

ONTARIO FORAGE CROP INVESTIGATIONS



1986 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

1986 REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

Compiled by:

A.R. McElroy
Variety Sub-Committee Chairman
Ontario Forage Crop Committee
Research Scientist, Plant Research Centre
Forage Bldg. #12
Ottawa, Ontario K1A 0C6

Conducted co-operatively by the Ontario Ministry of Agriculture and Food; the Crop Science Department, University of Guelph; and the Ontario Agricultural Experimental Stations of Agriculture Canada

This is the 1986 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Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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.

CONTENTS

INTRODUCTION	
Co-ordinators' Names and Address	
SARANAC-TYPE ALFALFA	
Current Status of Varieties	1
Yield Data Saranac Type	3
Persistence Data	8
IROQUOIS-TYPE ALFALFA	
Current Status of Varieties	11
Yield Data Iroquois Type	13
Persistence Data	16
PRIVATE ALFALFA TRIALS	19
PERFORMANCE TRIALS SARANAC TYPE	23
PERFORMANCE TRIALS IROQUOIS TYPE	27
ALFALFA DISEASE TRIALS	30
BIRDSFOOT TREFOIL	
Current Status of Varieties	35
Trefoil Deletions	36
Yield Data	37
Private Trial	41
RED CLOVER	
Current Status of Varieties	42
Red Clover Deletions	43
Yield Data	44
Private Trials	47
WHITE CLOVER	
Current Status of Varieties	49
Yield Data	50
TIMOTHY	
Current Status of Varieties	51
Summary Timothy Trial	52
Yield Data	53
Performance Trial	57
BROME GRASS	
Current Status of Varieties	58
Yield Data	59
REED CANARY	
Current Status of Varieties	62
Alkaloids Data	63
Summary of Data	64
Yield Data	66
ORCHARDGRASS	
Current Status of Varieties	75
Summary of Data	76
Yield Data	79
MEADOW FOXTAIL	
Current Status of Varieties	87
Summary of Data	88
Yield Data	91

ONTARIO FORAGE CROP COMMITTEE

VARIETY SUB-COMMITTEE

EXECUTIVE and COORDINATORS

Dr. A.R. McElroy
Chairman, Variety Sub-Committee

Mr. H. C. Wright
Secretary, O.F.C.C.

Dr. Steve Bowley
Alfalfa Coordinator

Dr. B. R. Christie
Timothy Coordinator

Mr. J. Madill
Red and White Clover and Birds'-foot
Trefoil Coordinator

Mr. R. Suitor
Brome Grass and Reed Canary-Grass
Coordinator

Dr. A. McElroy
Orchardgrass Coordinator
Meadow Foxtail

ORGANIZATION

Plant Research Centre
(613) 995-3700

Plant Industry Branch
O.M.A.F.
(519) 824-4120

Crop Science Department
University of Guelph
(519) 824-4120

Crop Science Department
University of Guelph
(519) 824-4120

Kemptville College of
Agricultural Technology
(613) 258-3411

Plant Research Centre
(613) 995-3700

Plant Research Centre
(613) 995-3700

Testing Locations

Kapuskasing (705) 335-6148
Thunder Bay (809) 939-2523
Ridgetown (519) 674-5456
Kemptville (613) 258-3411
New Liskeard (705) 647-6701
Guelph (519) 824-4120
Ottawa (613) 995-8728

Name of Cooperators

Dr. J. Proulx; Mr. L. Guillemette
Mr. J. Wilson
Mr. A. McLaren
Mr. J. Madill
Mr. A.V. Skepasts
Dr. B. R. Christie; Dr. S. Bowley
Dr. M. A. Faris; Dr. A. McElroy;
Mr. R. Suitor

This report is obtainable from:

Mr. H. C. Wright
Secretary, O.F.C.C.
c/o Crop Science Dept.
University of Guelph
GUELPH, Ontario
N1G 2W1
Tel.: (519) 824-4120 Ext. 2513

EARLY ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

Recommended in Publication 296

Acclaim	Angus	Arrow	Apica	Alouette	Admiral
Anchor	Ceres	Citation	Classic	Hunter	Apollo II
Pacer	Peak	Primal	Regal	Saranac	Armor
Thor	Trident	Trumpetor	Turbo	Vista	88
Eagle	532	Spectrum	Blazer	WL316	Maxim
Husky	DK-135	Excalibur	Preserve	Award	

Unrecommended Varieties

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
1157	WWB 31	Oseco	No support, testing completed	
1165	81T21	King	No support, testing completed	
1158	02-1981-1 (Advance)	Pickseed	Support for licence, defer (2)	-
1161	Endure	PAG Seeds	Interim Licence, deferred (1)	-
1162	LSC 309	Landis	No support, testing completed	
1167	OAC 81-120R	U. of Guelph	No support, testing completed	
1076	CGA 8401	Ciba Geigy	No support 86, re-examine '87	7
1077	CGA 8403	Ciba Geigy	No support 86, re-examine '87	7
1069	NY8302	Cornell	No support 86, re-examine '87	10
1064	LL3018 (Sparta)		No support 86, re-examine '87	7
1065	LL3110A (Elevation)	Jacques	No support 86, re-examine '87	7
1066	Ca 7931-32 (WL320)	King Grain	No support 86, re-examine '87	8
1067	82-5 (Crusader)	King Grain	Support for licence, defer (1)	-
1079	KG 841 (Tomahawk)	King Grain	Support for licence, defer (1)	-
1078	N2420 (Edge)	Nemec	Support for licence, defer (1)	-
1071	ICB 31	Oseco	No support 86, re-examine '87	7

Early Alfalfa Varieties (Cont'd)

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
1072	NAPB 22	Oseco	No support 86, re-examine '87	7
1073	NAPB 23	Oseco	No support 86, re-examine '87	7
1062	5444	Pioneer	Interim Licence, defer (1)	-
1080	Derby	Speare	No support, susc., bacterial wilt	7
1068	OAC 81-120	U. of Guelph	No support 86, re-examine '87	6
1070	OT83-4	Ottawa	No support 86, re-examine '87	7
1063	LSC305	Landis	No support 86, re-examine '87	7
1081	82003	Pickseed		6
1082	NY8413	Pickseed		4
1083	83-2	Pickseed		5
1084	N3126	Nemec		3
1085	N3272	Nemec		3
1086	83-3	Oseco		4
1087	NK83630	N.K.		3
1088	XAR32	Pioneer		3
1089	KG 1928	King Grain		3
1090	Ott 84-3	Ottawa		3
1092	WL S39	Pickseed		0
1093	84-15	King Agro		0
1094	NAPB 26B	King Agro		0
1095	84-14	W.G. Thompson		0
1096	AP46	Oseco		0
1097	LSC 8601	Landis		0
1098	LSC 503	Landis		0
1099	Ht55	Pickseed		0

Expt. 1092. Alfalfa variety trial A (Saranac-type fall dormancy),
1984 seeded, harvested 1986, Ridgetown.

	CULTIVAR	Yield kg/ha		TOTAL
		CUT 1	CUT 2	
1001	SARANAC	5788.	4264.	10052.
1011	CITATION	6145.	4402.	10547.
1062	5444 (XAR21)	6380.	4605.	10985.
1063	LSC 305	6549.	4325.	10875.
1064	SPARTA	5748.	4606.	10354.
1065	ELEVATION	6343.	4255.	10598.
1066	WL 320	6011.	4521.	10532.
1067	82-5	6054.	4409.	10463.
1068	OAC 81-120	6075.	3957.	10032.
1069	NY 8302	6013.	4050.	10062.
1070	OT 83-4	6116.	4317.	10433.
1071	ICB-31	5941.	4423.	10364.
1072	NAPB 22	6355.	4599.	10954.
1073	NAPB 23	5925.	4343.	10268.
1074	ARROW	6044.	4522.	10566.
1075	MAXIM	6232.	4392.	10624.
1076	CGA 8401	5903.	4735.	10638.
1077	CGA 8403	5771.	4164.	9935.
1078	N242-0	6198.	4403.	10601.
1079	KG 841	6182.	4659.	10841.
1080	DERBY	6916.	4529.	11445.
HARV MEANS		6128.	4404.	10532.
CV %		9.1	6.4	6.5
LSD (5%)		656.4	332.1	811.6

Expt. 1093. Alfalfa variety trial B (Saranac-type fall dormancy),
1984 seeded, harvested 1986, Ridgetown.

	CULTIVAR	Yield kg/ha		
		CUT 1	CUT 2	TOTAL
1001	SARANAC	6324.	4194.	10518.
1006	APICA	6482.	4097.	10579.
1008	BANNER	6412.	4307.	10720.
1011	CITATION	6566.	4438.	11004.
1016	PEAK	5755.	4197.	9952.
1017	PIONEER 532	5617.	4310.	9926.
1019	REGAL	6095.	4445.	10540.
1020	SPECTRUM	6750.	4288.	11038.
1024	TURBO	6010.	4558.	10567.
1029	77-8 CaB	6201.	4422.	10623.
1030	ARMOR	5554.	4378.	9932.
1032	ACCLAIM	5675.	4443.	10118.
1033	PRESERVE	6858.	4083.	10941.
1036	OT 81-1	5708.	4012.	9720.
1037	HARDY	6402.	3490.	9892.
1051	WWB 31	6616.	4339.	10955.
1052	HUSKY	6809.	4141.	10950.
1053	EAGLE	6154.	4244.	10398.
1054	81T21	6497.	4191.	10688.
1055	02-1981-1	6327.	4519.	10846.
1056	88 (CW140)	6800.	4363.	11163.
1057	NAPB 110	6455.	4232.	10687.
1058	ENDURE	5584.	4357.	9941.
1059	LSC 309	6229.	4333.	10562.
1060	OAC 81-120R	6826.	4128.	10954.
1061	OAC 81-119R	6878.	3952.	10829.
HARV MEANS		6292.	4248.	10540.
CV %		9.9	6.0	6.2
LSD (5%)		736.8	300.8	773.7

Expt. 2601 Alfalfa variety trial (Saranac-type fall dormancy),
1985 seeded, harvested 1986, Guelph.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
1001 SARANAC	4388.	3913.	3392.	11693.
1006 APICA	4524.	4052.	3439.	12016.
1011 CITATION	4798.	4116.	3431.	12345.
1062 5444 (XAR21)	4552.	3912.	3451.	11915.
1063 LSC 305	4505.	4170.	3668.	12342.
1064 SPARTA (LL30)	4378.	3988.	3491.	11857.
1065 ELEVATION	4588.	4046.	3501.	12135.
1066 WL 320	4242.	3849.	3602.	11693.
1067 82-5	4426.	4123.	3512.	12062.
1068 OAC 81-120	4343.	3732.	3265.	11341.
1069 NY 8302	4357.	4025.	3409.	11792.
1070 OT 83-4	4326.	4080.	3538.	11945.
1071 ICB-31	4395.	4350.	3585.	12330.
1072 NAPB 22	4524.	3997.	3658.	12179.
1073 NAPB 23	4618.	3953.	3675.	12246.
1074 ARROW	4448.	4146.	3654.	12247.
1075 MAXIM	4320.	4154.	3600.	12073.
1076 CGA 8401	4391.	4226.	3692.	12309.
1077 CGA 8403	4458.	3956.	3527.	11941.
1078 N242-0	4403.	4285.	3613.	12300.
1079 KG 841	4437.	4393.	3762.	12591.
1080 DERBY	4066.	4337.	3590.	11993.
1081 82003	4587.	3912.	3342.	11842.
1082 NY8413	4406.	4038.	3604.	12049.
1083 83-2	4275.	3715.	3373.	11364.
1084 N3126	4780.	4191.	3681.	12652.
1085 N3272	4436.	4264.	3670.	12370.
1086 83-3	4250.	3685.	3450.	11386.
1087 NK83630	4323.	4008.	3697.	12027.
1088 XAR32	4125.	3950.	3688.	11763.
1089 KG 1928	4251.	3813.	3484.	11549.
1090 OT84-3	4407.	4156.	3749.	12313.
HARV MEANS	4416.	4044.	3551.	12011.
CV %	6.4	4.5	4.0	3.8
LSD (5%)	332.7	213.2	169.3	532.9

Expt. 3091 Alfalfa variety trial (Saranac-type fall dormancy),
1985 seeded, harvstested 1986, Kemptville.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
1001 SARANAC	4810.	4359.	3357.	12526.
1006 APICA	5169.	4519.	3435.	13123.
1011 CITATION	5174.	4428.	3307.	12909.
1062 5444 (XAR21)	4954.	4590.	3485.	13028.
1063 LSC 305	4580.	4293.	3294.	12167.
1064 SPARTA	4610.	4292.	3214.	12116.
1065 ELEVATION	5010.	4544.	3219.	12773.
1066 WL 320	4547.	4389.	3543.	12478.
1067 82-5	4887.	4518.	3376.	12781.
1068 OAC 81-120	4437.	4522.	3281.	12240.
1069 NY 8302	4696.	4483.	3459.	12638.
1070 OT 8304	4735.	4183.	3249.	12167.
1071 ICB-31	4879.	4320.	3537.	12736.
1072 NAPB 22	4752.	4363.	3338.	12454.
1073 NAPB 23	4908.	4425.	3123.	12457.
1074 ARROW	4975.	4596.	3429.	12999.
1075 MAXIM	4891.	4269.	3381.	12542.
1076 CGA 8401	4785.	4277.	3441.	12502.
1077 CGA 8403	4388.	4295.	3471.	12154.
1078 N242-0	5017.	4561.	3529.	13107.
1079 KG 841	4965.	4564.	3542.	13071.
1080 DERBY	4803.	4108.	3325.	12236.
1081 82003	4648.	4226.	3389.	12263.
1082 NY8413	4875.	4221.	3284.	12380.
1083 83-2	5152.	4270.	3264.	12685.
1084 N3126	5247.	4511.	3460.	13218.
1085 N3272	5014.	4477.	3543.	13034.
1086 83-3	4370.	4271.	3185.	11826.
1087 NK83630	4771.	4377.	3395.	12543.
1088 XAR32	4624.	4328.	3382.	12334.
1089 KG 1928	4819.	4354.	3271.	12444.
1090 OT84-3	4880.	4499.	3353.	12732.
HARV MEANS	4821.	4390.	3369.	12580.
CV %	8.5	5.9	6.5	5.8
LSD (5%)	482.7	305.4	257.7	864.4

Expt. 7171 Alfalfa variety trial (Saranac-type fall dormancy),
1985 seeded, harvested 1986, Thunder Bay.

	CULTIVAR	Yield (kg/ha)		
		CUT 1	CUT 2	TOTAL
1001	SARANAC	4045.	2237.	6283.
1006	APICA	3977.	2211.	6187.
1011	CITATION	4256.	2176.	6432.
1062	5444 (XAR21)	4388.	2181.	6569.
1063	LSC 305	4682.	2084.	6766.
1064	SPARTA	4335.	1963.	6298.
1065	ELEVATION	4143.	1928.	6071.
1066	WL 320	4073.	2093.	6166.
1067	82-5	4769.	2240.	7008.
1069	NY 8302	4012.	1926.	5938.
1070	OT 83-4	4409.	2102.	6511.
1071	ICB-31	4200.	2143.	6343.
1072	NAPB 22	4445.	2191.	6635.
1073	NAPB 23	4491.	2205.	6696.
1074	ARROW	4507.	2186.	6693.
1075	MAXIM	4010.	2196.	6206.
1076	CGA 8401	4021.	2250.	6271.
1077	CGA 8403	3887.	1968.	5854.
1078	N242-0	4796.	2084.	6880.
1079	KG 841	4035.	2107.	6142.
1080	DERBY	4314.	2164.	6478.
1081	82003	4444.	1893.	6337.
1082	NY8413	4184.	2184.	6367.
1083	83-2	4482.	2143.	6624.
1084	N3126	4110.	2201.	6310.
1085	N3272	4079.	2154.	6233.
1086	83-3	4041.	2311.	6352.
1087	NK83630	4159.	2219.	6378.
1088	XAR32	4550.	2067.	6617.
1089	KG 1928	4213.	2182.	6395.
1090	OT84-3	4390.	2192.	6581.
HARV MEANS		4272.	2135.	6407.
CV		11.0	9.1	8.4
LSD (5%)		555.6	230.2	634.7

PERSISTENCE. Expt. 2854. Alfalfa variety trial A (Saranac-type fall dormancy),
1984 seeded, first cut yields 1986, Guelph.

Code	Entry	Yield (kg/ha)
1001	SARANAC	4044.
1011	CITATION	4120.
1062	5444 (XAR21)	4055.
1063	LSC 305	3988.
1064	SPARTA	3692.
1065	ELEVATION	4032.
1066	WL 320	3778.
1067	82-5	3712.
1068	OAC 81-120	3342.
1069	NY 8302	3265.
1070	OT 83-4	4091.
1071	ICB-31	3815.
1072	NAPB 22	3717.
1073	NAPB 23	4039.
1074	ARROW	4044.
1075	MAXIM	4061.
1076	CGA 8401	3392.
1077	CGA 8403	3995.
1078	N242-0	4043.
1079	KG 841	4081.
1080	DERBY	3434.
CV (%)		7.7
LSD (5%)		351.0

PERSISTENCE. Expt. 2855. Alfalfa variety trial B (Saranac-type fall dormancy),
seeded 1984, first cut yields 1986, Guelph.

Code	Entry	Yield (kg/ha)
------	-------	---------------

1001	SARANAC	3951.
1006	APICA	3931.
1008	BANNER	3668.
1011	CITATION	4200.
1016	PEAK	4174.
1017	PIONEER 532	3977.
1019	REGAL	3890.
1020	SPECTRUM	3983.
1024	TURBO	4097.
1029	77-8 CaB	3930.
1030	ARMOR	3990.
1032	ACCLAIM	4282.
1033	PRESERVE	4164.
1036	OT 81-1	3898.
1037	HARDY	3220.
1051	WWB 31	3767.
1052	HUSKY	3868.
1053	EAGLE	3586.
1054	81T21	4022.
1055	02-1981-1	3640.
1056	88 (CW140)	3898.
1057	NAPB 110	4016.
1058	ENDURE	4237.
1059	LSC 309	4282.
1060	OAC 81-120R	3147.
1061	OAC 81-119R	3899.

CV (%)	5.6
--------	-----

LSD (5%)	261.1
----------	-------

PERSISTENCE. Expt. 6491. Alfalfa variety trial (Saranac-type fall dormancy),
seeded 1985, first cut yields 1986, Kapuskasing.

Code	Entry	Yield kg/ha
1001	SARANAC	3908
1006	APICA	3687
1011	CITATION	4279
1062	5444	4096
1063	LSC 305	3764
1064	LL 3018	4075
1065	LL 3110A	3660
1066	Ca 7931-32	3771
1067	82-5	4073
1068	OAC 81-120	3676
1069	NY 8302	4098
1070	OT 83-4	4190
1071	ICB-31	4177
1072	NAPB 22	4154
1073	NAPB 23	3949
1074	NAPB 20	3827
1075	WL78-W1	3967
1076	CGA 8401	4011
1077	CGA 8403	3716
1078	N 242-1	4157
1079	KG 841	3770
1080	DERBY	3485
1081	82003	3815
1082	NY 8413	3652
1083	83-2	3650
1084	N3126	4008
1085	N3272	4236
1086	83-3	3577
1087	NK83630	4085
1088	XAR32	3591
1089	KG1928	3833
1090	OT 84-3	3976

CV (%)	7.3
LSD (5%)	401.1

MEDIUM ALFALFA VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

Recommended in Publication 296

Algonquin	Glory	Iroquois	Magnum	Weevilcheck
Titan	Valor	Vernal		Thunder
120	524	526	OAC Minto	WL 222
Oneida VR	Noble	Ambassador		

Unrecommended Varieties

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years</u> <u>of Data</u>
9020	80335 (Drummor)	N.K.	Sup. for lic., Defer (3)	-
9022	Olinda	Ottawa	Sup. for lic., Defer (3)	-
9023	Comsel	Ottawa	Sup. for lic., Defer (3)	
9024	SC Poly 2	Ottawa	Sup. for lic., Defer (3)	
9030	79001	Pickseed	No sup. testing completed	
9031	80012	Pickseed	No sup. testing completed	
9033	LSC 110	Landis	No sup. testing completed	
9034	LSC 308	Landis	No sup. testing completed	
9035	OSX2-9114	Oseco	No sup. testing completed	
9036	VW 33-2(Barrier)	Ottawa Res. Stn.	No sup. testing completed	
9046	CGA 8402	Ciba Geigy	No sup. 86, re-examine '87	6
9040	Mohawk	Cornell	Support for licence, defer (1)	3
9039	NAPB21	King Grain	No support 86, re-examine '87	6
9047	N3150	Nemec	No support 86, re-examine '87	6
9038	NK82503	N.K.	No support 86, re-examine '87	7
9045	82001	Pickseed	No support 86, re-examine '87	9
9042	OT 84-4	Ottawa	No support 86, re-examine '87	6
9043	OT 83-2	Ottawa	No support 86, re-examine '87	6
9044	OT 83-1	Ottawa	No support 86, re-examine '87	6
9048	NY8412	Pickseed		4

Medium 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>
9049	Big Ten	W. Glassford		3
9050	N3418	Nemec		3
9051	N3340	Nemec		3
9052	C-339	Cargill		3
9053	Exp 12	Bison Seed		3
9054	LSC 537	Landis		3
9055	XAF31	Pioneer		3
9056	OT84-2	Ottawa		3
9057	SF8001	OFCC (Quebec)		3
9058	A85-3	Pickseed		0
9059	WL225	King Agro		0
9060	NK83631	N.K.		0
9061	NK83632	N.K.		0
9062	RS-423	Nemec		0
9063	RS-3309	Oseco		0
9064	Wrangler	Norcan		0

Expt. 1099. Alfalfa variety trial (Iroquois-type fall dormancy),
1985 seeded, harvested 1986, Ridgetown.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
9002 120	6615.	4488.	2741.	13844.
9004 IROQUOIS	6249.	4490.	2670.	13409.
9038 NK 82503	5981.	4430.	2794.	13206.
9039 NAPB 21	4951.	4783.	2820.	12553.
9040 MOHAWK	6144.	4334.	2957.	13435.
9041 ONEIDA VR	6159.	4128.	3151.	13438.
9042 OT 84-4	6538.	4328.	3213.	14079.
9043 OT 83-2	5344.	4580.	2843.	12767.
9044 OT 83-1	5287.	4506.	2927.	12720.
9045 82001	5752.	4565.	2786.	13103.
9046 CGA 8402	5599.	4670.	3323.	13592.
9047 N3150	6140.	4562.	2710.	13412.
9048 NY8412	6118.	4429.	2645.	13191.
9049 BIG TEN	6054.	4451.	3344.	13848.
9050 N3418	6806.	4545.	2689.	14040.
9051 N3340	6818.	4361.	3074.	14253.
9052 C-339	7043.	4430.	3431.	14904.
9053 EXP 12	6127.	4616.	2909.	13652.
9054 LSC 537	6260.	4493.	2770.	13524.
9055 XAF31	6411.	4404.	3111.	13926.
9056 OT84-2	6173.	4167.	2725.	13064.
9057 SF8001	5471.	4413.	2600.	12485.
HARV MEANS	6093.	4462.	2920.	13475.
CV %	6.9	6.9	15.1	4.9
LSD (5%)	581.1	420.8	607.4	905.3

Expt. 3092. Alfalfa variety trial (Iroquois-type fall dormancy),
1985 seeded, harvested 1986, Kemptville.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
9002 120	5360.	4994.	3594.	13948.
9004 IROQUOIS	4872.	4579.	3318.	12770.
9038 NK 82503	5363.	4702.	3615.	13680.
9039 NAPB 21	4738.	4390.	3529.	12657.
9040 MOHAWK	5100.	4558.	3388.	13046.
9041 ONEIDA VR	5365.	4624.	3628.	13616.
9042 OT 84-4	5283.	4878.	4001.	14162.
9043 OT 83-2	5278.	4803.	3644.	13725.
9044 OT 83-1	5232.	4773.	3554.	13559.
9045 82001	5352.	4662.	3591.	13605.
9046 CGA 8402	4612.	4408.	3448.	12469.
9047 N3150	4541.	4280.	3376.	12197.
9048 NY8412	4560.	4277.	3234.	12071.
9049 BIG TEN	4932.	4632.	3491.	13055.
9050 N3418	5647.	4700.	3687.	14034.
9051 N3340	5145.	4785.	3763.	13693.
9052 C-339	4932.	4827.	3651.	13410.
9053 EXP 12	5248.	4681.	3597.	13525.
9054 LSC 537	5214.	4853.	3663.	13730.
9055 XAF31	4951.	4728.	3852.	13531.
9056 OT84-2	5099.	4934.	3606.	13639.
9057 SF8001	4918.	4333.	3302.	12553.
HARV MEANS	5079.	4655.	3570.	13303.
CV %	7.2	6.4	7.2	6.0
LSD (5%)	433.9	352.3	304.5	950.9

Expt. 7172. Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1985, harvested 1986, Thunder Bay.

CULTIVAR		Yield (kg/ha)		
		CUT 1	CUT 2	TOTAL
9002	120	3659.	1794.	5452.
9004	IROQUOIS	3173.	1704.	4877.
9038	NK 83503	3314.	1558.	4873.
9039	NAPB 21	3824.	1903.	5727.
9040	MOHAWK	3253.	1759.	5012.
9041	ONEIDA VR	3396.	1672.	5068.
9042	OT 8404	3606.	2002.	5608.
9043	OT 8302	3078.	1618.	4695.
9044	OT 8301	3987.	1802.	5789.
9045	82001	3210.	1906.	5115.
9046	CGA 8402	3743.	1850.	5593.
9047	N3150	3223.	1670.	4893.
9048	NY8412	3163.	1744.	4907.
9049	BIG TEN	3286.	1909.	5195.
9050	N3418	3155.	1852.	5007.
9051	N3340	3024.	1640.	4664.
9052	C-339	3327.	1868.	5194.
9053	EXP 12	3262.	1845.	5107.
9054	LSC 537	2991.	1752.	4743.
9055	XAF31	3403.	1998.	5401.
9056	OT84-2	3080.	1880.	4960.
9056	SF8001	3121.	1861.	4982.
HARV MEANS		3331.	1799.	5130.
CV %		9.8	10.7	7.2
LSD (5%)		447.8	263.6	505.9

PERSISTENCE. Expt. 2856. Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1984, first cut yields 1986, Guelph.

Code	Entry	Yield kg/ha
9000	520	4473.
9002	120	4199.
9003	GLORY	4137.
9004	IROQUOIS	3913.
9006	OAC MINTO	4062.
9009	PIONEER 526	4304.
9015	THUNDER	4042.
9018	WL 222	4192.
9021	PROWLER	3481.
9030	79001	4222.
9031	80012	4356.
9032	CW 241	3601.
9033	LSC 110	3934.
9034	LSC 308	4324.
9035	OSX2-9114	4040.
9036	VW 33-2	3853.
9037	OT 83-3	3283.
9038	NK 82503	4230.
9039	NAPB 21	4103.
9040	MOHAWK	4273.
9041	ONEIDA VR	4064.
9042	OT 84-4	3964.
9043	OT 83-2	3910.
9044	OT 83-1	3841.
9045	82001	4140.
9046	CGA 8402	3983.
9047	N3150	4018.
CV(%)		10.7
LSD (5%)		510.5

PERSISTENCE. Expt. 6470. Alfalfa variety trial (Iroquois-type fall dormancy),
seeded 1985, first cut yields 1986, Kapuskasing.

Code	Entry	Yield kg/ha
--	KAPCOMP-85	4813
9002	120	4480
9004	IROQUOIS	3995
9038	NK 82503	3896
9039	NAPB 21	4062
9040	MOHAWK	4092
9041	NY 8301	4568
9042	OT 84-4	4190
9043	OT 83-2	4230
9044	OT 83-1	4546
9045	82001	4464
9046	CGA 8402	3766
9047	N3150	4274
9048	NY 8412	4881
9049	BIG TEN	4188
9050	N3418	4394
9051	N3340	4106
9052	C-339	4040
9053	EXP 12	4328
9054	LSC 537	3878
9055	XAF 31	4172
9056	OT84-2	3969
9057	SF 8001	4129
CV (%)		8.7
LSC (5%)		521.8

PERSISTENCE. Expt. 6469. Alfalfa performance trial (Iroquois-type fall dormancy), seeded 1984, first cut yields 1986, Kapuskasing.

Code	Entry	Yield kg/ha
9000	520	2303
9001	ALGONQUIN	2437
9002	120	2490
9003	GLORY	2237
9004	IROQUOIS	2385
9005	MAGNUM	2529
9006	OAC MINTO	2899
9007	PICKSTAR	2752
9008	524	1951
9009	526	2852
9010	TITAN	2441
9011	VALOR	2397
9012	VERNAL	2157
9013	WL 215	2022
9014	WEEVLECHEK	2170
CV (%)		12.9
LSD (5%)		441.0

King Agro alfalfa variety trial, seeded 1984, harvested 1986, Chatham.

CULTIVAR	Yield (kg/ha)			
	CUT 1	CUT 2	CUT 3	TOTAL
1001 SARANAC	4342.	3445.	2727.	10514.
1008 BANNER	4562.	3388.	2799.	10750.
1011 CITATION	4901.	3655.	2778.	11334.
1018 PRIMAL	5085.	3358.	2722.	11165.
1023 TRUMPETOR	4368.	3409.	2830.	10606.
1033 PRESERVE	4660.	3250.	2778.	10688.
1048 WL 316	5096.	3650.	2645.	11391.
1056 88 (CW140)	4711.	3445.	2881.	11037.
1066 WL 320	4204.	3465.	2835.	10504.
1067 82-5	5624.	3793.	2722.	12139.
1079 KG 841	4275.	3655.	2886.	10817.
1083 WL 83-2	4132.	3711.	2809.	10652.
1086 WL 83-3	3891.	3573.	2522.	9986.
2003 WL 83-17	4629.	3906.	2773.	11309.
2004 WL 83-19	4157.	3281.	2702.	10140.
2005 WL 83-31	5096.	3737.	2989.	11821.
2006 WL 83-32	3963.	3173.	3019.	10155.
9039 NAPB 21	4178.	3317.	2804.	10299.
HARV MEANS	4548.	3512.	2790.	10850.
CV %	13.6	10.8	8.4	7.1
LSD (5%)	737.6	452.3	279.9	922.8

Pickseed alfalfa variety trial, 1984 seeding, harvested 1986, Blenheim.

ENTRY	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
IROQUOIS	6257	4456	3848	14561
NY 3501	7603	4590	3874	16067
79003	7011	4489	3790	15290
02-1981-11	7818	4498	3903	16219
82003	7350	4427	3971	15748
88	8068	5009	4272	17349
79005	7681	4542	3992	16215
82002	7299	4411	3727	15437
AMBASSADOR	7664	4780	4437	16881
80012	7127	4449	3883	15459
79001	6367	4147	3625	14139
NY 8301	7868	4616	3886	16370
82001	7381	4694	3919	15994
82004	7214	4053	4105	15372
BANNER	7200	4506	3990	15696
520	7547	4519	3768	15834
CITATION	7761	4618	3909	16288
120	7341	4790	3902	16033
SARANAC	6598	4267	3556	14421
EXP A	7374	4754	4211	16339
EXP B	7393	4454	4027	15874
EXP C	7228	4702	4197	16127
EXP D	7247	4548	3851	15646
EXP E	7619	5009	4187	16815
EXP F	7209	4820	4161	16190
EXP G	7206	4919	4242	16367
NY 8302	7279	4558	4185	16022
EXP H	7954	5112	4513	17579
02-1979-2-1	7050	4297	4069	15416
EXP J	7422	4752	4163	16337
WL 78 W1	7707	4929	4296	16932
EXP K	7776	4889	4270	16935
C.V. %	8.25	5.28	6.03	5.30
L.S.D.	868	348	347	1209

Pickseed alfalfa variety trial, 1985 seeded, harvested 1986, Elmira.

ENTRY	Yield (kg/ha)			
	Cut 1	Cut 2	Cut 3	Total
ALOUETTE	5902	3523	2931	12355
NY 8301	5713	3467	2886	12066
VS 25	5679	3502	2807	11988
NY 8302	5510	3425	2991	11926
WL 78 W1	5826	3775	2915	12515
NY 3501	5615	3543	2894	12051
AMBASSADOR	5716	3749	2923	12388
ADMIRAL	5687	3569	3002	12257
88	6009	3528	3028	12565
82001	5829	3617	2971	12416
82002	5672	3478	2996	12147
82003	5874	3678	2866	12418
82004	6021	3479	2937	12437
80012	5360	3429	2943	11733
ACCLAIM	6173	3774	3241	13187
TURBO	5874	3648	3021	12543
VISTA	5185	3393	2901	11479
02-1981-1	5862	3525	2177	11564
"O" SYN	5830	3512	2783	12125
NY 8412 (NY 85-3)	5869	3423	2985	12276
NY 8413 (NY 85-4)	5529	3597	3063	12189
83-2	5466	3497	2966	11929
N.A.P.B. 20	5738	3687	3072	12497
N.A.P.B. 24	5843	3510	3025	12379
APICA	6121	3734	3201	13056
IROQUOIS	5630	3610	3180	12420
120	6193	3578	2990	12761
SARANAC	6034	3755	3184	12973
HUNTER	5793	3526	3032	12351
CITATION	5832	3361	2766	11959
ONEIDA	5599	3513	2980	12092
MINTO	5615	3525	2970	12109
532	5937	3583	3077	12597
526	6127	3457	2923	12506
C.V. %	5.81	6.15	10.76	5.31
L.S.D.	490	340	440	910

Pioneer alfalfa variety trials, 1984 seeding,
1986 yields, Chatham.

ENTRY	Yields (kg/ha)		
	CUT 1	CUT 2	TOTAL
526	5167	4090	9257
IROQUOIS	4305	4037	8342
520	4844	4225	9069
YAR 32	4386	4252	8638
CITATION	5731	3956	9687
83PE021	4844	4656	9500
82A-1	4898	4736	9634
BANNER	4629	3633	8262
82B-1	4494	4736	9230
81B-1	5194	4817	10011
532	4494	4144	8638
81I-1	3714	2987	6701
DK 120	5113	4359	9472
83CV812	4333	4198	8531
83S0811	4709	4413	9122
82F-1	4575	4386	8961
81G-1	4548	4494	9042
YAF 31	4602	4575	9177
SARANAC	4602	3929	8531
81E-1	5355	3660	9015
82E-1	4790	4254	9042
83SR231	4844	4386	9230
82W-1	5301	4682	9983
82D-1	4629	4117	8746
XAR 21 (5444)	4575	4117	8692
HARV MEANS	4736	4251	8988
CV (%)	10	12	9

Expt. 1095. Alfalfa performance trial (Saranac-type fall dormancy),
1984 seeded, harvested 1986, Ridgetown.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
1001 SARANAC	5752.	4372.	2216.	12339.
1003 ANCHOR	5806.	4137.	2448.	12390.
1004 ANGUS	5680.	4138.	1957.	11774.
1005 ANSWER	5559.	4366.	2303.	12229.
1006 APICA	5729.	4369.	2190.	12288.
1007 APOLLO	5890.	4377.	2527.	12794.
1008 BANNER	5608.	4088.	2285.	11981.
1010 CERES	5421.	4469.	2440.	12331.
1011 CITATION	6123.	4488.	2195.	12806.
1012 CLASSIC	5930.	4389.	2305.	12624.
1013 130	4936.	4243.	2340.	11520.
1014 HUNTER	5087.	4130.	2227.	11443.
1015 PACER	5566.	4312.	2282.	12160.
1016 PEAK	5318.	4620.	2398.	12335.
1017 PIONEER 532	6010.	4681.	2546.	13236.
1018 PRIMAL	6109.	4242.	2253.	12604.
1019 REGAL	5705.	4413.	2380.	12498.
1021 THOR	5878.	4118.	2304.	12300.
1022 TRIDENT	5499.	3748.	2273.	11520.
1023 TRUMPETOR	5678.	3949.	1701.	11327.
1024 TURBO	5486.	4402.	2392.	12279.
1025 VISTA	5572.	4302.	2048.	11921.
HARV MEANS	5652.	4289.	2273.	12214.
CV %	8.6	6.6	17.5	6.2
LSD (5%)	668.1	391.1	547.0	1037.7

Expt. 2600. Alfalfa performance trial (Saranac-type fall dormancy),
1985 seeded, harvested 1986, Guelph.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
1001 SARANAC	4418.	3988.	3641.	12047.
1003 ANCHOR	4672.	4014.	3465.	12151.
1004 ANGUS	4786.	3642.	3408.	11836.
1005 ANSWER	4409.	3677.	3378.	11463.
1006 APICA	4522.	3857.	3466.	11845.
1007 APOLLO	4188.	4023.	3607.	11818.
1009 BLAZER	5016.	3998.	3637.	12651.
1010 CERES	4362.	3872.	3710.	11945.
1011 CITATION	4675.	4019.	3505.	12199.
1012 CLASSIC	4388.	3704.	3387.	11479.
1013 130	4453.	3781.	3470.	11704.
1014 HUNTER	4275.	3697.	3350.	11323.
1015 PACER	4557.	3982.	3569.	12108.
1016 PEAK	5019.	3987.	3707.	12713.
1017 PIONEER 532	4805.	3941.	3686.	12431.
1018 PRIMAL	4798.	4017.	3505.	12320.
1019 REGAL	4177.	3818.	3520.	11515.
1020 SPECTERUM	4740.	4004.	3547.	12291.
1021 THOR	4780.	3924.	3523.	12228.
1022 TRIDENT	4527.	3923.	3570.	12021.
1023 TRUMPETOR	4675.	3891.	3529.	12094.
1024 TURBO	4611.	3916.	3781.	12308.
1025 VISTA	4826.	4087.	3546.	12459.
1028 ALOUETTE	4114.	3857.	3584.	11555.
1032 ACCLAIM	4163.	3905.	3506.	11573.
1033 PRESERVE	4939.	4177.	3580.	12695.
1039 EXCALIBUR	4106.	4095.	3773.	11974.
1040 DK-135	4722.	3998.	3605.	12325.
1047 APOLLO II	4447.	3829.	3565.	11841.
1048 WL 316	4322.	3965.	3667.	11953.
HARV MEANS	4550.	3920.	3560.	12029.
CV %	7.9	4.6	5.1	3.8
LSD (5%)	495.2	245.4	248.3	631.6

Expt. 3093. Alfalfa performance trial (Saranac-type fall dormancy),
1985 seeded, harvested 1986, Kemptville.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
1001 SARANAC	5157.	4580.	3448.	13184.
1003 ANCHOR	4792.	4388.	3452.	12633.
1004 ANGUS	5187.	4478.	3537.	13202.
1005 ANSWER	4960.	4408.	3338.	12705.
1006 APICA	5509.	4615.	3543.	13666.
1007 APOLLO	5091.	4608.	3623.	13322.
1009 BLAZER	5340.	4769.	3602.	13711.
1010 CERES	5093.	4745.	3635.	13473.
1011 CITATION	5497.	4467.	3419.	13383.
1012 CLASSIC	4566.	4192.	3379.	12137.
1013 130	4918.	4777.	3531.	13226.
1014 HUNTER	4920.	4567.	3509.	12996.
1015 PACER	5068.	4469.	3397.	12933.
1016 PEAK	4925.	4382.	3627.	12935.
1017 PIONEER 532	5157.	4452.	3512.	13121.
1018 PRIMAL	5483.	4533.	3466.	13482.
1019 REGAL	4914.	4589.	3793.	13296.
1020 SPECTRUM	4840.	4701.	3490.	13032.
1021 THOR	5252.	4545.	3570.	13366.
1022 TRIDENT	4826.	4609.	3590.	13024.
1023 TRUMPETOR	5102.	4691.	3753.	13546.
1024 TURBO	5126.	4787.	3596.	13509.
1025 VISTA	5042.	4633.	3627.	13303.
1028 ALOUETTE	5208.	4609.	3618.	13434.
1030 ARMOR	4857.	4716.	3513.	13086.
1032 ACCLAIM	4722.	4770.	3554.	13046.
1033 PRESERVE	5136.	4604.	3644.	13383.
1039 EXCALIBUR	5614.	4882.	3922.	14417.
1040 DK-135	5230.	4496.	3552.	13278.
1047 APOLLO II	4838.	4530.	3426.	12794.
1048 WL 316	5211.	4802.	3771.	13784.
HARV MEANS	5083.	4593.	3562.	13239.
CV %	5.6	5.8	4.4	4.3
LSD (5%)	338.5	316.1	186.8	677.1

Expt. 8000. Alfalfa performance trial (Saranac-type fall dormancy),
seeded 1985, harvested 1986, New Liskeard.

CULTIVAR	Yield (kg/ha)		
	CUT 1	CUT 2	TOTAL
SARANAC	3908.	1660.	5569.
ANCHOR	4122.	1711.	5833.
ANGUS	4286.	1666.	5952.
ANSWER	3236.	1479.	4714.
APICA	3886.	1718.	5604.
APOLLO	3186.	1422.	4608.
BLAZER	3904.	1606.	5510.
CERES	3288.	1596.	4884.
CITATION	3892.	1721.	5613.
CLASSIC	3337.	1464.	4801.
130	3300.	1752.	5053.
HUNTER	3839.	1753.	5593.
PACER	4055.	1884.	5939.
PEAK	3656.	1725.	5381.
PIONEER 532	3632.	1766.	5398.
PRIMAL	3927.	1832.	5759.
REGAL	3433.	1581.	5015.
SPECTRUM	3788.	1697.	5485.
THOR	4055.	1737.	5792.
TRIDENT	3165.	1684.	4850.
TRUMPETOR	3607.	1671.	5278.
TURBO	3886.	1626.	5512.
VISTA	3795.	1966.	5760.
ALOUETTE	3876.	1702.	5578.
ARMOR	3577.	1771.	5349.
ACCLAIM	3395.	1532.	4927.
PRESERVE	4135.	1790.	5924.
EXCALIBUR	4043.	1696.	5739.
DK-135	3673.	1698.	5370.
APOLLO II	3445.	1624.	5069.
WL 316	3428.	1574.	5003.
HARV MEANS	3702.	1681.	5383.
CV %	7.3	9.7	6.6
LSD (5%)	317.9	193.1	422.8

Expt. 1096. Alfalfa performance trial (Iroquois-type fall dormancy)
1984 seeded, harvested 1986, Ridgetown.

CULTIVAR	Yield (kg/ha)			TOTAL
	CUT 1	CUT 2	CUT 3	
9000 520	5703.	4330.	2094.	12126.
9001 ALGONQUIN	5822.	4192.	1997.	12012.
9002 120	6214.	4499.	2071.	12784.
9003 GLORY	6251.	4284.	2454.	12990.
9004 IROQUOIS	5710.	4276.	2152.	12139.
9005 MAGNUM	5420.	4436.	2344.	12200.
9006 OAC MINTO	5607.	4386.	2225.	12218.
9007 PICKSTAR	6520.	4295.	2111.	12925.
9008 PIONEER 524	6578.	4229.	2270.	13076.
9009 PIONEER 526	5976.	4527.	2335.	12839.
9010 TITAN	5427.	4237.	2222.	11886.
9011 VALOR	6230.	4568.	2378.	13176.
9012 VERNAL	5570.	4050.	1970.	11590.
9013 WL 215	5177.	4268.	2158.	11604.
9014 WEEVLCHEK	5921.	4242.	2126.	12290.
HARV MEANS	5875.	4321.	2194.	12390.
CV %	9.0	6.0	5.6	4.6
LSD (5%)	629.5	307.9	147.1	684.6

Expt. 7170. Alfalfa performance trial (Iroquois-type fall dormancy),
seeded 1985, harvested 1986, Thunder Bay.

CULTIVAR		Yield (kg/ha)		
		CUT 1	CUT 2	TOTAL
9001	ALGONQUIN	4262.	2096.	6357.
9002	120	4463.	2396.	6859.
9003	GLORY	3703.	2247.	5949.
9004	IROQUOIS	4186.	2317.	6504.
9005	MAGNUM	3751.	2117.	5868.
9006	OAC MINTO	4377.	2093.	6470.
9008	PIONEER 524	3472.	1639.	5111.
9009	PIONEER 526	3780.	2057.	5837.
9010	TITAN	3695.	2008.	5703.
9011	VALOR	3685.	1921.	5606.
9012	VERNAL	4015.	2086.	6101.
9013	WL 215	4140.	1978.	6118.
9014	WEEVLCHEK	3743.	2118.	5861.
9015	THUNDER	3939.	2066.	6005.
9016	MLM 02042	3639.	1887.	5526.
9020	DRUMMOR	3970.	1855.	5825.
HARV MEANS		3926.	2055.	5981.
CV %		9.7	7.5	6.8
LSD (5%)		452.9	183.0	481.6

Expt. 8000. Alfalfa performance trial (Iroquois-type fall dormancy),
seeded 1985, harvested 1986, New Liskeard.

CULTIVAR	Yield (kg/ha)		
	CUT 1	CUT 2	TOTAL
ALGONQUIN	4131.	2739.	6871.
120	3663.	2596.	6259.
GLORY	3986.	2649.	6635.
IROQUOIS	3912.	2803.	6715.
MAGNUM	3933.	2644.	6577.
OAC MINTO	4038.	2742.	6781.
PIONEER 524	4238.	2657.	6894.
PIONEER 526	3925.	2804.	6729.
TITAN	3824.	2580.	6405.
VALOR	3914.	2605.	6519.
VERNAL	3913.	2661.	6574.
WL 215	4051.	2645.	6696.
WEEVLCHK	4104.	2643.	6747.
THUNDER	4034.	2508.	6542.
MLM 02042	4024.	2698.	6722.
DRUMMOR	4070.	2709.	6779.
HARV MEANS	3985.	2668.	6653.
CV %	5.9	7.7	5.3
LSD (5%)	280.2	245.5	423.4

CORRECTION TO 1985 REPORT

1984/85 Bacterial wilt Test, Ottawa.

DuPuits	3.7
Derby	3.1
81-120	2.2
NY8302	1.9
Trumpetor	1.8
OT84-4	1.7
KG 841	1.5
OT 83-4	1.5
ICB 31	1.4
XAR 21	1.3
NK 82503	1.3
NY 8301	1.3
CGA8403	1.2
N2420	1.2
WL78W-1	1.2
OT83-1	1.1
Mohawk	1.1
82001	1.0
NAPB 21	1.0
N3150	1.0
CGA8401	0.9
CA7931-32	0.9
LL3110A	0.9
Vernal	0.8
LL3018	0.8
82-5	0.7
NAPB 23	0.7
LSC 305	0.7
NAPB 20	0.7
OT83-2	0.7
CGA 8402	0.6
NAPB 22	0.6

One-tailed LSD 0.38

1986 Bacterial Wilt test, greenhouse, Ottawa.

<u>Alfalfa Entries</u>	<u>DSI</u>	<u>(% Resistance)</u>
VERNAL (CHECK)	2.23	(28)
NK83632	2.20	(29)
KG1928	2.17	(24)
LSC537	2.00	(29)
LSC503	1.99	(36)
BIG TEN	1.99	(26)
N3418	1.98	(28)
RS-3309	1.96	(36)
XAF31	1.94	(31)
NK83630	1.87	(33)
HT55	1.85	(41)
82003	1.80	(37)
EXP-12	1.78	(44)
OT84-2	1.73	(40)
84-15	1.71	(40)
NK83631	1.66	(41)
N3340	1.65	(39)
C-339	1.63	(33)
NAPB26B	1.63	(41)
NY8413	1.62	(45)
WRANGLER	1.60	(39)
LSC8601	1.60	(38)
WL225	1.54	(44)
84-14	1.53	(41)
OT84-3	1.52	(42)
N3272	1.38	(45)
NY8412	1.38	(47)
N3126	1.38	(46)
83-3	1.36	(44)
SF8001	1.35	(53)
83-2	1.24	(51)
AP46	1.23	(56)
XAR32	1.22	(53)
RS-423	1.11	(53)
A85-3	1.02	(55)
WL-539	0.87	(65)
OVERALL MEAN	1.63	
LSD (1-tail at 10%)	0.30	

1986 Phytophthora root rot test, greenhouse, Ottawa.

<u>Alfalfa Entries</u>	<u>DSI</u>	<u>(% Resistance)</u>
XAF31	4.03	(19)
SF8001	3.72	(32)
NK83632	3.17	(46)
XAR32	3.08	(47)
83-3	2.93	(51)
OT84-3	2.86	(51)
LSC503	2.78	(51)
LSC537	2.73	(50)
WL225	2.72	(55)
C-339	2.72	(57)
N3272	2.65	(59)
EXP12	2.60	(55)
LSC8601	2.60	(58)
BIG TEN	2.54	(62)
NK83630	2.52	(63)
N3418	2.47	(58)
83-2	2.41	(67)
NK83631	2.41	(67)
N3340	2.37	(63)
RS-3309	2.32	(64)
RS-423	2.19	(69)
N3126	2.17	(69)
OT84-2	2.04	(74)
TRIDENT (CHECK)	2.01	(76)
CGA8504	2.01	(72)
84-15	2.00	(72)
84-14	1.98	(73)
WRANGLER	1.89	(78)
AP46	1.82	(78)
WL-539	1.54	(86)
OVERALL MEAN	2.51	
LSD (1-tail at 10%)	0.38	

1986 Phytophthora root rot test, field, Ottawa.

<u>Alfalfa Entries</u>	<u>DSI</u>	<u>(% Resistance)</u>
XAF31	3.00	(48)
SF8001	2.60	(57)
LSC537	2.43	(67)
83-3	2.35	(70)
NK83630	2.29	(71)
LSC503	2.19	(64)
OT84-3	2.12	(71)
WRANGLER	1.99	(78)
C-339	1.99	(77)
BIG TEN	1.97	(77)
83-2	1.97	
AP46	1.96	(78)
XAR32	1.92	(73)
RS-423	1.85	(76)
TRIDENT	1.80	(83)
N3272	1.77	(83)
N3126	1.67	(84)
CGA8504	1.70	(85)
LSC8601	1.69	(82)
N3340	1.69	(81)
NK83632	1.69	(82)
84-14	1.68	(82)
RS-3309	1.62	(81)
EXP12	1.61	(86)
WL225	1.56	(83)
NK83631	1.55	(84)
OT84-2	1.55	(85)
N3418	1.54	(85)
WL-539	1.43	(90)
84-15	1.39	(89)
OVERALL MEAN	1.89	
LSD (1-tail at 10%)	0.39	

Ontario Forage Crops Committee
1986 Verticillium Wilt Trial Results

Cultivar	% Resistance (plants rated 1)	Disease Severity Index
Vertus-resistant check	45	2.5
Vernal-susceptible check	16	2.9
Trumpetor-OFCC check	26	2.6
NY 8413	51	2.4
83-2	19	2.9
N3126	45	2.4
N3272	42	2.4
83-3	10	2.9
NK 83630	16	2.3
XAR 32	6	2.7
KG 1928	3	2.8
OT84-3	6	2.8
CGA 8504	35	2.6
NY 8412	13	2.6
N3418	35	2.5
N3340	23	2.4
C-339	19	2.7
Exp 12	42	2.2
LSC 537	19	2.6
OT84-2	6	2.8
SF 8001	48	2.3
WL-S39	23	2.4
84-15	23	2.4
NAPB 26B	35	2.4
84-14	10	2.7
AP 46	67	2.3
LSC 8601	6	2.8
WL 225	48	2.7
NK 83631	29	2.6
NK 83632	25	2.5
RS 423	32	2.7
RS 3309	16	2.5
Wrangler	3	2.6

BIRDSFOOT TREFOIL VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years</u> <u>of Data</u>
7003	Empire	O.F.C.C.	Recommended, Publ. 296	-
7001	Leo	O.F.C.C.	Recommended, Publ. 296	-
7010	Maitland	O.F.C.C.	Recommended, Publ. 296	-
7004	Viking	O.F.C.C.	Recommended, Publ. 296	-
7033	01004 (Upstart)	Pickseed	Licenced, Def (2)	-
7032	PS79055	Pickseed	No support '86 re-examine '87	17
7031	RC4SY2	U. of Guelph	Supported for licence, Def. (1)	-
7034	BT86-1	Pickseed	Supported for licence, Def. (1)	0

TREFOIL DELETIONS - Empire & Viking
1986 Data

Variety	Kemptville 84-86	Thunder Bay 85-86	Elora 84-86	Elora 85-86
Leo	8281	4703	9291	8888
Empire	7959	4996	10382	9618
Viking	7998	5271	11024	8454
	Means	% of Check		
Leo	7791	100.0		
Empire	8239	105.8		
Viking	8187	105.1		

TREFOIL DELETIONS - Maitland
1986 Data

	Kemptville 84-86	Elora 84-86	Means	% of Check
Leo	8281	9291	8786	100.0
Maitland	7781	9186	8484	96.6

EXP 2530 TREFOIL VARIETY TRIAL

SEEDED 1984 ELORA

A: TELOR 84-86 -

HARVESTED 1986

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	TOTAL
7001 LEO	6612.	2678.	9291.
7003 EMPIRE	7558.	2824.	10382.
7004 VIKING	7145.	3878.	11024.
7010 MAITLAND	5631.	3556.	9186.
7031 RC4 SYN2	6835.	3046.	9881.
7032 PS 79055	6689.	2697.	9386.
7033 MLM 01004	6234.	2679.	8913.
HARV MEANS	6672.	3051.	9723.
CV %	11.1	8.3	8.2
LSD (5%)	906.6	309.4	979.6

EXP 2547 TREFOIL VARIETY TRIAL

SEDED 1985 ELORA

A. TELOR 85.86

HARVESTED 1986

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	TOTAL
7001 LEO	5514.	3374.	8888.
7003 EMPIRE	6220.	3398.	9618.
7004 VIKING	5137.	3317.	8454.
7031 RC4 SYN2	6494.	3514.	10008.
7032 PS 79055	6600.	3572.	10172.
7033 MLM 01004	6354.	3620.	9974.
HARV MEANS	6053.	3466.	9519.
CV %	11.8	7.7	7.7
LSD (5%)	882.8	332.3	904.2

EXP 3084 TREFOIL VARIETY TRIAL

SEEDED 1984 KEMPTVILLE

A: TKEMP8486

HARVESTED 1986

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	TOTAL
7001 LEO	4628.	3653.	8281.
7003 EMPIRE	4856.	3102.	7959.
7004 VIKING	4597.	3401.	7998.
7010 MAITLAND	4283.	3499.	7782.
7031 RC4 SYN2	4832.	3368.	8200.
7032 PS 79055	4565.	3254.	7819.
7033 MLM 01004	4960.	3553.	8514.
HARV MEANS	4674.	3405.	8079.
CV %	11.6	3.8	7.1
LSD (5%)	665.8	159.1	699.3

EXP 7177 TREFOIL VARIETY TRIAL

SEEDED 1985 THUNDER BAY

A₂TTB85.86

HARVESTED 1986

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	TOTAL
7001 LEO	3259.	1443.	4703.
7003 EMPIRE	3286.	1710.	4996.
7004 VIKING	3479.	1792.	5271.
7031 RC4 SYN2	3275.	1582.	4857.
7032 PS 79055	3413.	1720.	5133.
7033 MLM 01004	3053.	1630.	4684.
HARV MEANS	3294.	1646.	4941.
CV %	8.7	9.8	5.8
LSD (5%)	356.5	199.7	356.9

PICKSEED PRIVATE - TREFOIL TRIAL 1984 SEEDING, BLENHEIM 1986 RESULTS

A = TB84.86

(kg/ha)

VARIETY	CUT 1	CUT 2	CUT 3	TOTAL
LEO	6513	2518	1696	7001 10726
MAITLAND	7761	2909	2150	7010 12820
MIRABEL	7044	2416	1582	7027 11042
79055	6899	1936	1305	7032 10139
EMPIRE	6714	2004	1526	7003 10244
01004	6940	2347	1701	7033 10988
RC4	7038	2162	1510	7031 10865
VIKING	7204	2152	1510	7004 10865
C.V. %	7.71	9.27	9.20	5.72
1.s.d.	810	290	210	990

RED CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years of Data</u>
4023	Arlington	O.F.C.C.	Recommended, Publ. 296	-
4017	Florex	O.F.C.C.	Recommended, Publ. 296	-
4002	Lakeland	O.F.C.C.	Recommended, Publ. 296	-
4003	Ottawa	O.F.C.C.	Recommended, Publ. 296	-
4027	Prosper I	O.F.C.C.	Recommended, Publ. 296	-
4037	Kuhn	Landis	No Support '86, re-examine '87	7
4036	W116 (Atlas)	N.K.	Support for licence, Def. 1	10
4034	W115	N.K.	Support for licence, Def. 1	10
4038	BCHG 0384	Bonis		7
4039	OT83-1	Ottawa Rs. St.		7
4040	Molly	Bonis		5
4045	Viola	Nemec		5
4041	W-111	N.K.	No support, 86, re-examine '87	7
4042	W-113	N.K.	No support, 86, re-examine '87	7
4043	Violetta	Oseco		5
4044	Reddy	U.C.O.		5
4047	Hamidori 4N	King		5
4046	Hamidori 2N	King		5
4048	03-1982-1	Pickseed		2
4049	Starglo	Oseco		2
4050	Marino	Pickseed	Licenced	0
4051	Marcom	Nemec		0
4052	Lossam	Nemec		0
4053	CRS1	Charlottetown Res. Station		0

RED CLOVER DELETIONS
RED CLOVER DATA 1986

Cultivar	Elora 84-86	Elora 85-86	New Liskeard 85-86 (1)	Mean	% of Check
Florex	9525	9206	6845	8525	100.0
Lakeland	7912	8716	6160	7596	89.1
Ottawa	8450	8348	5828	7542	88.5
Arlington	8706	8966	6118	7930	93.0
Prosper I	8629	9234	6850	8238	96.6

(1) first cut only

RED CLOVER 1985 DATA

Cultivar	Elora 84-85	Ottawa 84-85	Mean	% of Check
Florex	9399	5533	7466	100.0
Lakeland	9303	6021	7662	102.6
Ottawa	8489	6893	7691	103.0
Arlington	9436	5936	7686	102.3
Prosper I	8810	5449	7130	95.5

RED CLOVER 1984 DATA

Cultivar	Elora 82-84	Kemptville 83-84	New Liskeard 83-84	Mean	% of Check
Florex	8608	6330	8106	7681	100.0
Lakeland	7827	6464	8398	7563	98.5
Ottawa	7789	6788	7529	7369	95.9
Arlington	7498	6588	8537	7541	98.2
Prosper I	8354	6615	8813	7927	103.2

SUMMARY 1984-86

Cultivar	Mean	% of Check
Florex	7944	100.0
Lakeland	7600	95.7
Ottawa	7514	94.6
Arlington	7723	97.2
Prosper I	7844	98.7

EXP 2533 RED CLOVER VARIETY TRIAL

SEEDED 1984 FLORA

A: RCELOR 84.86

HARVESTED 1986

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	TOTAL
4002 LAKELAND	4550.	3362.	7912.
4003 OTTAWA	4817.	3632.	8450.
4017 FLOREX	5894.	3632.	9525.
4023 ARLINGTON	4800.	3906.	8706.
4027 PROSPER I	4927.	3702.	8629.
4034 W115	5120.	3941.	9061.
4035 YKYC	5584.	4127.	9710.
4036 W116	5242.	3796.	9039.
4037 KUHN	4757.	2574.	7332.
4038 BCHG0384	5288.	1536.	6824.
4039 OT83-1	4213.	3808.	8021.
4040 MOLLY	5796.	1471.	7267.
4041 W111	5072.	3892.	8964.
4042 W113	5200.	3790.	8990.
4043 VIOLETTA	5153.	2846.	7999.
4044 REDDY	4986.	3869.	8855.
4045 VIOLA	4839.	2382.	7221.
4046 2X HAMIDORI	4631.	2420.	7052.
4047 4X HAMIDORI	5696.	3709.	9405.
HARV MEANS	5082.	3284.	8366.
CV %	13.3	10.5	9.4
LSD (5%)	806.6	409.1	933.2

EXP 2594 OFCC RED CLOVER TRIALIAL

SEEDED 1985 FLORA

A-RELUX85.86

HARVESTED 1986

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	TOTAL
4002 LAKELAND	4337.	4379.	8716.
4003 OTTAWA	4456.	3893.	8348.
4017 FLOREX	4803.	4403.	9206.
4023 ARLINGTON	4519.	4447.	8966.
4027 PROSPER I	4811.	4423.	9234.
4038 BCHG0384	4688.	3195.	7883.
4039 OT83-1	4726.	4526.	9252.
4040 MOLLY	5212.	4445.	9657.
4041 W111	3942.	4711.	8654.
4042 W113	4522.	4355.	8877.
4043 VIOLETTA	4390.	4257.	8903.
4044 REDDY	4576.	4327.	8903.
4045 VIOLA	4533.	3396.	7929.
4046 2X HAMIDORI	4450.	4067.	8516.
4047 4X HAMIDORI	4621.	5037.	9658.
4048 03-1982-1	4108.	3774.	7882.
4049 STARGLO	4103.	4182.	8286.
HARV MEANS	4517.	4225.	8742.
CV %	15.3	11.9	10.3
LSD (5%)	824.4	597.6	1068.2

A:RCMS86

RED CLOVER VARIETY TEST 85

New Liskeard College of Agricultural Technology

Harvested - 1986
Mean Yield (kg/ha)

CULTIVAR	CUT 1 June 23	CUT 2 July 30	TOTAL
4002 LAKELAND	4207.	1963.	6170.
4003 OTTAWA	3687.	1961.	5828.
4017 FLOREX	4633.	2212.	6845.
4023 ARLINGTON	4079.	2039.	6118.
4027 PROSPER I	4548.	2302.	6850.
4038 BCHG0384	5739.	1499.	7238.
4039 OT83-1	4075.	1858.	5933.
4040 MOLLY	5938.	1983.	7221.
4041 W111	4170.	2510.	6680.
4042 W113	4048.	2008.	6056.
4043 VIOLETTA	2903.	1793.	4696.
4044 REDDY	3487.	1752.	5239.
4045 VIOLA	3984.	2321.	6305.
4046 2X HAMIDORI	4419.	1682.	6101.
4047 HAMIDORI 4N	4712.	1635.	6347.
4048 4X HAMIDORI	2583.	1321.	3904.
4049 STARGLO	3525.	1568.	5093.
HARV MEANS	4161.	1906.	6067.
CV %	5.4	29.8	
LSD (5%)	267.9	677.3	

NOTE - Due to CV on second cut only 1st cut acceptable.

NORTHROP KING SEEDS LTD.

FORAGE YIELD DATA

A-RCNK 84/86

1984 Official Red Clover Trial - Summary

Harvested 1986

Cultivar	Yield (kg/ha)		Total
	1st Cut	2nd Cut	
W115	5985	4833	4034 10818
W111	5599	5040	4041 10639
W113	5328	5129	4042 10457
W116	5398	4847	4036 10245
Florex	5506	4623	4017 10129
YKYC	5078	4980	4035 10058
C.V. (%)	9.0	4.0	6.0

Notes:

Design: R.C.B.
 Date Seeded: May 4, 1984
 Seeding Method: 5 row plot seeder
 Soil Type: Silt Loam
 Plot Size: 6.0 m x 1.35 m
 Harvested Area: 6.0 m x 1.0 m 1st cut June 16/86, 2nd cut July 23/86
 Fertilizer: 350 kg/ha 6-24-24 June/84
 350 kg/ha 0-20-20 April/85
 350 kg/ha 6-24-24 August/85
 200 kg/ha 6-24-24 April/86
 200 kg/ha 6-24-24 July/86
 Herbicide: 1984 Eptam 4.0 1/ha (P.P.I.)
 Tropotox plus 4.0 1/ha (post)

NORTHROP KING SEEDS LTD.

FORAGE YIELD DATA

A: RC NIK 85.86

1985 Official Red Clover Trial - Summary

Harvested 1986

Cultivar	Yield (kg/ha)		Total
	1st Cut	2nd Cut	
W116	7497	5769	4036 13266
W113	7207	5594	4042 12801
W115	7461	5237	4043 12698
YKYC	6913	5596	4035 12509
W111	7058	5386	4041 12444
Florex	7209	4934	4017 12143
CV (%)	11.8	6.2	7.6

Notes:

Design: R.C.B.
Date Seeded: May 8, 1985
Seeding Method: 5 row plot seeder
Soil Type: Silt Loam
Plot Size: 6.0 m x 1.35 m
Harvested Area: 6.0 m x 1.0 m 1st cut June 9/86, 2nd cut July 22/86
Fertilizer: 350 kg/ha 0-20-20 June /85
300 kg/ha 0-20-20 April/86
Herbicide: Eptam 2.0 l/ha (P.P.I.)

WHITE CLOVER VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years</u> <u>of Data</u>
8005	Sacramento	O.F.C.C.	Recommended, Publ. 296	-
8007	California	O.F.C.C.		
	Ladino		Recommended, Pub. 296	-
8004	Merit		Recommended, Pub. 296	-
8009	Crown	Nemec	Supported for licence, def. (1)	-
8010	Canopy	Nemec	Supported for licence, def. (1)	-

EXP 7173 WHITE CLOVER VARIETY

SEEDED 1985 THUNDER BAY

A=WCTBPS.86

HARVESTED 1986

MEAN YIELD (kg/ha)

CULTIVAR	CUT 1	CUT 2	CUT 3	TOTAL
8002 LADINO	2219.	1493.	759.	4472.
8003 COMMON	2258.	1203.	449.	3910.
8005 SACRAMENTO	2336.	1559.	705.	4600.
8007 CAL. LADINO	2187.	1406.	822.	4415.
8009 CROWN	2313.	1526.	1005.	4844.
8010 CANOPY	2339.	1597.	896.	4832.
HARV MEANS	2275.	1464.	773.	4512.
C.V. %	6.9	6.1	15.1	4.4
LSD (5%)	133.5	75.5	99.2	169.8

TIMOTHY VARIETIES

CURRENT STATUS OF VARIETIES - Jan 16, 1987

Recommended in Publication 296

Toro	Itasca	
Basho	Timfor	Richmond
Champ	Climax	Salvo
Mariposa	Winmor	(K216)

Station Year

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>of Data</u>
6074	K215	N.K.	Supported for lic., Deferred (4)	-
6087	81006	Pickseed	Supported for lic. Deferred (1)	
6086	Alexander	Bonis	Support for licence, Def. (2)	
6091	Tiller	Oseco	No support 86, re-examine '87	6
6090	Korpa	Oseco	No support 86, re-examine '87	6
6089	OT PX2	Ottawa	No support 86, re-examine '87	6
6092	81005	Pickseed	No support 86, re-examine '87	6
6093	81009	Pickseed	No support 86, re-examine '87	6
6088	OHPX5	Ottawa	No support 86, re-examine '87	6
6094	Barliza	Oseco		3
6095	WWT100	Oseco		3
6096	Alma	Oseco		3
6097	WWT118	Oseco		0
6098	TM85-1	Pickseed		0
6099	TM85-2	Pickseed		0

OFCC TIMOTHY TRIAL

SUMMARY 1985 SEEDING

CODE	VARIETY	NEW			MEAN
		ELORA	LISKEARD	OTTAWA	
6002	CLIMAX	11859	8207	11521	10529
6040	TIMFOR	11225	7570	11008	9934
6075	K 216	11661	8303	11676	10547
6081	MLM 17018	11887	7069	12196	10384
6088	OTT-PX5	10706	7137	9829	9224
6089	OTT-PX2	11256	8176	10873	10102
6090	KORPA	10982	7190	7894	8690
6091	TILLER	10577	6725	12375	9892
6092	81005	11791	6976	12185	10314
6093	82009	12548	8363	11916	10942
6094	BARLIZA	10870	7347	9467	9228
6095	WWT100	12521	8402	11918	10947
6096	ALMA	10553	7342	8948	8948

EXPT.2606

OFCC TIMOTHY TRIAL ELORA

1985 SEEDING 1986 YIELD KG/HA

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
6002	CLIMAX	8219	3640	11859	5930
6040	TIMFOR	7358	3867	11225	5613
6075	K 216	8777	2884	11661	5831
6081	MLM 17018	7599	4288	11887	5944
6088	OTT-PX5	7834	2873	10706	5353
6089	OTT-PX2	8489	2768	11256	5628
6090	KORPA	8150	2832	10982	5491
6091	TILLER	6160	4417	10577	5289
6092	81005	7840	3951	11791	5896
6093	82009	8924	3624	12548	6274
6094	BARLIZA	7721	3149	10870	5435
6095	WWT100	8705	3816	12521	6261
6096	ALMA	7764	2789	10553	5277
MEAN		7965	3454	11418	
C.V.%		4.5	6.7	3.5	
LSD(5%)		500.2	323.8	560.1	

APC

EXPT.4285

OFCC TIMOTHY TRIAL OTTAWA

1985 SEEDING 1986 YIELD KG/HA

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
6002	CLIMAX	5758	5763	11521	5761
6040	TIMFOR	5210	5798	11008	5504
6075	WINMOR	5523	6153	11676	5838
6081	MLM17018	6061	6135	12196	6098
6088	OTT-PX5	4764	5065	9829	4915
6089	OTT-PX2	5192	5681	10873	5437
6090	KORPA	4870	3024	7894	3947
6091	TILLER	6113	6262	12375	6188
6092	81005	5816	6369	12185	6093
6093	81009	5881	6035	11916	5958
6094	BARLIZA	4945	4522	9467	4734
6095	WWT100	6283	5635	11918	5959
6096	ALMA	4673	4275	8948	4474
MEAN		5468	5440		
C.V.%		8.38	14.38		

APC

TIMOTHY VARIETY TRIAL NEW LISKEARD

1985 SEEDING 1986 YIELD KG/HA

APC

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
6002	CLIMAX	6556	1651	8207	4104
6040	TIMFOR	5744	1826	7570	3785
6075	K 216	6278	2023	8303	4152
6081	MLM 17018	5260	1808	7069	3535
6088	OTT-PX5	5864	1273	7137	3569
6089	OTT-PX2	6624	1552	8176	4088
6090	KORPA	5625	1564	7190	3594
6091	TILLER	4952	1773	6725	3363
6092	81005	5220	1756	6976	3488
6093	82009	6438	1926	8363	4182
6094	BARLIZA	5410	1937	7347	3674
6095	WWT100	6431	1971	8402	4201
6096	ALMA	5397	1945	7342	3671
MEAN		5831	1770	7600	
C.V.%		6.6	10.1	6.0	
LSD(5%)		464.5	215.5	543.2	

EXPT. 4284

OFCC TIMOTHY TRIAL OTTAWA

1984 SEEDING 1986 YIELD KG/HA

APC

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
6002	CLIMAX	5796	6280	12076	6038
6040	TIMFOR	6134	6798	12932	6466
6081	MLM17018	6780	6139	12919	6460
6086	BCSV0907	5166	6536	11702	5851
6087	81006	6781	6738	13519	6760
6088	OTTPX-5	6347	5731	12078	6039
6089	OTTPX-2	5910	6605	12515	6257
6090	KORPA	4885	4299	9184	4592
6091	TILLER	6261	6359	12620	6310
6092	81005	6649	6457	13106	6553
6093	81009	5585	5971	11556	5778
MEAN		6027	6174	12201	
C.V.%		15.9	10.1		

EXPT.2858

OFCC TIMOTHY PERFORMANCE TRIAL ELORA

1984 SEEDING 1986 YIELD KG/HA

CODE	VARIETY	CUT 1	CUT2	TOTAL	MEAN
6005	CHAMP	10196	5008	15204	7602
6009	BASHO	8707	4794	13501	6750
6026	ITASCA	9327	4856	14183	7091
6030	TORO	7350	5081	12431	6216
6037	PRONTO	9853	4888	14741	7371
6040	TIMFOR	9072	4811	13883	6942
6050	RICHMOND	7923	5176	13099	6550
6062	SALVO	6412	5050	11461	5731
MEAN		8696	4928	13625	
C.V.%		8.8	5.1	6.7	
LSD(5%)		922.9	328.5	1097.5	

APC

BROME GRASS VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	Station Years <u>of Data</u>
2001	Baylor	O.F.C.C.	Recommended, Publ. 296	-
2027	Beacon	O.F.C.C.	Recommended, Publ. 296	-
2012	Blair	O.F.C.C.	Recommended, Publ. 296	-
2002	Saratoga	O.F.C.C.	Recommended, Publ. 296	-
2024	Tempo	O.F.C.C.	Recommended, Publ. 296	-
2039	Bravo	O.F.C.C.	Recommended, Publ. 296	-

EXPT. 4384

OFCC BROME TRIAL OTTAWA

1984 SEEDING 1986 YIELD KG/HA

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
2001	BAYLOR	7132	5826	12958	6479
2002	SARATOGA	6148	5001	11149	5575
2012	BLAIR	6188	5895	12083	6042
2024	TEMPO	6493	5636	12129	6065
2027	BEACON	6734	5979	12713	6357
2030	BROMEX	6580	5295	11875	5938
2039	BRAVO	7007	5021	12019	6009
MEAN		6612	5522		
C.V. %		10.3	7.3		

EXPT. 4384

OFCC BROME TRIAL OTTAWA

1984 SEEDING 2 YEAR MEAN

CODE	VARIETY	1985	1986	2 YEAR MEAN
2001	BAYLOR	9884	12958	11421
2002	SARATOGA	9655	11149	10402
2012	BLAIR	9695	12083	10889
2024	TEMPO	9515	12129	10822
2027	BEACON	10203	12713	11458
2030	BROMEX	9772	11875	10824
2039	BRAVO	8772	12019	10396

OFCC BROME NEW LISKEARD

1985 SEEDING 1986 YIELD

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
2001	BAYLOR	7007	2484	9491	4746
2002	SARATOGA	7044	2675	9719	4860
2012	BLAIR	7038	2570	9608	4804
2024	TEMPO	7255	2568	9823	4912
2027	BEACON	7075	2602	9677	4839
2030	BROMEX	7376	2465	9841	4921
2039	BRAVO	7476	2596	10071	5036
MEAN		7181	2566	9747	
C.V.%		5.6	13.1	5.1	
LSD(5%)		490.4	425.0	609.3	

REED CANARY VARIETIES

CURRENT STATUS OF VARIETIES - JANUARY 16, 1987

<u>CODE</u>	<u>VARIETY</u>	<u>ENTERED BY</u>	<u>OFFICIAL STATUS</u>	<u>STATION YEARS OF DATA</u>
5011	Vantage	O.F.C.C.	Recommended, Publ. 296	-
5016	Venture	Landis	Supported for lic. Def. (1)	-
5013	Palaton	Oseco	Supported for lic. Def. (1)	-
5014	Rival	U. of Manitoba	Not supported 86, re-examine '87	9
5015	3-425	OFCC	Not supported, testing completed	9

Mean gramine concentration (ug/gm D.M) of reed canarygrass cultivars. Young regrowth was sampled at the Plant Research Centre in October 1985.

Cultivar	Rep	1	2	3	4	Mean
Palaton		770	730	440	890	710
Regale (Rival)		670	940	1050	530	800
Vantage		1450	690	560	540	810
Frontier		TC+	TC+	TC+	TC+	--
Grove		TC+	TC+	TC+	TC+	--
Rise		TC+	TC+	TC+	TC+	--
3-425		TC+	TC+	TC+	TC+	--
Venture		1070	640	360	400	620

Comments:

1. TC+ indicates the presence of tryptamine and carboline alkaloids. When they are present, the gramine concentration cannot be determined by the procedure that was used.
2. Only cultivars free of tryptamine and carboline alkaloids are recommended for use as forage.

Analysis by Dr. Bruce Coulman, Macdonald College
for Ontario Forage Crops Committee

OFCC REED CANARYGRASS VARIETIES

ELIGIBLE FOR RECOMMENDATION 1986

CODE	VARIETY	GUELPH		OTTAWA		NEW LISKEARD	
		1985	1986	1985	1986	1985	1986
5002	FRONTIER	12282	13161	9439	11920	7472	10686
5013	PALATON	12208	12892	10483	11112	7498	9940
5014	RIVAL	11549	12130	9232	12562	7414	9116
5015	3;425	11832	12749	10404	12700	6904	10275
5016	VENTURE	12001	12968	10212	12746	7483	9042

CODE	VARIETY	KAPUSKASING		NEW LISKEARD	9 STATION
		1985	1986	1985	MEAN
5002	FRONTIER	7339	6915	9417	9848
5013	PALATON	7271	6788	8582	9642
5014	RIVAL	7105	6361	8931	9378
5015	3;425	7093	6963	9629	9839
5016	VENTURE	7671	6276	8252	9628

OFCC REED CANARYGRASS SUMMARY

		1984 SEEDING		9 STATION MEAN			
CODE	VARIETY	GUELPH		OTTAWA		KAPUSKASING	
		1985	1986	1985	1986	1985	1986
5002	FRONTIER	12282	13161	9439	11920	7339	6915
5005	RISE	11228	12609	10138	12209	7540	6920
5010	GROVE	11672	12596	10057	12105	7333	6545
5011	VANTAGE	11723	12994	10122	12332	7814	7269
5013	PALATION	12208	12892	10483	11112	7271	6788
5014	RIVAL	11549	12130	9232	12562	7105	6361
5015	3;425	11832	12749	10404	12700	7093	6963
5016	VENTURE	12001	12968	10212	12746	7671	6276

CODE	VARIETY	NEW LISKEARD		NEW LISKEARD		9 STATION MEAN
		1985	1986	1985	SEEDING	
		1984 SEEDING				
5002	FRONTIER	7472	10686	9417		9848
5005	RISE	7831	10446	7205		9570
5010	GROVE	5010	7587	10492		8529
5011	VANTAGE	7772	10426	8945		9933
5013	PALATON	7498	9940	8582		9642
5014	RIVAL	7414	9116	8931		9378
5015	3;425	6904	10275	9629		9839
5016	VENTURE	7483	9042	8252		9628

EXPT.2861

OFCC REED CANARYGRASS GUELPH

1984 SEEDING

2 YEAR MEAN

CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5002	FRONTIER	13161	12282	12722
5005	RISE	12609	11228	11919
5010	GROVE	12596	11672	12134
5011	VANTAGE	12994	11723	12359
5013	PALATION	12892	12208	12550
5014	RIVAL	12130	11549	11834
5015	3;425	12749	11832	12291
5016	VENTURE	12968	12001	12485

EXPT 2861

OFCC REED CANARYGRASS ELORA

1984 SEEDING 1986 YIELD

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5002	FRONTIER	7233	5929	13161	6581
5005	RISE	6774	5835	12609	6305
5010	GROVE	6724	5871	12596	6298
5011	VANTAGE	7076	5919	12994	6497
5013	PALATION	7065	5827	12892	6446
5014	REGALE	6628	5502	12130	6065
5015	3-425	6672	6077	12749	6365
5016	VENTURE	7275	5693	12968	6484
MEANS		6931	5831	12762	
C.V.%		7.4	2.4	4.3	
LSD(5%)		625.7	172.9	665.7	

EXPT.4484

OFCC REED CANARYGRASS OTTAWA

		1984 SEEDING		1986 YIELD	
CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5002	FRONTIER	6401	5519	11920	5960
5005	RISE	6684	5525	12209	6105
5010	GROVE	6738	5367	12105	6053
5011	VANTAGE	6183	6149	12332	6166
5013	PALATION	6122	4990	11112	5556
5014	RIVAL	6817	5748	12565	6283
5015	3;425	6677	6023	12700	6350
5016	VENTURE	6494	6252	12746	6373
MEAN		6515	5696		
C.V.%		7.9	11.8		

EXPT.4484

OFCC REED CANARYGRASS OTTAWA

1984 SEEDING

2 YEAR MEAN

CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5002	FRONTIER	11920	9439	10679
5005	RISE	12209	10138	11174
5010	GROVE	12105	10057	11081
5011	VANTAGE	12332	10122	11227
5013	PALATION	11112	10483	10798
5014	RIVAL	12562	9232	10897
5015	3;425	12700	10404	11552
5016	VENTURE	12746	10212	11479

EXPT.6059

OFCC REED CANARYGRASS KAPUSKASING

		1984 SEEDING		1986 YIELD	
CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5002	FRONTIER	3215	3700	6915	3458
5005	RISE	3359	3562	6920	3460
5010	GROVE	3031	3508	6545	3273
5011	VANTAGE	3537	3732	7269	3635
5013	PALATION	3354	3435	6788	3394
5014	RIVAL	2900	3461	6361	3181
5015	3;425	3103	3860	6963	3482
5016	VENTURE	3070	3206	6276	3138
MEAN		3197	3558	6755	
C.V.%		7.2	7.1	6.3	

EXPT.6059

OFCC REED CANARYGRASS KAPUSKASING

		1984 SEEDING	2 YEAR MEAN	
CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5002	FRONTIER	6915	7339	7127
5005	RISE	6920	7540	7230
5010	GROVE	6545	7333	6939
5011	VANTAGE	7269	7814	7542
5013	PALATION	6788	7271	7030
5014	RIVAL	6361	7105	6733
5015	3;425	6963	7093	7028
5016	VENTURE	6276	7671	6974

EXPT 8302

OFCC REED CANARYGRASS NEW LISKEARD

		1984 SEEDING		1986 YIELD	
CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5002	FROINTIER	5924	4762	10686	5343
5005	RISE	6102	4344	10446	5223
5010	GROVE	5732	4760	10492	5246
5011	VANTAGE	5706	4721	10426	5213
5013	PALATION	5815	4121	9940	4970
5014	REGALE	4808	4308	9116	4558
5015	3-425	5143	5132	10275	5138
5016	VENTURE	4985	4058	9042	4521
MEAN		5527	4526	10053	
C.V. %		14.5	7.9	8.1	
LSD(5%)		972.1	434.1	992.8	

EXPT.8302

OFCC REED CANARYGRASS NEW LISKEARD

		1984 SEEDING	2 YEAR MEAN	
CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5002	FRONTIER	10686	7472	9079
5005	RISE	10446	7831	9139
5010	GROVE	10492	7587	9040
5011	VANTAGE	10426	7772	9099
5013	PALATION	9940	7498	8719
5014	RIVAL	9116	7414	8265
5015	3;425	10275	6904	8590
5016	VENTURE	9042	7483	8263

OFCC REED CANARYGRASS NEW LISKEARD

1985 SEEDING		1986 YIELD			
CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5002	FRONTIER	6603	2814	9417	4709
5005	RISE	4757	2448	7205	3603
5010	GROVE	5973	2556	8529	4265
5011	VANTAGE	5940	3005	8945	4473
5013	PALATON	6079	2503	8582	4291
5014	REGALE	6167	2764	8931	4466
5015	3-425	6479	3151	9629	4815
5016	VENTURE	5524	2728	8252	4126
MEAN		5940	2746	8686	
C.V.%		9.0	8.8	5.5	
LSD(5%)		647.1	293.1	585.7	

ORCHARD GRASS VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years</u> <u>of Data</u>
3027	Hallmark	O.F.C.C.	Recommended, Publ. 296	-
3001	Juno	O.F.C.C.	Recommended, Publ. 296	-
3009	Napier	O.F.C.C.	Recommended, Publ. 296	-
3046	Sumas	O.F.C.C.	Recommended, Publ. 296	-
3003	Kay	O.F.C.C.	Recommended, Publ. 296	-
3064	K8-122	N.K.	Supported for lic. Def. (2)	-
3066	14011	Pickseed	Supported for lic. Def. (2)	-
3068	14-78-3	Pickseed	Supported for lic. Def. (1)	-
3069	Rancho	U.C.O	Supported for lic. Def. (1)	-
3065	OAC 84-117	U. of Guelph	No support 86, re-examine '87	8
3067	OAC 84-118	U. of Guelph	No support 86, re-examine '87	8
3070	SF 8501	St. Foy Res. St.		0

SUMMARY OF ORCHARDGRASS VARIETIES

ELIGIBLE FOR RECOMMENDATION 1986

EARLY
1984 SEEDING

	GUELPH		OTTAWA		NEW LISKEARD	
	1985	1986	1985	1986	1985	1986
HALLMARK	15061	9884	8946	8428	6675	8920
14-78-3	16216	10954	8722	8682	6862	8292
84-117	15907	10111	8740	8288	7325	8551
84-118	14950	10109	8625	8039	6769	8602

1985 SEEDING

8 STATION

	OTTAWA	NEW LISKEARD	MEAN
HALLMARK CHECK	8670	10363	9618
14-78-3	7918	10069	9714
84-117	7332	10160	9552
84-118	8401	10579	9509

LATE
1984 SEEDING

	GUELPH		OTTAWA		NEW LISKEARD	
	1985	1986	1985	1986	1985	1986
KAY(CK.)	16988	10174	7979	7691	7106	8162
RANCHO	14637	10647	8327	8079	7225	8974

1985 SEEDING

	OTTAWA	NEW LISKEARD	MEAN
KAY(CK.)	6738	10857	9462
RANCHO	8121	10196	9526

OFCC ORCHARDGRASS TRIAL

SUMARY OF 1984 SEEDING

CODE	VARIETY	1985	1986	1985	1986
		GUELPH		OTTAWA	
3001	JUNO	16460	9706	9701	8274
3003	KAY	16988	10174	7979	7691
3009	NAPIER	14569	9833	8463	8030
3024	INA	16052	10857	9461	9248
3027	HALLMARK	15061	9884	8946	8428
3046	SUMAS	15614	11025	9596	8266
3065	84-117	15907	10111	8740	8288
3066	14011	15682	10219	8761	7208
3067	84-118	14950	10109	8625	8039
3068	14-78-3	16216	10954	8722	8682
3069	RANCHO	14637	10647	8327	8079
		NEW LISKEARD		3 STATION	
		1985	1986	2 YR. MEAN	
3001	JUNO	7106	8298	9924	
3003	KAY	7106	8162	9683	
3009	NAPIER	6671	8602	9361	
3024	INA	7178	9060	10309	
3027	HALLMARK	6675	8920	9652	
3046	SUMAS	6586	8185	9879	
3065	84-117	7325	8551	9820	
3066	14011	6611	8396	9480	
3067	84-118	6769	8602	9516	
3068	14-78-3	6862	8292	9955	
3069	RANCHO	7225	8974	9982	

OFCC ORCHARDGRASS TRIAL

SUMMARY OF 1985 SEEDING

CODE	VARIETY	NEW LISKEARD	OTTAWA	MEAN
3001	JUNO	10245	8411	9328
3003	KAY	10857	6738	8798
3009	NAPIER	10524	8779	9652
3024	INA	10482	8442	9462
3027	HALLMARK	10363	8670	9517
3046	SUMAS	10499	8602	9551
3065	84-117	10160	7332	8746
3066	14011	10527	8055	9291
3067	84-118	10579	8401	9486
3068	14-78-3	10069	7918	8934
3069	RANCHO	10196	8121	9159

EXPT 2859

OFCC ORCHARDGRASS ELORA

		1984SEEDING		1986YIELD	
CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
3001	JUNO	5633	4073	9706	4853
3003	KAY	5675	4466	10174	5087
3009	NAPIER	5989	3844	9833	4917
3024	INA	6200	4657	10857	5429
3027	HALLMARK	5675	4210	9884	4942
3046	SUMAS	6389	4636	11025	5513
3065	84-117	6019	4092	10111	5056
3066	14011	5793	4426	10219	5110
3067	84-118	5861	4248	10109	5055
3068	14-78-3	6570	4384	10954	5477
3069	RANCHO	6174	4473	10647	5324
MEAN		5998	4322	10320	
C.V.%		7.0	5.7	4.9	
LSD(5%)		503.6	297.2	608.7	

EXPT. 2859

OFCC ORCHARDGRASS TRIAL GUELPH

1984 SEEDING 2 YEAR MEAN

CODE	VARIETY	YIELD 86	YIELD 85	2YR. MEAN
3001	JUNO	9706	16460	13083
3003	KAY	10174	16988	13581
3009	NAPIER	9833	14569	12201
3024	INA	10857	16052	13455
3027	HALLMARK	9884	15061	12473
3046	SUMAS	11025	15614	13320
3065	84-117	10111	15907	13009
3066	14011	10219	15682	12951
3067	84-118	10109	14950	12530
3068	14-78-3	10954	16216	13585
3069	RANCHO	10647	14637	12642

EXPT. 4184

OFCC ORCHARDGRASS TRIAL OTTAWA

1984 SEEDING		1986 YIELD KG./HA.			
CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
3001	JUNO	3737	4537	8274	4137
3003	KAY	3397	4294	7691	3846
3009	NAPIER	3588	4442	8030	4015
3024	INA	3383	5865	9248	4624
3027	HALLMARK	3505	4923	8428	4214
3046	SUMAS	3391	4875	8266	4133
3065	84-117	3585	4703	8288	4144
3066	14011	2677	4531	7208	3604
3067	84-118	3702	4337	8039	4020
3068	14-78-3	3996	4686	8682	4341
3069	RANCHO	3609	4470	8079	4040
MEAN		3506	4697		
C.V.%		12.7	12.1		

MEAN 4184

OFCC ORCHARDGRASS TRIAL OTTAWA

1984 SEEDING

2 YEAR MEAN

CODE	VARIETY	YIELD 86	YIELD 85	2YR.MEAN
3001	JUNO	8274	9701	8988
3003	KAY	7691	7979	7835
3009	NAPIER	8030	8463	8247
3024	INA	9248	9461	9355
3027	HALLMARK	8428	8946	8687
3046	SUMAS	8266	9569	8918
3065	84-117	8288	8740	8514
3066	14011	7208	8761	7985
3067	84-118	8039	8625	8332
3068	14-78-3	8682	8722	8702
3069	RANCHO	8079	8327	8203

OFCC ORCHARDGRASS NEN LISKEARD

1984 SEEDING 1986 YIELD

CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
3001	JUNO	5614	925	1759	8298	2766
3003	KAY	5376	773	2013	8162	2721
3009	NAPIER	5630	968	2004	8602	2867
3024	INA	5690	1049	2321	9060	3020
3027	HALLMARK	5675	1039	2206	8920	2973
3046	SUMAS	5575	771	1839	8185	2728
3065	84-117	5713	899	1939	8551	2850
3066	14011	5765	762	1869	8396	2799
3067	84-118	5660	909	2033	8602	2867
3068	14-78-3	5525	874	1894	8292	2764
3069	RANCHO	5983	1007	1984	8974	2991
MEAN		5655	907	1987	8549	
C.V.%		7.6	28.2	9.8	7.1	
LSD(5%)		519.0	307.1	234.0	731.0	

EXPT.8303

OFCC ORCHARDGRASS TRIAL NEW LISKEARD

1984 SEEDING

2 YEAR MEAN

CODE	VARIETY	1986	1985	MEAN
3001	JUNO	8298	7106	7702
3003	KAY	8162	7106	7634
3009	NAPIER	8602	6671	7637
3024	INA	9060	7178	8119
3027	HALLMARK	8920	6675	7798
3046	SUMAS	8185	6586	7386
3065	84-117	8551	7325	7938
3066	14011	8396	6611	7504
3067	84-118	8602	6769	7699
3068	14-78-3	8292	6862	7577
3069	RANCHO	8974	7225	8080

EXPT.4185

OFCC ORCHARDGRASS TRIAL OTTAWA

		1985 SEEDING		1986 YIELD	
CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
3001	JUNO	3743	4668	8411	4206
3003	KAY	3672	3966	6738	3819
3009	NAPIER	4035	4744	8779	4390
3024	INA	3300	5142	8442	4221
3027	HALLMARK	3891	4779	8670	4335
3046	SUMAS	3574	5028	8602	4301
3065	84-117	3170	4162	7332	3666
3066	14011	3477	4578	8055	4028
3067	84-118	3802	4599	8401	4201
3068	14-78-3	3673	4245	7918	3959
3069	RANCHO	3741	4380	8121	4061
MEAN		3643	4572		
C.V.%		11.5	11.2		

OFCC ORCHARDGRASS NEW LISKEARD

		1985 SEEDING		1986 YIELD		
CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
3001	JUNO	6680	801	2764	10245	3415
3003	KAY	7255	903	2700	10857	3619
3009	NAPIER	6879	856	2789	10524	3508
3024	INA	6603	1153	2726	10482	3494
3027	HALLMARK	6732	810	2821	10363	3454
3046	SUMAS	6952	954	2593	10499	3500
3065	84-117	6510	749	2902	10160	3387
3066	14011	6802	936	2789	10527	3509
3067	84-118	6567	1207	2805	10579	3526
3068	14-78-3	6316	913	2840	10069	3356
3069	RANCHO	6326	819	3050	10196	3399
MEAN		6693	918	2798	10409	
C.V.%		6.9	39.3	11.3	8.3	
LSD(5%)		646.4	508.3	445.3	1211.2	

MEADOW FOXTAIL VARIETIES

CURRENT STATUS OF VARIETIES - Jan. 16, 1987

<u>Code</u>	<u>Variety</u>	<u>Entered by</u>	<u>Official Status</u>	<u>Station Years</u> <u>of Data</u>
5501	Dan	Oseco	Recommended, Pub. 296	-
5502	82007	Pickseed	Not supported 86, re-examine '87	8
5503	82008	Pickseed	Supported for lic. Def. (1)	-
5504	G4549	OFCC	Supported for lic. Def. (1)	-
5505	Comp 82	OFCC	Not supported 86, re-examine '87	8
5507	G4554	OFCC	Supported for lic. Def. (1)	8
5508	G4550	OFCC	Not supported 86, re-examine '87	8
5509	G4555	OFCC	Not supported 86, re-examine '87	8
5510	G4552	OFCC	Not supported 86, re-examine '87	8
5511	G4553	OFCC	Not supported 86, re-examine '87	8
5512	G4551	OFCC	Not supported 86, re-examine '87	8
5513	Comp 81	OFCC	Not supported 86, re-examine '87	8

OFCC MEADOW FOXTAIL SUMMARY

1984-85 SEEDING

CODE	VARIETY	1985 SEEDING			84SEEDING		ELEVEN STATION MEAN
		NEW LISKEARD	THUNDER BAY	GUELPH	KAP. 1985	1986	
5501	DAN	6165	4561	10140	8412	3809	6744
5502	82007	5908	4232	9609	7312	3726	6457
5503	82008	6339	4410	9280	8409	4093	6801
5504	G4549	6136	4081	10251	8350	4110	6745
5507	G4554	6215	4002	10697	8576	4267	6745
5508	G4550	5775	4051	10008	8759	4013	6650
5509	G4555	5822	3765	9626	7814	4026	6406
5510	G4552	6282	3793	9813	8012	3632	6591
5511	G4553	6354	3963	9818	8804	4020	6649
5512	G4551	5830	3644	9840	8524	3762	6632

1984 SEEDING

CODE	VARIETY	OTTAWA		NEW LISKEARD		THUNDER BAY	
		1985	1986	1985	1986	1985	1986
5501	DAN	7351	9550	5473	6593	7892	4239
5502	82007	7711	9653	5432	6869	7499	3094
5503	82008	7627	10642	5208	6446	7929	4431
5504	G4549	7574	10230	5006	6570	7714	4168
5507	G4554	5507	7410	9383	5351	6421	7574
5508	G4550	6793	9931	5105	6447	8230	4038
5509	G4555	7690	9686	4784	6043	7562	3653
5510	G4552	7135	9615	5171	6742	8125	4177
5511	G4553	7745	9540	5003	6280	7709	3898
5512	G4551	7343	9276	5511	6362	8685	4174

OFCC MEADOW FOXTAIL SUMMARY

1984 SEEDING 8 STATION MEAN

CODE	VARIETY	OTTAWA		NEW LISKEARD		THUNDER BAY	
		1985	1986	1985	1986	1985	1986
5501	DAN	7351	9550	5473	6593	7892	4239
5502	82007	7711	9653	5432	6869	7499	3094
5503	82008	7627	10642	5208	6446	7929	4431
5504	G4549	7574	10230	5006	6570	7714	4168
5505	COMP82	7795	10220	5346	6134	7479	4407
5507	G4554	7410	9383	5351	6421	7574	4300
5508	G4550	6793	9931	5105	6447	8230	4038
5509	G4555	6790	9686	4784	6043	7562	3653
5510	G4552	7135	9615	5171	6742	8125	4177
5511	G4553	7745	9540	5003	6280	7709	3898
5512	G4551	7343	9276	5511	6362	8685	4174
5513	COMP81	7270	9481	5478	6084	7920	4099

CODE	VARIETY	KAPASKASING		8 STATION MEAN
		1985	1986	
5501	DAN	8412	3809	6665
5502	82007	7312	3726	6412
5503	82008	8409	4093	6848
5504	G4549	8350	4110	6715
5505	COMP82	8779	3846	6751
5507	G4554	8576	4267	6660
5508	G4550	8759	4013	6665
5509	G4555	7814	4026	6407
5510	G4552	8012	3632	6576
5511	G4553	8804	4020	6625
5512	G4551	8524	3762	6705
5513	COMP81	8877	4190	6675

OFCC MEADOW FOXTAIL SUMMARY

		1985 SEEDING		MEAN	
CODE	VARIETY	NEW	THUNDER	3 STATION	
		LISKEARD	BAY	GUELPH	MEAN
5501	DAN	6165	4561	10140	6955
5502	82007	5908	4232	9609	6583
5503	82008	6339	4410	9280	6676
5504	G4549	6136	4081	10251	6823
5507	G4554	6215	4002	10697	6971
5508	G4550	5775	4051	10008	6611
5509	G4555	5822	3765	9626	6404
5510	G4552	6282	3793	9813	6629
5511	G4553	6354	3963	9818	6711
5512	G4551	5830	3644	9840	6438

EXPT.4584

OFCC MEADOW FOXTAIL OTTAWA

		1984 SEEDING		1986 YIELD			
CODE	VARIETY	CUT 1	CUT 2	CUT 3	CUT 4	TOTAL	MEAN
5501	DAN	1509	1441	2671	3929	9550	2388
5502	82007	1900	1357	3001	3395	9653	2413
5503	82008	2113	1346	3376	3807	10642	2661
5504	G4549	1704	1411	3325	3790	10230	2558
5505	COMP82	1867	1450	3070	3833	10220	2555
5507	G4554	1635	1478	2863	3407	9383	2346
5508	G4550	1683	1378	3426	3444	9931	2483
5509	G4555	1719	1316	2883	3768	9686	2422
5510	G4552	1590	1360	2965	3700	9615	2404
5511	G4553	1464	1426	3062	3588	9540	2385
5512	G4551	1586	1124	3072	3494	9276	2319
5513	COMP81	1835	1351	3056	3239	9481	2370
MEAN		1717	1370	3064	3616		
C.V.%		14.8	10.4	11.9	11.8		
DATE CUT		MAY 14	MAY28	JULY 8	AUG.26		

EXPT.4584

OFCC MEADOW FOXTAIL OTTAWA

1984 SEEDING

2 YEAR MEAN

CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5501	DAN	9550	7351	8451
5502	82007	9653	7711	8682
5503	82008	10642	7627	9135
5504	G4549	10230	7574	8902
5505	COMP82	10220	7795	9008
5507	G4554	9383	7410	8397
5508	G4550	9931	6793	8362
5509	G4555	9686	7690	8688
5510	G4552	9615	7135	8375
5511	G4553	9540	7745	8643
5512	G4551	9276	7343	8310
5513	COMP81	9481	7270	8376

EXPT.6204

OFCC MEADOW FOXTAIL KAPASKASING

		1984 SEEDING		1986 YIELD		
CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
5501	DAN	1154	1644	1011	3809	1270
5502	82007	1162	1726	838	3726	1242
5503	82008	1270	1761	1062	4093	1364
5504	G4549	1392	1793	925	4110	1370
5505	COMP82	1234	1655	957	3846	1282
5507	G4554	1291	1991	985	4267	1422
5508	G4550	1374	1713	926	4013	1338
5509	G4555	1143	1778	1105	4026	1342
5510	G4552	1153	1585	894	3632	1211
5511	G4553	1189	1838	993	4020	1340
5512	G4551	970	1842	950	3762	1254
5513	COMP81	1468	1838	884	4190	1397
MEAN		1233	1764	961	3958	
C.V.%		18	12	10	8.9	

EXPT.6204

OFCC MEADOW FOXTAIL KAPASKASING

1984 SEEDING

2 YEAR MEAN

CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5501	DAN	3809	8412	6111
5502	82007	3726	7312	5519
5503	82008	4093	8409	6251
5504	G4549	4110	8350	6230
5505	COMP82	3846	8779	6313
5507	G4554	4267	8576	6422
5508	G4550	4013	8759	6386
5509	G4555	4026	7814	5920
5510	G4552	3632	8012	5822
5511	G4553	4020	8804	6412
5512	G4551	3762	8524	6143
5513	COMP81	4190	8877	6534

EXPT.7166

OFCC MEADOW FOXTAIL THUNDER BAY

CODE	VARIETY	1984 SEEDING		1986 YIELD	
		CUT 1	CUT 2	TOTAL	MEAN
5501	DAN	1331	2908	4239	2120
5502	82007	1547	1547	3094	1547
5503	82008	1595	2836	4431	2216
5504	G4549	1387	2781	4168	2084
5505	COMP82	1535	2872	4407	2204
5507	G4554	1401	2899	4300	2150
5508	G4550	1363	2675	4038	2019
5509	G4555	1198	2455	3653	1827
5510	G4552	1365	2812	4177	2089
5511	G4553	1199	2699	3898	1949
5512	G4551	1419	2755	4174	2087
5513	COMP81	1483	2616	4099	2050
MEAN		1402	2756		
C.V.%		11.5	7.6		

EXPT.7166

OFCC MEADOW FOXTAIL THUNDER BAY

1984 SEEDING

2 YEAR MEAN

CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5501	DAN	4239	7892	6065
5502	82007	3094	7499	5297
5503	82008	4431	7929	6180
5504	G4549	4168	7714	5941
5505	COMP82	4407	7479	5943
5507	G4554	4300	7574	5937
5508	G4550	4038	8230	6134
5509	G4555	3653	7562	5608
5510	G4552	4177	8125	6151
5511	G4553	3898	7709	5804
5512	G4551	4174	8685	6430
5513	COMP81	4099	7920	6010

OFCC MEADOW FOXTAIL NEW LISKEARD

1984 SEEDING 1986 YIELD

CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
5501	DAN	3714	1521	1358	6593	2198
5502	82007	3890	1542	1436	6869	2290
5503	82008	3515	1557	1373	6446	2149
5504	G4549	3423	1801	1347	6570	2190
5505	COMP82	3075	1786	1273	6134	2045
5507	G4554	3401	1733	1287	6421	2140
5508	G4550	3728	1477	1242	6447	2149
5509	G4555	3530	1344	1170	6043	2014
5510	G4552	3760	1612	1370	6742	2247
5511	G4553	3544	1488	1248	6280	2093
5512	G4551	3663	1405	1294	6362	2121
5513	COMP81	3375	1448	1261	6084	2028
MEAN		3552	1559	1305	6416	
C.V.%		13.5	16.5	13.5	9.1	
LSD(5%)		575.0	308.1	211.6	700.1	

EXPT.8304

OFCC MEADOW FOXTAIL NEW LISKEARD

1984 SEEDING		2 YEAR MEAN		
CODE	VARIETY	1986 TOTAL	1985 TOTAL	MEAN
5501	DAN	6593	5473	6033
5502	82007	6869	5432	6151
5503	82008	6446	5208	5827
5504	G4549	6570	5006	5788
5505	COMP82	6134	5346	5740
5507	G4554	6421	5351	5886
5508	G4550	6447	5105	5776
5509	G4555	6043	4784	5414
5510	G4552	6742	5171	5957
5511	G4553	6280	5003	5642
5512	G4551	6362	5511	5937
5513	COMP81	6084	5478	5781

EXPT 8504

OFCC MEADOW FOXTAIL GUELPH

1985 SEEDING

1986 YIELD

CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
5501	DAN	4929	3400	1811	10140	3380
5502	82007	5146	2937	1526	9609	3203
5503	82008	4786	3198	1296	9280	3093
5504	G4549	5399	3199	1653	10251	3417
5507	G4554	5914	3071	1712	10697	3566
5508	G4550	5315	2846	1847	10008	3336
5509	G4555	4874	3014	1738	9626	3209
5510	G4552	5199	2939	1675	9813	3271
5511	G4553	4928	3105	1785	9818	3273
5512	G4551	5244	2871	1725	9840	3280
MEAN		5173	3058	1677		
C.V.%		10.8	8.7	13.5		

EXPT.7175

OFCC MEADOW FOXTAIL THUNDER BAY

1985 SEEDING 1986 YIELD

CODE	VARIETY	CUT 1	CUT 2	TOTAL	MEAN
5501	DAN	2165	2396	4561	2281
5502	82007	2074	2164	4238	2119
5503	82008	2076	2334	4410	2205
5504	G4549	1824	2257	4081	2041
5507	G4554	1707	2295	4002	2001
5508	G4550	2064	1987	4051	2026
5509	G4555	1664	2101	3765	1883
5510	G4552	1547	2246	3793	1897
5511	G4553	1839	2124	3963	1982
5512	G4551	1525	2119	3644	1822
MEAN		1848	2202		
C.V.%		13.7	11.4		

OFCC MEADOW FOXTAIL NEW LISKEARD

		1985 SEEDING		1986 YIELD		
CODE	VARIETY	CUT 1	CUT 2	CUT 3	TOTAL	MEAN
5501	DAN	3823	795	1547	6165	2055
5502	82007	3501	789	1617	5908	1969
5503	82008	3863	832	1645	6339	2113
5504	G4549	3552	886	1699	6136	2045
5507	G4554	3855	698	1662	6215	2072
5508	G4550	3535	691	1549	5775	1925
5509	G4555	3118	952	1752	5822	1941
5510	G4552	3710	780	1791	6282	2094
5511	G4553	3474	912	1968	6354	2118
5512	G4551	3592	786	1452	5830	1943
MEAN		3602	812	1668	6083	
C.V.%		10.2	20.2	15.7	9.6	
LSD(5%)		443.5	197.9	316.0	701.9	