

ONTARIO FORAGE CROP INVESTIGATIONS



1994 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

1994 REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

Compiled by: Harvey Wright

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Conducted co-operatively by:

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

This is the 1994 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Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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, 1995

VARIETIES RECOMMENDED FOR ONTARIO IN THE FORAGE BROCHURE

Advance	Crown	Magnum	532
Algonquin	Crown II	Magnum Plus	5364
AlfaLeaf	Crusader	Majestic	630
Alouette	DK 122	MultiChoice	Resistar
Ambassador	DK 125	Multiplier	Saranac
Anchor	DK 133	Noble	Shield
Angus	Echo	OAC Minto	Spectrum
Apica	Encore	Olinda	Starmaster
Apollo II	Guardsmen	Oneida VR	Sure
Apollo Supreme	G2833	Pickseed 8920 MF	Surpass
Armor	G2841	Pinnacle	Thunder
Arrow	G2852	120	Tomahawk
Asset	Horizon	20-20	Trident II
Centurion	Impact	2980	Ultra
Champion	Incentive	5246	Verta +
Chief	Iroquois	526	Viking I
Class	Legend	5262	WAMPR
Comsel	Legend 2	5311	WL 333

VARIETIES RECOMMENDED FOR THE FIRST TIME IN THE FORAGE BROCHURE

<u>New Varieties</u>	<u>Designation in Trials</u>	<u>Code # in Trials</u>	<u>Entry Year</u>
Asset alfalfa	655	1130	1988
DK 133 alfalfa	VS 904	1237	1991
Guardsmen alfalfa	NY 8829	1232	1991
MultiChoice alfalfa	UN 74	1246	1991
Viking I alfalfa	90792	1250	1991
2980 alfalfa	635	1129	1988
5312 alfalfa	YAE 11	1298	1992

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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>
1104	LSC725	Seed Link	To be re-entered in test	
1119	B852	Pickseed	Drop at company's request	
1127	627	Nemec	Support for reg., defer (3)	7
1141	LSC 845	Landis	Support for reg., defer (4)	8
1142	LSC 846	Landis	Support for reg., defer (4)	7

1989 ENTRIES

1176	XAL 72 (5472)	Pioneer	Drop at company's request	
1177	XAL 73 (5373)	Pioneer	Drop at company's request	

1990 ENTRIES

1190	YAM91	Pioneer	Support for reg., defer (3)	11
1199	VS 834 (Zenith)	Vista Canada	Support for reg., defer (3)	10
1209	AP 8832	Pickseed	Support for reg., defer (3)	14
1210	90-1	Pickseed	Drop at company's request	
1225	Webfoot	J. McInerney	No support 94, re-examine 95	12

1991 ENTRIES

1228	PS 90-3	Pickseed	Support for reg., defer (1)	11
1229	PS 90-4	Pickseed	No support 94, testing completed	12
1230	PS 90-5	Pickseed	Support for reg., defer (1)	8
1231	AP 9031	Pickseed	No support 94, testing completed	10
1232	NY 8829 (Guardsman)	Quality Seeds	Recommended, named Guardsman	10
1233	PS 90-6	Pickseed	(Persistent Trial)	0
1234	AP 9016	Oseco	No support 94, testing completd	11
1235	ABI 9015	Oseco	No support 94, testing completed	12
1236	A 9004	UCO	No support 94, testing completed	12
1237	VS 904 (DK 133)	Nemec	Recommended, named DK 133	10
1238	VS 907	Nemec	Drop at company's request	10
1239	VS 920	Nemec	No support 94, testing completed	16
1240	VS 932	Nemec	No support 94, testing completed	15
1241	VS 943	Nemec	No support 94, testing completed	15
1242	86-136	Thompson	No support 94, testing completed	11
1243	MS-90 (Web MPR)	McInerney	(Persistent Trial)	0
1244	GH 777	First Line	Support for reg., defer (1)	10
1245	UN 72	Dawson	No support 94, testing completed	9
1246	UN 74	Dawson	Recommended, named MultiChoice	9
1247	89-126	Speare	No support 94, testing completed	11
1248	87-135	Speare	Support for reg., defer (1)	8
1249	90791	Northrup King	Support for reg., defer (2)	12
1250	90792 (Viking 1)	Northrup King	Recommended, named Viking 1	18

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1251	NK 91-1	Northrup King	No support 94, testing completed	15
1252	NK 91-2	Northrup King	Support for reg., defer (2)	15
1253	89-31	King Agro	No support 94, testing completed	11
1254	89-30	King Agro	No support 94, testing completed	12
1255	GG92/PHS9	Norcan	No support 94, testing completed	12
1256	GARST 645	Garst	No support 94, testing completed	8
1258	XAM 93 (5252)	Pioneer	Drop at company's request	15
1259	YAL 07	Pioneer	No support 94, testing completed	17
1260	YAE 05 (5151)	Pioneer	(Persistent Trial) Reg. (Alberta)	0
1261	83CF042	Pioneer	(Persistent Trial)	0
1262	AS-D	UCO	No support 94, testing completed	9
1263	AS-G	UCO	No support 94, testing completed	12
1264	90788	Northrup King	(Persistent Trial)	0
1265	SL9117	Seed Link	Support 94, defer (1)	11
1266	SL9118	Seed Link	No support 94, testing completed	12
1267	Beaver	OFCC (Check)	(Persistent Trial)	0
1268	Spreader II	OFCC (Check)	(Persistent Trial)	0

1992 ENTRIES

1269	90-135	Speare		10
1270	T9139	Thompson		11
1271	A8911	UCO	Support for reg., defer (1)	12
1272	A9008	UCO	Support for reg., defer (1)	11
1273	A9102	UCO		10
1274	VS 9012	Nemec		9
1275	VS 9034	Nemec	Support for reg., defer (1)	12
1276	VS 9036 (GH 787)	Nemec	Support for reg., defer (1)	11
1277	VS 9050	Nemec		12
1278	91211 (2J11, Dividend)	NK	No support 94, re-examine 95	16
1279	91315 (3J15, Legen Dairy)	NK	No support 94, re-examine 95	16
1280	91800	NK	No support 94, re-examine 95	16
1281	8814	Szego		12
1282	8830	Szego		11
1283	Dominator	Oseco		12
1284	ABI 9138C	Oseco		10
1285	2J01	Speare		10
1286	2J02	Bison		11
1287	4J19	Bison		14
1288	C-3110	Coop Federee	No support 94, re-examine 95	12
1289	SL 9206	Seed Link		11
1290	SL 9207	Seed Link		10
1291	92-20	Pickseed	Support for reg., defer (1)	13
1292	Alfagraze	Pickseed	No support 94, re-examine 95	16
1293	Cimarron VR	Brett-Young		11
1294	ABI 9129C	Brett-Young		10

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1295	Crystal	Heritage	Duplicate entry. See Code 1206, MBS-2821	21
1296	Exp9047	Heritage		11
1297	XAL 06	Pioneer		23
1298	YAE 11	Pioneer	Recommended, named 5312	-

1993 ENTRIES

1300	ABI9146	Oseco		3
1301	ABI9227	Oseco		3
1302	90-125HQ	Oseco		3
1303	91795	Northrup King		7
1304	91804	Northrup King		5
1305	92809	Northrup King		7
1306	2J08	Bison		7
1307	2J90	Bison		5
1308	3J04	Bison		5
1309	4J03	Bison		5
1310	4J14	Bison		5
1311	PS 93-11	Pickseed		7
1312	PS 93-17	Pickseed		7
1313	PS 92-2ML	Pickseed		7
1314	PS 91-1	Pickseed		5
1315	PS 93-15	Pickseed		7
1316	UGG-430	United Grain Growers (UGG)		3
1317	UGG-450	UGG		3
1318	CW-1312	Nemec		5
1319	CW-1404	Nemec		5
1320	CW-1434	Nemec		3
1321	90-124	King Agro		3
1322	91-12	King Agro		5
1323	ABI 9145	Hyland		3
1324	LSC907	Seed Link		3
1325	LSC9101	Seed Link		3
1326	A 8910	UCO		3
1327	A 9108	UCO		3
1328	4J10	UCO		3
1329	AS-K94	UCO		3

1994 ENTRIES

1330	Evolution	Mycogen		0
1331	3B37	Dekalb		0
1332	FG2B08	Bison		0
1333	FG3B16	Bison		0
1334	FG3B19	Bison		0
1335	FG3B21	Bison		0
1336	FG3B27	Bison		0
1337	C-3236	Coop Federee		0

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years Of Yield Data</u>
1338	3B29	OSECO		0
1339	ABI-9236	OSECO		0
1340	ABI-923AA	OSECO		0
1341	Total	Mapleseed		0
1342	PS94-01	Pickseed		0
1343	PS94-02	Pickseed		0
1344	PS94-03	Pickseed		0
1345	PS94-04	Pickseed		0
1346	PS94-05	Pickseed		0
1347	dropped			0
1348	Multi-Gem	Zuelzer		0
1349	PSC 10939	Zuelzer		0
1350	PSC 10238	Zuelzer		0
1351	PSC 10235	Zuelzer		0
1352	90-119	Speare		0
1353	92-132	Speare		0
1354	4J12	Cargill		0
1355	CW1005	Nemec		0
1356	CW1351	Nemec		0
1357	CW1436	Nemec		0
1358	CW2040	Nemec		0
1359	CW2043	Nemec		0
1360	Magnum III- Wet	Seed Link		0
1361	DS9410	Seed Link		0
1362	MagnaGraze	Seed Link		0
1363	91W04PR1	Pioneer		0
1364	92W02PM1	Pioneer		0
1365	Rushmore (4J16)	Northrup King		0
1366	Green Field	UGG		0
1367	616	UGG		0
1368	UGG510	UGG		0
1369	UGG520	UGG		0
1370	UGG530	UGG		0
1371	E871	Mapleseed		0
1372	A9010	UCO		0
1373	A9107	UCO		0
1374	ABI9234	Renk		0

Alfalfa registration trial A, seeded 1991,
harvested 1994, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4899	2937	2076	9912
1074 ARROW	4911	2901	2200	10012
1228 PS90-3	5179	3096	2222	10497
1230 PS90-5	5100	2913	2261	10273
1231 AP9031	4893	2647	2040	9580
1232 GUARDSMAN	5086	3017	2276	10379
1237 DK-133	4755	2587	1881	9223
1238 ACHIEVA	5057	2552	1896	9505
1244 GH777	4843	2891	2190	9925
1245 UN72	4663	2446	2005	9114
1246 UN74	5170	2910	2185	10265
1248 87-135	5249	3073	2335	10657
1249 90791	5478	3029	2356	10864
1251 NK91-1	4842	2507	1806	9155
1252 NK91-2	5181	2847	2222	10250
1256 GARST 645	4987	3165	2236	10388
1258 5252	4915	2721	2212	9848
1262 AS-D	4946	2160	1569	8675
9002 _120	5207	2856	1983	10047
Harv means	5019	2803	2103	9925
CV %	6.8	7.6	8.9	5.4
LSD (5%)	407.5	253.7	221.8	641.8

Alfalfa registration trial B, seeded 1991,
harvested 1994, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4478	2373	2015	8866
1074 ARROW	4436	2730	2339	9505
1229 PS90-4	4276	2038	1811	8125
1234 AP9016	4420	2619	2308	9347
1235 ABI9015	4711	2584	2061	9356
1236 A9004	4323	2549	2253	9124
1239 BOLT ML	4051	2091	1866	8007
1240 VS-932	3797	1857	1654	7307
1241 VS-943	4214	2375	1967	8556
1242 86-136	4550	2508	2248	9307
1247 GH755	4370	2555	2348	9273
1250 VIKING 1	4042	2203	2041	8286
1253 WL-323	4772	2655	2285	9713
1254 89-30	4740	2532	2232	9504
1257 dropped	4471	1748	1343	7561
1259 YAL07	4871	2599	2241	9711
1263 AS-G	4306	2209	2040	8555
1265 DS 9117	4907	2704	2475	10085
1266 DS 9118	4607	2582	2114	9304
9002 _120	4662	2631	2177	9469
Harv means	4450	2407	2091	8948
CV %	11.0	11.6	11.5	9.8
LSD (5%)	584.8	331.6	285.3	1040.9

Alfalfa registration trial C, seeded 1991,
harvested 1994, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4618	2625	1920	9162
1074 ARROW	5046	2985	2301	10332
1189 5333	4595	2568	1832	8995
1192 WL 333	4444	2783	2105	9333
1194 FLAGSHIP 75	4572	2399	1795	8765
1197 JEWEL	4477	2641	1839	8957
1198 ALFALEAF	4350	2663	2007	9019
1199 ZENITH	4708	2896	2172	9776
1205 A8925	4981	3250	2531	10762
1206 CRYSTAL	4408	2635	1877	8920
1207 MBS-6041	4345	2733	2177	9256
1208 ECLIPSE	4991	2662	2124	9777
1211 CLASS	4962	2686	2126	9774
1214 DS 9011	4782	3122	2300	10204
1215 8623B	5178	3180	2383	10741
1218 AP8842	4972	3267	2480	10719
1219 WL86-14	4598	2662	2113	9372
1220 86-124	4799	2858	2277	9934
1221 85-5	4442	2971	2178	9590
1222 8638C	4649	2828	2200	9677
1223 8713A	4581	2613	2074	9268
1226 P1859	4463	2715	2075	9253
9002 _120	4786	2946	2005	9737
Harv means	4685	2812	2126	9623
CV %	8.1	11.1	13.4	9.1
LSD (5%)	449.0	370.4	337.3	1032.6

Alfalfa registration trial D, seeded 1991,
harvested 1994, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4762	2762	2151	9675
1074 ARROW	5487	2685	2139	10311
1131 CROWN II	5359	2725	2245	10329
1163 PICK..8920MF	5559	2684	2126	10369
1191 5246	5383	2943	2286	10612
1193 87777	4890	2443	2038	9370
1195 LEGEND 2	5043	2769	2214	10026
1196 ENCORE	4940	2412	1993	9345
1200 AF 31	5182	2825	2328	10336
1201 WL 322 HQ	5050	2527	2093	9671
1202 DS 9012	5582	3168	2371	11121
1203 DS 9013	5064	2762	2358	10184
1209 AP8832	5072	2746	2166	9983
1210 90-1	5411	2911	2217	10540
1212 TRIDENT II	5084	2731	2276	10091
1213 DS 9010	5251	3027	2305	10584
1216 86-15	5193	2771	2295	10258
1217 CUMBO	4958	2479	2151	9588
1224 dropped	5421	2730	2034	10185
1227 B2186	4738	2864	2298	9900
1255 GG92/PHS9	4862	2149	1687	8699
9002 _120	5195	2526	1862	9584
Harv means	5158	2711	2165	10035
CV %	6.0	8.4	9.2	5.2
LSD (5%)	367.2	270.3	234.7	620.1

Alfalfa registration trial A, seeded 1992,
harvested 1994, Ridgetown

<u>Mean Yield (kg/ha)</u>				
Cultivar		Cut 1	Cut 2	Total
1001	SARANAC	7887	4253	12140
1074	ARROW	7308	5421	12729
1252	NK91-2	8521	5809	14330
1255	GG92/PHS9	6763	5048	11811
1269	ATTAINER	8383	5027	13409
1273	A9102	8431	5787	14218
1274	ULTRALEAF 87	7828	5703	13531
1278	DIVIDEND	7390	5319	12709
1279	LEGENDAIRY	6669	5456	12125
1280	91800	7247	5390	12637
1284	ABI 9138C	7384	5299	12683
1285	2J01	8088	5769	13857
1288	C-3110	7075	5800	12875
1290	SL 9207	8996	5570	14566
1291	92-20	7704	5760	13464
1294	ABI 9129C	7557	5905	13462
1297	5454	8287	5674	13961
9002	_120	9610	5826	15436
Harv means		7840	5490	13330
CV %		7.5	7.5	4.7
LSD (5%)		698.5	490.0	739.5

Alfalfa registration trial A, seeded 1992,
harvested 1994, Ottawa

VARIETY	CODE	MEAN YIELD (kg/ha)			
		CUT1	CUT2	CUT3	TOTAL
ARROW	1074	5162	3515	3319	11996
120	9002	5342	3563	3306	12211
SARANAC	1001	5815	3535	3536	12886
NK91-2	1252	5296	3867	3507	12669
GG92/PHS9	1255	5260	3591	3131	11981
90-135	1269	4798	3204	3358	11359
A9102	1273	5270	3778	3540	12588
VS 9012	1274	5403	3695	3741	12839
91211	1278	5203	3998	3224	12426
91315	1279	5511	3750	3029	12290
91800	1280	5080	3550	3496	12126
ABI 9138C	1284	5183	3370	3227	11779
2J01	1285	5219	4046	3294	12559
C-3110	1288	5234	3729	3198	12161
SL 9207	1290	5357	3356	3225	11938
92-20	1291	5732	3619	3701	13052
ABI 9129C	1294	5260	3605	3560	12424
XAL 06	1297	5147	3598	3359	12103
GRAND MEAN		5293	3631	3375	12299
CV		5.3	7.3	6.7	3.7

Alfalfa registration trial B, seeded 1992,
harvested 1994, Ridgetown

<u>Mean Yield (kg/ha)</u>				
Cultivar	Cut 1	Cut 2	Total	
1001 SARANAC	8855	4216	13071	
1074 ARROW	9175	4827	14002	
1270 ABI 9139	9536	4810	14346	
1271 A8911	9757	4834	14591	
1272 A9008	9842	4785	14627	
1275 VS 9034	9335	5104	14439	
1276 GH787	9728	4815	14543	
1277 VS 9050	9299	4732	14031	
1281 NY8814	9667	4660	14327	
1282 NY8830	8986	4512	13498	
1283 DOMINATOR	8288	4534	12822	
1286 2J02	8669	4574	13243	
1287 4J19	7830	4468	12297	
1289 SL 9206	8653	4640	13293	
1292 ALFAGRAZE	9404	3996	13400	
1293 CIMARRON VR	8799	4637	13436	
1206 CRYSTAL	10122	5050	15172	
1296 EXP9047	9334	4849	14182	
1298 5312	10285	4916	15201	
9002 _120	9353	4513	13866	
Harv means	9246	4674	13919	
CV %	10.1	8.2	8.7	
LSD (5%)	1300.1	528.7	1670.1	

Alfalfa registration trial B, seeded 1992,
harvested 1994, Ottawa

VARIETY	CODE	MEAN YIELD (kg/ha)			
		CUT1	CUT2	CUT3	TOTAL
ARROW	1074	5305	3493	3434	12231
120	9002	5361	3733	3663	12756
SARANAC	1001	5727	3772	3510	13009
ABI 9139	1270	5208	3971	3795	12974
A8911	1271	5895	3772	3949	13616
A9008	1272	6038	3719	3667	13424
VS 9034	1275	5656	3872	4023	13550
VS 9036	1276	5758	3672	3822	13252
VS 9050	1277	5849	3746	3715	13310
NY8814	1281	5473	3520	3567	12559
NY8830	1282	5829	3673	3788	13290
DOMINATOR	1283	5676	3281	3621	12578
2J02	1286	5340	3553	3480	12373
4J19	1287	4994	3507	3485	11986
SL 9206	1289	5544	3513	3547	12604
ALFAGRAZE	1292	5437	3347	3299	12083
CIMARRON VR	1293	5340	3453	3721	12515
CRYSTAL	1206	5646	3911	3895	13453
EXP9047	1296	5285	3726	3990	13001
YAE 11	1298	5325	3420	3714	12460
GRAND MEAN		5534	3633	3684	12851
CV		6.1	5.9	6.4	4.0

Alfalfa registration trial C, seeded 1992,
harvested 1994, Ottawa

VARIETY	CODE	MEAN YIELD (kg/ha)			
		CUT1	CUT2	CUT3	TOTAL
ARROW	1074	4747	3406	3509	11662
120	9002	5320	3637	3704	12661
SARANAC	1001	5269	3832	3738	12840
PS90-3	1228	4616	3672	3482	11769
PS90-4	1229	4925	3665	3799	12388
GUARDSMAN	1232	5239	3881	3360	12481
ABI9015	1235	4453	3546	3509	11508
A9004	1236	5700	4063	3981	13744
VS904	1237	5594	3756	4096	13445
VS920	1239	5680	3965	4116	13761
GH777	1244	5796	3902	4197	13895
UN72	1245	5188	4000	3947	13135
UN74	1246	5203	3993	3974	13171
90791	1249	5208	3637	3623	12468
90792	1250	5173	3881	3880	12935
89-30	1254	5072	3958	3563	12593
AS-D	1262	4028	3497	3482	11007
AS-G	1263	5274	4007	3731	13013
DS 9118	1266	5249	3847	4015	13111
GRAND MEAN		5144	3797	3774	12715
CV		8.5	7.2	8.9	5.8

Alfalfa registration trial C, seeded 1992,
harvested 1994, Kapuskasing

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1250 90792	3262	2212	5474
1228 PS 90-3	3144	2165	5309
1246 UN74	2932	2325	5257
1237 VS904	2933	2322	5255
1263 AS-G	2887	2151	5038
1117 5262	2895	2033	4928
1232 GUARDSMAN	2852	2069	4921
1239 VS920	2703	2125	4828
1244 GH777	2592	2156	4748
1235 ABI9015	2809	1855	4664
9002 120	2721	1939	4660
1236 A9004	2790	1862	4652
1254 89-30	2745	1834	4579
1266 DS 9118	2557	1954	4512
1074 ARROW	2609	1893	4502
1245 UN72	2610	1853	4463
1001 SARANAC	2658	1758	4416
1249 90791	2532	1839	4371
1262 AS-D	2405	1684	4089
1229 PS90-4	2235	1651	3886
Harv means	2744	1984	4728
C.V.	12.2	14.0	12.1
L.S.D. (5%)	553	461	946

Alfalfa registration trial D, seeded 1992,
harvested 1994, Kapuskasing

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1234 AP9016	3133	2021	5154
9063 CHAMPION	3131	2010	5141
1001 SARANAC	2919	2087	5006
1233 PS90-6	3068	1889	4957
1074 ARROW	2907	1959	4866
1258 5252	2814	2028	4842
1259 YAL07	2702	2007	4709
9002 120	2682	2005	4687
1248 87-135	2841	1756	4597
1253 89-31	2602	1987	4589
1230 PS90-5	2578	1966	4544
1231 AP9031	2599	1932	4531
1242 86-136	2493	1942	4435
1251 NK91-1	2511	1908	4419
1238 VS907	2519	1809	4328
1241 VS943	2551	1770	4321
1240 VS932	2526	1719	4245
1265 DS9117	2488	1755	4243
1247 89-126	2377	1764	4141
1256 GARST 645	2301	1742	4043
Harv means	2687	1903	4590
C.V.	9.8	11.5	9.0
L.S.D. (5%)	436	361	685

Alfalfa registration trial A, seeded 1993,
harvested 1994, Ridgetown

		<u>Mean Yield (kg/ha)</u>		
Cultivar		Cut 1	Cut 2	Total
1001	SARANAC	6926	5630	12555
1074	ARROW	6813	5770	12582
1278	DIVIDEND	7264	5707	12971
1279	LEGENDAIRY	6530	6006	12536
1280	91800	6160	5851	12011
1284	ABI 9138C	7223	5745	12969
1285	2J01	7021	6333	13353
1287	4J19	6555	5927	12482
1303	91795	6670	5897	12568
1305	92809	6736	5688	12424
1306	2J08	7066	5646	12712
1311	CW 1361	7373	5733	13106
1312	CW 1466	7033	6338	13371
1313	PS 92-2ML	7135	5998	13133
1315	PS 93-15	6681	5892	12572
1318	CW-1312	6495	5864	12359
1319	CW-1404	6692	5749	12440
1322	91-12	6832	5748	12581
9002	_120	7467	5666	13133
9053	CENTURION	6566	6320	12886
Harv means		6862	5875	12737
CV %		9.8	6.3	6.1
LSD (5%)		799.1	437.3	928.3

Alfalfa registration trial A, seeded 1993,
harvested 1994, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4977	2857	2777	10612
1074 ARROW	4270	2596	2638	9504
1278 DIVIDEND	4154	2847	2703	9704
1279 LEGENDAIRY	4405	2746	2820	9970
1280 91800	4052	2424	2411	8888
1284 ABI 9138C	4436	2950	2736	10122
1285 2J01	4330	2898	2704	9932
1287 4J19	4718	3012	2900	10630
1303 91795	3895	2256	2158	8309
1305 92809	4205	2529	2284	9017
1306 2J08	4401	2770	2929	10099
1311 CW 1361	5286	2771	2591	10649
1312 CW 1466	4873	2917	2857	10647
1313 PS 92-2ML	4708	2505	2367	9579
1315 PS 93-15	4628	2879	2777	10283
1318 CW-1312	4163	2740	2697	9600
1319 CW-1404	4222	2732	2738	9693
1322 91-12	4003	2456	2454	8913
9002 _120	4789	2537	2455	9780
9053 CENTURION	4647	2803	2776	10226
Harv means	4458	2711	2639	9808
CV %	9.5	7.7	9.2	6.6
LSD (5%)	504.9	247.8	287.8	768.0

Alfalfa registration trial A, seeded 1993,
harvested 1994, Ottawa

VARIETY	CODE	MEAN YIELD (kg/ha)			
		CUT1	CUT2	CUT3	TOTAL
ARROW	1074	5096	3310	3334	11739
CENTURION	9053	4908	3064	3215	11188
SARANAC	1001	4843	3148	3137	11128
91211	1278	5177	3070	3165	11413
91315	1279	4861	3304	2984	11149
91800	1280	4521	3196	3156	10873
ABI 9138C	1284	4785	3286	3273	11344
2J01	1285	5049	3250	3292	11591
4J19	1287	4809	3190	3120	11119
91795	1303	4404	2896	2948	10249
92809	1305	4908	3130	3098	11136
2J08	1306	5008	3076	3140	11224
PS 93-11	1311	5347	3358	3491	12197
PS 93-17	1312	4416	3280	3413	11109
PS 92-2ML	1313	6027	3292	3487	12806
PS 93-15	1315	5441	3202	3223	11866
CW-1312	1318	4762	3514	3395	11671
CW-1404	1319	4955	3244	3179	11378
91-12	1322	5758	3136	3169	12062
120	9002	5406	3166	3189	11761
GRAND MEAN		5024	3206	3220	11450
CV		10.9	9.1	6.0	5.8

Alfalfa registration trial A, seeded 1993,
harvested 1994, Thunder Bay

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 SARANAC	3663	3791	7454
1074 ARROW	3916	3651	7567
1278 DIVIDEND	4215	4047	8262
1279 LEGENDAIRY	4307	4092	8400
1280 91800	4401	3996	8397
1284 ABI 9138C	4031	3790	7821
1285 2J01	4281	4229	8510
1287 4J19	4931	4342	9273
1303 91795	3943	3089	7032
1305 92809	3674	3797	7472
1306 2J08	4473	4087	8560
1311 CW 1361	4272	3933	8205
1312 CW 1466	4188	3924	8112
1313 PS 92-2ML	3791	3686	7477
1315 PS 93-15	4221	3803	8024
1318 CW-1312	4371	4202	8572
1319 CW-1404	3803	3761	7564
1322 91-12	3931	4101	8032
9002 _120	4299	3666	7966
9053 CENTURION	3736	3934	7671
Harv Means	4122	3896	8018
CV %	6.9	7.9	9.0
LSD (5%)	392.8	307.2	625.2

Alfalfa registration trial A, seeded 1993,
harvested 1994, Kapuskasing

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
9002 120	3953	2739	6692
1074 ARROW	3861	2751	6612
1278 91211	4116	2447	6563
1285 2J01	3986	2574	6560
1279 91315	4060	2489	6549
1312 PS 93-17	4016	2517	6533
1318 CW-1312	3912	2620	6532
1001 SARANAC	4017	2477	6494
1306 2J08	3930	2491	6421
1287 4J19	3984	2408	6392
1284 ABI 9138C	3807	2569	6376
9053 CENTURION	3672	2642	6314
1313 PS 92-2ML	3676	2612	6288
1315 PS 93-15	3528	2689	6217
1311 PS 93-11	3565	2621	6186
1280 91800	3562	2537	6099
1322 91-12	3551	2532	6083
1319 CW-1404	3465	2509	5974
1303 91795	3336	2611	5947
1305 92809	3597	2266	5863
Harv Means	3780	2555	6335
C.V.	6.7	8.7	5.1
L.S.D. (5%)	361	313	459

Alfalfa registration trial B, seeded 1993,
harvested 1994, Elora

		Mean Yield (kg/ha)			
Cultivar		Cut 1	Cut 2	Cut 3	Total
1001	SARANAC	4924	2966	2717	10607
1074	ARROW	4466	2807	2593	9866
1300	ABI9146	4266	2877	2901	10044
1301	ABI9227	4327	2694	2896	9917
1302	90-125HQ	4542	2750	2712	10004
1304	91804	4336	2890	2910	10136
1307	2J90	4817	2944	2843	10605
1308	3J04	4464	2801	2622	9887
1309	4J03	4348	2549	2497	9394
1310	4J14	4659	2857	2759	10275
1314	PS 91-1	4638	3039	2847	10524
1316	UGG-430	4145	2882	2986	10013
1317	UGG-450	3913	2632	2720	9265
1320	CW-1434	4017	2703	2826	9546
1321	90-124	4365	2730	2670	9764
1323	ABI 9145	4655	2959	3111	10726
1324	LSC907	4784	3050	2834	10667
1325	LSC9101	4458	3004	2851	10313
1326	A 8910	4379	2633	2712	9724
1327	A 9108	4430	2235	2366	9032
1328	4J10	4424	2824	2816	10064
1329	AS-K94	4653	2827	2831	10310
9053	CENTURION	4604	2990	2860	10454
Harv means		4461	2811	2777	10049
CV %		11.2	6.7	6.3	7.1
LSD (5%)		588.5	221.7	206.7	838.8

Alfalfa registration trial B, seeded 1993,
harvested 1994, Ottawa

VARIETY	CODE	MEAN YIELD (kg/ha)			
		CUT1	CUT2	CUT3	TOTAL
ARROW	1074	4715	3192	3385	11292
CENTURION	9053	4559	3426	4029	12013
SARANAC	1001	4771	3125	3554	11449
ABI9146	1300	4465	3287	3395	11146
ABI9227	1301	4288	3397	3648	11333
90-125HQ	1302	4135	3340	3568	11043
91804	1304	4829	3340	3489	11658
2J90	1307	4468	3483	3717	11668
3J04	1308	4649	3345	3613	11606
4J03	1309	4480	3392	3914	11787
4J14	1310	4578	3512	3870	11960
PS 91-1	1314	4159	3201	3583	10943
UGG-430	1316	4429	3221	3494	11144
UGG-450	1317	3853	3387	3276	10516
CW-1434	1320	4260	3502	3712	11474
90-124	1321	4316	3292	3524	11131
ABI 9145	1323	4229	3454	3479	11162
LSC907	1324	4829	3340	3504	11672
LSC9101	1325	4488	3445	3796	11728
A 8910	1326	4724	3383	3781	11887
A 9108	1327	4759	3516	3539	11813
4J10	1328	4908	3316	3449	11673
AS-K94	1329	4441	3330	3835	11606
GRAND MEAN		4493	3357	3615	11465
CV		11.0	5.2	6.3	5.0

Alfalfa registration trial B, seeded 1993,
harvested 1994, Kapuskasing

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
9053 CENTURION	4317	3050	7367
1324 LSC907	4110	3094	7204
1323 ABI 9145	4077	2963	7040
1321 90-124	3994	2893	6887
1320 CW-1434	3965	2894	6859
1300 ABI9146	3858	2981	6839
1001 SARANAC	3849	2935	6784
1317 UGG-450	3864	2882	6746
1307 2J90	3880	2864	6744
1328 4J10	3922	2709	6631
1325 LSC9101	3597	2962	6559
1326 A 8910	3687	2868	6555
1302 90-125HQ	3796	2739	6535
1308 3J04	3599	2906	6505
1310 4J14	3731	2733	6464
1327 A 9108	3520	2921	6441
1301 ABI9227	3590	2831	6421
1309 4J03	3666	2725	6391
1329 AS-K94	3564	2809	6373
1074 ARROW	3601	2709	6310
1316 UGG-430	3565	2692	6257
1304 91804	3389	2742	6131
1314 PS 91-1	3120	2940	6060
Harv means	3750	2863	6613
C.V.	13.4	5.2	7.9
L.S.D. (5%)	713	209	736

Alfalfa registration trial C, seeded 1993,
harvested 1994, Ridgetown

<u>Mean Yield (kg/ha)</u>				
Cultivar		Cut 1	Cut 2	Total
1001	SARANAC	6513	5557	12071
1074	ARROW	7570	5594	13164
1269	ATTAINER	7734	4786	12520
1271	A8911	7394	5098	12492
1273	A9102	7133	5285	12418
1275	VS 9034	7552	4128	11680
1277	VS 9050	7370	5000	12370
1281	NY8814	6929	4358	11287
1283	DOMINATOR	7021	5031	12052
1288	C-3110	7769	4788	12557
1290	SL 9207	7392	4856	12248
1292	ALFAGRAZE	6758	4265	11023
1294	ABI 9129C	6740	4749	11490
1297	5454	7387	4346	11733
9002	_120	7554	4897	12451
Harv means		7255	4849	12104
CV %		8.0	11.0	6.4
LSD (5%)		801.5	742.2	1070.4

Alfalfa registration trial C, seeded 1993,
harvested 1994, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4904	2840	2660	10403
1074 ARROW	4032	2544	2394	8969
1269 ATTAINER	4210	2619	2456	9286
1271 A8911	4140	2619	2457	9216
1273 A9102	4497	2710	2611	9818
1275 VS 9034	4113	2506	2533	9153
1277 VS 9050	4897	2684	2361	9941
1281 NY8814	4098	2521	2503	9122
1283 DOMINATOR	4220	2623	2434	9277
1288 C-3110	4064	2738	2568	9370
1290 SL 9207	4151	2707	2570	9428
1292 ALFAGRAZE	3775	2434	2178	8388
1294 ABI 9129C	4484	2559	2521	9564
1297 5454	3988	2720	2634	9341
9002 _120	4306	2348	2259	8913
Harv means	4259	2611	2476	9346
CV %	11.2	5.9	5.9	6.3
LSD (5%)	568.5	184.8	175.1	704.6

Alfalfa registration trial C, seeded 1993,
harvested 1994, Ottawa

VARIETY	CODE	MEAN YIELD (kg/ha)			
		CUT1	CUT2	CUT3	TOTAL
ARROW	1074	4974	3361	3432	11767
SARANAC	1001	5414	3282	3383	12079
90-135	1269	5238	3463	3220	11921
A8911	1271	5410	3571	3572	12553
A9102	1273	4833	3292	3333	11458
VS 9034	1275	5854	3821	3746	13422
VS 9050	1277	6048	3703	3554	13305
NY8814	1281	5075	3350	3060	11486
DOMINATOR	1283	5731	3282	2863	11876
C-3110	1288	5639	3272	3408	12319
SL 9207	1290	5031	3414	3229	11675
ALFAGRAZE	1292	5256	3493	3126	11874
ABI 9129C	1294	5146	3410	3290	11845
XAL 06	1297	5467	3170	2750	11386
120	9002	4908	3488	3200	11596
GRAND MEAN		5335	3425	3278	12037
CV		11.0	5.9	8.8	5.7

Alfalfa registration trial C, seeded 1993,
harvested 1994, Thunder Bay

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 SARANAC	5003	5050	10053
1074 ARROW	5020	4594	9614
1269 ATTAINER	5083	4752	9836
1271 A8911	5032	4792	9825
1273 A9102	5102	4945	10047
1275 VS 9034	5406	5076	10482
1277 VS 9050	5367	4898	10265
1281 NY8814	4915	4905	9820
1283 DOMINATOR	4781	4489	9271
1288 C-3110	5539	4788	10326
1290 SL 9207	5210	4712	9922
1292 ALFAGRAZE	4817	4231	9048
1294 ABI 9129C	4931	4716	9647
1297 5454	5240	4707	9947
9002 _120	5171	4655	9826
Harv Means	5108	4754	9862
CV %	4.5	5.5	5.7
LSD (5%)	298.5	283.2	495.4

Alfalfa registration trial C, seeded 1993,
harvested 1994, Kapuskasing

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1288 C-3110	3120	2687	5807
1001 SARANAC	3111	2649	5760
1277 VS 9050	2864	2595	5459
1269 90-135	2860	2551	5411
1290 SL9207	2751	2530	5281
1271 A8911	2657	2560	5217
1074 ARROW	2633	2545	5178
9002 120	2565	2584	5149
1275 VS 9034	2493	2628	5121
1273 A9102	2527	2515	5042
1294 ABI 9129C	2586	2451	5037
1283 DOMINATOR	2455	2467	4922
1297 5454	2241	2491	4732
1281 NY8814	2293	2423	4716
1292 ALFAGRAZE	2324	2383	4707
Harv means	2632	2537	5169
C.V.	7.9 %	5.6	4.1
L.S.D. (5%)	295	204	304

Alfalfa registration trial D, seeded 1993,
harvested 1994, Elora

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
1001 SARANAC	4350	2916	2828	10094
1074 ARROW	4219	2845	2742	9806
1270 ABI 9139	4005	2918	2834	9757
1272 A9008	4124	2768	2706	9598
1274 ULTRALEAF 87	4093	2668	2784	9545
1276 GH787	4356	2833	2927	10116
1282 NY8830	4229	2792	2794	9816
1286 2J02	4306	2988	2906	10200
1289 SL 9206	4055	2736	2632	9423
1291 92-20	3928	2662	2597	9186
1293 CIMARRON VR	3775	2542	2644	8962
1296 EXP9047	4729	2898	2761	10388
1298 5312	4564	2837	2679	10080
9002 _120	4571	2589	2599	9758
Harv means	4236	2785	2745	9766
CV %	7.8	5.9	6.1	5.8
LSD (5%)	458.7	229.6	234.1	789.0

Alfalfa registration trial D, seeded 1993,
harvested 1994, Ottawa

VARIETY	CODE	MEAN YIELD (kg/ha)			
		CUT1	CUT2	CUT3	TOTAL
ARROW	1074	5055	3315	3205	11575
SARANAC	1001	4294	3164	2869	10327
ABI 9139	1270	5036	3190	3427	11653
A9008	1272	5266	3233	3216	11715
VS 9012	1274	5989	3492	3526	13007
VS 9036	1276	6905	3537	3810	14252
NY8830	1282	5169	3067	3460	11697
2J02	1286	4495	3316	3359	11169
SL 9206	1289	4765	3113	3280	11158
92-20	1291	4889	3180	3330	11400
CIMARRON VR	1293	5289	3441	3585	12314
EXP9047	1296	5798	3624	3453	12876
YAE 11	1298	5124	3248	3218	11589
120	9002	4992	3279	3099	11370
GRAND MEAN		5219	3300	3346	11864
CV		9.6	6.6	7.5	5.8

Alfalfa registration trial D, seeded 1993,
harvested 1994, Thunder Bay

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 SARANAC	5486	3239	8725
1074 ARROW	5718	3354	9072
1270 ABI 9139	5850	3370	9221
1272 A9008	5784	3214	8998
1274 ULTRALEAF 87	5966	3535	9501
1276 GH787	6346	3748	10095
1282 NY8830	5718	3387	9105
1286 2J02	5617	3385	9002
1289 SL 9206	5804	3462	9266
1291 92-20	5636	3518	9154
1293 CIMARRON VR	5989	3607	9595
1296 EXP9047	6304	3436	9740
1298 5312	5977	3314	9292
9002 _120	5966	3304	9271
Harv means	5869	3419	9288
CV %	7.8	8.1	7.5
LSD (5%)	633.9	384.2	964.9

Alfalfa registration trial D, seeded 1993,
harvested 1994, Kapuskasing

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1286 2J02	3976	2862	6838
1272 A9008	4016	2713	6729
1276 VS 9036	3806	2880	6686
1270 ABI 9139	3989	2626	6615
1289 SL9206	3949	2611	6560
1298 5312	4068	2469	6537
1296 EXP9047	3734	2739	6473
1001 SARANAC	3737	2656	6393
1074 ARROW	3557	2720	6277
9002 120	3712	2543	6255
1291 92-20	3656	2587	6243
1282 NY8830	3691	2518	6209
1293 CIMARRON VR	2697	2506	6203
1274 VS 9012	3417	2460	5877
Harv means	3786	2635	6421
C.V.	9.3	6.0	6.2
L.S.D. (5%)	504	227	572

Alfalfa registration trial E, seeded 1991,
harvested 1994, Elora

Note, only third and fourth production year data will be used
for varietal evaluation.

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 SARANAC	5751	3648	9398
1074 ARROW	6762	4352	11114
1233 PS90-6	6982	4086	11068
1243 WEBFOOT-MPR	6491	4029	10521
1260 5151	6611	3989	10601
1261 83CFO42	6529	3723	10251
1264 90788	5958	4398	10356
1267 BEAVER	6092	3754	9846
1268 SPREDOR II	6207	3631	9838
9002 _120	7499	4403	11902
9004 IROQUOIS	7089	3630	10719
9006 OAC MINTO	7564	4299	11863
Harv means	6628	3995	10623
CV %	7.8	10.0	6.7
LSD (5%)	621.2	477.9	852.1

Alfalfa registration trial E, seeded 1991,
harvested 1994, Kapuskasing

Note, only third and fourth production year data will be used
for varietal evaluation.

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1268 SPREDOR II	3129	922	4051
1233 PS90-6	2741	1300	4041
1001 SARANAC	2741	1166	3961
1260 5151	2864	1037	3901
1243 WEBFOOT MPR	2509	1105	3614
1261 83CF042	2409	1062	3471
9004 IROQUOIS	2338	985	3323
1267 BEAVER	2386	638	3024
9002 120	2157	821	2978
9006 OAC MINTO	1883	865	2748
1074 ARROW	1750	659	2409
1264 90788	1778	599	2377
Harv means	2395	930	3325
C.V.	13.4	17.8	13.8
L.S.D. (5%)	545	280	777

Alfalfa registration trial E, seeded 1992,
harvested 1994, Elora.

Note, only third and fourth production year data will be used
for varietal evaluation.

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1001 SARANAC	5544	3864	9407
1074 ARROW	6159	4639	10798
1233 PS90-6	6086	3414	9500
1243 WEBFOOT-MPR	6103	3107	9211
1260 5151	5403	3371	8774
1261 83CFO42	5605	3756	9361
1264 90788	6313	3642	9955
1267 BEAVER	5040	3496	8536
1268 SPREDOR II	5426	3341	8767
9002 _120	6596	3988	10584
9004 IROQUOIS	6087	3613	9699
9006 OAC MINTO	5875	3847	9722
Harv means	5853	3673	9526
CV %	10.5	13.7	8.4
LSD (5%)	738.6	603.4	954.9

Alfalfa registration trial E, seeded 1992,
harvested 1994, Kapuskasing

Note, only third and fourth production year data will be used
for varietal evaluation.

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
1268 SPREDOR II	4668		
1260 5151	4617		
1233 PS90-6	4519		
1001 SARANAC	4442		
1267 BEAVER	4441		
9006 OAC MINTO	4360		
1243 WEBFOOT-MPR	4326		
9004 IROQUOIS	4317		
1264 90788	4211		
1074 ARROW	4205		
9002 120	3691		
1261 83CFO42	3596		
Harv means	4283		
C.V.	11.6		
L.S.D. (5%)	713		

Northrup King Seeds Ltd.
Alfalfa Trial
London, Ontario
Seeded 1990, Harvested 1994

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
1138 Legend	3810	2175	1338	7323
1195 Legend 2	3870	2280	1310	7460
9050 Sure	3445	2183	1217	6846
9002 DK120	4005	2267	1201	7473
1074 Arrow	3290	2050	1292	6632
1193 87777	3180	2001	989	6170
1039 Excalibur	3381	2154	1224	6758
1156 MultiKing 1	3155	2064	1049	6268
1196 Encore	2940	1916	1205	6061
1001 Saranac	3390	2209	1500	7099
2 0 - 88- 186	2515	1808	833	5156
1194 88778	2708	1877	961	5545
Harv Mean	3307	2082	1177	6566
LSD (5%)	375	155	264	634
CV%	16.2	9.8	22.3	13.3

Northrup King Seeds Ltd.
Alfalfa Trial
London, Ontario
Seeded 1991, Harvested 1994

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
1249 90791	5095	2829	1786	9710
1250 90792	5150	2904	1814	9868
1252 NK91-2	4970	2943	1977	9890
1 NKEXP A	5005	2897	1901	9803
1138 Legend	5305	2877	1727	9909
1156 MultiKing 1	4560	2886	1604	9050
1001 Saranac	4560	2684	1510	8754
1074 Arrow	5100	2910	1745	9755
9002 DK120	5350	2759	1777	9886
1251 NK91-1	4085	2642	1501	8228
Harv Mean	4918	2833	1734	9486
LSD (5%)	397	176	344	593
CV%	10.5	6.8	17.6	8.2

Northrup King Seeds Ltd.
Alfalfa Trial
London, Ontario

Seeded 1992, Harvested 1994

Mean Yield (kg/Ha)				
Cultivar	Cut 1	Cut2	Cut3	TOTAL
1252 NK91-2	5650	2911	1924	10485
1 C-88-535	5520	2950	1908	10378
1250 90792	5700	2917	1949	10566
1196 Encore	5355	2754	1939	10048
1280 91800	5660	2945	1719	10324
1001 Saranac	5295	2836	1661	9792
1074 Arrow	5350	2886	1698	9934
9002 DK120	5830	2849	1744	10424
1279 91315	5540	2839	1673	10052
1278 91211	5205	2763	1681	9649
Harv Mean	5511	2865	1790	10170
LSD (5%)	385	171	178	505
CV%	8.9	5.7	10.1	6.5

Pickseed
Alfalfa Trial
Blenheim, Ontario
Seeded 1992, Harvested 1994

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
1001 SARANAC	8295	3622	2780	14697
1074 ARROW	8864	3852	3069	15784
9002 120	7690	3555	3114	14359
1 A1	7391	3537	3252	14180
2 A2	7996	3199	3060	14255
3 A3	8619	3736	3113	15469
4 A4	8476	3274	3075	14824
5 B1	7466	3582	3189	14236
6 B2	7495	3393	3158	14096
7 B3	8988	3707	3074	15764
8 B4	8847	3421	3091	15359
1278 DIVIDEND	7265	3545	3187	13996
1279 LEGENDAIRY	7953	4020	2963	14936
1287 4J19	7833	3643	3027	14502
1288 C3110	8129	3546	2905	14580
1291 AP9137C	8330	3357	3082	14770
1292 ALFAGRAZE	8015	3585	3202	14801
1228 90-3	8518	3403	3010	14931
1233 90-6	8322	3320	2861	14503
1055 ADVANCE	8607	3577	3145	15329
9041 ONEIDA VR	8387	3689	3342	15418
1112 APOLLO SUPR	7786	3232	9043	14059
1163 PS 8920MF	8223	3747	3249	15219
11 ASQ	7934	3496	3242	14672
12 ASML5	8498	3568	3200	15267
9055 5311	8288	3322	3004	14614
1117 5262	8759	3693	2981	15382
1114 5364	8172	3448	3139	14759
1231 API 9031	7919	3412	3162	14492
1210 PS 90-1	8577	3461	3271	15309
1211 PS90-2	8200	3085	3213	14498
1096 HORIZON	7461	3514	3375	14349
Harv Means	9.8	8.8	9.2	6.1
C.V.	1127.7	336.2	400.7	1260.8
L.S.D. (5%)	1274	316	358	1458

Pioneer Hi-Bred alfalfa registration trial, seeded 1992,
harvested 1994, Tavistock

CULTIVAR	Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
3 90W3PR1	8512	6194	4962	19656
6 90W2CR2	8019	6350	4816	19186
10 91W06PR1	8266	6059	4592	18928
9002 DK120	8534	5947	4088	18570
1 90I5CR2	8422	5779	4323	18514
1117 5262	8378	5779	4222	18390
21 90N4SR1	7750	5667	4928	18346
1176 5472	7784	5846	4659	18290
20 91I01PV1	7986	5869	4402	18256
18 90SY6V2	7728	6126	4402	18256
1297 5454	7795	5902	4446	18144
1114 5364	7728	5947	4413	18088
2 91I02PR1	7717	5802	4547	18077
1298 5312	7694	5958	4334	17987
25 91N03SR1	7515	5958	4480	17965
16 91W05PV1	7986	5723	4189	17898
28 91N02SR1	8243	5421	4222	17886
9055 5311	7851	5522	4491	17875
9 91I03PR1	7795	5533	4469	17797
5 YAL12X	7862	5757	4155	17774
1191 5246	7896	5835	4043	17763
23 91P01PR1	7706	5790	3965	17461
12 90W7SR1	7459	5690	4301	17450
1074 ARROW	7459	5701	4267	17427
1363 91W04PR1	7683	5398	4267	17349
22 91N01CR2	7515	5566	4245	17326
1138 LEGEND	7571	5443	4278	17304
37 90P6SR1	7448	5589	4144	17170
14 91I04SR1	7672	5331	4133	17147
8 90W4PV1	7347	5611	4133	17091
1259 YAL07X	7448	5499	4077	17013
24 91N05SR1	7269	5690	4043	16990
39 555	7448	5387	4144	16979
32 91C01PR1	7235	5365	4346	16946
1177 5373	7291	5566	4010	16867
7 90P5SR1	7190	5174	4491	16856
11 90W5PV1	7448	5443	3965	16856
4 91P03PV1	7661	5107	4054	16822
30 91C02PR1	7482	5342	3931	16755
36 90W6PR1	7123	5622	3987	16733
35 90I6SR2	7190	5410	4133	16722
9012 VERNAL	7672	5566	3338	16576
1258 5252	7370	5118	3987	16475
19 91W02PV1	7448	5062	3976	16475
31 90P7CV2	7034	5342	4066	16453
33 91N06PR1	6899	5331	4200	16430
1088 5432	7134	5242	3998	16374

38 91P02PR1	6675	5331	4312	16330
27 91W07PV1	7011	5510	3808	16330
1189 5333	7134	5320	3853	16307
29 91W01PR1	7280	5096	3696	16061
17 91W03PV1	7022	5230	3707	15960
34 91N04SR1	6776	5074	4099	15960
13 EUROPE	7179	4928	3808	15915
1001 SARANAC	6395	5499	3875	15758
26 90N1CV2	6664	4704	3427	14795
Mean	7526	5555	4189	17270
LSD	1017.0	753.8	569.0	1945.4
CV %	8.3	8.3	8.3	6.9

Northrup King Seeds Ltd.
Alfalfa Trial
Wroxeter, Ontario
Seeded 1993, Harvested 1994

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	TOTAL
1001 Saranac	3969	1191	5160
9053 Centurion	3806	1095	4901
9002 DK120	3835	1046	4881
1074 Arrow	3531	1017	4548
1195 Legend 2	3694	1010	4704
1310 4J14	3800	1206	5006
1 919MF	3906	1078	4984
1304 91804	3708	1098	4806
1280 91800	3781	1211	4992
1307 2J90	3729	1161	4890
1309 4J03	3700	958	4658
1306 2J08	3885	1123	5008
2 92807	3680	1195	4875
1305 92809	3604	1158	4762
1308 3J04	3774	1049	4823
1303 91795	3313	1002	4315
1267 Beaver	3559	769	4328
Harv Mean	3722	1080	4802
LSD (5%)	263	194	373
CV%	9.6	19.3	10.9

Northrup King Seeds Ltd.
Alfalfa Trial
London, Ontario
Seeded 1993, Harvested 1994

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
1001 Saranac	4455	2241	1140	7836
9053 Centurion	4436	2195	1127	7758
9002 DK120	4677	2036	952	7665
1074 Arrow	4344	2156	1090	7590
1195 Legend 2	4260	2229	1072	7560
1320 4J14	4134	2192	1166	7492
1 919MF	4245	2176	1031	7452
1304 91804	4000	2255	1120	7375
1280 91800	4135	2136	1016	7287
1307 2J90	4213	2123	913	7249
1309 4J03	3897	2072	1116	7085
1306 2J08	4133	2040	906	7079
2 92807	3881	2099	1081	7061
1305 92809	3915	2022	973	6910
1308 3J04	3720	2057	947	6724
1303 91795	3930	1873	860	6663
1267 Beaver	3639	1623	625	5887
Harv Mean	4118	2090	1008	7216
LSD (5%)	316	150	149	419
CV%	11.6	9.7	17.4	10.0

Pickseed Alfalfa Trial, seeded 1993,
harvested 1994 ,Ayr

MEAN YIELD (kg/ha)				
CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
9053 CENTURION	7930		1803	9733
1001 SARANAC	8971		1987	10958
1074 ARROW	7304		1703	9008
9002 120	8851		1815	10667
1 CW 1226	7574		1916	9490
2 CW1235	8809		1788	10597
1311 CW1361	8656		1885	10541
3 CW1437	8793		2206	10999
4 CW1349	8454		1727	10181
5 CW1321	7303		1585	8888
CW1466	9152		1962	11114
CW1469	7261		1832	9093
CW2056	7987		1886	9873
CW2060	8240		2051	10291
CW2029	7745		1841	9586
CW2040	8285		2138	10423
ABI 9149	8191		2078	10269
9137C	7664		1781	9446
PS 91-1	7838		1943	9782
PS92-2ML	7783		1649	9432
PS93-17	8106		1878	9984
PS93-11	8415		1852	10266
PS93-15	7689		1791	9480
CLASS	8246		1951	10196
PICKSEED 8920MF	8260		1786	10046
PS 92-1	7875		1787	9662
LEGEND	8781		1559	10340
ALFAGRAZE S	8413		1509	9922
ALFAGRAZE	7896		1905	9802
ADVANCE	8222		2056	10277
HARVEST MEANS	8157		1855	10012
CV	9.3		10.4	8.3
lsd,05	1062		272	1162

Pickseed Alfalfa Trial, seeded 1993, harvested 1994, Elmira

CULTIVAR	MEAN YIELD (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
CENTURION	5240	3602	982	9824
SARANAC	5503	3588	1167	10258
ARROW	5516	3946	1079	10541
120	5539	3738	876	10153
CW 1226	5609	3863	1064	10537
CW1235	5579	3766	1279	10624
CW1361	5586	3265	1012	9864
CW1437	5607	3844	1157	10609
CW1349	4935	3533	937	9405
CW1321	5452	3838	1054	10345
CW1466	5562	4059	1095	10716
CW1469	5455	3852	1089	10395
CW2056	4999	3501	1133	9633
CW2060	5439	4151	1407	10997
CW2029	4824	3762	1023	9609
CW2040	5868	3830	1291	10989
ABI 9149	5059	3821	996	9876
9137C	4817	3667	1122	9605
PS 91-1	5343	3914	1100	10357
PS92-2ML	4919	3634	1126	9679
PS93-17	5847	3926	1119	10892
PS93-11	5557	3818	1113	10488
PS93-15	5182	3568	1265	10014
CLASS	5187	3464	913	9563
PICKSEED 8920MF	5735	3819	1130	10685
PS 92-1	5925	3787	1181	10893
LEGEND	5354	3560	1070	9984
ALFAGRAZE S	5957	3927	902	10785
ALFAGRAZE	5478	3615	866	9959
ADVANCE	6033	4081	1362	11476
HARVEST MEANS	5437	3758	1097	10292
CV	14.1	11.2	16.7	11.7
1sd,05	1074	591	257	1698
DATE	34509	34550	34572	

Pioneer Hi-Bred alfalfa registration trial, seeded 1993,
harvested 1994, Tavistock

Entry	Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
40 92N03CL2	6518	5746	3942	16206
46 92N02CL2	6619	5566	4010	16195
62 91W02PV1	7336	5275	3562	16173
1298 5312	6798	5533	3573	15904
1117 5262	6619	5522	3718	15859
17 91W03PV1	6608	5443	3786	15837
2 91I02PR1	6698	5242	3830	15770
16 91W05PV1	6608	5510	3629	15736
60 92P04PL1	6530	5600	3595	15725
24 91N05SR1	6093	5757	3797	15646
47 92D02CL2	6216	5634	3741	15590
39 555	6283	5208	3976	15467
9002 DK120	6227	5600	3629	15456
5 YAL12X	6630	5230	3562	15411
20 91I01PV1	6328	5253	3763	15333
1363 91W04PR1	6059	5342	3830	15243
48 92N05PL1	5947	5387	3909	15232
44 92P01CM2	6317	5242	3662	15221
54 92P03PM1	6048	5510	3651	15210
64 92P02PM1	6182	5309	3696	15176
1114 5364	6205	5309	3674	15176
1176 5472	5824	5443	3909	15176
9 91I03PR1	6070	5578	3528	15176
23 91P01PR1	6149	5309	3674	15131
1364 92W02PM1	6014	5622	3450	15086
1297 5454	6003	5421	3651	15075
4 91P03PV1	6216	5242	3584	15042
65 92N04PL1	5779	5421	3842	15030
10 91W06PR1	5947	5342	3674	14963
1177 5373	6093	5488	3315	14896
1191 5246	6395	5051	3438	14874
1074 ARROW	5925	5354	3595	14874
61 92W04PM1	5813	5768	3248	14829
41 92N01CL2	5779	5331	3674	14795
45 92W07CL2	5981	5152	3651	14773
34 91N04SR1	5846	5208	3718	14762
9012 VERNAL	6373	5074	3304	14750
52 92D01CL2	5701	5421	3629	14750
51 92W03PE1	5779	5331	3606	14717
9055 5311	6384	4917	3405	14694
58 92I03PM1	6014	5163	3461	14627
1189 5333	5824	5354	3427	14605
14 91I04SR1	5690	5275	3595	14560
43 92W06CL2	5712	5163	3651	14515
57 92I02CL2	5746	5253	3483	14482
59 91P04PS1	5779	5197	3472	14437
9053 CENTURION	5734	5208	3483	14426

55 92I01CM2	6115	5085	3214	14414
49 92W01PM1	5757	5242	3427	14414
1195 LEGEND 2	5779	5085	3494	14358
63 92D04CM1	5802	5029	3528	14358
1001 SARANAC	5701	5219	3427	14347
28 91N02SR1	5835	5040	3338	14213
53 92W05PE1	6194	4939	3069	14202
56 92I04PM1	5891	5029	3270	14202
38 91P02PR1	5275	5107	3573	13955
1163 8920MF	5768	4771	3394	13922
33 91N06PR1	5275	4894	3472	13642
42 92D03CM1	5970	4166	3427	13563
1258 5252	5690	4614	2946	13238
Mean	6070	5275	3573	14918
LSD	916.2	734.7	515.2	1615.0
CV %	9.2	8.5	8.8	6.6

Pioneer Hi-Bred alfalfa registration trial, seeded 1993,
harvested 1994, Chatham

CULTIVAR	Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
5 YAL12X	10326	4626	3461	18413
40 92N03CL2	9442	4906	3506	17853
24 91N05SR1	9699	4704	3416	17819
41 92N01CL2	9218	4917	3416	17539
42 92D03CM1	9173	4760	3461	17405
9002 DK120	9296	4760	3248	17293
1191 5246	9509	4446	3170	17125
43 92W06CL2	8714	4749	3662	17125
44 92P01CM2	8904	4738	3214	16856
2 91I02PR1	9061	4603	3158	16834
45 92W07CL2	8590	4670	3528	16789
46 92N02CL2	8893	4581	3304	16778
1298 5312	8971	4861	2934	16766
1195 LEGEND 2	9206	4267	3282	16755
1163 8920MF	9352	3976	3315	16643
9053 CENTURION	8781	4592	3226	16587
47 92D02CL2	8478	4637	3461	16565
16 91W05PV1	8702	4648	3203	16554
20 91I01PV1	9117	4357	3080	16542
48 92N05PL	8299	4670	3550	16531
4 91P03PV1	9094	4312	3035	16442
49 92W01PM1	8926	4256	3248	16442
1177 5373	8814	4480	3091	16386
38 91P02PR1	8658	4469	3226	16341
1364 92W02PM1	8523	4637	3102	16251
1363 91W04PR1	8680	4469	3091	16240
1297 5454	8310	4670	3259	16240
34 91N04SR1	8030	4805	3382	16218
1114 5364	8747	4469	3002	16218
1001 SARANAC	8870	4256	3080	16206
1117 5262	8568	4514	3114	16206
51 92W03PE1	8523	4502	3170	16195
52 92D01CL2	8154	4794	3214	16162
14 91I04SR1	8590	4334	3114	16038
17 91W03PV1	8344	4469	3214	16027
10 91W06PR1	8534	4312	3147	15982
1074 ARROW	8534	4312	3147	15982
53 92W05PE1	8411	4525	3013	15949
54 92P03PM1	8523	4346	3046	15926
9 91I03PR1	8299	4424	3147	15870
23 91P01PR1	8310	4413	3125	15848
9055 5311	8613	4166	3035	15826
55 92I01CM2	8109	4670	3035	15814
56 92I04PM1	8534	4256	3002	15792
57 92I02CL2	8266	4312	3181	15747
58 92I03PM1	8378	4323	2957	15658
59 91P04PS1	7974	4402	3248	15613

33 91N06PR1	8120	4301	3147	15568
60 92P04PL1	8355	4043	3136	15534
61 92W04PM1	8478	4021	3002	15501
62 91W02PV1	8277	4133	2968	15389
63 92D04CM1	8019	4301	3058	15378
1176 5472	7941	4323	3080	15344
1189 5333	8389	4043	2912	15344
1258 5252	8142	4066	3080	15288
28 91N02SR1	8075	4278	2867	15232
39 555	7941	4122	3147	15210
64 92P02PM1	8019	3942	3147	15109
9012 VERNAL	8333	3864	2890	15086
65 92N04PL1	7739	4122	3214	15075
Mean	8613	4435	3181	16229
LSD	1083.0	579.0	408.8	1473.9
CV %	8.9	9.2	9.2	6.4

Northrup King Seeds Ltd.
Alfalfa Trial
Wroxeter, Ontario
Seeded 1991, Harvested 1994
2 CUT TRIAL

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

Cultivar	Mean Yield (kg/Ha)		
	Cut 1	Cut2	TOTAL
3 EXP C	3956	2194	6150
1074 Arrow	3108	2156	5264
9002 DK120	3525	2232	5757
1264 90788	3361	1788	5149
2 EXP B	3537	2325	5862
1001 Saranac	2791	1814	4605
1268 Spredor 2	3263	1935	5198
1 Heinrichs	2991	1815	4806
1267 Beaver	2667	1789	4456
Harv Mean	3244	2005	5250
LSD (5%)	430	300	612
CV%	16.4	17.2	14.8

Northrup King Seeds Ltd.
Alfalfa Trial
London, Ontario
Seeded 1991, Harvested 1994
2 Cut Trial

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

Mean Yield (kg/Ha)			
Cultivar	Cut 1	Cut2	TOTAL
9002 DK120	6935	3545	10480
1268 Spredor 2	6483	3030	9513
1001 Saranac	5747	3127	8874
3 NKEXP C	7095	3315	10410
1264 90788	6355	3031	9386
1074 Arrow	6050	3267	9317
1267 Beaver	5495	3055	8550
1 Heinrichs	6345	3046	9391
2 NKEXP B	6821	3573	10394
Harv Mean	6370	3221	9591
LSD (5%)	411	325	564
CV%	10.2	11.4	9.1

Northrup King Seeds Ltd.
Alfalfa Trial
London, Ontario
Seeded 1992, Harvested 1994
 2 CUT TRIAL

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

	Mean Yield (kg/Ha)		
Cultivar	Cut 1	Cut2	TOTAL
9002 DK120	6905	3251	10156
1268 Spredor 2	6765	2849	9614
1001 Saranac	6444	3118	9562
4 NKEXP D	5790	2690	8480
1264 90788	6620	2901	9521
1074 Arrow	6550	3055	9605
1267 Beaver	5776	2834	8610
1 Heinrichs	6403	3024	9427
1303 91795	6070	2954	9024
Harv Mean	6369	2964	9333
LSD (5%)	368	186	424
CV%	9.3	8.1	8.2

Northrup King Seeds Ltd.
Alfalfa Trial
Wroxeter, Ontario
Seeded 1992, Harvested 1994
2 CUT TRIAL

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

Mean Yield (kg/Ha)			
Cultivar	Cut 1	Cut2	TOTAL
1074 Arrow	3658	2495	6153
9002 DK120	4213	2634	6847
1001 Saranac	3757	2448	6205
1268 Spredor 2	4423	2177	6600
1303 91795	4202	2454	6656
1264 90788	4109	2348	6457
4 NKEXP D	3630	2206	5560
1 Heinrichs	3950	2260	6210
1267 Beaver	3503	2057	5679
Harv Mean	3938	2342	6280
LSD (5%)	289	205	423
CV%	9.7	9.9	8.3

Northrup King Seeds Ltd.
Alfalfa Trial
London, Ontario
Seeded 1993, Harvested 1994
2 CUT TRIAL

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

Mean Yield (kg/Ha)			
Cultivar	Cut 1	Cut2	TOTAL
9053 Centurion	4305	2798	7103
9002 DK120	4690	2681	7371
1268 Spredor 2	4235	2230	6465
1001 Saranac	4470	2627	7097
9004 Iroquois	4340	2734	7074
1264 90788	4525	2322	6847
1074 Arrow	4370	2646	7016
1267 Beaver	4230	2070	6300
9006 O.A.C.Minto	3896	2522	6418
1303 91795	3835	2344	6179
Harv Mean	4290	2497	6787
LSD (5%)	429	168	514
CV%	11.0	12.2	9.8

Northrup King Seeds Ltd.
Alfalfa Trial
Wroxeter, Ontario
Seeded 1993, Harvested 1994
2 CUT TRIAL

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

Mean Yield (kg/Ha)			
Cultivar	Cut 1	Cut2	TOTAL
1074 Arrow	4095	2456	6551
9002 DK120	4303	2536	6839
1001 Saranac	4240	2438	6678
1268 Spredor 2	4150	2083	6233
1303 91795	3605	2267	5872
1264 90788	3935	2229	6164
9004 Iroquois	4060	2470	6530
9006 O.A.C.Minto	3942	2316	6258
1267 Beaver	3900	2034	5934
9053 Centurion	4134	2610	6744
Harv Mean	4036	2344	6380
LSD (5%)	405	167	528
CV%	12.4	11.3	11.2

TIMOTHY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

RECOMMENDED IN FORAGE BROCHURE

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

VARIETIES RECOMMENDED FOR THE FIRST TIME IN THE FORAGE BROCHURE

<u>Varieties</u>	<u>Designation in Trials</u>	<u>Code # in Trials</u>	<u>Entry Year</u>
Dynasty timothy	Syn S	6102	1987

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 (3)	-
6116	SV8505	Bonis	Support for reg., defer (2)	14
6117	Axel	Brett-Young	Drop at company's request	14
6121	T120	Oseco	No support 94, re-examine 95	13
6122	RVP03	Oseco	No support 94, re-examine 95	13
6123	TM8601	N.K.	Supported, defer (1)	13
6124	HT31	Pickseed	No support 94, re-examine 95	7
6125	PXTI-04	Ottawa		7
6126	PXTI-20	Ottawa		7
6127	PXTF-06	Ottawa		7
6128	SF8307A	Ste Foy		7
6129	SF8601	Ste Foy		7
6130	SF8605	Ste Foy		7
6131	PXTI-08	Ottawa		4
6132	PXTI-11	Ottawa		4
6133	Jonathan	Oseco		4

1991 Timothy registration Elora
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	4410	3648	8058
TIMFOR	6040	4187	2837	7024
SV8414	6114	4755	2693	7448
SV8406	6115	4732	3001	7733
SV8505	6116	4491	2973	7464
AXEL	6117	5397	3176	8573
EXTREMO	6118	5299	2513	7812
LIPHLEA	6119	4767	2142	6909
PXTE-05	6120	4171	2930	7101
T120	6121	4403	2534	6937
RVP03	6122	4603	2669	7272
TM8601	6123	5354	4278	9632
HT 31	6124	4267	2282	6549
mean		4680	2898	7578
CV (%)		10.2	14.6	9.9

1991 Timothy registration Thunder Bay
1994 dry matter yield (kg/ha)

entry	code	cut 1
CLIMAX	6002	3878
TIMFOR	6040	4006
SV8414	6114	3983
SV8406	6115	4021
SV8505	6116	4082
AXEL	6117	3710
EXTREMO	6118	4095
LIPHLEA	6119	4322
PXTE-05	6120	3803
T120	6121	3857
RVP03	6122	4083
TM8601	6123	3972
HT 31	6124	3643
mean		3958
CV (%)		10.2

1992 Timothy registration Ridgetown
1994 dry matter yield (kg/ha)

entry	code	cut 1
CLIMAX	6002	9607
TIMFOR	6040	9264
T120	6121	8551
RVP03	6122	10002
TM8601	6123	9256
HT 31	6124	8905
PXTI-04	6125	10167
PXTI-20	6126	9590
PXTF-06	6127	9508
SF8307A	6128	9507
SF8601	6129	9280
SF8605	6130	9449
mean		9424
CV (%)		7.3

1992 Timothy registration Kapuskasing
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	3008	1633	4641
TIMFOR	6040	3062	1724	4786
T120	6121	2991	1002	3993
RVP03	6122	3482	1562	5044
TM8601	6123	3104	1790	4894
HT 31	6124	3066	1251	4317
PXTI-04	6125	3048	1553	4601
PXTI-20	6126	3262	1715	4977
PXTF-06	6127	3032	1552	4584
SF8307A	6128	3071	923	3994
SF8601	6129	2691	1263	3954
SF8605	6130	2923	2016	4939
mean		3062	1499	4560
CV (%)		8.7	16.8	8.4

1993 Timothy registration Elora
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5466	2224	7690
TIMFOR	6040	4698	2642	7340
T120	6121	5333	2179	7512
RVP03	6122	4445	2242	6687
TM8601	6123	5288	3407	8695
HT 31	6124	5235	1492	6727
PXTI-04	6125	4742	1803	6545
PXTI-20	6126	4569	2141	6710
PXTF-06	6127	4764	2273	7037
SF8307A	6128	5293	2456	7749
SF8601	6129	4107	2468	6575
SF8605	6130	5188	2832	8020
PXTI-08	6131	4952	2483	7435
PXTI-11	6132	4934	2373	7307
JONATHAN	6133	4755	1332	6087
mean		4918	2290	7208
CV (%)		7.7	14.7	7.1

1993 Timothy registration Ottawa
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	6128	4095	10223
TIMFOR	6040	5721	4720	10441
T120	6121	5435	4410	9845
RVP03	6122	5706	3823	9529
TM8601	6123	5472	4597	10069
HT 31	6124	5857	4291	10148
PXTI-04	6125	5073	4922	9995
PXTI-20	6126	6178	3926	10104
PXTF-06	6127	5076	5005	10081
SF8307A	6128	6205	5163	11368
SF8601	6129	5469	5009	10478
SF8605	6130	5499	4429	9928
PXTI-08	6131	5104	4671	9775
PXTI-11	6132	5636	5158	10794
JONATHAN	6133	4773	3278	8051
mean		5555	4500	10055
CV (%)		6.8	11.8	5.8

1993 Timothy registration Kapuskasing
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	4293	2683	6976
TIMFOR	6040	4509	2785	7294
T120	6121	4405	2390	6795
RVP03	6122	4283	2580	6863
TM8601	6123	4237	3230	7467
HT 31	6124	4097	2161	6258
PXTI-04	6125	3903	2419	6322
PXTI-20	6126	3896	2595	6491
PXTF-06	6127	4542	3294	7836
SF8307A	6128	4246	2652	6898
SF8601	6129	4389	3011	7400
SF8605	6130	4551	3052	7603
PXTI-08	6131	4371	2500	6871
PXTI-11	6132	4346	3019	7365
JONATHAN	6133	4772	1410	6182
mean		4323	2652	6975
CV (%)		7.1	8.9	5.6

1993 Timothy registration Thunder Bay
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
CLIMAX	6002	5142	3235	8377
TIMFOR	6040	5545	4752	10297
T120	6121	4154	3840	7994
RVP03	6122	5052	4316	9368
TM8601	6123	4974	4324	9298
HT 31	6124	4737	3472	8209
PXTI-04	6125	4603	3402	8005
PXTI-20	6126	5301	3789	9090
PXTF-06	6127	5552	4234	9786
SF8307A	6128	5330	4534	9864
SF8601	6129	4525	4167	8692
SF8605	6130	4798	4505	9303
PXTI-08	6131	4350	4049	8399
PXTI-11	6132	4819	3826	8645
JONATHAN	6133	4247	3796	8043
mean		4875	4016	8891
CV (%)		8.1	14.3	8.1

ORCHARDGRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

RECOMMENDED VARIETIES

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

VARIETIES RECOMMENDED FOR THE FIRST TIME IN THE FORAGE BROCHURE

<u>Varieties</u>	<u>Designation in Trials</u>	<u>Code # in Trials</u>	<u>Entry Year</u>
Jay	OSG 16	3074	1987
AC Splendor	PXOD 01	3078	1988

VARIETIES UNDER TEST

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u> <u>Of Yield Data</u>	<u>Station Years</u>
3073	OSG 13	U. of Guelph	Dropped at company's request	17
3074	Jay	Parsons Seeds	Recommended, named Jay	
3078	AC Splendor	N K (Ottawa)	Recommended, named AC Splendor	
3086	OG8705	UCO	No support 94, re-examine 95	9
3087	Weibull H94	Oseco		7
3088	PXOF-21	Ottawa		
3089	PXOF-37	Ottawa		7
3090	PXOI-10	Ottawa		5
3091	Arctic	Oseco	Registered	2

1992 Orchardgrass registration Elora
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
JUNO	3001	5473	1361	2706	9540
KAY	3003	7010	1277	2684	10971
NAPIER	3009	4493	1605	3010	9108
HALLMARK	3027	5992	1576	3158	10726
SUMAS	3046	5504	1290	2851	9645
RAPIDIO	3066	4792	1524	2731	9047
RANCHO	3069	5291	1444	2763	9498
MOBITE	3076	3987	1179	2753	7919
OG8705	3086	6141	1460	2921	10522
WEIBULL H94	3087	5423	1081	2673	9177
PXOF-21	3088	6643	1330	2675	10648
PXOF-37	3089	6205	1448	3032	10685
PXOI-10	3090	5576	1189	2505	9270
mean		5579	1366	2805	9750
CV (%)		7.3	9.1	6.5	5.4

1992 Orchardgrass registration Ottawa
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
JUNO	3001	5356	4939	10295
KAY	3003	5632	4952	10584
NAPIER	3009	4925	4109	9034
HALLMARK	3027	5435	4857	10292
SUMAS	3046	5626	4576	10202
RAPIDIO	3066	4918	4572	9490
RANCHO	3069	5595	4813	10408
MOBITE	3076	4964	4613	9577
OG8705	3086	5718	4772	10490
WEIBULL H94	3087	5367	4848	10215
PXOF-21	3088	5479	4591	10070
PXOF-37	3089	5521	4900	10421
PXOI-10	3090	6103	5028	11131
mean		5434	4736	10170
CV (%)		9.2	10.3	7.9

1993 Orchardgrass registration Elora
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
JUNO	3001	5264	1019	2818	9101
KAY	3003	4701	949	2537	8187
NAPIER	3009	5103	1187	3103	9393
HALLMARK	3027	5329	1411	2753	9493
RAPIDIO	3066	4668	1188	2595	8451
RANCHO	3069	5040	1011	2610	8661
DS7	3072	4914	1120	2704	8738
BENCHMARK	3075	4234	1206	2561	8001
MOBITE	3076	4859	947	2390	8196
OKAY	3079	5076	1046	2790	8912
OG8705	3086	5313	1138	3096	9547
WEIBULL H94	3087	5166	894	2815	8875
PXOF-21	3088	5415	1131	2820	9366
PXOF-37	3089	5419	1082	2680	9181
ARCTIC	3091	5139	763	2332	8234
mean		5043	1073	2707	8822
CV (%)		10.5	7.9	16.3	8.9

1993 Orchardgrass registration Kapuskasing
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	cut 3	Total
JUNO	3001	1999	2668	1101	5768
KAY	3003	2472	2681	655	5808
NAPIER	3009	1441	2549	1407	5397
HALLMARK	3027	1272	2652	1384	5308
RAPIDIO	3066	1315	2495	1177	4987
RANCHO	3069	1913	2397	1082	5392
DS7	3072	924	2398	1116	4438
BENCHMARK	3075	1341	2542	1134	5017
MOBITE	3076	1235	2147	739	4121
OKAY	3079	2320	2575	871	5766
OG8705	3086	2476	2529	1207	6212
WEIBULL H94	3087	3131	2157	825	6113
PXOF-21	3088	2177	2701	886	5764
PXOF-37	3089	1707	2455	1124	5286
ARCTIC	3091	2937	2214	550	5701
mean		1911	2477	1017	5405
CV (%)		11.4	10.1	12.8	6.0

BROMEGRASS VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

RECOMMENDED VARIETIES

Baylor Beacon Bravo Saratoga Radisson

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	Dropped at company's request	13
2049	86B	Szego	Support for reg., defer (3)	13
2050	Rebound	Zuelzer	No support 94, testing completed	9
2052	PXBD-28	Ottawa	No support 94, re-examine 95	10
2053	Grasslands Quality Gala			0
2054	Paddock	Seed Link		0
2053	Cottonwood	OSECO		0

1991 Bromegrass registration New Liskeard
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	7936	3123	11059
SARATOGA	2002	7844	3485	11329
TEMPO	2024	7109	3303	10412
BEACON	2027	7143	3743	10886
BRAVO	2039	8144	3727	11871
86B	2049	8719	3785	12504
REBOUND	2050	8027	3032	11059
RADISSON	2051	8410	3295	11705
mean		7917	3437	11353
CV (%)		7.1	15.8	8.0

1992 Bromegrass registration Elora
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	4333	1992	6325
SARATOGA	2002	4258	2649	6907
TEMPO	2024	4047	2296	6343
BEACON	2027	4809	2052	6861
BRAVO	2039	4538	2504	7042
PXBD-28	2052	4196	2261	6457
mean		4364	2292	6656
CV (%)		9.8	9.4	7.9

1992 Brome grass registration Ottawa
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	6336	4931	11267
SARATOGA	2002	6047	4497	10544
TEMPO	2024	6271	4656	10927
BEACON	2027	7240	5621	12861
BRAVO	2039	5845	4523	10368
PXBD-28	2052	6697	5222	11919
mean		6406	4908	11314
CV (%)		5.8	6.7	4.2

1992 Brome grass registration Kapuskasing
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	2301	2054	4355
SARATOGA	2002	2734	2003	4737
TEMPO	2024	2454	1986	4440
BEACON	2027	2251	2101	4352
BRAVO	2039	2417	2071	4488
PXBD-28	2052	1725	1775	3500
mean		2314	1998	4312
CV (%)		13.1	13.2	10.9

1993 Brome grass registration Ottawa
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	6380	5689	12069
SARATOGA	2002	6663	6217	12880
TEMPO	2024	6742	5194	11936
BEACON	2027	6600	6108	12708
BRAVO	2039	5887	6148	12035
RADISSON	2051	6479	5897	12376
PXBD-28	2052	6088	6005	12093
mean		6406	5894	12300
CV (%)		8.5	12.1	9.0

1993 Brome grass registration Kapuskasing
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	2708	3231	5939
SARATOGA	2002	3339	3095	6434
TEMPO	2024	3198	3179	6377
BEACON	2027	2707	3351	6058
BRAVO	2039	3508	3211	6719
RADISSON	2051	3305	3018	6323
PXBD-28	2052	2938	2930	5868
mean		3100	3145	6245
CV (%)		5.8	4.9	3.7

1993 Brome grass registration New Liskeard
 1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
BAYLOR	2001	6911	3510	10421
SARATOGA	2002	6059	3998	10057
TEMPO	2024	6964	4036	11000
BEACON	2027	6979	3349	10328
BRAVO	2039	6080	4524	10604
RADISSON	2051	6047	3414	9461
PXBD-28	2052	6248	3691	9939
mean		6470	3789	10259
CV (%)		11.9	12.8	9.7

TALL FESCUE VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

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>
5525	TF-1	Richardson	Support for reg., defer (3)	26
5526	MCF101	Parsons	Support for reg., defer (4)	21
5527	MCF102	OSECO	Support for reg., defer (4)	21
5528	TF8872	OSECO	Support for reg., defer (3)	15

1991 Tall fescue registration Elora
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
PHYTER	5516	4719	3879	8598
STEF	5517	3592	4153	7745
FESTORINA	5519	4390	4404	8794
AC GRAZE	5522	3313	4226	7539
COURTENAY	5523	3847	4097	7944
FA 8CD	5524	3819	4251	8070
TF-1	5525	4143	4008	8151
MCF101	5526	4032	4587	8619
MCF102	5527	4060	4678	8738
TF8872	5528	4843	3906	8749
mean		4076	4219	8295
CV (%)		9.7	5.6	5.2

1991 Tall fescue registration Thunder Bay
1994 dry matter yield (kg/ha)

entry	code	cut 1	cut 2	Total
PHYTER	5516	3362	3684	7046
STEF	5517	3255	3585	6840
FESTORINA	5519	2858	3820	6678
AC GRAZE	5522	3342	4073	7415
COURTENAY	5523	3489	4165	7654
FA 8CD	5524	3240	3797	7037
TF-1	5525	3021	3358	6379
MCF101	5526	3638	4461	8099
MCF102	5527	3615	4291	7906
TF8872	5528	3056	4058	7114
mean		3288	3929	7217
CV (%)		11.6	12.8	9.4

REED CANARY VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

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	Reg., no support 94, re-examine 95	11
5018	Lara	Oseco		3
4019	Emphasis	Seed Link		0

MEADOW FOXTAIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

RECOMMENDED IN PUBLICATION 296

Mountain Dan

VARIETIES UNDER TEST

None

1992 Reed canarygrass registration Elora
1994 dry matter yield (kg/ha)

A:RC EL 9294

entry	code	cut 1	cut 2	Total
VANTAGE	5011	4892	2895	7787
PALATON	5013	5155	2452	7607
VENTURE	5016	5160	3448	8608
BELLEVUE	5017	4618	3030	7648
mean		4956	2956	7913
CV (%)		11.2	7.9	8.6

1992 Reed canarygrass registration Kemptville
1994 dry matter yield (kg/ha)

A:RC KE 9294

entry	code	cut 1	cut 2	Total
VANTAGE	5011	7116	4704	11820
PALATON	5013	7944	4007	11951
VENTURE	5016	7315	4308	11623
BELLEVUE	5017	6424	4810	11234
mean		7200	4457	11657
CV (%)		7.6	8.5	5.1

1992 Reed canarygrass registration Ottawa
1994 dry matter yield (kg/ha)

A:RC OT 9294

entry	code	cut 1	cut 2	Total
VANTAGE	5011	6290	4967	11257
PALATON	5013	7016	5539	12555
VENTURE	5016	6511	5332	11843
BELLEVUE	5017	6002	5426	11428
mean		6455	5316	11771
CV (%)		4.0	10.0	5.5

1992 Reed canarygrass registration
1994 dry matter yield (kg/ha)

Kapuskasing

A:RCKA9294

entry	code	cut 1	cut 2	Total
VANTAGE	5011	1462	1566	3028
PALATON	5013	1574	1469	3043
VENTURE	5016	1899	2012	3911
BELLEVUE	5017	1629	2128	3757
mean		1641	1794	3435
CV (%)		5.3	9.8	5.7

1993 Reed canarygrass registration
1994 dry matter yield (kg/ha)

Kemptville

A:RCKE9394

entry	code	cut 1	cut 2	Total
VANTAGE	5011	8704	5402	14106
PALATON	5013	8391	4944	13335
VENTURE	5016	9061	5162	14223
BELLEVUE	5017	8076	5254	13330
LARA	5018	8545	5428	13973
mean		8555	5238	13793
CV (%)		6.4	12.0	7.5

1993 Reed canarygrass registration
1994 dry matter yield (kg/ha)

Ottawa

A:RCOT9394

entry	code	cut 1	cut 2	Total
VANTAGE	5011	5927	5741	11668
PALATON	5013	6009	6376	12385
VENTURE	5016	6526	6171	12697
BELLEVUE	5017	5547	5844	11391
LARA	5018	5357	4768	10125
mean		5873	5780	11653
CV (%)		9.5	10.7	7.0

1993 Reed canarygrass registration
1994 dry matter yield (kg/ha)

Thunder Bay

A:RCTB9394

entry	code	cut 1	cut 2	Total
VANTAGE	5011	6147	5570	11717
PALATON	5013	6439	5512	11951
VENTURE	5016	5893	4893	10786
BELLEVUE	5017	5740	5608	11348
LARA	5018	6113	5228	11341
mean		6066	5362	11429
CV (%)		4.6	6.9	4.3

BIRDSFOOT TREFOIL VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

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 (3)	--
7008	Dawn	Szego	No support 94, testing completed	19
7038	01-1984-1	Pickseed		1
7039	01-1984-2	Pickseed		1

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		2
7031	RC4Syn2	U. of Guelph		2
7038	01-1984-1	Pickseed		3
7039	01-1984-2	Pickseed		3

KAPUSKASING 1994

EXP: 6523

1991 OFCC TREFOIL TRIAL ESSAI DE LOTIER OFCC 1991

YIELD (kg DM/ha)		RENDEMENT (kg Ms/ha)	
A-TK 91.94			
CULTIVARS	C-1	C-2	TOTAL
BULL 7031	2685	1665	4350
LEO 7001	2693	1577	4270
DAWN 7002	2379	1652	4031
EMPIRE 7003	2367	1624	3991
BONNIE 7035	1927	1456	3383
UPSTART 7033	1785	1158	2943
MEAN/MOYENNE	2306	1522	3828

C.V. %	6.4	12.8	7.5
F	**	NS	**
L.S.D.5%	269	354	521

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 : 07/11/94 09/15/94
JOUR DE RECOLTE :

FERTILIZATION : Soil analysis showed no requirements for P & K.

FUMURE : L'analyse de sol démontre aucun besoin de P & K.

COMMENTS/REMARQUES :

This trial is thinning out especially in the 3rd replicate and the total yields are down. At the first cut BONNIE was the earliest at 25% flower and EMPIRE the latest at late bud stage. The stand of BONNIE was the lowest at 68%. The cultivar BULL performed similarly to the check LEO.

Exp 7221 TREFOIL TRIAL

Seeded 1992 THUNDER BAY

A-TTB 92 94

Harvested 1994

Mean Yield (kg/ha)

Cultivar	Cut 1	Cut 2	Total
7001 LEO	3211	2394	5606
7003 EMPIRE	1566	1276	2842
7008 DAWN	2854	2677	5531
7033 UPSTART	3333	2582	5915
Harv means	2741	2232	4973
CV %	10.8	9.3	4.6
LSD (5%)	469.6	329.8	365.2

Exp 3076 TREFOIL

Seeded 1993 KEMPTVILLE

Harvested 1994

A-TREMP 93.94

Mean Yield (kg/ha)

Cultivar	Cut 1	Cut 2	Total
7001 LEO	5805	3036	8841
7003 EMPIRE	5747	2323	8070
7008 DAWN	5642	2620	8262
7031 RC4 SYN2	5593	2367	7960
7034 BULL	5983	3122	9106
7038 01-1984-1	5529	3120	8649
7039 01-1984-2	6207	2672	8879
Harv means	5787	2751	8538
CV %	7.4	9.0	6.4
LSD (5%)	525.0	303.4	673.7

Exp 7230 TREFOIL AND TIMOTHY TRIAL Seeded 1993 THUNDER BAY

A: TTTB93.94

Harvested 1994

Mean Yield (kg/ha)			
Cultivar	Cut 1	Cut 2	Total
7001 LEO	6532	1605	8137
7003 EMPIRE	6725	1518	8243
7008 DAWN	6849	1876	8725
7031 RC4 SYN2	6425	1736	8161
7034 BULL	6416	2007	8423
7038 01-1984-1	6332	2026	8358
7039 01-1984-2	6406	2088	8494
Harv means	6526	1837	8363
CV %	8.6	23.1	11.0
LSD (5%)	687.4	519.3	1126.3

Exp 3077 TREFOIL+TIMOTHY

Seeded 1993 KEMPTVILLE

A-77 (Em93.94)

Harvested 1994

Mean Yield (kg/ha)			
Cultivar	Cut 1	Cut 2	Total
7001 LEO	8970	6704	15674
7003 EMPIRE	8423	6600	15023
7008 DAWN	8487	6535	15022
7031 RC4 SYN2	9612	5620	15232
7034 BULL	8312	6427	14740
7038 01-1984-1	8573	5791	14364
7039 01-1984-2	8546	6375	14921
Harv means	8703	6293	14997
CV %	5.3	11.7	5.2
LSD (5%)	568.6	898.9	965.0

2
8

A-7E93.94

Pickseed Trefoil Trial, seeded 1993, harvested 1994. Elmira

CULTIVAR	MEAN YIELD (kg/ha)				%chk.
	CUT 1	CUT 2	CUT 3	TOTAL	
7001 LEO	7106	4970	398	12474	100
11 LEO + ITASCA	7004	3784	962	11150	100
7002 01-1984-1 + ITASCA	7534	4783	462	12780	116
31 01-1984-2 + ITASCA	7046	4402	458	11906	107
4 BULL B + ITASCA	7137	4131	558	11826	106
5 BULL C + ITASCA	7959	4544	559	13071	117
6 UPSTART B + ITASCA	7539	4200	338	12078	108
7 UPSTART F + ITASCA	7601	4222	374	12197	109
8 UPSTART O + ITASCA	7144	4036	376	11556	104
9 79055 + ITASCA	7336	3726	435	11498	103
10 MAKU + ITASCA	4681	4791	400	8263	74
11 UPSTART B	6878	4768	230	11876	95
12 UPSTART F	4777	4012	252	9041	72
7033 13 UPSTART C	6647	4161	399	11207	90
7034 BULL	6001	4203	529	10732	86
HARVEST MEANS	6826	4318	409	11443	
CV	14.6	13.4	31.7	11.4	
Isd.05	1425	825	185	1868	
DATE	24/06	4/08	26/08		

chk: Leo for pure trefoil; Leo + Itasca for trefoil/timothy mixtures

0 as trefoil - timothy

RED CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

RECOMMENDED VARIETIES

Atlas Florex Persist Concorde 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>
4056	CRS4	Charlottetown	Support for reg., defer (4)	6
4063	Marathon	OFCC	Support for reg., defer (2)	16
4066	OACRC487	U. of Guelph	Support for reg., defer (3)	8
4067	RC887	U. of Guelph	No support 94, testing completed	10
4070	PSR-008	Pickseed	Support for reg., defer (2)	11
4071	22291	Parsons	No support 94, re-examine 95	11
4072	WD 1919 (TR2000)	Oseco	Reg., no support 94, re-examine 95	11
4073	ABI90R-02	Oseco	No support 94, re-examine 95	11
4074	MCC 107	Macdonald College		6
4075	MCC 111 (Azur)	Macdonald College	Registered	6
4076	MCC 113	Macdonald College		6
4077	87-A	N K	Support for reg., defer (1)	11
4078	Cinnamon	UCO		3

Exp 2680 OFCC RED CLOVER TRIAL

Seeded 1992 ELORA

A: 2680 R9294

Harvested 1994

Mean Yield (kg/ha)

Cultivar	Cut 1	Cut 2	Total
4017 FLOREX	4950	3162	8112
4059 CONCORDE	4807	3024	7832
4066 OAC RC487	4969	3337	8306
4067 RC887	5244	2542	7786
4070 PSR008	4810	3682	8492
4071 22291	4925	3421	8346
4072 REBEL	4958	3297	8255
4073 ABI 90R-02	5713	3513	9226
4074 MCC 107	5614	3177	8791
4075 MCC 111	5209	3432	8641
4076 MCC 113	5006	3003	8009
Harv means	5110	3236	8345
CV %	12.3	9.5	10.3
LSD (5%)	755.4	368.6	1033.1

Exp 1164 RED CLOVER 1993

Seeded 1993 RIDGETOWN

Harvested 1994

A=RCR93.94

Cultivar	Mean Yield (kg/ha)		
	Cut 1	Cut 2	Total
4017 Florex	10783	5605	16388
4023 Arlington	10225	6677	16902
4027 Prosper I	10859	6724	17583
4034 Persist	9845	5804	15649
4036 Atlas	10170	6718	16888
4055 Walter	10467	7036	17503
4057 Ram	10824	6776	17600
4059 Concorde	10077	6741	16818
4070 PSR008	11047	6792	17839
4071 22291	10746	6990	17736
4072 Rebel	11422	6646	18068
4073 ABI 90R-02	10187	6941	17128
4074 MCC 107	12255	6777	19032
4075 MCC 111	10551	6702	17253
4076 MCC 113	11661	6626	18286
4077 87-A	10675	6967	17642
4078 Cinnamon	10101	7352	17453
Harv means	10700	6698	17398
CV %	10.0	7.3	6.7
LSD (5%)	1277.9	583.1	1392.2

Exp RED CLOVER TRIAL

Seeded 1993 OTTAWA

Harvested 1994

A: RC 093.94

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
4023 Arlington	3896	2314	1994	8203
4017 Florex	4075	2154	2149	8378
4034 Persist	4235	2693	1798	8725
4027 Prosper 1	4524	2221	2218	8962
4036 Atlas	4163	2143	2441	8747
4055 Walter	3884	2320	2082	8286
4059 Concorde	3886	2217	2344	8448
4057 MSR97RAM	4198	2244	2120	8562
4070 PSR008	3902	2110	2105	8117
4071 22291	4143	2422	2342	8907
4072 Rebel	3878	2294	2318	8490
4073 ABI90R02	3791	2277	2298	8366
4074 MCC 107	4244	1996	2126	8366
4075 MCC 111	4448	2211	2212	8871
4076 MCC 113	4091	2158	2289	8537
4077 87-A	4271	2105	2427	8803
4078 Cinnamon	4067	2319	2184	8570
Harvest mean	4100	2247	2203	8549
CV %	9.7	9.9	10.3	6.3

Exp 3075 RED CLOVER

Seeded 1993 KEMPTVILLE

Harvested 1994

A: RCKEMP93.94

Mean Yield (kg/ha)

Cultivar	Cut 1	Cut 2	Total
4017 FLOREX	6687	3135	9822
4023 ARLINGTON	6252	3285	9536
4027 PROSPER I	7599	3125	10723
4034 PERSIST	5379	3390	8769
4036 ATLAS	6145	3278	9423
4055 WALTER	7063	3351	10414
4057 RAM	6270	3314	9584
4059 CONCORDE	6559	3614	10173
4070 PSR008	7187	2986	10173
4071 22291	6603	3934	10537
4072 REBEL	6127	3999	10126
4073 ABI 90R-02	6698	3490	10188
4074 MCC 107	6247	2785	9032
4075 MCC 111	6851	2835	9686
4076 MCC 113	6361	2859	9220
4077 87-A	7494	3715	11208
4078 CINNAMON	6689	3520	10210
Harv means	6601	3330	9931
CV %	14.2	13.9	10.2
LSD (5%)	1119.0	551.7	1200.6

Northrup King Seeds Ltd.
D. C. Red Clover Trial
London, Ontario

Seeded 1991, Harvested 1994

A:KCL91.94

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
87 - A 4577	4968	882	1168	7018
Marathon 4063	4268	605	884	5757
Persist 4034	3616	586	1022	5224
Walter 4058	3924	483	927	5334
Florex 4017	3564	562	860	4986
Atlas 4036	4112	669	1040	5821
Harv Mean	4075	631	983	5690
LSD (5%)	440	162	252	562
CV%	15.3	28.7	25.6	14.4

Northrup King Seeds Ltd.
D. C. Red Clover Trial
London, Ontario

Seeded 1992, Harvested 1994

A:RC692.94

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
87 - A	4468	1088	1925	7481
Marathon	5134	1201	1946	8280
Persist	5459	1008	2323	8790
Walter	4705	1020	1977	7702
Florex	5237	946	2335	8518
Atlas	5096	1040	1762	8017
Harv Mean	5289	1147	2159	8131
LSD (5%)	646	197	253	771
CV%	14.6	19.2	14.9	11.5

Northrup King Seeds Ltd.
D. C. Red Clover Trial
Wroxeter, Ontario

Seeded 1993, Harvested 1994

A-RCW9394

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
87 - A 4577	4817	1372	2856	9045
87 - B 1	4788	1174	2642	8604
Persist 4534	5177	794	2847	8818
Walter 4085	5129	975	2642	8746
Florex 407	5019	968	2742	8729
Atlas 4534	4660	1102	2713	8474
Harv Mean	4932	1064	2740	8736
LSD (5%)	298	176	329	502
CV%	7.3	25.0	10.0	5.8

Northrup King Seeds Ltd.
D. C. Red Clover Trial
London, Ontario

Seeded 1993, Harvested 1994

A.R.C.L 93.94

Mean Yield (kg/Ha)

Cultivar	Cut 1	Cut2	Cut3	TOTAL
87 - A 4077	6796	2304	3033	12133
87 - B /	6844	2155	3731	12730
Persist 4034	6916	1550	3338	11804
Walter 4055	6837	1762	2898	11497
Florex 4017	6029	1735	2638	10402
Atlas 4036	6968	1878	2977	11823
Harv Mean	6732	1897	3103	11732
LSD (5%)	1136	252	905	1483
CV%	14.3	16.3	24.9	12.8

Pickseed Red Clover Trial, seeded 1993, harvested 1994. Elmira

A-RCE9394

CULTIVAR	MEAN YIELD (kg/ha)				%chk.
	CUT 1	CUT 2	CUT 3	TOTAL	
1 PAWERA	9483	3904	826	14213	126
2 65881	5677	4699	733	11009	98
3 65841	5551	4553	603	10707	95
4 65838	6022	4726	502	11250	100
5 65839	5582	4662	627	10871	97
6 KVARTA	7788	5476	809	14072	125
7 CHLUMECKY	5411	4534	552	10497	93
8 RADAN	5548	4750	625	10923	97
4050 MARINO	6223	4925	821	11770	105
4057 RAM	5120	3663	783	9566	85
4055 WALTER	6455	3579	505	10539	94
9 MARINO RS	6683	4466	681	11830	105
4063 MARATHON	7696	4182	658	12536	111
4017 FLOREX	7329	3866	564	11258	100
10 DC LOT# 211	4832	3866	815	9312	83
11 JONAS	5484	4446	682	10612	94
HARVEST MEANS	6299	4362	649	11310	
CV	16.6	11.7	13.1	12.5	
lsd.05	1492	726	121	2011	
DATE	24/06	4/08	26/08		

chk: Florex

WHITE CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - February 1, 1995

RECOMMENDED VARIETIES

Alice California Ladino Merit Sacramento Canopy Shasta

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>
Shasta	Shasta	8013	1988

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 94, re-examine 95	10
8013	Shasta	Szego	Recommended, named Shasta	6
8016	Cristal	Oseco		5
8017	Kopu	Speare		3
8018	Will	Seed Link		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		2
X 8012	Shasta	Szego		2
8013	Osceola	Szege		2
8016	Cristal	Oseco		2
8017	Kopu	Speare		2
8018	Will	Seed Link		0

Exp 2695 OFCC WHITE CLOVER + ORCHA Seeded 1993 ELORA

A:WCOEL093.94

Harvested 1994

Cultivar	Mean Yield (kg/ha)			Total
	Cut 1	Cut 2	Cut 3	
8004 MERIT	3688	1959	1339	6986
8005 SACRAMENTO	3682	1986	1293	6961
8007 CAL. LADINO	3596	1916	1271	6783
8010 CANOPY	3926	1639	1217	6782
8011 SONJA	4102	1510	746	6359
8012 OSCEOLA	3879	1826	1392	7098
8013 SHASTA	3866	2064	1278	7208
8014 ALICE	3882	1791	1019	6692
8015 WHITE DUTCH	4251	1485	860	6596
8016 CRISTAL	3817	1808	1014	6639
8017 KOPU	3579	1252	946	5777
Harv means	3843	1749	1125	6716
CV %	10.1	14.1	9.8	8.1
LSD (5%)	464.5	295.0	132.6	650.5

Exp WHITE CLOVER TRIAL

Seeded 1993 OTTAWA

Harvested 1994

A.W.K. 092.94

Cultivar	Mean Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
8007 Cal. Ladino	2684	1269	1037	4991
8004 Merit	3731	1553	1300	6584
8005 Sacramento	3406	1799	1306	6510
8010 Canopy	3834	1756	1295	6885
8011 Sonja	2954	1616	924	5495
8013 8012 Shasta Oseeola Shasta	4109	2084	1371	7565
8012 8013 Oseeola Shasta Oseeola	3539	1647	1390	6575
8014 Alice	2710	1516	892	5118
8015 White Dutch	3209	1200	846	5255
8016 Cristal	3355	1306	1060	5722
8017 Kopu	3295	1682	1204	6181
Harvest mean	3348	1584	1148	6080
CV %	15.7	22.1	19.1	14.6

Exp 3078 WHITE CLOVER

Seeded 1993 KEMPTVILLE

Harvested 1994

A:WCKemp93.94

Mean Yield (kg/ha)

Cultivar	Cut 1	Cut 2	Cut 3	Total
8004 MERIT	3144	3336	2111	8591
8005 SACRAMENTO	3173	3184	1926	8282
8007 CAL. LADINO	3383	3128	2004	8514
8010 CANOPY	3163	3246	1687	8096
8011 SONJA	4616	2671	1741	9027
8012 OSCEOLA	3526	3348	1974	8849
8013 SHASTA	3249	3527	2445	9221
8014 ALICE	4215	2631	1547	8394
8015 WHITE DUTCH	4411	2757	1823	8991
8016 CRISTAL	3680	2983	1725	8388
8017 KOPU	3917	3126	1944	8987
Harv means	3680	3085	1902	8667
CV %	11.5	17.1	21.4	12.0
LSD (5%)	509.2	634.7	488.5	1251.1

Exp 2694 OFCC WHITE CLOVER

Seeded 1993 ELORA

A=WCE20R93.94

Harvested 1994

Cultivar	Mean Yield (kg/ha)				Total
	Cut 1	Cut 2	Cut 3	Cut 4	
8004 MERIT	1966	1247	1013	514	4740
8005 SACRAMENTO	2097	1310	1012	540	4959
8007 CAL. LADINO	2007	1331	919	470	4727
8010 CANOPY	1927	1291	1070	434	4722
8011 SONJA	2365	1264	762	460	4851
8012 OSCEOLA	2153	1389	1172	631	5345
8013 SHASTA	2375	1220	1022	465	5082
8014 ALICE	2340	1297	976	599	5211
8015 WHITE DUTCH	2257	1152	871	484	4764
8016 CRISTAL	2403	1223	960	648	5233
8017 KOPU	2092	1032	983	536	4643
Harv means	2180	1251	978	525	4934
CV %	15.0	13.3	16.9	19.7	7.2
LSD (5%)	460.7	233.7	233.0	145.9	497.1

Exp WHITE CLOVER - ORCHARDGRASS MIXTURE TRIAL Seeded 1993 OTTAWA

Harvested 1994

A:WCC0093.94

		Mean Yield (kg/ha)			
Cultivar		Cut 1	Cut 2	Cut 3	Total
8007 Cal. Ladino		5356	1794	1479	8629
8004 Merit		5139	1955	1355	8449
8005 Sacramento		4776	1886	1280	7942
8010 Canopy		5389	2054	1465	8908
8011 Sonja		5227	1613	1450	8290
8013	8012 Shasta	4363	1826	1574	7763
8012	8013 Osceola	5305	1777	1636	8718
8014 Alice		4647	1658	1447	7752
8015 White Dutch		5226	1540	1408	8173
8016 Cristal		4751	1941	1656	8348
8017 Kopu		4753	1803	1453	8009
Harvest mean		4994	1804	1473	8271
CV %		13.1	14.2	15.9	10.3

OFCC ANNUAL FORAGE TEST 1994
ELORA RESEARCH STATION

VARIETY	YIELD kg/ha	DAYS TO HARVEST
DONEGAL/VICTORIA	6262	51
SPRINT	5930	51
92AA017	6472	51
BAY	5980	51
AC RIGODON/TRAPPER	5665	51
AC RIGODON	5632	51
HIPRO IV	5839	51
PLAINS	3525	45
KERRY	3155	45
TRIPPER III	3589	45

AVERAGE	5205
LSD	734 kg/ha
C.V.	9.7 %

PEAS

PONEKA	2623	50
PACKER	3356	50
TRAPPER	2709	50

AVERAGE	2896
LSD	126 kg/ha
C.V.	2.5 %

OFCC ANNUAL FORAGE TEST 1994
Kemptonville College of Agricultural Technology

VARIETY	YIELD kg/ha	DAYS TO HARVEST
DONEGAL/VICTORIA	4792	55
SPRINT	4682	55
92AA017	4231	55
BAY	4350	55
AC RIGODON/TRAPPER	4350	55
AC RIGODON	3718	55
HIPRO IV	4024	55
PLAINS	4547	55
KERRY	3489	55
TRIPPER III	3532	55

AVERAGE	4172
LSD	787 kg/ha
C.V.	13.0 %

PEAS

PONEKA	3229	55
PACKER	3237	55
TRAPPER	3046	55

AVERAGE	3171
LSD	N/S
C.V.	15.4 %

OFCC ANNUAL FORAGE TEST 1994
Ottawa Research Station

VARIETY	YIELD kg/ha	DAYS TO HARVEST
DONEGAL/VICTORIA	3809	50
SPRINT	3873	50
92AA017	3652	50
BAY	3578	50
AC RIGODON/TRAPPER	3952	50
AC RIGODON	3809	50
HIPRO IV	4220	50
PLAINS	4285	50
KERRY	4206	50
TRIPPER III	4074	50

AVERAGE	3946	
LSD	N/S	
C.V.	13.5 %	

PEAS

PONEKA	3603	50
PACKER	3712	50
TRAPPER	3608	50

AVERAGE	3641	
LSD	N/S	
C.V.	17.0 %	

OFCC ANNUAL FORAGE TEST 1994
Thunder Bay Research Station

VARIETY	YIELD kg/ha	DAYS TO HARVEST
DONEGAL/VICTORIA	2113	58
SPRINT	1725	58
92AA017	2024	58
BAY	2023	58
AC RIGODON/TRAPPER	1770	58
AC RIGODON	2118	58
HIPRO IV	2131	58
PLAINS	2501	58
KERRY	2168	58
TRIPPER III	1354	58
AVERAGE	1993	
LSD	324	
C.V.	11.2%	
PEAS		
PONEKA	1471	60
PACKER	2377	60
TRAPPER	707	54
AVERAGE	1518	
LSD	542 kg/ha	
C.V.	20.6 %	

OFCC ANNUAL FORAGE TEST 1994
New Liskeard Agricultural Research Station

VARIETY	YIELD kg/ha	DAYS TO HARVEST
DONEGAL/VICTORIA	4392	55
SPRINT	4518	55
92AA017	3988	55
BAY	3938	55
AC RIGODON/TRAPPER	4083	55
AC RIGODON	3686	55
HIPRO IV	2063	47
PLAINS	3338	51
KERRY	2510	51
TRIPPER III	2483	51

AVERAGE	3500
LSD	613 kg/ha
C.V.	12.1 %

PEAS

PONEKA	2830	56
PACKER	3171	56
TRAPPER	2642	56

AVERAGE	2881
LSD	N/S
C.V.	16.6 %