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ONTARIO FORAGE CROP INVESTIGATIONS



1987 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

1987 REPORT ON FORAGE CROPS TRIALS

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for

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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 1987 Ontario Forage Crop Investigations Report. The information contained here was published as submitted by the crop coordinators. Names and addresses of each crop coordinator are provided to facilitate further inquiries if such a need arises.

Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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

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EARLY ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended in Publication 296

Acclaim	Angus	Arrow	Apica	Alouette	Admiral
Anchor	Crusader	Citation	Classic	Hunter	Apollo I
Pacer	Peak	Primal	Regal	Saranac	Armor
Thor		Trumpetor	Turbo	Vista	88
Eagle	532	Spectrum	Blazer	WL316	Maxim
Husky	DK-135	Excalibur	Preserve	Award	DK-125
Edge	G 2852	5444			

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year of Data</u>
1158	02-1981-1 (Advance)	Pickseed	Support for licence, def (3)	-
1161	Endure	PAG Seeds	Interim support not renewed	
1077	CGA 8403	Ciba Geigy	No support, testing completed	8
1069	NY8302	Cornell	No support, testing completed	11
1064	LL3018 (Sparta)		No support, testing completed	8
1065	LL3110A (Elevation)	Jacques	No support, testing completed	8
1066	Ca 7931-32 (WL320)	King Grain	No support, testing completed	9
1079	KG 841 (Tomahawk)	King Grain	Dropped at company request	
1071	ICB 31 (Bell Ringer)	Oseco	Support for licence, def (1)	8
1072	NAPB 22 Dart	Oseco	No support, testing completed	8
1073	NAPB 23 Surpass	Oseco	Support for registration def (1)	8
1068	OAC 81-120	U. of Guelph	No support, testing completed	6
1070	OT83-4	Ottawa	No support, testing completed	8
1179	LSC305 Magnum +	Landis	Support for registration def (1)	8
1081	82003	Pickseed	No support '87, re-examine '88	12
1082	NY8413	Pickseed	No support '87, re-examine '88	10
1083	83-2	Pickseed	No support '87, re-examine '88	12
1084	N3126	Nemec	No support '87, re-examine '88	9
1086	83-3	Oseco	No support '87, re-examine '88	10
1087	NK83630	N.K.	No support '87, re-examine '88	10

Early Alfalfa Varieties (Cont'd)

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Year</u> <u>of Data</u>
1088	XAR32 (5432)	Pioneer	No support '87, re-examine '88	10
1089	KG 1928	King Grain	No support '87, re-examine '88	9
1090	Ott 84-3	Ottawa	No support '87, re-examine '88	9
1092	WL S39	Pickseed		7
1093	84-15	King Agro		6
1094	NAPB 26B	King Agro		6
1095	84-14	W.G. Thompso		5
1096	AP46	Oseco		5
1097	LSC 8601	Landis		5
1098	LSC 503	Landis		5
1099	Ht55	Pickseed		5
1100	MPR	UCO		0
1101	A25	UCO		0
1102	BPR 335	UCO		0
1103	NAPB 25	King Agro		0
1104	LSC 725	Landis		0
1105	LSC 726	Landis		0
1106	LSC 728	Landis		0
1107	NK 85-32	N.K.		0
1108	NK 85-45	N.K.		0
1109	NK 86-109	N.K.		0
1110	S 36	Oseco		0
1111	S 88	Parsons		0
1112	A871	Pickseed		0
1113	XAR53 (5331)	Pioneer		0
1114	YAR 64	Pioneer		0
1115	82A	Pioneer		0
1116	OAC 83-110	U. of Guelph		0

**Expt. 6491 Alfalfa variety trial (Saranac-type fall dormancy),
1985 seeded, 1987 harvested, Kapuskasing.**

		<u>YIELD (kg/ha)</u>		
CULTIVAR		CUT 1	CUT 2	TOTAL
1001	SARANAC	4191	4686	8876
1006	APICA	4445	5113	9558
1011	CITATION	4271	4997	9267
1062	XAR-21	4070	5113	9183
1063	LSC-305	4205	4785	8990
1064	LL-3018	4172	4883	9055
1065	LL-3110-A	4060	4668	8728
1066	CA-7931-32	4105	4730	8834
1067	82-5	4314	4633	8947
1068	OAC-81-120	3739	4534	8273
1069	NY-8302	4075	4665	8740
1070	OT-83-4	4051	4608	8659
1071	ICB-31	4534	4741	9275
1072	NAPB-22	4338	4710	9047
1073	NAPB-23	4135	4756	8891
1074	NAPB-20	4267	4949	9217
1075	WL-78-W1	4169	4693	8862
1076	CGA-8401	4331	4867	9198
1077	CGA-8403	3483	4623	8107
1078	N-242-0	4341	4895	9236
1079	KG-841	4232	4990	9221
1080	DERBY	4031	4804	8834
1081	82003	4247	4346	8593
1082	NY-8413	3873	4558	8431
1083	83-2	3571	4317	7888
1084	N-3126	4137	4700	8836
1085	N-3272	4133	4855	8988
1086	83-3	3850	4295	8146
1087	NK-83630	3933	4704	8638
1088	XAR-32	3807	4542	8350
1089	KG-1928	3826	4714	8540
1090	OT-84-3	4134	4555	8689
HARV MEANS		4083	4725	8808
CV (5)		6.7	5.0	4.7
LSD (5%)		324.7	278.7	491.4

Expt. 7171 Alfalfa variety trial (Saranac-type fall dormancy),
seeded 1985, harvested 1987, Thunder Bay.

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
1001	SARANAC	2816	1836	4652
1006	APICA	3062	1823	4884
1011	CITATION	2484	1728	4212
1062	544 (XAR21)	2840	2021	4861
1063	LSC 305	2954	1743	4696
1064	SPARTA	2429	1508	3936
1065	ELEVATION	2653	1396	4049
1066	WL 320	2837	1619	4456
1067	82-5	2725	1622	4347
1069	NY 8302	2432	1347	3779
1070	OT 83-4	2764	1805	4569
1071	ICB-31	2750	1736	4486
1072	NAPB 22	3183	1676	4860
1073	NAPB 23	3025	1758	4782
1074	ARROW	3009	1979	4988
1075	MAXIM	2988	2018	5006
1076	CGA 8401	2776	1605	4381
1077	CGA 8403	2406	1170	3576
1078	N242-0	3067	1703	4771
1079	KG 841	3053	1610	4663
1080	DERBY	2607	1807	4414
1081	82003	3119	1683	4801
1082	NY 8413	2930	1994	4925
1083	83-2	2887	1503	4390
1084	N3126	2836	1475	4311
1085	N3272	2761	1658	4419
1086	83-3	2905	1478	4383
1087	NK83630	2722	1676	4398
1088	XAR32	3120	1967	5086
1089	KG 1928	2774	1742	4516
1090	OT84-3	3504	1810	5314
HARV MEANS		2852	1693	4545
CV %		8.9	14.8	8.4
LSD (5%)		300.7	295.6	453.1

Expt. 1105 Alfalfa variety trial (Saranac-type fall dormancy),
seeded 1986, harvested 1987, Ridgetown

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
1001	SARANAC	5901	3618	3425	12945
1011	CITATION	6053	3271	3557	12881
1039	EXCALIBUR	6123	3163	3561	12847
1081	82003	5661	3442	3584	12687
1082	NY8413	5944	3360	3672	12977
1083	83-2	5758	3353	3803	12914
1084	N3126	5966	3535	3576	13077
1085	N3272	5932	3432	3626	12989
1086	83-3	5681	3761	3893	13335
1087	NK83630	5922	3725	3577	13224
1088	XAR32	5878	3717	3989	13584
1089	KG 1928	5679	3355	3864	12898
1090	OT84-3	5939	3715	3758	13412
1092	WL-S39	6083	3380	3733	13196
1093	84-15	5678	3838	3864	13280
1094	NAPB 26B	5698	3483	3567	12748
1095	84-14	5528	3615	3600	12742
1096	AP 46	5989	3655	3838	13482
1097	LSC 8601	6038	3408	3991	13437
1098	LSC 503	5957	3738	3740	13435
1099	Ht55	5865	3663	3507	13035
HARV MEANS		5870	3535	3696	13101
CV %		6.3	10.9	9.4	6.1
LSD (5%)		508.3	530.7	476.5	1100.9

Expt. 2609 Alfalfa variety trial (Saranac-type fall dormancy),
seeded 1986, harvested 1987, Elora

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
1001	SARANAC	6118	4649	4805	15573
1011	CITATION	6286	4689	4664	15638
1039	EXCALIBUR	5889	4838	4784	15511
1081	82003	5891	4758	4550	15199
1082	NY8413	6053	4635	4742	15431
1083	83-2	5668	4500	4473	14641
1084	CW 312	6185	4657	4666	15508
1085	CW 327	6042	4740	4756	15539
1086	83-3	6615	4860	5046	16521
1087	NK83630	5873	4563	4722	15159
1088	5432	5927	4491	4584	15002
1089	KG 1928	6068	4675	4809	15552
1090	OT84-3	6157	4799	4799	15735
1092	WL-S39	6439	4753	4656	15848
1093	84-15	6515	4683	4701	15900
1094	NAPB 26B	6354	4665	4695	15713
1095	84-14	5490	4453	4560	14503
1096	AP 46	6179	4587	4845	15611
1097	LSC 8601	6573	4670	4805	16049
1098	LSC 503	5981	4589	4616	15185
1099	Ht55	5898	4523	4626	15046
HARV MEANS		6105	4656	4709	15470
CV %		10.0	6.2	6.9	7.2
LSD (5%)		724.6	342.2	381.6	1315.8

Expt. 3001 Alfalfa variety trial (Saranac-type fall dormancy),
seeded 1986, harvested 1987, Kemptville.

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
1001	SARANAC	3886	2518	1916	8320
1011	CITATION	4457	2398	1714	8570
1039	EXCALIBUR	4073	2603	2057	8733
1081	82003	4202	2540	1724	8466
1082	NY8413	4193	2661	1910	8763
1083	83-2	3935	2500	1934	8369
1084	CW 312	4049	2552	2119	8720
1085	CW 327	4283	2691	1765	8739
1086	83-3	4030	2687	2080	8796
1087	NK83630	4080	2590	1925	8595
1088	5432	3931	2596	1814	8341
1089	KG 1928	3948	2510	1844	8302
1090	OT84-3	4439	2838	2182	9459
1092	WL-S39	4355	2646	1878	8879
1093	84-15	4014	2497	1533	8044
1094	NAPB 26B	4217	2555	1825	8597
1095	84-14	3901	2478	2075	8454
1096	4188	4188	2605	2052	8845
1097	LSC 8601	4097	2379	1803	8279
1098	LSC 503	3999	2408	1876	8283
1099	Ht55	3971	2528	1675	8174
HARV MEANS		4107	2561	1891	8559
CV %		8.5	7.4	21.0	7.0
LSD (5%)		413.3	223.2	468.1	710.8

Expt. 4063 Alfalfa variety trial (Saranac-type fall dormant),
1986 seeded, 1987 harvested, Ottawa.
Running means covariance adjustment.

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
1001	SARANAC	5273	2524	2112	9908
1011	CITATION	5183	2642	2146	9970
1039	EXCALIBUR	5688	2807	2067	10562
1081	82003	5339	2607	2107	10052
1082	NY8413	5293	2773	2009	10075
1083	83-2	5192	2787	2318	10297
1084	CW 312	5589	2898	2326	10813
1085	CW 327	5169	2693	2116	9978
1086	83-3	5407	2679	1887	9973
1087	NK83630	4848	2612	1983	9443
1088	5432	5213	2698	1916	9828
1089	KG 1928	4940	2643	1875	9457
1090	OT84-3	5375	2729	2184	10288
1092	WL-S39	5081	2463	2126	9670
1093	84-15	5271	2736	1982	9989
1094	NAPB 26B	5097	2821	2570	10487
1095	84-14	4739	2612	2290	9641
1096	AP 46	4891	2454	1960	9304
1097	LSC 8601	4672	2360	1934	8966
1098	LSC 503	5184	2648	2211	10042
1099	Ht55	5140	2670	2449	10259
HARV MEANS		5171	2659	2122	9953
CV %		7.6	6.3	13.6	4.9
LSD (5%)		556.5	235.9	404.2	686.5

Expt. 8007 Alfalfa variety trial (Saranac-type fall dormancy),
seeded 1986, harvested 1987, New Liskeard.

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
1094	NAPB26B	5083	3266	8304
1085	N3272	5130	3160	8290
1084	N3126	4997	3220	8217
1081	82003	4967	3243	8209
1039	EXCALIBUR	4944	3202	8146
1001	SARANAC	4830	3130	7960
1092	WL-S39	4851	3067	7918
1011	CITATION	4693	3194	7887
1083	NY8413	4881	2997	7878
1096	AP46	4806	3003	7808
1087	NK83630	4460	3065	7526
1093	84-15	4603	2908	7511
1086	83-3	4466	3044	7510
1090	OT84-3	4514	2991	7505
1089	KG1928	4388	2994	7382
1098	LSC503	4451	2928	7379
1088	XAR32	4517	2852	7369
1097	LSC8601	4372	2866	7238
1095	84-14	4373	2824	7198
1099	HT55	4260	2934	7194
1083	83-2	4040	2779	6819
HARV MEANS		4647	3032	7678
CV %		6.1	4.8	4.8
LSD (5%)		335	170	437

MEDIUM ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended in Publication 296

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

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
9020	80335 (Drummor)	N.K.	Sup. for lic., Defer (4)	-
9023	Comsel	Ottawa	Sup. for lic., Defer (4)	
9024	SC Poly 2	Ottawa	Sup. for lic., Defer (4)	
9046	CGA 8402	Ciba Geigy	No sup. testing completed	7
9039	NAPB21	King Grain	No support, testing completed	7
9047	N3150	Nemec	No support, testing completed	7
9038	NK82503	N.K.	No support, testing completed	8
9045	82001	Pickseed	No support, testing completed	10
9042	OT 84-4	Ottawa	No support, testing completed	7
9043	OT 83-2	Ottawa	No support, testing completed	7
9044	OT 83-1	Ottawa	No support, testing completed	7
9048	NY8412	Pickseed	No support '87 re-examine '88	11
9049	Big Ten	W. Glassford	No support '87 re-examine '88	9
9051	N3340 (Shield)	Rothwell	Support for register def (1)	9
9052	C-339 (Crown)	Cargill	No support '87 re-examine '88	9
9054	LSC 537	Landis	No support '87 re-examine '88	9
9055	XAF31	Pioneer	No support '87 re-examine '88	9
9056	OT84-2	Ottawa	No support '87 re-examine '88	9
9057	SF8001	OFCC (Quebec)	No support '87 re-examine '88	9
9058	A85-3	Pickseed		7
9059	WL225	King Agro		6
9060	NK83631	N.K.		7
9061	NK83632	N.K.		7
9062	RS-423	Nemec		5
9063	RS-3309	Oseco		5

Medium Alfalfa Varieties (cont'd)

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
9064	Wrangler	Norcan		5
9065	X8781 (CW541)	Funk		0
9066	LSC 724	Landis		0
9067	LSC 727	Landis		0
9068	NK 85-48	N.K.		0
9069	NK 86-638	N.K.		0
9070	NK 86-92	N.K.		0
9071	NABP 31	Oseco		0
9072	Impact	Parsons		0
9073	A872	Pickseed		0

Expt. 1099 Alfalfa variety trial (Iroquois-type fall dormancy),
 1985 seeded, harvested 1987, Ridgetown.
 Running means covariance adjustment.

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
9002	120	4970	1257	6227
9004	IROQUOIS	5011	1301	6311
9038	COMMANDOR	4887	1330	6217
9039	NAPB 21	5001	1175	6176
9040	MOHAWK	5106	1239	6345
9041	ONEIDA VR	5103	1235	6338
9042	OT 84-4	4860	1248	6107
9043	OT 83-2	5028	1213	6241
9044	OT 83-1	5000	1285	6286
9045	82001	4994	1327	6320
9046	CGA 8402	4980	1194	6174
9047	CW 315	4973	1279	6251
9048	NY8412	5110	1330	6440
9049	BIG TEN	5010	1231	6241
9050	SURE	5082	1292	6374
9051	SHIELD	4959	1286	6245
9052	CROWN	5067	1292	6359
9053	CENTURION	5062	1201	6264
9054	LSC 537	4958	1261	6220
9055	XAF31	5037	1240	6277
9056	OT84-2	5167	1279	6446
9057	SF8001	4981	1298	6279
HARV MEANS		5016	1263	6279
CV %		5.4	7.7	4.7
LSD (5%)		320.8	117.1	350.6

Expt. 6470 Alfalfa variety trial (Iroquois-type fall dormancy),
1985 seeded, 1987 harvested, Kapuskasing
PERSISTENCE DATA

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
9047	N-3150	4242	3271	7512
9043	OT-83-2	4023	3268	7291
9052	C-339	3542	3071	6613
9046	CGA-8402	3788	3376	7164
9057	SF-8001	4363	3191	7554
9002	120	4070	3449	7519
9053	EXP-12	3579	2992	6571
9056	OT-84-2	3740	3377	7117
9051	N-3340	4091	3260	7352
9054	LSC-537	3978	3294	7272
9040	MOHAWK	3471	2862	6332
9045	82001	4200	3214	7413
9049	BIG-TEN	3705	2995	6700
9038	NK-82503	3577	3297	6874
--	KAPCOMP-85	4417	3470	7887
9041	NY-8301	4208	3223	7431
9050	N-3418	3915	3125	7040
9039	NAPB-21	3807	2954	6762
9048	NY-8412	3903	3056	6959
9055	XAF-31	3433	3278	6711
9042	OT-84-4	3570	2850	6419
9044	OT-83-1	3972	3114	7086
9004	IROQUOIS	3834	3030	6864
HARV MEANS		3888	3175	7063
CV %		9.2	12.3	8.4
LSD (5%)		421.4	459.5	704.1

**Expt. 1106 Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, Ridgetown**

CULTIVAR	YIELD (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
9002 120	5896	3540	3809	13245
9004 IROQUOIS	5716	3465	3518	12699
9048 NY8412	5398	3462	3562	12422
9049 BIG TEN	5629	3494	4078	13201
9050 N3418	5805	3576	3777	13158
9051 N3340	5660	3842	3985	13488
9052 C-339	5560	3795	4002	13357
9053 EXP 12	5416	3284	4005	12706
9054 LSC 537	5891	3707	3840	13437
9055 XAF31	5589	3940	3988	13517
9056 OT84-2	5810	3608	3602	13020
9057 SF8001	5507	3616	3828	12951
9058 A85-3	5381	3664	4327	13372
9059 WL225	5540	3778	4085	13403
9060 NK 83631	5458	3735	3893	13087
9061 NK 83632	5199	3192	3786	12177
9062 RS-423	5486	3421	3698	12605
9063 RS-3309	5625	3574	4041	13239
9064 WRANGLER	5795	3539	4030	13364
HARV MEANS	5598	3591	3887	13076
CV %	6.4	7.6	4.6	4.5
LSD (5%)	498.7	377.5	248.7	815.7

Expt. 2610 Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, Elora

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
9002	120	6419	4265	5123	15807
9004	IROQUOIS	6172	4379	5283	15834
9048	NY8412	6475	4305	5574	16354
9049	BIG TEN	6162	4228	5184	15574
9050	SURE	6127	4514	5393	16034
9051	SHIELD	5978	4416	5070	15464
9052	CROWN	5962	4354	5276	15593
9053	CENTURION	6208	4630	5406	16244
9054	LSC 537	6433	4485	5575	16492
9055	XAF31	6822	4513	5472	16807
9056	OT84-2	5610	4120	4983	14714
9057	SF8001	5922	4366	5367	15654
9058	A85-3	5976	4507	5519	16001
9059	WL 225	6299	4131	5486	15917
9060	NK 83631	5876	4296	5531	15703
9061	NK 83632	6257	4476	5641	16374
9062	RS-423	6050	4397	5329	15776
9063	RS-3309	6120	4515	5570	16205
9064	WRANGLER	6156	3961	4955	15072
HARV MEANS		6159	4361	5355	15875
CV %		9.3	4.3	5.2	5.4
LSD (5%)		795.5	258.0	389.4	1183.9

**Expt. 3002 Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, Kemptville.**

CULTIVAR		YIELD (kg/ha)			
		CUT 1	CUT 2	CUT 3	TOTAL
9002	120	3696	2498	2117	8311
9004	IROQUOIS	3634	2705	2282	8622
9048	NY8412	3604	2845	2334	8782
9049	BIG TEN	3796	2611	2317	8723
9050	SURE	3948	2865	2482	9295
9051	SHIELD	3756	2650	1843	8250
9052	CROWN	3986	2903	2154	9043
9053	CENTURION	3760	2827	2234	8822
9054	LSC 537	3816	2576	1927	8319
9055	XAF31	4152	2952	2218	9322
9056	OT84-2	3886	2575	2275	8735
9057	SF8001	3782	2622	2217	8621
9058	A85-3	3711	2406	1941	8058
9059	WL 225	3842	2642	2191	8675
9060	NK 83631	3689	2717	2346	8752
9061	NK 83632	3666	2765	2412	8844
9062	RS-423	4159	2851	2441	9451
9063	RS 3309	3638	2614	2490	8742
9064	WRANGLER	3710	2491	1889	8090
HARV MEANS		3802	2690	2216	8708
CV %		7.3	6.7	18.7	7.1
LSD (5%)		331.9	214.5	493.3	738.6

**Expt. 4064 Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, Ottawa.**

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
9002	120	5727	2673	2619	11018
9004	IROQUOIS	5490	2552	2565	10607
9048	NY8412	5820	2915	2477	11211
9049	BIG TEN	5562	2604	2616	10782
9050	SURE	6262	2699	1727	10688
9051	SHIELD	5377	2941	2502	10820
9052	CROWN	5995	2578	2515	11087
9053	CENTURION	5737	2621	2375	10733
9054	LSC 537	5737	2604	2553	10893
9055	XAF31	6417	2803	2375	11594
9056	OT84-2	5418	2396	2311	10125
9057	SF8001	5747	2699	2235	10681
9058	A85-3	6005	2837	2591	11433
9059	WL 225	5840	2405	2375	10620
9060	NK 83631	5346	2292	2540	10178
9061	NK 83632	5315	2491	2362	10168
9062	RS-423	6582	2595	2515	11691
9063	RS-3309	5614	2656	2477	10746
9064	WRANGLER	5480	2284	1816	9579
HARV MEANS		5761	2613	2397	10771
CV %		9.1	9.9	17.3	7.3
LSD (5%)		622.2	307.7	493.8	932.7

**Expt. 7181 Alfalfa performance trial (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, Thunder Bay.**

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
9001	ALGONQUIN	2790	2164	4954
9002	120	2795	2151	4946
9003	GLORY	2580	2194	4774
9004	IROQUOIS	2807	2162	4968
9005	MAGNUM	2999	2095	5094
9006	OAC MINTO	2907	2100	5007
9008	PIONEER 524	1207	1217	2424
9009	PIONEER 526	2663	2194	4857
9010	TITAN	2225	1982	4206
9011	VALOR	2548	2108	4656
9012	VERNAL	2411	2218	4629
9014	WEEVLCHEK	2491	2016	4507
9015	THUNDER	2822	1993	4814
9018	WL 222	2643	1851	4494
9020	DRUMMOR	2724	1789	4512
9032	CW 241	2584	2086	4670
HARV MEANS		2575	2020	4594
CV %		11.0	10.7	8.0
LSD (5%)		336.3	257.1	438.0

Expt. 8008 Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, New Liskeard.

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
9004	IROQUOIS	5868	3285	9153
9050	N3418	5515	3490	9005
9052	C-339	5074	3816	8891
9062	RS-423	5291	3533	8824
9053	EXP12	5167	3470	8637
9048	NY8412	5112	3422	8535
9051	N3340	4966	3486	8451
9002	120	4996	3335	8330
9057	SF8001	4910	3414	8323
9055	XAF31	4787	3505	8292
9061	NK83632	4858	3334	8192
9064	WRANGLER	4695	3468	8163
9058	A85-3	4794	3304	8099
9060	NK83631	4713	3320	8033
9054	LSC537	4709	3316	8025
9063	RS-3309	4642	3353	7996
9056	OT84-2	4819	3141	7959
9049	BIG TEN	4688	3266	7954
9059	WL255	4672	3159	7830
HARV MEANS		4962	3390	8352
CV %		11.4	6.2	7.3
LSD (5%)		667	249	719

Pickseed alfalfa variety trial, seeded 1986, harvested 1987, Elmira.

ENTRY	YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1092 S39	6680	4221	4708	15609
9058 A85-3	6012	4161	4638	14810
3 - A85-4	5910	4022	4570	14501
1099 HT55	7153	4912	5160	17215
1011 CITATION	6235	4191	4331	14758
1039 EXCALIBUR	6917	4820	4789	16527
9004 IROQUOIS	5931	4199	4128	14258
9048 NY8412	6679	4369	4550	15599
1082 NY8413	6386	4560	4451	15396
1001 SARANAC	6420	4377	4560	15358
9002 120	6374	4338	4535	15248
1083 830-2	6201	4118	4412	14731
9059 KING 1 (WL225)	6170	4249	4539	14958
1093 KING 2 (WL 84-15)	6470	4415	4541	15426
1094 KING 3 (NAPB 26B)	6327	4322	4480	15129
1018 KING 4 (Primal)	6762	4483	4727	15972
1087 83630	6320	4494	4493	15307
9060 83631	5954	3978	4357	14288
9061 83632	6066	4185	4594	14845
20 - VERTUS	5896	4000	4269	14165
1055 02-1981-1	5892	4330	4356	14578
9006 MINTO	5463	4106	4119	13589
9032 AMBASSADOR	6856	4360	4645	15808
C.V.	9.6	8.3	6.7	7.4
L.S.D.	885	526	441	1632

Pickseed alfalfa variety trial, seeded 1986, harvested 1987, Blenheim.

ENTRY	YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
9002 120	9039	4745	4256	18040
9004 IROQUOIS	7658	4390	3941	15988
1039 EXCALIBUR	8976	5004	4302	18281
1011 CITATION	8312	4582	3840	16734
5 - VERTUS	8528	4959	4173	17661
1055 ADVANCE	8116	5136	4152	17404
9032 AMBASSADOR	9230	5363	4570	19162
1099 HT55	8480	4816	4356	17651
9 - A85-4	8630	5180	4511	18321
9058 A85-3	8335	5166	4407	17908
1092 S39	8522	4901	4578	18002
C.V.	6.7	6.2	6.0	4.9
L.S.D.	891	477	403	1353

EXP 1986P PIONEER ALFALFA TRIAL SEEDED 1986 CHATHAM
HARVESTED 1987

CODE	CULTIVAR	YIELD (kg/ha)			
		CUT 1	CUT 2	CUT 3	TOTAL
9009	526	5850.	4441.	3921.	14212.
1017	532	5888.	4423.	3958.	14268.
1062	5444	6043.	4458.	4210.	14711.
4	84PV841 ✓	5636.	4474.	3849.	13960.
5	YAR 52	6006.	4542.	4134.	14681.
1113	YAR 53 (XAR 53)	6111.	4377.	3798.	14286.
9004	Iroquois	6338.	4417.	3699.	14453.
1001	Saranac	6125.	4444.	3987.	14556.
9	85PF031 ✓	5954.	4513.	4070.	14537.
9002	DK120	6478.	4276.	3860.	14613.
1039	Excalibur	5592.	4548.	3809.	13949.
12	84CR242 ✓	5408.	4368.	4006.	13782.
13	84PR221 ✓	5613.	4230.	3838.	13681.
14	84PR261 ✓	5492.	4328.	3838.	13658.
15	84PV821 ✓	5747.	4424.	3873.	14045.
1088	5432	5282.	4389.	3731.	13402.
1177 16	85SV811 ✓	5217.	4305.	3932.	13454.
18	84CR292 ✓	5710.	4444.	4051.	14205.
1178 19	85CR252 ✓	5749.	4279.	4044.	14072.
20	85CR312 ✓	5135.	4715.	4012.	13862.
21	85PF011 ✓	5617.	4701.	4169.	14486.
22	85PF021 ✓	6088.	4473.	4351.	14912.
1011	Citation	6015.	4802.	3697.	14513.
24	85PR211 ✓	5751.	4487.	3830.	14069.
25	85PV821 ✓	5757.	4258.	3979.	13994.
26	85CR342 ✓	5406.	4397.	3950.	13752.
HARV MEANS		5769.	4443.	3946.	14158.
CV %		8.5	5.7	6.7	5.3
LSD (5%)		579.2	299.2	314.6	878.4

Alfalfa variety trial,
seeded 1986, harvested 1987,
NK Seeds Ltd., Arva.

ENTRY		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
9061	83632 (Fortress)	6809	3232	3164	13205
9060	83631	5999	3621	3305	12925
9002	DK 120	6023	3334	3042	12399
1011	CITATION	6396	3054	2908	12358
1087	83630	6297	2932	3078	12307
9004	IROQUOIS	5962	3219	2994	12175
1039	EXCALIBUR	5536	3115	2848	11499
	CV %	10.0	9.6	12.0	5.4
	LSD (5%)	1004	437	516	955

Expt. 8001 Alfalfa performance test (Saranac-type dormancy),
seeded 1985, harvested 1987, New Liskeard.

CULTIVAR	YIELD (kg/ha)		
	CUT 1	CUT 2	TOTAL
1021 ✓ THOR	4365	3197	7561
1025 ✓ VISTA	4232	3290	7522
1039 ✓ EXCALIBUR	4516	3005	7521
1033 ✓ PRESERVE	4441	3030	7471
1004 ✓ ANGUS	4425	3034	7459
1011 ✓ CITATION	4405	2999	7403
1018 ✓ PRIMAL	4343	3037	7379
1001 ✓ SARANAC	4323	3033	7356
1006 ✓ APICA	4232	3015	7248
1003 ✓ ANCHOR	4102	3109	7211
1015 ✓ PACER	4096	3053	7149
1023 ✓ TRUMPETOR	4277	2854	7131
1024 ✓ TURBO	4149	2979	7127
1028 ✓ ALOUETTE	4063	3057	7120
1016 ✓ PEAK	4152	2910	7062
1013 ✓ 130	4019	3018	7037
1017 ✓ 532	4052	2974	7026
1009 ✓ BLAZER	4202	2821	7023
1032 ✓ ACCLAIM	4110	2901	7011
1040 ✓ DK-135	4080	2908	6988
1014 ✓ HUNTER	4044	2931	6975
1030 ✓ ARMOR	4020	2900	6920
1012 ✓ CLASSIC	4076	2807	6883
1047 ✓ APOLLO II	3927	2910	6837
1019 ✓ REGAL	4082	2715	6797
1020 ✓ SPECTRUM	3933	2810	6742
1048 ✓ WL316	4031	2705	6736
1010 ✓ CERES	3744	2948	6692
1022 ✓ TRIDENT	3880	2706	6586
1055 ✓ ANSWER	3897	2628	6525
1007 ✓ APOLLO	3726	2674	6401
HARV MEANS	4127	2934	7037
CV %	4.9	6.4	3.7
LSD (5%)	240	222	311

Expt. 1107 Alfalfa performance trial (Saranac-type fall dormancy),
seeded 1986, harvested 1987, Ridgetown

CULTIVAR	YIELD (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	4799	3414	3823	12036
1003 ANCHOR	4816	3488	3804	12109
1004 ANGUS	5312	3153	3507	11971
1005 ANSWER	5664	3433	3713	12810
1006 APICA	5127	3446	3765	12338
1009 BLAZER	5342	3401	3942	12584
1010 CERES	4661	3444	3998	12103
1011 CITATION	5192	3281	3658	12131
1012 CLASSIC	5012	3363	3922	12297
1013 130	4718	3306	4050	12073
1014 HUNTER	4810	3404	3925	12139
1015 PACER	5090	3448	3833	12370
1016 PEAK	5258	3568	3948	12774
1017 PIONEER 532	4964	3455	4034	12452
1018 PRIMAL	4446	3294	3781	11520
1019 REGAL	4841	3368	4012	12221
1020 SPECTRUM	4897	3600	4082	12579
1021 THOR	4844	3263	3726	11833
1022 TRIDENT	5276	3551	3887	12714
1023 TRUMPETOR	5230	3231	3703	12165
1024 TURBO	5092	3530	4122	12744
1025 VISTA	4008	3012	3573	10594
1028 ALOUETTE	5004	3560	3864	12428
1030 ARMOR	5156	3586	3990	12732
1032 ACCLAIM	5330	3512	4170	13013
1033 PRESERVE	5518	3455	4101	13074
1039 EXCALIBUR	4985	3554	4223	12762
1040 DK-135	5265	3432	4136	12834
1047 APOLLO II	5087	3584	4044	12716
1048 WL 316	5034	3359	3890	12283
1052 HUSKY	5566	3492	3978	13036
1053 EAGLE	5206	3531	3956	12693
1056 88 (CW140)	5189	3752	4221	13162
1057 NAPB 110	5580	3615	4097	13291
HARV MEANS	5068	3438	3926	12432
CV %	6.0	5.1	4.6	3.4
LSD (5%)	412.6	240.2	245.8	570.3

**Expt. 4062 Alfalfa performance trial (Saranac-type fall dormant),
1986 seeded, 1987 harvested, Ottawa.
Running means covariance adjustment.**

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
1001	SARANAC	5229	2735	2027	9991
1003	ANCHOR	5481	2804	2067	10353
1004	ANGUS	5202	2451	1509	9163
1005	ANSWER	4709	2488	1907	9104
1006	APICA	5606	2544	2208	10358
1009	BLAZER	5264	2698	2298	10260
1010	CERES	5010	2561	2067	9638
1011	CITATION	5442	2815	2245	10502
1012	CLASSIC	5345	2575	1800	9719
1013	130	5194	2619	2247	10060
1014	HUNTER	4737	2605	1977	9319
1015	PACER	5196	2697	2123	10015
1016	PEAK	5067	2494	2083	9644
1017	532	5077	2593	2297	9967
1018	PRIMAL	5073	2520	1894	9486
1019	REGAL	5096	2583	2166	9845
1020	SPECTRUM	5192	2474	2017	9683
1021	THOR	5292	2720	2119	10130
1022	TRIDENT	5099	2654	2303	10055
1023	TRUMPETOR	5008	2742	1818	9568
1024	TURBO	4891	2552	1874	9317
1025	VISTA	5173	2396	1847	9416
1028	ALOUETTE	4878	2388	1706	8972
1030	ARMOR	5199	2612	1935	9745
1032	ACCLAIM	5147	2761	2413	10322
1033	PRESERVE	4878	2727	2064	9669
1039	EXCALIBUR	5427	2744	1904	10074
1040	DK-135	4931	2483	1909	9323
1047	APOLLO II	4748	2158	2053	8959
1048	WL 316	5108	2764	2093	9966
1052	HUSKY	5185	2619	1901	9704
1053	EAGLE	4981	2748	2130	9859
1056	88	5336	2880	2022	10238
1057	ADMIRAL	5229	2845	2454	10528
HARV MEANS		5130	2619	2043	9793
CV %		7.5	7.6	13.3	6.6
LSD (5%)		455.3	236.2	323.8	764.4

Expt. 6492 Alfalfa performance trial (Saranac-type fall dormancy),
1986 seeded, 1987 harvested, Kapuskasing

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
1024	TURBO	4427	2491	6918
1017	532	4734	2587	7321
1057	ADMIRAL	4238	2430	6668
1013	130	4063	3233	6385
1014	HUNTER	4940	2482	7421
1015	PACER	5045	2488	7533
1023	TRUMPETOR	4591	2475	7066
1025	VISTA	5215	2469	7684
1004	ANGUS	5455	2489	7944
1018	PRIMAL	4387	2675	7062
1053	EAGLE	4527	2438	6965
1028	ALOUETTE	4965	2522	7487
1016	PEAK	4648	2465	7113
1039	EXCALIBUR	4392	2674	7066
1022	TRIDENT	3912	2244	6156
1001	SARANAC	5106	2515	7621
1048	WL-316	4856	2672	7528
1030	ARMOR	4832	2345	7177
1011	CITATION	5008	2386	7394
1047	APOLLO-11	4293	2149	6441
1033	PRESERVE	4303	2330	6633
1032	ACCLAIM	4479	2574	7052
1052	HUSKY	4955	2633	7589
1006	APICA	5146	2599	7745
1056	88	4449	2693	7142
1021	THOR	5359	2624	7983
1040	DK-135	4558	2474	7033
1009	BLAZER	5309	2441	7750
1019	REGAL	3910	2388	6298
1012	CLASSIC	4689	2471	7160
1005	ANSWER	4794	2604	7398
1003	ANCHOR	4966	2403	7370
1020	SPECTRUM	4563	2479	7042
1010	CERES	4217	2298	6514
HARV MEANS		4686	2480	7166
CV %		7.9	6.8	6.1
LSD (5%)		435.1	198.1	518.6

**Expt. 8002 Alfalfa performance trial (Iroquois-type fall dormancy),
seeded 1985, harvest 1987, New Liskeard.**

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
9011	VALOR	4791	3508	8299
9013	WL215	4714	3554	8269
9005	MAGNUM	4561	3568	8128
9012	VERNAL	4631	3460	9091
9008	524	4595	3464	8058
9001	ALGONQUIN	4545	3506	8051
9003	GLORY	4603	3438	8041
9009	526	4725	3293	8018
9002	120	4551	3400	7950
9004	IROQUOIS	4486	3461	7947
9010	TITAN	4554	3285	7839
9006	OAC MINTO	4389	3305	7694
9015	THUNDER	3535	2707	6243
9020	DRUMMOR	3603	2483	6086
9014	WEEVLCHECK	3352	2624	5976
9016	MLM02042	3264	2634	5899
HARV MEANS		4306	3231	7537
CV %		5.7	6.2	4.6
LSD (5%)		290	240	413

**Expt. 2611 Alfalfa performance trial (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, Elora**

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
9001	ALGONQUIN	6406	4477	4228	15111
9002	120	6603	4570	4206	15379
9003	GLORY	6338	4723	4560	15621
9004	IROQUOIS	6518	4534	4211	15264
9005	MAGNUM	6565	4712	4381	15658
9006	OAC MINTO	6560	5017	4480	16057
9008	524	6264	4184	4192	14640
9009	526	6390	4758	4660	15808
9010	TITAN	5751	4512	4188	14451
9011	VALOR	6170	4542	4276	14988
9012	VERNAL	6574	4449	4097	15120
9014	WEEVLCHEK	6482	4521	4416	15418
9015	THUNDER	6528	4619	4278	15425
9018	WL 222	6266	4649	4315	15230
9020	DRUMMOR	6729	4644	4615	15989
9032	AMBASSADOR	6878	5012	4703	16593
HARV MEANS		6439	4620	4363	15422
CV %		6.5	4.5	5.4	3.7
LSD (5%)		499.6	249.2	283.0	681.3

Expt. 3003 Alfalfa performance test (Iroquois-type fall dormancy),
seeded 1986, harvested 1987, Kemptville.

CULTIVAR		YIELD (kg/ha)			TOTAL
		CUT 1	CUT 2	CUT 3	
9001	ALGONQUIN	3504	2586	2288	8378
9002	120	3529	2591	2249	8369
9003	GLORY	3363	2675	2238	8276
9004	IROQUOIS	3459	2735	2382	8576
9005	MAGNUM	3347	2700	2395	8442
9006	OAC MINTO	3309	2600	2402	8311
9008	524	2807	2347	2146	7300
9009	526	3723	2759	2333	8815
9010	TITAN	3346	2455	2164	7965
9011	VALOR	3426	2525	2170	8121
9012	VERNAL	3244	2416	2000	7660
9014	WEEVLCHEK	3116	2414	2236	7766
9015	THUNDER	3309	2625	2285	8218
9018	WL 222	3507	2589	2328	8424
9020	DRUMMOR	3467	2519	2362	8348
9032	AMBASSADOR	3495	2831	2475	8801
HARV MEANS		3372	2585	2278	8236
CV %		6.1	7.4	5.7	4.2
LSD (5%)		244.6	226.4	153.4	410.7

**Expt. 6471 Alfalfa performance trial (Iroquois-type fall dormancy),
1986 seeding, 1987 harvested, Kapuskasing.**

CULTIVAR		YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
9005	MAGNUM	3168	2122	5290
9006	OAC-MINTO	3095	2219	5313
9014	WEEVLCHECK	3090	1844	4934
9020	DRUMMOR	3228	2092	5320
9012	VERNAL	3010	2216	5226
9015	THUNDER	3229	2069	5298
9004	IROQUOIS	3051	2164	5215
9009	526	3097	2122	5219
9002	120	3287	1973	5260
9001	ALGONQUIN	2930	2232	5163
9032	AMBASSADOR	3177	2023	5200
9011	VALOR	3178	1851	5029
9010	TITAN	3588	2006	5594
9008	524	2628	1767	4395
9003	GLORY	3544	2244	5788
9018	WL-222	2940	2128	5069
HARV MEANS		3140	2067	5207
CV (%)		8.2	7.6	5.8
LSD (5%)		306.6	186.1	356.4

1987 Bacterial wilt test, greenhouse, Ottawa.

<u>Line</u>	<u>% Resistance</u>	<u>DSI</u>
S36	74.3	1.1
A871	68.8	1.5
S88	68.1	1.3
BPR 335	65.3	1.3
LSC 724	65.3	1.3
XAR 53 (5331)	65.3	1.4
NK 85-32	64.6	1.3
CW541 (X8781)	64.6	1.6
LSC 725	62.5	1.5
NAPB 31	62.5	1.5
LSC 726	61.8	1.8
NK 86-92	61.1	1.6
NAPB 25	59.7	1.5
LSC 728	56.8	1.7
IMPACT	55.6	1.5
MPR	54.9	1.9
NK 85-48	50.7	1.9
NK 85-45	50.0	1.9
A25	50.0	1.8
NK 86-638	50.0	2.0
NK 86-109	50.0	2.0
82A	49.3	2.2
A 872	47.9	1.9
LSC 727	47.2	2.1
Vernal	45.8	2.3
YAR 64	43.1	2.1
OAC 83-110	41.0	2.5
DuPuits	0.7	4.7
Mean	54.89	1.8
LSD (at 10% - one tail)		0.32

1987 Phytophthora root rot test, greenhouse, Ottawa.

<u>Line</u>	<u>% Resistance</u>	<u>DSI</u>
A25	77.0	1.8
NAPB 25	76.0	1.9
LSC 728	69.5	2.1
BPR 335	68.0	2.1
NK 85-32	67.0	2.2
S88	66.5	2.0
NK 85-48	65.5	2.1
NK 86-638	63.5	2.2
Trident	62.7	2.4
LSC 724	60.5	2.3
NK 86-92	60.0	2.4
NK 86-109	58.5	2.5
LSC 726	57.5	2.5
NK 85-45	57.2	2.7
NAPB 31	57.0	2.4
XAR 53 (5331)	56.5	2.6
LSC 725	54.5	2.5
A871	53.0	2.6
CW541 (X8781)	51.5	2.5
A 872	51.0	2.5
IMPACT	51.0	2.6
S36	47.5	2.7
MPR	45.9	2.9
ONEIDA VR	43.0	2.8
LSC 727	43.0	3.0
YAR 64	35.5	3.1
PEAK	32.5	3.2
OAC 83-110	30.5	3.3
MAXIM	23.5	3.4
82A	21.5	3.8
DuPuits	10.8	4.6
Mean	52.74	2.6
LSD (at 10% - one tail)		0.31

BIRDSFOOT TREFOIL VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended Varieties

Leo	Empire	Upstart
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Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years</u> <u>of Data</u>
7032	PS79055	Pickseed	No support, testing completed	
7031	RC4SY2	U. of Guelph	Supported for licence, Def. (2)	-
7034	BT86-1	Pickseed		4

EXPT 8401

ONTARIO FORAGE CROP COMMITTEE
1986 NEW LISKEARD TREFOIL TEST
1987 MEAN YIELD (kg/ha)

A: TNL 86.87

A: TNWL 86.87

VARIETY	CUT 1 18/6/87	CUT 2 23/7/87	TOTAL	MEAN	SPRING VIGOR(1-5)
EMPIRE	4654	2635	7003 288	3644	2.25
BT86-1	4260	2945	7034 7205	3603	2.25
LEO	4308	2802	7001 7110	3555	2.00
VIKING	4161	2600	7004 6761	3381	2.50
PS01004	3863	2616	7023 6479	3240	1.75
MEAN	4249	2719	6969		2.15
CV (%)	6.8	7.5	5.1		
LSD (5%)	365	0	454		

N.B. Maitland excluded from test
Maitland spring vigor 2.75

ONTARIO FORAGE CROP COMMITTEE
1986 OTTAWA TREFOIL TEST
1987 MEAN YIELD (kg/ha)

A: TO 86.87

VARIETY	CUT 1	CUT 2	TOTAL	MEAN
EMPIRE	2722	1373	7003 4096	2048
BT86-1	2658	1706	7034 4364	2182
LEO	3061	1699	7001 4760	2380
VIKING	2589	1713	7004 4302	2151
PS01004	3079	1612	7033 4691	2346
MAITLAND	3011	2244	7010 5255	2628
MEAN	2853	1725	4578	
CV (%)	11.9	12.9	9.4	

ONTARIO FORAGE CROP COMMITTEE
1986 KAPUSKASING TREFOIL TEST
1987 MEAN YIELD (kg/ha)

A: TK 86.87

VARIETY	CUT 1 23/6/87	CUT 2 7/8/87	TOTAL	MEAN
EMPIRE	2941	2127	7003 5068	2534
BT86-1	2918	2382	7034 5300	2650
LEO	2899	2281	7001 5180	2590
VIKING	2635	2355	7004 4990	2495
PS01004	2866	2347	7033 5213	2607
MAITLAND	2515	2370	7010 4885	2443
MEAN	2796	2310	5106	

PICKSEED PRIVATE TRIAL
1986 BLENHEIM TREFOIL TEST
1987 MEAN YIELD (T/ha)

A: TB86-87

VARIETY		CUT 1	CUT 2	CUT 3	TOTAL	MEAN
BT86-1	7034	7.779	2.670	2.095	12.544	4.181
LEO	7001	5.624	2.269	1.836	9.729	3.243
UPSTART	7033	6.186	2.216	1.980	10.382	3.461
79055	7032	8.075	2.188	1.854	12.117	4.039
01-1984-1	7038	7.843	2.660	2.204	12.707	4.236
RC4	7031	7.581	2.180	1.999	11.760	3.920
MEAN		7.181	2.364	1.995	11.760	
CV (%)		8.37	10.83	10.24	7.59	
L.S.D.(5%)		1.165	0.441	0.355	1.514	

PICKSEED PRIVATE TRIAL
1986 ELMIRA TREFOIL TEST
1987 MEAN YIELD (T/ha)

A: TE86-87

VARIETY		CUT 1	CUT 2	CUT 3	TOTAL	MEAN
BT86-1	7034	5.590	3.050	3.724	12.363	4.121
LEO	7001	4.162	2.667	3.278	10.106	3.369
UPSTART	7033	5.050	2.662	3.272	10.984	3.661
79055	7032	4.780	2.565	2.941	10.286	3.429
01-1984-1	7038	5.475	3.002	3.705	12.182	4.061
RC4	7031	5.236	2.554	3.252	11.042	3.681
MEAN		5.049	2.750	3.362	11.161	
CV (%)		7.63	3.57	6.58	3.56	
L.S.D.(5%)		0.666	0.173	0.383	0.688	

RED CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recomended Varieties

Arlington	Lakeland	Persist
Florex	Prosper I	

Varieties Under Test

Station Years

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>of Data</u>
4037	Kuhn	Landis	No Support, testing completed	
4036	W116 (Atlas)	N.K.	Support for licence, Def. (2)	10
4038	BCHG 0384	Bonis	No support, testing completed	
4039	OT83-1	Ottawa Rs. St.	No support, testing completed	
4040	Molly	Bonis	No support, re-examine 1988	10
4045	Viola	Nemec	No support, re-examine 1988	10
4041	W-111	N.K.	No support, re-examine 1988	12
4042	W-113	N.K.	No support, re-examine 1988	12
4043	Violetta	Oseco	No support, re-examine 1988	10
4044	Reddy	U.C.O.	No support, re-examine 1988	10
4047	Hamidori 4N	King	No support, testing completed	
4046	Hamidori 2N	King	No support, testing completed	
4048	03-1982-1	Pickseed	No support, re-examine 1988	8
4049	Starglo	Oseco	No support, re-examine 1988	7
4050	Marino	Pickseed		5
4051	Marcom	Nemec		4
4052	Lossam	Nemec		4
4053	CRS1	Charlottetown		4
4054	CRS2	Charlottetown		0
4055	WRC	Pickseed		0

*do not
enter*

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

CODE	VARIETY	KEMPTVILLE	OTTAWA	THUNDER BAY	NEW LISKEARD	MEAN
4002	LAKELAND	7345	8201	4776	6893	6804
4003	OTTAWA	7119	8346	4247	7470	6796
4017	FLOREX	8154	7825	5366	7422	7192
4023	ARLINGTON	6969	8450	4130	7450	6750
4027	PROSPER 1	7748	8234	4703	8554	5373
4040	MOLLY	8061	7964	4905	7401	7083
4041	W111	7315	8341	4291	7302	6812
4042	W113	7611	8258	4816	7329	7004
4043	VIOLETTA	7595	9091	3526	7147	6840
4044	REDDY	7449	8188	4744	7931	7078
4045	VIOLA	8016	8521	4485	6585	6902
4048	03-1982-1	6741	8005	3367	7098	6303
4049	STARGLO	7341	7986	4400	8183	6978
4050	MARINO	7589	8831	5354	6630	5204
4051	MARCOM	7287	9149	3330	8033	6950
4052	LOSSAM	8054	8829	4792	6680	7089
4053	CRS 1	7462	8869	4332	5382	6511

EXPT 3004

 ONTARIO FORAGE CROP COMMITTEE
 1986 KEMPTVILLE RED CLOVER
 1987 MEAN YIELD (kg/ha)

A/RCKEMPT86 & 87

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
4002	LAKELAND	4816	2529	7345	3673
4003	OTTAWA	4298	2821	7119	3560
4017	FLOREX	5589	2564	8154	4077
4023	ARLINGTON	4456	2513	6969	3485
4027	PROSPER 1	5009	2739	7748	3874
4040	MOLLY	5968	2093	8061	4031
4041	W111	4375	2939	7315	3658
4042	W113	4816	2795	7611	3806
4043	VIOLETTA	4998	2596	7595	3798
4044	REDDY	4558	2890	7449	3725
4045	VIOLA	5221	2795	8016	4008
4048	03-1982-1	4085	2656	6741	3371
4049	STARGLO	4600	2741	7341	3671
4050	MARINO	4916	2673	7589	3795
4051	MARCOM	4630	2657	7287	3644
4052	LOSSAM	5523	2531	8054	4027
4053	CRS 1	4894	2568	7462	3731
MEAN		4868	2653	7521	
CV (%)		9.0	7.5	6.0	
LSD (5%)		523.4	237.6	535.3	

ONTARIO FORAGE CROP COMMITTEE
 1986 OTTAWA RED CLOVER
 1987 MEAN YIELD (kg/ha)

A: RCO 86 87

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
4002	LAKELAND	5655	2546	8201	4101
4003	OTTAWA	5245	3101	8346	4173
4017	FLOREX	5468	2357	7825	3913
4023	ARLINGTON	5445	3005	8450	4225
4027	PROSPER 1	5521	2713	8234	4117
4040	MOLLY	6080	1884	7964	3982
4041	W111	5357	2984	8341	4171
4042	W113	5370	2888	8258	4129
4043	VIOLETTA	5804	3287	9091	4546
4044	REDDY	5154	3034	8188	4049
4045	VIOLA	5156	3354	8521	4261
4048	03-1982-1	4916	3089	8005	4003
4049	STARGLO	4949	3037	7986	3993
4050	MARINO	5768	3063	8831	4416
4051	MARCOM	6001	3148	9149	4575
4052	LOSSAM	5697	3132	8829	4415
4053	CRS 1	6026	2843	8869	4435
CV (%)		12.8	5.1		

EXPT 7179

 ONTARIO FORAGE CROP COMMITTEE
 1986 THUNDER BAY RED CLOVER
 1987 MEAN YIELD (kg/ha)

A: RCTB 86-87

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
4002	LAKELAND	2865	1911	4776	2388
4003	OTTAWA	2513	1734	4247	2124
4017	FLOREX	3613	1753	5366	2683
4023	ARLINGTON	2482	1649	4130	2065
4027	PROSPER 1	3125	1579	4703	2352
4040	MOLLY	3323	1582	4905	2453
4041	W111	2731	1561	4291	2146
4042	W113	2858	1958	4816	2408
4043	VIOLETTA	1894	1632	3526	1763
4044	REDDY	2824	1921	4744	2372
4045	VIOLA	2614	1871	4485	2243
4048	03-1982-1	1844	1523	3367	1684
4049	STARGLO	2708	1693	4400	2200
4050	MARINO	3405	1949	5354	2677
4051	MARCOM	1643	1687	3330	1665
4052	LOSSAM	2704	2089	4792	2396
4053	CRS 1	2598	1734	4332	2166
MEAN		2691	1754	4445	
CV (%)		19.0	14.6	15.2	
LSD (5%)		607.7	305.8	802.9	

EXPT 8202

 ONTARIO FORAGE CROP COMMITTEE
 1986 NEW LISKEARD RED CLOVER
 1987 MEAN YIELD (kg/ha)

A: RCN 86-87

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
4002	LAKELAND	4255	2638	6893	3447
4003	OTTAWA	5138	2332	7470	3735
4017	FLOREX	4731	2691	7422	3711
4023	ARLINGTON	5002	2448	7450	3725
4027	PROSPER 1	6204	2351	8554	4277
4040	MOLLY	4813	2588	7401	3701
4041	W111	4785	2516	7302	3651
4042	W113	4428	2901	7329	3665
4043	VIOLETTA	4517	2630	7147	3572
4044	REDDY	4882	3048	7931	3966
4045	VIOLA	3872	2713	6585	3293
4048	03-1982-1	4463	2635	7098	3549
4049	STARGLO	5471	2711	8183	4092
4050	MARINO	3901	2729	6630	3315
4051	MARCOM	5110	2924	8033	4017
4052	LOSSAM	4510	2170	6680	3340
4053	CRS 1	3537	1844	5382	2691
MEAN		4683	2581	7264	
CV (%)		7.5%	5.9%	9.9%	
LSD (5%)		418	180	852	

EXPT 8201

 ONTARIO FORAGE CROP COMMITTEE
 1985 NEW LISKEARD RED CLOVER
 1987 MEAN YIELD (kg/ha)

A: RCNL 85.87

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
4002	LAKELAND	4786	3069	7855	3928
4003	OTTAWA	3797	3033	6829	3415
4017	FLOREX	5225	3157	8382	4191
4023	ARLINGTON	4509	3033	7543	3772
4027	PROSPER 1	4968	3265	8233	4117
4038	BHCG0384	5205	2108	7313	3657
4039	OT83-1	5080	2937	8017	4009
4040	MOLLY	3935	2432	6367	3184
4041	W111	4517	2985	7502	3751
4042	W113	4534	3226	7760	3880
4043	VIOLETTA	3564	3107	6670	3335
4044	REDDY	4192	3232	7424	3772
4045	VIOLA	3834	2899	6732	3366
4046	HAMIDORI 2N	4996	2822	7818	3909
4047	HAMIDORI 4N	4518	3124	7642	3821
4048	03-1982-1	3219	2747	5966	2983
4049	STARGLO	3836	2944	6780	3390
MEAN		4395	2948	7343	
CV (%)		8.0%	12.3%	8.1%	
LSD (5%)		418	430	705	

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

86/
 A:RCB87

VARIETY		CUT 1	CUT 2	TOTAL	MEAN
FLOREX	4017	6.844	2.336	9.180	4.590
MARINO	4050	6.585	2.143	8.728	4.364
03-1982-1	4048	6.400	1.978	8.378	4.189
WRC	4055	7.035	2.585	9.162	4.811
P816	1	6.135	1.606	7.740	3.870
ALBATROS	2	6.115	1.873	7.789	3.895
415	3	6.491	2.389	8.880	4.440
RENOVA	4	5.592	2.053	7.645	3.823
CV (%)		4.36	13.47	5.17	
LSD (5%)		0.455	0.467	0.718	

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

86/
 A:RC ELM 87

VARIETY		CUT 1	CUT 2	CUT 3	TOTAL	MEAN
FLOREX	4017	5.144	2.503	3.734	11.381	5.691
MARINO	4050	4.930	2.867	3.179	10.975	5.488
03-1982-1	4048	4.854	3.097	3.639	11.590	5.795
WRC	4055	5.243	2.519	3.848	11.610	5.805
P816	1	4.856	2.701	3.641	11.197	5.599
ALBATROS	2	4.669	2.888	3.360	10.917	5.459
415	3	4.493	2.682	3.435	10.610	5.305
RENOVA	4	4.244	3.177	3.767	11.188	5.594
CV (%)		7.07	7.56	5.07	5.13	
LSD (5%)		0.553	0.346	0.296	0.937	

A-RCLELOR84.87

Exp. 2533 Red clover variety trial. Seeded 1984 Elora.
Percent survival, April 21, 1987.

CULTIVAR	% SURVIVAL
4041 W111	87.
4034 W115	84.
4036 W116	81.
4027 PROSPER I	79.
4017 FLOREX	76.
4023 ARLINGTON	76.
4035 YKYC	75.
4047 4X HAMIDORI	75.
4042 W113	74.
4044 REDDY	70.
4003 OTTAWA	65.
4039 OT83-1	63.
4002 LAKELAND	59.
4046 2X HAMIDORI	43.
4038 BCHG0384	38.
4043 VIOLETTA	37.
4045 VIOLA	33.
4037 KUHN	26.
4040 MOLLY	7.
LSD (0.05)	18.4

- persistence info file

 XXX

1987 White Clover Summary

Only one test was harvested in 1987 - Kemptville 86-87. CV was too high to be accepted.

WHITE CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended Varieties

Sacramento	California Ladino	Merit
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Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	Station Year of Data
8009	Crown	Nemec	Support for licence, def (2)	-
8010	Canopy	Nemec	Support for licence, def (2)	-

BROME GRASS VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended Varieties

Baylor	Beacon	Saratoga
Tempo	Bravo	

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	Station Years <u>of Data</u>
2044	Ott-XBC 2	Ottawa		0
2045	OTT-XBC 4	Ottawa		0

EXPT 8306

ONTARIO FORAGE CROP COMMITTEE
1985 BROMEGRASS NEW LISKEARD
1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
2001	BAYLOR	6076	4782	10858	5429
2002	SARATOGA	5697	4841	10538	5269
2012	BLAIR	5774	4631	10405	5203
2024	TEMPO	6146	5416	11562	5781
2027	BEACON	5872	4639	10511	5256
2030	BROMEX	5917	4595	10512	5256
2039	BRAVO	6115	5130	11245	5622
MEAN		5943	4862	10804	
CV (%)		4.4	6.4	5.0	

EXPT 8306

ONTARIO FORAGE CROP COMMITTEE
1985 BROMEGRASS NEW LISKEARD
1986/87 2 YEAR MEAN (kg/ha)

CODE	VARIETY	86 TOTAL	87 TOTAL	MEAN
2001	BAYLOR	9491	10858	10175
2002	SARATOGA	9719	10538	10129
2012	BLAIR	9608	10405	10007
2024	TEMPO	9823	11562	10693
2027	BEACON	9677	10511	10094
2030	BROMEX	9841	10512	10177
2039	BRAVO	10071	11245	10658

EXPT 6014

ONTARIO FORAGE CROP COMMITTEE
1985 BROMEGRASS KAPUSKASING
1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
2001	BAYLOR	5441	4745	10186	5093
2002	SARATOGA	5817	4716	10533	5267
2012	BLAIR	5436	4375	9811	4906
2024	TEMPO	5216	4569	9784	4892
2027	BEACON	5532	4570	10103	5052
2030	BROMEX	5299	4549	9848	4924
2039	BRAVO	5542	5107	10649	5325
MEAN		5469	4662	10131	
CV (%)		5.34	7.65	4.73	

ONTARIO FORAGE CROP COMMITTEE
1985 BROMEGRASS
2 STATION MEAN YIELD (kg/ha)

CODE	VARIETY	NEW LISKEARD		KAPUSKASING	MEAN
		86 TOTAL	87 TOTAL	87 TOTAL	
2001	BAYLOR	9491	10858	10186	10178
2002	SARATOGA	9719	10538	10533	10263
2012	BLAIR	9608	10405	9811	9941
2024	TEMPO	9823	11562	9784	10390
2027	BEACON	9677	10511	10103	10097
2030	BROMEX	9841	10512	9848	10067
2039	BRAVO	10071	11245	10649	10655

REED CANARY VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended Varieties

Vantage Venture Palaton

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
5014	Rival	University of Manitoba	No support, testing completed	

EXPT 8305

ONTARIO FORAGE CROP COMMITTEE
1985 REED CANARYGRASS NEW LISKEARD
1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5002	FRONTIER	4861	2853	7713	3857
5005	RISE	5503	2968	8471	4236
5010	GROVE	4913	2874	7788	3894
5011	VANTAGE	5306	3017	8323	4162
5013	PALATON	5204	2512	7716	3858
5014	REGALE	4645	2536	7181	3591
5015	3-425	4929	3260	8188	4094
5016	VENTURE	4622	2683	7304	3652
MEAN		4998	2838	7836	
CV (%)		4.1	11.5	5.2	

ONTARIO FORAGE CROP COMMITTEE
1985 REED CANARYGRASS NEW LISKEARD
2 YEAR MEAN YIELD (kg/ha)

CODE	VARIETY	86 TOTAL	87 TOTAL	MEAN
5002	FRONTIER	9417	7713	8565
5005	RISE	7205	8471	7838
5010	GROVE	8529	7788	8159
5011	VANTAGE	8945	8323	8634
5013	PALATON	8582	7716	8149
5014	REGALE	8931	7181	8056
5015	3-425	9629	8188	8909
5016	VENTURE	8252	7304	7778

EXPT 8302

ONTARIO FORAGE CROP COMMITTEE
1984 REED CANARYGRASS NEW LISKEARD
1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5002	FRONTIER	3095	4875	7970	3985
5005	RISE	3623	4834	8457	4229
5010	GROVE	3131	5171	8301	4151
5011	VANTAGE	3585	5093	8678	4339
5013	PALATON	3237	4506	7743	3872
5014	REGAL	3278	4557	7835	3918
5015	3-425	3251	5383	8634	4317
5016	VENTURE	3184	4149	7333	3667
MEAN		3298	4821	8119	
CV (%)		8.1	6.1	5.2	

EXPT 8302

ONTARIO FORAGE CROP COMMITTEE
1984 REED CANARYGRASS NEW LISKEARD
3 YEAR MEAN YIELD (kg/ha)

CODE	VARIETY	85 TOTAL	86 TOTAL	87 TOTAL	MEAN
5002	FRONTIER	7472	10686	7970	8709
5005	RISE	7831	10446	8457	8911
5010	GROVE	7587	10492	8301	8793
5011	VANTAGE	7772	10426	8678	8959
5013	PALATON	7498	9940	7743	8394
5014	REGAL	7414	9116	7835	8122
5015	3-425	6904	10275	8634	8604
5016	VENTURE	7483	9042	7333	7953

ORCHARD GRASS VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended Varieties

Hallmark	Juno	Napier
Rancho	Sumas	Kay

Varieties Under Test

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
3064	K8-122	N.K.	Support for lic. Def. (3)	-
3066	14011	Pickseed	Support for lic. Def. (3)	-
3068	14-78-3	Pickseed	Dropped at Company request	
3065	OAC 84-117	U. of Guelph	Support for registration Def (1)	
3067	OAC 84-118	U. of Guelph	Support for registration Def (1)	
3070	SF 8501	St. Foy		2
3071	Pacific	Oseco		0
3072	DS 7	Parsons		0

ONTARIO FORAGE CROP COMMITTEE
SUMMARY OF ORCHARDGRASS VARIETIES
ELIGIBLE FOR RECOMENDATION 1987

EARLY						
1984 SEEDING						
	GUELPH		OTTAWA		NEW LISKEARD	
	1985	1986	1985	1986	1985	1986
HALLMARK (CK)	15061	9884	8946	8428	6675	8920
84-117	15907	10111	8740	8288	7325	8551
84-118	14950	10109	8625	8039	6769	8602

1985 SEEDING					10
	OTTAWA		NEW LISKEARD		STATION
	1986	1987	1986	1987	MEAN
HALLMARK (CK)	8670	7284	10363	8040	9184
84-117	7332	7676	10160	8181	9227
84-118	8401	8443	10579	8216	9274

1986 SEEDING				12
	OTTAWA		THUNDER BAY	STATION
				MEAN
HALLMARK (CK)	8726		3828	8735
84-117	8315		5021	8801
84-118	8913		4870	8876

ONTARIO FORAGE CROP COMMITTEE
1985 ORCHARDGRASS
2 STATION MEAN

CODE	VARIETY	OTTAWA		NEW LISKEARD		MEAN
		1986	1987	1986	1987	
3001	JUNO	8411	7269	10245	8183	8527
3003	KAY	6738	7320	10857	8246	8290
3009	NAPIER	8779	8764	10524	8087	9039
3024	INA	8442	8146	10482	8436	8877
3027	HALLMARK	8670	7284	10363	8040	8589
3046	SUMAS	8602	7573	10499	8054	8682
3065	84-117	7332	7676	10160	8181	8337
3066	14011	8055	7432	10527	8463	8619
3067	84-118	8401	8443	10579	8216	8910
3068	14-78-3	7918	7252	10069	8542	8445
3069	RANCHO	8121	6916	10196	8663	8474

ONTARIO FORAGE CROP COMMITTEE
1986 ORCHARDGRASS
2 STATION MEAN

CODE	VARIETY	OTTAWA	THUNDER BAY	MEAN
3001	JUNO	8522	5227	6875
3003	KAY	8780	5460	7120
3009	NAPIER	9230	4415	6823
3024	INA	7623	4789	6206
3027	HALLMARK	8726	3828	6277
3046	SUMAS	8275	4845	6560
3065	84-117	8315	5021	6668
3067	84-118	8913	4870	6892
3068	14-78-3	8198	5334	6766
3069	RANCHO	8221	4849	6535
3070	SF8501	8043	5655	6849

EXPT 4185

 ONTARIO FORAGE CROP COMMITTEE
 1985 OTTAWA ORCHARDGRASS
 1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
3001	JUNO	4831	2438	7269	3635
3003	KAY	4853	2467	7320	3660
3009	NAPIER	5849	2916	8764	4382
3024	INA	5084	3063	8146	4073
3027	HALLMARK	4447	2838	7284	3642
3046	SUMAS	4842	2731	7573	3787
3065	84-117	4965	2712	7676	3838
3066	14011	4820	2612	7432	3716
3067	84-118	5852	2591	8443	4222
3068	14-78-3	4688	2564	7252	3626
3069	RANCHO	4365	2551	6916	3458
MEAN		4963	2680	7643	
CV (%)		17.90	17.33	13.0	

EXPT 4185

ONTARIO FORAGE CROP COMMITTEE
1985 OTTAWA ORCHARDGRASS
1986/87 2 YEAR MEAN (kg/ha)

CODE	VARIETY	86 TOTAL	87 TOTAL	MEAN
3001	JUNO	8411	7269	7840
3003	KAY	6738	7320	7029
3009	NAPIER	8779	8764	8772
3024	INA	8442	8146	8294
3027	HALLMARK	8670	7284	7977
3046	SUMAS	8602	7573	8088
3065	84-117	7332	7676	7504
3066	14011	8055	7432	7744
3067	84-118	8401	8443	8422
3068	14-78-3	7918	7252	7585
3069	RANCHO	8121	6916	7519

EXPT 8309

ONTARIO FORAGE CROP COMMITTEE
 1985 NEW LISKEARD ORCHARDGRASS
 1987 MEAN YIELD KA/HA

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
3001	JUNO	4531	3652	8183	4092
3003	KAY	4467	3779	8246	4123
3009	NAPIER	4381	3705	8087	4044
3024	INA	4201	4235	8436	4218
3027	HALLMARK	4093	3949	8040	4020
3046	SUMAS	4340	3713	8054	4027
3065	84-117	4534	3648	8181	4091
3066	14011	4314	4149	8463	4232
3067	84-118	4706	3510	8216	4108
3068	14-78-3	4698	3844	8542	4271
3069	RANCHO	4583	4079	8663	4332
MEAN		4441	3842	8283	
CV (%)		5.2	10.9	6.9	

EXPT 8309

ONTARIO FORAGE CROP COMMITTEE
1985 NEW LISKEARD ORCHARDGRASS
1986/87 2 YEAR MEAN (kg/ha)

CODE	VARIETY	86 TOTAL	87 TOTAL	MEAN
3001	JUNO	10245	8183	9214
3003	KAY	10857	8246	9552
3009	NAPIER	10524	8087	9306
3024	INA	10482	8436	9459
3027	HALLMARK	10363	8040	9202
3046	SUMAS	10499	8054	9277
3065	84-117	10160	8181	9172
3066	14011	10527	8463	9495
3067	84-118	10579	8216	9398
3068	14-78-3	10069	8542	9306
3069	RANCHO	10196	8663	9430

EXPT 4186

 ONTARIO FORAGE CROP COMMITTEE
 1986 OTTAWA ORCHARDGRASS
 1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
3001	JUNO	4957	3565	8522	4261
3003	KAY	4928	3852	8780	4390
3009	NAPIER	5077	4154	9230	4615
3024	INA	3945	3678	7623	3812
3027	HALLMARK	5020	3706	8726	4363
3046	SUMAS	5068	3207	8275	4138
3065	84-117	4852	3462	8315	4158
3067	84-118	5579	3334	8913	4457
3068	14-78-3	4731	3467	8198	4099
3069	RANCHO	4211	4010	8221	4111
3070	SF8501	4600	3443	8043	4022
MEAN		4927	3710	8848	
CV (%)		12.03	9.61	7.18	

EXPT 7182

 ONTARIO FORAGE CROP COMMITTEE
 1986 THUNDER BAY ORCHARDGRASS
 1987 MEAN YIELD KA/HA

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
3001	JUNO	3566	1661	5227	2614
3003	KAY	3678	1782	5460	2730
3009	NAPIER	2723	1692	4415	2208
3024	INA	3104	1685	4789	2395
3027	HALLMARK	2381	1447	3828	1914
3046	SUMAS	3319	1526	4845	2423
3065	84-117	3219	1802	5021	2511
3067	84-118	3188	1682	4870	2435
3068	14-78-3	3324	2010	5334	2667
3069	RANCHO	3062	1786	4849	2425
3070	SF8501	4183	1472	5655	2828
MEAN		3250	1686	4936	
CV (%)		10.4	11.8	8.4	

MEADOW FOXTAIL VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended in Publication 296

Dan

Varieties Under TestStation Years
of Data

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
5502	82007	Pickseed	No support, testing completed	
5503	82008	Pickseed	Supported for lic. Def. (2)	
5504	G4549	OFCC	Supported for lic. Def. (2)	
5505	Comp 82	OFCC	No support, testing completed	
5507	G4554	OFCC	Supported for lic. Def. (2)	
5508	G4550	OFCC	Supported for lic., def (1)	
5509	G4555	OFCC	No support, testing completed	
5510	G4552	OFCC	No support, testing completed	
5511	G4553	OFCC	No support, testing completed	
5512	G4551	OFCC	No support, testing completed	
5513	Comp 81	OFCC	No support, testing completed	

ONTARIO FORAGE CROP COMMITTEE
1984 MEADOW FOXTAIL SUMMARY
MEAN YIELD (kg/ha)

CODE	VARIETY	NEW LISKEARD			KAPUSKASING		
		1985	1986	1987	1985	1986	1987
5501	DAN	5473	6593	4573	8412	3809	5024
5502	82007	5432	6869	4624	7312	3726	4957
5503	82008	5208	6446	4613	8409	4093	5244
5504	G4549	5006	6570	4473	8350	4110	5116
5505	COMP82	5346	6134	4619	8779	3846	4827
5507	G4554	5351	6421	4377	8576	4267	5386
5508	G4550	5105	6447	4537	8759	4013	5224
5509	G4555	4784	6043	4201	7814	4026	5093
5510	G4552	5171	6742	4234	8012	3632	5185
5511	G4553	5003	6280	4149	8804	4020	5549
5512	G4551	5511	6362	3839	8524	3762	4704
5513	COMP81	5478	6084	4336	8877	4190	5440

CODE	VARIETY	THUNDER BAY		1987	9/YR. MEAN
		1985	1986		
5501	DAN	7892	4239	3976	5551
5502	82007	7499	3094	3743	5251
5503	82008	7929	4431	4190	5618
5504	G4549	7714	4168	3511	5446
5505	COMP82	7479	4407	3698	5459
5507	G4554	7574	4300	3660	5546
5508	G4550	8230	4038	3755	5568
5509	G4555	7562	3653	3836	5224
5510	G4552	8125	4177	3758	5448
5511	G4553	7709	3898	3634	5450
5512	G4551	8685	4174	3526	5454
5513	COMP81	7920	4099	3444	5541

ONTARIO FORAGE CROP COMMITTEE
1985 MEADOW FOXTAIL SUMMARY
MEAN YIELD (kg/ha)

CODE	VARIETY	NEW LISKEARD		THUNDER BAY		4/YR. MEAN
		1986	1987	1986	1987	
5501	DAN	6165	3311	4561	4304	4585
5502	82007	5908	2931	4238	3832	4227
5503	82008	6339	3196	4410	3892	4459
5504	G4549	6136	3268	4081	3796	4321
5507	G4554	6215	3316	4002	3714	4312
5508	G4550	5775	3430	4051	4153	4352
5509	G4555	5822	3202	3765	3850	4160
5510	G4552	6282	3204	3793	3650	4232
5511	G4553	6354	2949	3963	3633	4225
5512	G4551	5830	2958	3644	3643	4019

EXPT 8304

 ONTARIO FORAGE CROP COMMITTEE
 1984 MEADOW FOXTAIL NEW LISKEARD
 1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	CUT 3	CUT 4	TOTAL	MEAN
5501	DAN	3503	1296	1070	1232	4573	1143
5502	82007	3451	1345	1173	1071	4624	1156
5503	82008	3428	1457	1185	1252	4613	1153
5504	G4549	3380	1322	1092	1182	4473	1118
5505	COMP82	3311	1475	1308	1227	4619	1155
5507	G4554	3312	1376	1066	1173	4377	1094
5508	G4550	3413	1367	1124	1228	4537	1134
5509	G4555	3188	1237	1014	1244	4201	1050
5510	G4552	3169	1167	1065	1094	4234	1059
5511	G4553	3157	1135	992	1192	4149	1037
5512	G4551	2925	1056	914	1009	3839	9598
5513	COMP81	3184	1311	1153	1087	4336	1084
MEAN		3285	1295	1096	1166	4381	
CV (%)		5.5	12.7	17.9	13.7	10.5	
DATE CUT		26/5/87	11/6/87	8/7/87	11/8/87		

EXPT 8304

ONTARIO FORAGE CROP COMMITTEE
1984 MEADOW FOXTAIL NEW LISKEARD
3 YEAR MEAN YIELD (kg/ha)

CODE	VARIETY	85 TOTAL	86 TOTAL	87 TOTAL	3/YR MEAN
5501	DAN	5473	6593	4573	5546
5502	82007	5432	6869	4624	5642
5503	82008	5208	6446	4613	5422
5504	G4549	5006	6570	4473	5350
5505	COMP82	5346	6134	4619	5366
5507	G4554	5351	6421	4377	5383
5508	G4550	5105	6447	4537	5363
5509	G4555	4784	6043	4201	5009
5510	G4552	5171	6742	4234	5382
5511	G4553	5003	6280	4149	5144
5512	G4551	5511	6362	3839	5237
5513	COMP81	5478	6084	4336	5299

EXPT 6204

 ONTARIO FORAGE CROP COMMITTEE
 1984 MEADOW FOXTAIL KAPUSKASING
 1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	CUT 3	CUT 4	TOTAL	MEAN
5501	DAN	1725	1113	599	1587	5024	1256
5502	82007	1774	1161	513	1510	4957	1239
5503	82008	1736	1189	603	1715	5244	1311
5504	G4549	1699	1234	629	1555	5116	1279
5505	COMP82	1676	1100	561	1491	4827	1207
5507	G4554	1885	1354	561	1587	5386	1347
5508	G4550	1800	1178	581	1665	5224	1306
5509	G4555	1731	1219	620	1523	5093	1272
5510	G4552	1755	1155	624	1651	5185	1446
5511	G4553	1736	1424	661	1728	5549	1387
5512	G4551	1576	1102	557	1469	4704	1176
5513	COMP81	1921	1297	569	1653	5440	1360
MEAN		1751	1210	590	1594	5146	
CV (%)		10.93	14.51	8.63	9.80	8.75	
DATE CUT		26/5/87	18/6/87	10/7/87	18/8/87		

EXPT 6204

ONTARIO FORAGE CROP COMMITTEE
1984 MEADOW FOXTAIL KAPUSKASING
3 YEAR MEAN YIELD (kg/ha)

CODE	VARIETY	1985 TOTAL	1986 TOTAL	1987 TOTAL	3/YR. MEAN
5501	DAN	8412	3809	5024	5784
5502	82007	7312	3726	4957	5332
5503	82008	8409	4093	5244	5915
5504	G4549	8350	4110	5116	5859
5505	COMP82	8779	3846	4827	5817
5507	G4554	8576	4267	5386	6076
5508	G4550	8759	4013	5224	5999
5509	G4555	7814	4026	5093	5644
5510	G4552	8012	3632	5185	5610
5511	G4553	8804	4020	5549	6124
5512	G4551	8524	3762	4704	5663
5513	COMP81	8877	4190	5440	6169

EXPT 7166

 ONTARIO FORAGE CROP COMMITTEE
 1984 MEADOW FOXTAIL THUNDER BAY
 1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
5501	DAN	2395	561	1020	3976	1325
5502	82007	2249	612	883	3743	1248
5503	82008	2416	708	1067	4190	1397
5504	G4549	2041	549	922	3511	1170
5505	COMP82	2066	611	1021	3698	1233
5507	G4554	2129	672	860	3660	1220
5508	G4550	2143	666	946	3755	1252
5509	G4555	2181	733	922	3836	1279
5510	G4552	2285	573	900	3758	1253
5511	G4553	2038	729	868	3634	1211
5512	G4551	2111	646	769	3526	1175
5513	COMP81	2185	533	727	3444	1148
MEAN		2186	633	909	3727	
CV (%)		7.9	16.2	12.3	6.7	

EXPT 7166

ONTARIO FORAGE CROP COMMITTEE
1984 MEADOW FOXTAIL THUNDER BAY
3 YEAR MEAN YIELD (kg/ha)

CODE	VARIETY	1985 TOTAL	1986 TOTAL	1987 TOTAL	3/YR. MEAN
5501	DAN	7892	4239	3976	5369
5502	82007	7499	3094	3743	4779
5503	82008	7929	4431	4190	5517
5504	G4549	7714	4168	3511	5131
5505	COMP82	7479	4407	3698	5195
5507	G4554	7574	4300	3660	5178
5508	G4550	8230	4038	3755	5341
5509	G4555	7562	3653	3836	5017
5510	G4552	8125	4177	3758	5353
5511	G4553	7709	3898	3634	5080
5512	G4551	8685	4174	3526	5462
5513	COMP81	7920	4099	3444	5154

EXPT 8308

ONTARIO FORAGE CROP COMMITTEE
1985 MEADOW FOXTAIL NEW LISKEARD
1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5501	DAN	2038	1273	3311	1656
5502	82007	1903	1028	2931	1466
5503	82008	2011	1185	3196	1598
5504	G4549	2051	1217	3268	1634
5507	G4554	2073	1243	3316	1658
5508	G4550	1954	1476	3430	1715
5509	G4555	1915	1287	3202	1601
5510	G4552	1970	1234	3204	1602
5511	G4553	1908	1041	2949	1475
5512	G4551	1860	1098	2958	1479
MEAN		1968	1208	3176	
CV (%)		12.6	32.9	17.4	

EXPT 8308

ONTARIO FORAGE CROP COMMITTEE
1985 MEADOW FOXTAIL NEW LISKEARD
2 YEAR MEAN YIELD (kg/ha)

CODE	VARIETY	1986 TOTAL	1987 TOTAL	2/YR. MEAN
5501	DAN	6165	3311	4738
5502	82007	5908	2931	4420
5503	82008	6339	3196	4767
5504	G4549	6136	3268	4702
5507	G4554	6215	3316	4766
5508	G4550	5775	3430	4603
5509	G4555	5822	3202	4512
5510	G4552	6282	3204	4743
5511	G4553	6354	2949	4652
5512	G4551	5830	2958	4394

EXPT 7175

ONTARIO FORAGE CROP COMMITTEE
1985 MEADOW FOXTAIL THUNDER BAY
1987 MEAN YIELD (kg/ha)

CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
5501	DAN	2300	616	1388	4304	1435
5502	82007	2170	621	1042	3832	1277
5503	82008	2099	683	1110	3892	1297
5504	G4549	2102	658	1037	3796	1265
5507	G4554	2027	629	1058	3714	1238
5508	G4550	2201	672	1281	4153	1384
5509	G4555	2103	735	1012	3850	1283
5510	G4552	2001	663	986	3650	1217
5511	G4553	2083	544	1007	3633	1211
5512	G4551	1983	777	883	3643	1214

EXPT 7175

ONTARIO FORAGE CROP COMMITTEE
1985 MEADOW FOXTAIL THUNDER BAY
2 YEAR MEAN YIELD (kg/ha)

CODE	VARIETY	1986 TOTAL	1987 TOTAL	2/YR. MEAN
5501	DAN	4561	4304	4433
5502	82007	4238	3832	4035
5503	82008	4410	3892	4151
5504	G4549	4081	3796	3939
5507	G4554	4002	3714	3858
5508	G4550	4051	4153	4102
5509	G4555	3765	3850	3808
5510	G4552	3793	3650	3722
5511	G4553	3963	3633	3798
5512	G4551	3644	3643	3644

TIMOTHY VARIETIES

CURRENT STATUS OF VARIETIES - Feb. 1, 1988

Recommended in Publication 296

Toro	Itasca	Alexander
Basho	Timfor	Richmond
Champ	Climax	Salvo
Mariposa	Winmor	

Varieties Under Test

Station Year

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>of Data</u>
6074	K215	N.K.	4 year deferral expired	-
6087	81006	Pickseed	Support for licence def (2)	
6091	Tiller	Oseco	No support, testing completed	
6090	Korpa	Oseco	No support, testing completed	
6089	OT PX2	Ottawa	No support, testing completed	
6092	81005	Pickseed	No support, testing completed	
6093	81009	Pickseed	Support for registration, def (1)	
6088	OTPX5	Ottawa	No support, testing completed	
6094	Barliza	Oseco	No support '87, re-examine '88	9
6095	WWT100	Oseco	Support for registration, def (1)	9
6096	Alma	Oseco	No support '87, re-examine '88	9
6097	WWT118	Oseco		3
6098	TM85-1	Pickseed		3
6099	TM85-2	Pickseed		3
6100	Lirocco	Oseco		0
6101	Hokusen	Oseco		0
6102	Syn s	UCO		0
6066	Mohawk	UCO		0

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Timothy Strains - Yield
(% Climax)

<u>Strain</u>	<u>Southern Ontario</u>		<u>Northern Ontario</u>	
	<u>1st Year</u>	<u>2nd Year</u>	<u>1st Year</u>	<u>2nd Year</u>
Climax-Check	100	100	100	100
Tiller	100	99	92	83
Korpa	81	78	86	--
OT PX2	97	97	101	--
81005	103	100	93	98
81009	104	99	103	111
OHPX5	87	92	91	105
Barliza	91	95	92	95
Alma	92	89	92	102
WWT100	106	--	109	--

Timothy Performance - Yields
(% Climax)

<u>Cultivar or Strain</u>	<u>Southern Ontario</u>		<u>Northern Ontario</u>	
	<u>1st Year</u>	<u>2nd Year</u>	<u>1st Year</u>	<u>2nd Year</u>
Climax	100	100	100	100
81006	97	112	104	---
Alexander	98	97	101	---
Basho	100	97	101	106
Champ	99	99	107	109
Itasca	101	100	99	---
K215	103	102	94	---
Mariposa	104	101	93	102
Pronto	98	96	99	104
Richmond	98	98	96	110
Salvo	100	92	90	109
Timfor	101	101	100	108
Toro	98	97	94	107
Winmore	107	99	103	105

EXPT. 7165 Timothy Variety Trial, Seeded 1984 Thunder Bay.

CULTIVAR	MEAN YIELD (kg/ha), 1987		
	CUT 1	CUT 2	TOTAL
6002 Climax	3326	1123	4448
6040 Timfor	3182	1189	4371
6081 MLM 17018	3147	1117	4264
6086 BCSV0907	3004	1139	4143
6087 81006	3180	960	4140
6088 OT PX5	3150	1054	4204
6089 OT PX2	3349	1034	4383
6090 Korpa	3263	724	3988
6091 Tiller	3256	1364	4621
6092 81005	3235	1032	4266
6093 81009	3447	928	4375
HARV MEANS	3231	1060	4291
C.V. %	8.9	16.6	7.8
LSD (5%)	N.S.	211.0	N.S.

9PC

 EXPT. 2606 TIMOTHY LICENSING TRIAL, SEEDED 1985 ELORA.

CULTIVAR		MEAN YIELD (kg/ha), 1987		
		CUT 1	CUT 2	TOTAL
6002	Climax	8569	4063	12631
6040	Timfor	8664	4360	13024
6075	K 216	8661	4237	12898
6081	MLM 17018	8430	4509	12939
6088	OT PX5	7635	3776	11411
6089	OT PX2	8057	3908	11965
6090	Korpa	7767	3083	10850
6091	Tiller	7586	4724	12309
6092	81005	8216	3974	12189
6093	81009	8834	4580	13414
6094	Barliza	8445	3704	12148
6095	WWT100	8188	4211	12399
6096	Alma	8629	3140	11768
HARV MEANS		8283	4021	12304
CV %		6.6	6.8	5.5
LSD (5%)			328.2	

APC.

EXPT. 4285 ONT. FORAGE CROPS COMMITTEE TRIAL, 1985 OTTAWA TIMOTHY.

APC

CODE	VARIETY	1987 MEAN YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
6002	Climax	6548	2135	8683
6040	Timfor	6440	2602	9041
6075	Winmor	6316	2122	8437
6081	MLM17018	5874	2505	8379
6088	OT PX5	6520	1564	8085
6089	OT PX2	7045	1660	8706
6090	Korpa	5514	1230	6743
6091	Tiller	6290	2719	9066
6092	81005	6131	2631	8762
6093	81009	7099	1658	8757
6094	Barliza	5987	2066	8351
6095	WWT100	6340	2186	8527
6096	Alma	5846	1744	7590
MEAN		6280	2054	8360
C.V.%		7.47	17.61	7.05

 EXPT. 2612 TIMOTHY LICENSING TRIAL, SEEDED 1986 ELORA.

APC.

CULTIVAR		MEAN YIELD (kg/ha), 1987		
		CUT 1	CUT 2	TOTAL
6002	Climax	9325	3929	13254
6040	Timfor	8963	3787	12750
6094	Barliza	9216	3532	12748
6095	WWT100	10151	3953	14104
6096	Alma	9884	3633	13518
6097	WWT 118	9144	3850	12994
6098	TM 85-1	8429	3881	12310
6099	TM 85-2	9063	3709	12772
HARV MEANS		9272	3784	13056
CV %		10.4	5.0	7.9
LSD (5%)		1170.6	231.8	1262.9

EXPT. 4286 ONT. FORAGE CROP COMMITTEE TRIAL, 1986 OTTAWA TIMOTHY.

CODE	VARIETY	1987 MEAN YIELD (kg/ha)		
		CUT 1	CUT 2	TOTAL
6002	Climax	5756	3347	9103
6040	Timfor	5879	3644	9523
6094	Barliza	5544	2627	8170
6095	WWT 100	6047	3351	9398
6096	Alma	5979	2352	8331
6097	WWT 118	6393	3411	9804
6099	TM 85-2	5809	3040	8849
6098	TM 85-1	5665	3429	9094
MEAN		5884	3150	9034
C.V. %		8.39	10.47	5.83

APC
1

EXPT. 6108 Timothy Licensing Trial.
Seeded 1986. Kapuskasing

Entry	Yield (kg/ha) - 1987		
	Cut 1	Cut 2	Total
6095 WWT-100	4668	3497	8165
6040 Timfor	4112	3385	7497
6097 WWT-118	4231	3182	7414
6098 TM-85-1	4045	3368	7413
6002 Climax	4013	3127	7140
6094 Barliza	3836	2826	6662
6096 Alma	3817	2832	6649
6099 TM-85-2	3583	2895	6479
Mean	4038	3139	7177
C.V.	9.4	10.4	9.2
Significance	N.S.	N.S.	N.S.

EXPT. 6103 Timothy performance trial.
Seeded 1983, Kapuskasing.

	Entry	Yield (kg/ha) - 1987		
		Cut 1	Cut 2	Total
6005	Champ	4587	4285	8872
6030	Toro	4654	4110	8764
6050	Richmond	4499	4025	8524
6040	Timfor	4577	3639	8216
6009	Basho	4507	3681	8188
6026	Itasca	4749	3426	8175
6062	Salvo	4528	3492	8020
6037	Pronto	4367	3435	7802
6002	Climax	4636	3031	7667
Mean		4567	3680	8248
C.V. (%)		5.0	5.5	11.2
Significance		N.S.	*	**