.56 %

TREFOIL VARIETY TEST 1991

New Liskeard College of Agricultural Technology

harvest year: 1993

A: TNL 91.93

ALL YIELDS REPORTED AS kg/ha

VARIETY	CODE	FIRST CUT	SECOND CUT	TOTAL
		JUNE 30	AUG 17	YIELD
LEO	7001	6798	3368	10165
EMPIRE	7003	6170	3454	9624
BULL	7034	5992	3255	9247
UPSTART	7033	5775	3151	8925
DAWN	7008	5590	2942	8532
BONNIE	7035	4994	2491	7485
AVERAGE		5886	3110	8996
LSD(.05)		831 kg/ha	303 kg/ha	979 kg/ha
LSD(.01)		1303 kg/ha	475 kg/ha	1535 kg/ha
C.V.		8.68 %	6.00%	6.69 %

KAPUSKASING 1993

A: TK 91.93

EXP: 6523

1991 OFCC TREFOIL TRIAL
ESSAI DE LOTIER OFCC 1991

YIELD (kg DM/ha)		RENDEMENT(kg Ms/ha)		
CULTIVARS	C-1	C-2	TOTAL	
LEO	2708	1685	7001	4393
BULL	2559	1729	7034	4288
UPSTART	2248	1640	7033	3888
BONNIE	1915	1728	7035	3643
DAWN	1894	1667	7008	3561
EMPIRE	1576	1933	7003	3509
MEAN/MOYENNE	2150	1730	3880	

C.V. %	10.4	11.6	7.9
F	**	NS	*
L.S.D.5%	407	365	561

HARVEST : 1st cut at early flowering, others 6-7 weeks later.

RECOLTE : 1ère coupe début floraison, les autres 6-7 semaines plus tard

HARVEST DATES : 06/29/93 08/04/93

JOUR DE RECOLTE :

FERTILIZATION : P&K according to soil test.

FUMURE : P&K selon l'analyse de sol.

COMMENTS/REMARQUES :

Exp 7221 TREFOIL TRIAL

Seeded 1992 THUNDER BAY

A: TTB 92.93

Harvested 1993

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
7001 LEO	3138	2387	5526
7003 EMPIRE	2518	2344	4862
7008 DAWN	2107	2158	4265
7033 UPSTART	3232	2375	5608
Harv means	2749	2316	5065
CV %	12.3	5.0	7.8
LSD (5%)	437.1	149.0	510.6

KAPUSKASING 1993

EXP: 6524

1992 OFCC TREFOIL TRIAL
ESSAI OFCC DE LOTIER 1992

A: TK92.93

YIELD (kg DM/ha)		RENDEMENT(kg Ms/ha)		
CULTIVARS		C-1	C-2	TOTAL
LEO	7001	4298	2104	6402
UPSTART	7033	3947	1779	5726
DAWN	7008	2979	2175	5154
EMPIRE	7003	2771	2304	5075
MEAN/MOYENNE		3499	2091	5589

C.V. %	8.5	9.8	6.7
F	**	*	**
L.S.D.5%	476	329	596

HARVEST : 1st cut at early flowering, others 6-7 weeks later.

RECOLTE : 1ère coupe début floraison, les autres 6-7 semaines plus tard

HARVEST DATES : 06/30/93 08/05/93

JOUR DE RECOLTE :

FERTILIZATION : P&K according to soil test.

FUMURE : P&K selon l'analyse de sol.

COMMENTS/REMARQUES :

RED CLOVER VARIETIES**CURRENT STATUS OF VARIETIES - February 1, 1994****RECOMMENDED VARIETIES**

Arlington	Atlas	Florex	Persist	Concorde
Walter				

VARIETIES RECOMMENDED FOR THE FIRST TIME IN PUBLICATION 296

<u>Variety</u>	<u>Designation in Trials</u>	<u>Code # in Trials</u>	<u>Entry Year</u>
Ram	MSR 97	4057	1988

VARIETIES UNDER TEST

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
4056	CRS4	Charlottetown	Support for reg., defer (3)	6
4063	Marathon	OFCC	No support 93, re-examine 94 *	16
4066	OACRC487	U. of Guelph	Support for reg., defer (2)	8
4067	RC887	U. of Guelph	No support 93, re-examine 94	10
4068	AP89-R-01	Oseco	No support 93, testing completed	9
4069	PSRC-1	Pickseed	No support 93, testing completed	9
4070	PSR-008	Pickseed	Support for reg., defer (1)	7
4071	22291	Parsons	No support 93, re-examine 94	7
4072	WD 1919	Oseco	No support 93, re-examine 94	7
	(Rebel)			
4073	ABI90R-02	Oseco	No support 93, re-examine 94	7
4074	MCC 107	Macdonald College		3
4075	MCC 111	Macdonald College		3
4076	MCC 113	Macdonald College		3
4077	87-A	N K		0
4078	Cinnamon	UCO		0

* Decision under appeal

RED CLOVER VARIETY TEST 1990

New Liskeard College of Agricultural Technology

A=RCNL90.93

harvest year : 1993

ALL YIELDS REPORTED AS kg/ha

VARIETY	CODE	FIRST CUT JULY 2	SECOND CUT AUG 17	TOTAL YIELD
PROSPER I	4027	6010	1883	7892
PERSIST	4034	6156	1558	7714
FLOREX	4017	5864	1770	7634
OAC RC 487	4066	5597	1970	7567
WALTER	4055	5386	2032	7418
CRS 2	4054	5411	1995	7406
MARATHO N	4063	5562	1783	7344
PS RC-1	4069	5229	1858	7086
ATLAS	4036	5327	1708	7035
ARLINGTON N	4023	5325	1621	6946
AP 89-R-01	4068	4824	1845	6669
CRS 6	4065	4749	1658	6407
RCPOP B	4064	4758	1646	6403
RC 887	4067	3674	1733	5407
AVERAGE		5277	1790	7066
LSD(.05)		376 kg/ha	191 kg/ha	442 kg/ha
LSD(.01)		524 kg/ha	266 kg/ha	616 kg/ha
C.V.		8.41 %	12.57 %	7.39 %

Exp 1149 RED CLOVER 1991

Seeded 1991 RIDGETOWN

A:RCR91.93

Harvested 1993

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
4017 FLOREX	4148	2971	7119
4023 ARLINGTON	3585	2522	6108
4027 PROSPER I	2705	2699	5404
4034 PERSIST	3879	2719	6598
4036 ATLAS	3453	2605	6058
4055 WALTER	4199	2917	7117
4067 RC887	3322	2163	5485
4068 AP89-R-01	3589	2713	6301
4069 PS RC-1	3519	2843	6362
4070 PSR008	4173	2987	7159
4071 22291	3689	2754	6443
4072 REBEL (WD191	3875	2482	6356
4073 ABI 90R-02	3715	2704	6419
Harv means	3681	2698	6379
CV %	14.9	10.1	10.6
LSD (5%)	657.5	328.1	812.1

RED CLOVER VARIETY TEST 1991

New Liskeard College of Agricultural Technology

ASRC NL91.93

harvest year: 1993

ALL YIELDS REPORTED AS kg/ha

VARIETY	COD E	FIRST CUT JUNE 30	SECOND CUT AUG 17	TOTAL YIELD
PERSIST	4034	6885	2253	9137
PSR008	4070	6299	2579	8877
ATLAS	4036	6386	2465	8850
PSRC-1	4069	6062	2693	8755
FLOREX	4017	6348	2318	8666
WALTER	4055	5700	2759	8458
PROSPER I	4027	5687	2546	8234
RC 887	4067	5376	2759	8134
22291	4071	5613	2465	8077
AP 89-R-01	4068	5425	2628	8053
ABI-90R-02	4073	5251	2710	7960
ARLINGTON	4023	5226	2677	7903
REBEL	4072	4203	2922	7125
AVERAGE		5728	2598	8325
LSD(.05)		463.5 kg/ha	232.3 kg/ha	566.4 kg/ha
LSD(.01)		650.6 kg/ha	323.2 kg/ha	802.4 kg/ha
C.V.		9.09 %	10.05 %	7.72 %

Red Clover Trial, seeded 1992,
harvested 1993, Elora

A: RCELO92.93

MEAN YIELD (Kg/ha)

Cultivar	Cut 1	Cut 2	Total
4017 FLOREX	8146	4199	12345
4059 CONCORDE	6836	4132	10968
4066 OAC RC487	7426	4163	11589
4067 RC887	6837	4770	11607
4070 PSR008	7642	4180	11822
4072 REBEL	7107	4091	11197
4073 ABI 90R-02	7138	5094	12232
4074 MCC 107	7489	4672	12161
4075 MCC 111	7501	4344	11845
4076 MCC 113	6539	4018	10557
HARV MEANS	7235	4333	11568
C.V. %	9.5	17.8	10.5
L.S.D. (5%)	827.7	924.6	1458.0

4071 22291

6925

3997

10922

Exp 2680 OFCC RED CLOVER TRIALSeeded 1992 ELORA

Harvested 1993

Mean Yield (kg/ha)

Cultivar	Cut 1	Cut 2	Total
4017 FLOREX	8146	4199	12345
4059 CONCORDE	6836	4132	10968
4066 OAC RC487	7426	4163	11589
4067 RC887	6837	4770	11607
4070 PSR008	7642	4180	11822
4071 22291	6925	3997	10922
4072 REBEL	7107	4091	11197
4073 ABI 90R-02	7138	5094	12232
4074 MCC 107	7489	4672	12161
4075 MCC 111	7501	4344	11845
4076 MCC 113	6539	4018	10557
Harv means	7235	4333	11568
CV %	9.5	17.8	10.5
LSD (5%)	827.7	924.6	1458.0

KAPUSKASING 1993

EXP: 6575

ARCK 92-93

1992 OFCC RED CLOVER TRIAL
ESSAI OFCC DE TREFLE ROUGE 1992

YIELD (kg DM/ha)

RENDEMENT(kg Ms/ha)

CULTIVARS	C-1	C-2	TOTAL	
MCC 111	5110	2701	4075	7811
ABI-90R-02	4733	2909	4073	7642
FLOREX	4976	2457	4017	7433
ATLAS	4565	2833	4036	7398
PSROO8	4681	2683	4070	7364
PROSPER 1	4434	2800	4027	7234
22291	4295	2873	4071	7168
WALTER	4385	2731	4055	7116
PERSIST	4840	2264	4034	7104
MCC 113	4298	2782	4076	7080
ARLINGTON	4007	3063	4023	7070
REBEL	4154	2829	4072	6983
CONCORDE	4011	2883	4059	6894
MCC 107	4579	2276	4074	6855
MEAN/MOYENNE	4505	2720	7225	

C.V. %	8.2	8.0	6.2
F	**	**	NS
L.S.D.5%	525	313	641

HARVEST : 1st cut at early flowering, others 6-7 weeks later.

RECOLTE : 1ère coupe début floraison, les autres 6-7 semaines plus tard

HARVEST DATES : 07/05/93 08/17/93

JOUR DE RECOLTE :

FERTILIZATION : P&K according to soil test.

FUMURE : P&K selon l'analyse de sol.

COMMENTS/REMARQUES :

RED CLOVER VARIETY TEST 1992
New Liskeard College of Agricultural Technology

harvest year: 1993

A: RCNL 92.93

ALL YIELDS REPORTED AS kg/ha

VARIETY	CODE	FIRST CUT	SECOND CUT	TOTAL
		JUNE 30	AUG 17	YIELD
PROSPER I	4027	7326	2777	10103
ATLAS	4036	7527	2338	9865
FLOREX	4017	7360	2468	9828
PERSIST	4034	7670	2136	9806
PSR008	4070	7183	2587	9770
MCC113	4076	7183	2445	9628
WALTER	4055	6906	2670	9576
ABI-90-R-02	4073	6932	2575	9507
MCC107	4074	7208	2219	9428
MCC111	4075	6789	2445	9233
CONCORDE	4059	6395	2789	9183
REBEL	4072	6185	2789	8973
22291	4071	6336	2575	8911
ARLINGTON	4023	6034	2516	8549
AVERAGE		6931	2523	9454
LSD(.05)		429 kg/ha	241 kg/ha	362 kg/ha
LSD(.01)		597 kg/ha	335 kg/ha	505 kg/ha
C.V.		7.30 %	11.25 %	4.52 %

Northrup King Red Clover trial, seeded 1991,
harvested 1993, London

A-RCL91.93

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
4077 87 - A	3856.7	1722.6	1372.0	6951.3
4063 Marathon	3631.0	1509.3	1318.4	6458.7
4034 Persist	3587.8	1457.1	1216.8	6261.7
4055 Walter	3520.8	1448.1	1136.8	6105.7
4017 Florex	3503.5	1412.1	1100.8	6016.4
4036 Atlas	3416.0	1362.6	1100.8	5879.4
Harv Mean	3586.0	1485.3	1207.6	6278.9
LSD (5%)	222.1	97.2	157.4	307.6
CV%	4.7	5.0	10.0	3.7

Northrup King Red Clover trial, seeded 1992,
harvested 1993, London

MEAN YIELD (Kg/ha) <i>A:RCL92.93</i>			
Cultivar	Cut 1	Cut 2	Total
4077 87 - A	4584.6	1940.4	6525.0
4063 Marathon	4833.0	1818.9	6651.9
4034 Persist	4990.7	1599.3	6590.0
4055 Walter	4642.9	1727.1	6370.0
4017 Florex	4817.9	1719.0	6536.9
4036 Atlas	4804.9	1728.0	6532.9
Harv Mean	4779.0	1755.9	6534.9
LSD (5%)	595.2	140.2	657.1
CV%	8.3	5.3	6.7

Northrup King Red Clover trial, seeded 1992,
 harvested 1993, Punkey-Doodles

A- RCNK92.93

MEAN YIELD (Kg/ha)				
Cultivar	Cut 1	Cut 2	Cut 3	Total
4077 87 - A	6396.8	1143.9	933.6	8474.3
4063 Marathon	6258.6	1039.5	943.2	8241.3
4034 Persist	6077.2	766.1	840.0	7683.3
4055 Walter	5976.7	940.5	920.8	7838.0
4017 Florex	5868.7	779.6	809.6	7457.9
4036 Atlas	6091.2	920.7	906.4	7918.3
Harv Mean	6111.5	931.7	892.3	7935.5
LSD (5%)	653.5	222.7	151.1	882.6
CV%	7.1	15.9	11.2	7.4

WHITE CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1994

RECOMMENDED VARIETIES

California Ladino Merit Sacramento Canopy

VARIETIES RECOMMENDED FOR THE FIRST TIME IN PUBLICATION 296

<u>Variety</u>	<u>Designation in Trials</u>	<u>Code # in Trials</u>	<u>Entry Year</u>
Alice	Alice	8014	1989

VARIETIES UNDER TEST, PURE STAND WHITE CLOVER

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
8012	Osceola	Szego	No support 93, re-examine 94	7
8013	Shasta	Szego	Support for reg. defer (2)	6
8016	Cristal	Oseco		2
8017	Kopu	Speare		0

VARIETIES UNDER TEST, WHITE CLOVER WITH ORCHARDGRASS

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
8011	Sonja	Oseco		0
8012	Shasta	Szego		0
8013	Osceola	Szege		0
8016	Cristal	Oseco		0
8017	Kopu	Speare		0

Exp 7222 WHITE CLOVER TRIAL

Seeded 1992 THUNDER BAY

A:WCT592.93

Harvested 1993

Mean Yield (kg/ha)			
Cultivar	Cut 1	Cut 2	Total
8004 MERIT	1902	1234	3136
8005 SACRAMENTO	1435	1614	3049
8007 CAL. LADINO	1454	1262	2716
8010 CANOPY	1193	1691	2884
8012 OSCEOLA	1505	1665	3169
8013 SHASTA	1599	1781	3380
8014 ALICE	1426	1371	2797
8015 WHITE DUTCH	1371	1655	3026
8016 CRISTAL	1525	1899	3424
Harv means	1490	1575	3065
CV %	23.0	13.5	13.1
LSD (5%)	414.0	257.3	487.0
