

ONTARIO FORAGE CROP INVESTIGATIONS



2001 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

- Huron Park
- Guelph
- Kemptville
- New Liskeard
- Thunder Bay
- Kapuskasing

2001 REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

Compiled by: Donna Hancock

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Conducted co-operatively by:

**University of Guelph
Ontario Ministry of Agriculture, Food and Rural Affairs
Agriculture and Agri-Food Canada.**

This is the 1998 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***Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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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Additional copies of this report is obtainable from the Secretary (Mr. Jim Johnston).

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ONTARIO
Huron Research St
Alfalfa Registration A
Expt. 15032
Seeded 1998

Code	Cultivar	2001 (kg/ha)			Tot00	Tot99	3yrTot
		Cut 1	Cut 2	Tot01			
1001	SARANAC	10158	2653	12823	20109	10716	43686
1074	ARROW	10208	2384	12877	20605	10102	43647
1298	5312	11023	3018	13979	21532	11478	47238
1459	CW5407	10151	2628	12778	20538	9354	42472
1460	9429	10286	3312	13592	20442	10880	44812
1463	ARREST	8949	2055	11142	19339	9271	39926
1474	GENEVA	10888	4461	15339	22420	10845	48520
1475	NS98-3	10426	2557	12835	22269	9631	44187
1478	CW5435	10996	2985	13774	20250	10369	44590
1479	CW6304	11542	2753	14319	20594	10640	45664
1480	FQ314	11376	2678	14062	20906	11327	46164
1481	FQ315	11409	2670	14047	21628	9743	45424
1482	CW5440	11347	3212	14627	19937	10628	45176
1487	ABT_227LH	8769	2135	10859	19825	9543	40416
1489	WL232HQ	10845	2512	13313	20587	9952	43591
1490	BARALFA	10368	2548	12800	19427	11344	42857
1491	A9421	10962	2604	13597	20730	10678	45084
1492	QS-75	10873	2303	13270	20687	9832	44017
1493	TMF_421	10863	2637	13560	20729	11165	45828
9053	CENTURION	10709	2614	13272	20833	10161	44614
900	Mean	10607	2736	13343	20669	10383	44396
901	CV	10.4	25.0	12.0	6.4	9.9	7.7
905	MCV	12.3	29.8	14.3	7.6	11.8	9.2
902	LSD	1309.2	815.7	1911.3	1565.1	1220.3	4089.4
906	LSR	47.2	33.9	42.7	50.8	55.3	47.6
907	Pr>F(Trts)	0.0506	0.0181	0.0759	0.1196	0.0517	0.1929
908	R_square	49.4	66.8	57.4	48.8	72.1	52.5

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 Alfalfa Reg B 98
 Expt. 7283
 Seeded 1998

Code	Cultivar	2001 (kg/ha)			Tot00	Tot99	3yrTot
		Cut 1	Cut 2	Tot01			
1001	SARANAC	4560	1912	6476	8278	9688	24415
1074	ARROW	4148	1258	5322	7424	10093	23097
1298	5312	5485	1846	7311	8443	9400	25259
1444	SAFEGUARD	4798	1305	6000	6569	9563	21905
1446	AVENGER	4281	2004	6265	7237	9408	23664
1448	PICKSD8925MF	5233	1866	7108	7877	9849	24829
1450	W110	5443	2324	7536	7609	9369	24840
1452	A9304	5030	1455	6537	7496	10067	23857
1454	ZG9643C	5045	1792	6771	7443	9953	24271
1456	ZN9543C	5489	1670	7327	7487	9630	24464
1458	DK143	5669	2609	8344	8714	9509	26695
1461	5347LH	3749	1486	5342	6946	10074	22224
1465	MULTIPLIER_I	4904	1418	6335	7263	9580	23078
1468	DK140	4763	2265	6861	7667	9817	24320
1470	TRAILBLAZER	3607	1525	5245	6538	10310	21639
1471	ENHANCER	5531	2548	8000	8398	10135	26369
1472	BPR_374	4338	1920	6238	7853	9667	24025
1476	A9423	5015	1804	6833	6910	9846	23719
1483	ABI_9142	4838	1918	6951	7033	10357	24129
1486	AC_BRADOR	4934	1946	6936	8184	10516	25446
1495	GH757	4915	1646	6510	7608	10109	24152
1496	Y53H63	4179	1237	5438	7078	9246	21460
9041	ONEIDA_VR	5687	2077	7918	7650	9798	25295
9053	CENTURION	4284	1830	5980	7145	9883	23150
900	Mean	4830	1819	6649	7535	9828	24012
901	CV	16.6	20.9	13.9	9.1	4.9	5.7
905	MCV	19.6	24.7	16.4	10.8	5.8	6.8
902	LSD	945.2	449.4	1090.4	812.8	570.9	1627.2
906	LSR	45.4	32.7	35.2	37.4	45.0	31.1
907	Pr>F(Trts)	0.0079	0.0000	0.0001	0.0006	0.0426	0.0000
908	R_square	55.1	57.9	58.6	62.1	51.2	63.8

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
Huron Research St
Alfalfa Registration C
Expt. 15034
Seeded 1998

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	8639	1893	10441	20417	31461
1073	SURPASS	9611	1482	11110	19955	31554
1074	ARROW	7977	1120	9122	18612	27497
1096	HORIZON	9463	1446	10817	19674	31102
1103	STARMASER	7246	1408	8704	20699	29039
1112	APOLLO_SUPRE	9702	1648	11392	19342	31119
1445	TRUENORTH	10122	1757	11867	19994	32272
1447	MILLENNIUM	9504	1740	11147	19954	31461
1449	SPUR	9519	1736	11213	19321	30917
1451	A9118	9280	1542	11003	20308	31475
1453	ZB9546	9206	1227	10373	18397	28952
1455	ZG9644C	9309	877	10216	19119	29241
1457	AC_VIVA	8876	1379	10311	19945	29424
1462	NS3317	10063	2177	12194	18555	30456
1464	TMF_GENERATI	8267	1248	9406	19469	28817
1469	DK121HG	7380	788	8141	18329	26371
1473	DS9672	9999	2015	11972	17881	29636
1477	A9503	9571	1536	11139	19370	30142
1484	EMPEROR	10167	1713	11904	19303	30800
1485	YIELDER	8504	1233	9754	18293	27475
1488	C231	9889	1755	11699	19554	31357
1494	53Q60	10106	1296	11517	19150	29928
1298	5312	10090	1801	11770	21215	33807
9006	OAC_MINTO	6605	677	7291	17841	25174
9053	CENTURION	9408	1788	11279	20716	31717
900	Mean	9140	1491	10631	19416	30048
901	CV	10.4	32.6	11.7	6.8	7.6
905	MCV	12.3	38.6	13.9	8.1	9.0
902	LSD	1124.0	574.9	1475.4	1570.1	2712.8
906	LSR	31.6	38.3	30.1	46.5	31.4
907	Pr>F(Trts)	0.0000	0.0036	0.0000	0.0371	0.0005
908	R_square	71.1	61.4	70.3	70.8	67.6

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
 KAPUSKASING 2001
 EXP: 6339
 1999 OFCC ALFALFA REGISTRATION "A"

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
DK124	1497	3405	2878	6283
HORIZON	1096	3605	2526	6131
SARANAC	1001	3374	2206	5580
QS-3	1526	3235	2337	5572
DS9833	1523	3269	2350	5619
DS101	1521	3175	2606	5781
APOLLO_SUPR	1112	2927	2327	5254
DK140	1468	3263	2328	5591
DS9579	1525	2989	2127	5116
SL9902	1508	2905	2008	4913
POWER_PLANT	1518	3344	2315	5659
A9624	1503	2826	2221	5047
CW63002	1499	2712	2135	4847
ABI_9142	1483	3043	1777	4820
PICKSD8920MF	1163	2970	1797	4767
A9401	1501	2787	1630	4417
CENTURION	9053	2908	1883	4791
C304	1512	2488	2305	4793
ARROW	1074	2813	1589	4402
A9501	1516	2629	1582	4211
MEAN		3033	2146	5179
C.V.		14.2	15.1	13.8
F		ns	**	*
L.S.D.		716	536	1180

ONTARIO
 Kemptville
 Alf Reg A 99
 Expt. 3142
 Seeded 1999

Code	Cultivar	2001 (kg/ha)			Tot01	Tot00	2yrTot
		Cut 1	Cut 2	Cut 3			
1001	SARANAC	6104	4108	1698	12025	13678	25734
1074	ARROW	6146	3754	1333	11171	12959	24167
1096	HORIZON	5485	3979	1484	10870	13516	24408
1112	APOLLO_SUPRE	5772	3923	1470	11133	12735	23892
1163	PICKSD8920MF	6174	4248	1615	11943	13472	25369
1468	DK140	6128	3871	1710	11583	14112	25710
1483	ABI_9142	5492	3757	1668	10844	12891	23749
1497	DK124	5270	4332	1924	11435	13232	24671
1499	CW63002	6353	4341	1945	12471	14016	26509
1501	A9401	6012	4042	1539	11542	13974	25550
1503	A9624	5515	4523	1839	11936	13110	25019
1508	DS9920	5801	4228	1735	11870	13199	25012
1512	C304	5759	3859	1947	11643	13651	25196
1516	A9501	5607	3993	1808	11468	13404	24798
1518	POWER_PLANT	5800	3954	1533	11277	12914	24192
1521	DS101	5369	4198	1871	11509	14047	25631
1523	DS9833	5682	3756	1372	10784	13588	24350
1525	FORECAST_100	5560	4323	1963	11982	13576	25585
1526	QS_3	5956	4247	2040	12356	14501	26889
9053	CENTURION	6192	3947	1533	11746	13335	25067
900	Mean	5809	4069	1701	11579	13495	25075
901	CV	8.0	7.0	14.9	5.8	4.4	3.7
905	MCV	11.0	9.7	20.7	8.0	6.1	5.1
902	LSD	641.6	396.0	351.4	928.7	826.2	1288.3
906	LSR	59.2	51.5	49.7	55.1	46.8	41.0
907	Pr>F(Trts)	0.2592	0.0848	0.0362	0.2275	0.1015	0.0145
908	R_square	47.7	65.1	52.8	50.6	60.9	66.4

RCBD arrangement, 3 blocks {123}
 Nearest-neighbour covariance adjusted.

ONTARIO
 KAPUSKASING 2001
 EXP: 6340
 1999 OFCC ALFALFA REGISTRATION "B"

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
4G71	1527	4119	2871	6990
PAR_4338	1509	3948	2212	6160
OAC_MINTO	9006	4013	2288	6301
SURPASS	1073	3663	2525	6188
DS9507	1524	3500	2215	5715
A9513	1517	3756	2858	6614
STARMASER	1103	3779	2781	6560
C230	1513	3278	2288	5566
SL9903	1505	3918	2469	6387
ONEIDA_VR	9041	3500	2764	6264
A9521	1502	3265	2471	5736
CENTURION	9053	2926	2268	5194
C227	1511	3451	2525	5976
CW64008	1500	3167	2437	5604
SARANAC	1001	3194	2343	5537
FG4G65	1504	3033	2457	5490
DS9565	1522	3072	2361	5433
ZG9639	1519	3177	1850	5027
DK121HG	1469	2779	1923	4702
ARROW	1074	2605	1776	4381
MEAN		3407	2384	5791
C.V. %		14.1	15.2	13.8
F		*	*	*
L.S.D. 5%		792	598	1318

ONTARIO
 Thunder Bay
 Alfalfa C 1999
 Expt. 7294
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	5411	2840	8196	5948	14101
1074	ARROW	4848	2485	7150	5514	12863
1471	ENHANCER	5368	2894	8317	6155	14682
1472	BPR_374	5586	2688	8469	5820	14033
1473	DS9672	4761	3017	7816	6274	14137
1481	FQ315	5227	3377	8582	5923	14553
1484	EMPEROR	4771	2833	7606	5706	13454
1485	YIELDER	4961	2718	7612	6033	13774
1486	AC_BRADOR	5230	2880	8019	4874	13008
1488	C231	4935	2779	7793	4021	11778
1494	53Q60	5113	2685	7912	5470	13419
1495	GH757	5008	3277	8508	5307	13435
1496	Y53H63	4709	2172	6900	5519	12392
1498	DK134	5361	3480	8827	5809	14468
1506	SL9900	5021	3138	8054	6093	14220
1507	DS9801	5163	2564	7646	6001	13699
1514	C232	5005	2698	7656	5520	13123
1520	ZC9544	5185	2713	7699	5799	13517
9053	CENTURION	5254	2492	7888	5269	13048
900	Mean	5101	2828	7929	5634	13563
901	CV	7.9	20.2	10.1	8.7	7.9
905	MCV	9.4	24.1	12.0	10.4	9.4
902	LSD	477.3	680.9	950.9	586.0	1280.5
906	LSR	54.4	52.0	49.3	26.0	44.1
907	Pr>F(Trts)	0.1966	0.2640	0.1898	0.0000	0.0317
908	R_square	44.8	50.2	39.9	68.0	47.6

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Kemptville
 Alf Reg C 99
 Expt. 3144
 Seeded 1999

Code	Cultivar	2001 (kg/ha)			Tot01	Tot00	2yrTot
		Cut 1	Cut 2	Cut 3			
1001	SARANAC	4549	3569	1365	9492	14351	23706
1074	ARROW	4659	3373	1176	9055	14116	23234
1471	ENHANCER	4942	3540	1437	9767	14614	24494
1472	BPR_374	5075	3874	1555	10535	13107	23456
1473	DS9672	4355	3924	1646	9897	14014	24259
1481	FQ315	5356	3795	1577	10660	14634	25346
1484	EMPEROR	4706	3742	1433	9908	13743	23734
1485	YIELDER	4673	3372	1234	9157	12808	21835
1486	AC_BRADOR	5284	3948	1519	10690	13891	24434
1488	C231	4776	3478	1182	9594	14846	24336
1494	53Q60	4928	3593	1378	9932	13882	23747
1495	GH757	5362	3465	1346	10024	13793	23856
1496	Y53H63	4653	3033	886	8731	13812	22476
1498	DK134	4647	3997	1415	10133	14409	24500
1506	DS9412	5124	3787	1400	10304	15451	26025
1507	DS9801	5265	3631	1387	10393	14652	24945
1514	C232	5164	4028	1444	10605	14425	25067
1520	ZC9544	4661	3932	1432	10062	13838	23974
9053	CENTURION	4808	3561	1283	9781	14821	24502
900	Mean	4894	3665	1373	9933	14169	24101
901	CV	10.9	12.4	15.1	9.6	8.5	6.8
905	MCV	13.0	14.8	18.0	11.5	10.1	8.1
902	LSD	638.0	541.6	247.2	1138.8	1433.7	1959.3
906	LSR	63.4	54.5	32.5	58.1	54.3	46.8
907	Pr>F(Trts)	0.3728	0.2194	0.0050	0.2116	0.4022	0.1893
908	R_square	56.6	66.7	77.5	65.0	36.8	53.6

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 Alfalfa D 1999
 Expt. 7295
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	5255	2637	7929	6446	14359
1074	ARROW	5056	2365	7363	5931	13383
1470	TRAILBLAZER	4752	2272	7067	6368	13343
1474	GENEVA	5401	2764	8230	5659	13967
1475	NS98-3	5050	2930	8088	5848	13896
1476	A9423	5127	2814	7976	5471	13352
1477	A9503	4730	2671	7447	5470	13115
1478	CW5435	5365	3431	8866	6396	15325
1479	CW6304	5487	2992	8485	6144	14531
1480	FQ314	5434	2894	8369	6065	14346
1482	CW5440	4373	2735	7129	6167	13422
1487	ABT_227LH	5534	2765	8312	6136	14508
1489	WL232HQ	5723	2735	8416	5810	14081
1490	BARALFA	4841	3221	8111	5764	13938
1491	A9421	4747	2758	7431	5123	12575
1492	QS-75	4861	2436	7396	5258	12524
1493	TMF_421	5787	2510	8049	5854	13772
1515	PLATINUM	5190	2520	7684	5224	12966
1528	NSCL_27	4713	3122	7798	5347	13222
9053	CENTURION	5508	2737	8096	5834	13932
900	Mean	5147	2765	7912	5816	13728
901	CV	11.8	19.9	11.2	7.1	7.2
905	MCV	14.1	23.8	13.3	8.5	8.6
902	LSD	725.2	656.9	1052.7	491.7	1178.9
906	LSR	51.3	56.7	58.5	37.2	42.1
907	Pr>F(Trts)	0.1083	0.4248	0.3073	0.0001	0.0251
908	R_square	57.1	31.3	53.6	61.2	62.1

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Kemptville
 Alf Reg D 99
 Expt. 3145
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	4179	3771	7939	14050	21924
1074	ARROW	4173	2995	7105	12255	19354
1470	TRAILBLAZER	4359	2563	6923	13274	20033
1474	GENEVA	4677	4211	8937	14315	23456
1475	NS98-3	4139	4000	8190	14207	22530
1476	A9423	4653	3308	8012	13679	21888
1477	A9503	4590	3156	7762	13011	20662
1478	CW5435	4153	3515	7759	13779	21530
1479	CW6304	4216	3556	7838	13498	21313
1480	FQ314	4403	3421	7737	14471	22167
1482	CW5440	4329	4020	8396	14169	22585
1487	ABT_227LH	4207	2945	7040	13748	20956
1489	WL232HQ	4256	3607	7779	13474	21268
1490	BARALFA	5195	3658	8876	13932	22840
1491	A9421	4488	3473	8011	13864	21814
1492	QS-75	4869	3380	8308	13090	21277
1493	TMF_421	4600	3562	8161	13525	21622
1515	PLATINUM	5085	3601	8640	13256	21847
1528	NSCL_27	4366	3529	7886	13117	21138
9053	CENTURION	4275	3557	7740	14256	21807
900	Mean	4461	3491	7952	13649	21601
901	CV	10.2	8.8	7.5	6.4	5.1
905	MCV	12.2	10.4	8.9	7.7	6.0
902	LSD	543.3	364.7	710.0	1046.9	1301.3
906	LSR	51.5	22.1	35.3	47.2	31.7
907	Pr>F(Trts)	0.0433	0.0000	0.0004	0.1136	0.0014
908	R_square	48.9	83.4	73.3	38.5	65.1

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted

ONTARIO
 Elora
 Alfalfa Reg Trial E
 Expt. 2765
 Seeded 1999

Code	Cultivar	2001 (kg/ha)			Tot01	Tot00	2yrTot
		Cut 1	Cut 2	Cut 3			
1001	SARANAC	5074	3643	1355	9952	11315	21239
1073	SURPASS	4735	3449	1404	9595	11212	20728
1074	ARROW	4660	3355	1313	9277	10446	19734
1352	WL_282	5375	3870	1704	10939	11323	22310
1469	DK121HG	3940	2859	1140	7959	10325	18252
1498	DK134	5983	4111	1883	12038	11089	23162
1499	CW63002	5345	4124	1764	11121	11242	22389
1501	A9401	4898	3351	1456	9813	10963	20938
1502	A9521	5460	3896	1887	11305	11663	22952
1505	SL9903	4723	3219	1483	9599	11319	20988
1507	DS9801	5702	3798	1653	11296	11234	22570
1508	DS9920	5484	4095	1797	11480	11220	22861
1511	C227	4864	3637	1555	10105	10843	21035
1513	GH750	4810	3749	1751	10345	11117	21441
1515	PLATINUM	4764	3679	1473	9916	11366	21132
1518	POWER_PLANT	4810	3628	1546	9966	10475	20454
1522	FORECAST_300	5335	3780	1731	10707	11065	21691
1525	FORECAST_100	5398	4020	1898	11231	11154	22411
1527	4G71	5743	4123	1715	11468	11587	23186
1528	NSCL_27	5607	3813	1653	11023	11877	22771
9006	OAC_MINTO	4160	2860	1079	8101	10087	18020
9041	ONEIDA_VR	5176	3765	1524	10426	10656	20896
9053	CENTURION	4936	3272	1277	9456	12015	21552
900	Mean	5086	3656	1567	10310	11113	21422
901	CV	8.4	5.4	11.0	6.1	4.8	4.5
905	MCV	10.0	6.4	13.1	7.2	5.7	5.3
902	LSD	507.7	233.8	204.6	742.6	632.2	1126.6
906	LSR	24.8	18.5	25.0	18.2	32.8	21.8
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
908	R_square	77.0	86.3	82.8	82.6	71.8	81.5

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Alfalfa Reg E 99
 Expt. 9903
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
1001	SARANAC	7599	4618	12243	13152	25432
1073	SURPASS	7193	4205	11294	13875	25179
1074	ARROW	7223	4373	11791	14368	26106
1352	WL_282	7709	5132	12889	13485	26193
1469	DK121HG	7382	4179	11615	13627	25512
1498	DK134	7475	3617	11058	12067	23168
1499	CW63002	7745	4131	11861	13357	25285
1501	A9401	7463	4125	11558	13585	25102
1502	A9521	7745	4171	11906	13878	25694
1505	SL9903	6324	3339	9709	14423	24020
1507	DS9801	7686	4631	12363	13325	25671
1508	DS9920	6966	4795	11504	13233	24957
1511	C227	7279	4602	12094	13521	25625
1513	GH750	6960	4483	11431	13696	25008
1515	PLATINUM	7467	4448	11688	14164	25904
1518	POWER_PLANT	7467	4497	11907	13814	25416
1522	FORECAST_300	7244	5239	12557	13256	25697
1525	FORECAST_100	7189	4362	11467	13359	24933
1527	4G71	7624	4858	12398	13244	25888
1528	NSCL_27	7392	5345	12927	13361	26284
9006	OAC_MINTO	7099	4336	11485	13481	24952
9041	ONEIDA_VR	7201	5118	12326	13208	25433
9053	CENTURION	7725	4232	11922	13759	25773
900	Mean	7355	4471	11826	13532	25358
901	CV	10.4	13.9	7.3	5.3	4.4
905	MCV	12.3	16.5	8.6	6.3	5.3
902	LSD	906.1	737.0	1018.1	847.4	1332.4
906	LSR	63.8	36.7	31.6	36.0	42.8
907	Pr>F(Trts)	0.7797	0.0041	0.0030	0.0419	0.1217
908	R_square	32.2	72.7	68.1	65.9	74.8

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Alfalfa Reg G 99
 Expt. 9905
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot00	2yrTot
		Cut 1	Tot01		
1001	SARANAC	7069	7069	10572	17641
1074	ARROW	7122	7122	10831	18024
1232	GUARDSMAN	6083	6083	10753	16826
1244	GH777	6681	6681	10844	17579
1296	PROLEAF	6631	6631	11564	18145
1392	AMERIGRAZE40	6504	6504	10890	17390
1409	ZG9346	6967	6967	11134	18048
1434	53V08	7053	7053	9963	16862
1445	TRUENORTH	6331	6331	10985	17256
1446	AVENGER	7118	7118	11026	18170
1447	MILLENNIUM	6098	6098	10804	17020
1448	PICKSD8925MF	6184	6184	10780	16993
1461	5347LH	6364	6364	10927	17199
1471	ENHANCER	7619	7619	10944	18505
1472	BPR_374	6429	6429	9999	16421
1473	DS9672	6183	6183	10182	16386
1484	EMPEROR	6390	6390	11545	18036
1485	YIELDER	5736	5736	9566	15464
1488	C231	7177	7177	10541	17649
1494	53Q60	6478	6478	10148	16723
1495	GH757	5988	5988	10679	16602
1496	Y53H63	6830	6830	11137	17834
9053	CENTURION	7067	7067	10957	18101
900	Mean	6613	6613	10729	17342
901	CV	12.1	12.1	8.7	6.5
905	MCV	14.3	14.3	10.3	7.7
902	LSD	945.5	945.5	1107.0	1334.7
906	LSR	50.2	50.2	55.4	43.9
907	Pr>F(Trts)	0.1566	0.1566	0.4221	0.0472
908	R_square	52.7	52.7	36.3	58.4

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Elora
 Alfalfa Reg Trial H
 Expt. 2768
 Seeded 1999

Code	Cultivar	2001 (kg/ha)			Tot01	Tot00	2yrTot
		Cut 1	Cut 2	Cut 3			
1001	SARANAC	4537	3013	1804	9308	11481	20743
1074	ARROW	4460	3136	1968	9558	11724	21366
1163	PICKSD8920MF	4981	3420	2040	10497	12467	22914
1470	TRAILBLAZER	3618	2706	1738	8131	10966	18972
1474	GENEVA	5238	3948	2764	11928	12581	24585
1475	NS98-3	5643	3729	2474	11769	12375	24096
1476	A9423	4855	3316	2167	10424	12328	22877
1477	A9503	4412	3135	2003	9487	12126	21723
1478	CW5435	5137	3565	2426	11044	11774	22648
1479	CW6304	5377	3685	2519	11514	12355	23842
1480	FQ314	4744	3476	2249	10460	11323	21887
1481	FQ315	5437	3627	2535	11585	12274	23753
1482	CW5440	5234	3621	2348	11213	12186	23296
1483	ABI_9142	4587	3221	2268	10042	11929	22086
1486	AC_BRADOR	5603	3605	2105	11314	12220	23489
1487	ABT_227LH	4613	3242	2022	9939	11693	21720
1489	WL232HQ	4490	3535	2207	10223	11178	21363
1490	BARALFA	4746	3474	2285	10500	11494	21961
1491	A9421	4848	3321	2246	10477	12113	22597
1492	QS-75	4549	3117	1785	9430	11490	20977
1493	TMF_421	4586	3209	1707	9564	11696	21314
9053	CENTURION	4552	3155	1939	9696	12466	22132
900	Mean	4829	3375	2164	10368	11920	22288
901	CV	8.4	5.4	8.6	6.3	4.8	4.8
905	MCV	9.9	6.4	10.2	7.5	5.6	5.7
902	LSD	480.2	216.3	220.0	776.0	671.2	1275.8
906	LSR	23.7	17.4	20.8	20.4	41.6	22.7
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
908	R_square	76.7	86.0	83.1	80.6	78.1	79.6

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Elora
 Alfalfa Reg A 2000
 Expt. 2793
 Seeded 2000

Code	Cultivar	2001 (kg/ha)			Tot01
		Cut 1	Cut 2	Cut 3	
1001	SARANAC	5056	3584	2030	10638
1074	ARROW	5348	3558	2031	10964
1298	5312	5703	3834	2228	11720
1325	MAGNUM_IV	5305	3810	2583	11711
1529	3G56	5772	4174	3038	13052
1530	3R58	5796	4312	3133	13212
1531	INTRIGUE	6233	4073	2815	13112
1533	TRAILBLAZER3	5866	3496	2372	11749
1534	A9502	5684	3811	2481	11989
1535	RELIANCE	5673	4222	2842	12740
1536	X787	6096	4177	2929	13227
1537	X688	5975	4234	2930	13176
1538	DS025	5577	3822	2286	11639
1539	DS026	5437	3970	2636	11999
1540	5301ML	5633	3521	1971	11192
1541	TMF_MULT_III	5880	4259	2832	12962
1542	DS9810	5436	3828	2575	11798
1543	ONEIDA_ULTRA	5611	3739	2173	11496
1544	CW73038	6328	3955	2481	12791
9053	CENTURION	5412	3761	2154	11314
900	Mean	5691	3907	2526	12124
901	CV	8.0	6.2	11.8	6.5
905	MCV	9.5	7.4	14.1	7.7
902	LSD	543.3	289.8	355.4	936.7
906	LSR	42.7	35.5	30.6	36.2
907	Pr>F(Trts)	0.0330	0.0000	0.0000	0.0000
908	R_square	64.4	71.7	69.6	69.0

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 Alfalfa Reg A
 Expt. 7302
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
1001	SARANAC	6111	3145	9260
1074	ARROW	6139	3691	9781
1298	5312	5738	3754	9503
1325	MAGNUM_IV	6097	3538	9634
1529	3G56	6165	3453	9566
1530	3R58	6089	2995	9158
1531	3G61	5786	2832	8755
1533	TRAILBLAZER3	5610	3669	9226
1534	A9502	5570	3478	9025
1535	RELIANCE	5523	3533	9012
1536	X787	5595	3025	8504
1537	X688	6148	3530	9715
1538	DS025	5709	3739	9407
1539	DS026	6021	3528	9460
1540	5301ML	6109	3184	9476
1541	TMF_MULT_III	5927	3007	8921
1542	DS9810	6423	3115	9537
1543	ONEIDA_ULTRA	6284	2932	9317
1544	CW73038	6101	3368	9499
9053	CENTURION	5945	3389	9235
900	Mean	5954	3345	9300
901	CV	7.2	19.9	9.5
905	MCV	8.5	23.7	11.3
902	LSD	507.1	793.2	1051.1
906	LSR	56.4	86.1	82.3
907	Pr>F(Trts)	0.1306	0.7536	0.9349
908	R_square	52.2	35.3	28.6

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Alfalfa Reg A 2000
 Expt. 200006
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
1001	SARANAC	7209	5779	12670
1074	ARROW	7436	6704	13828
1298	5312	7482	6622	14174
1325	MAGNUM_IV	6552	7560	13567
1529	3G56	6390	6547	12863
1530	3R58	6631	7306	13993
1531	INTRIGUE	6831	6390	13699
1533	TRAILBLAZER3	7674	7392	14908
1534	A9502	7027	7005	14370
1535	RELIANCE	6314	6397	12984
1536	X787	7327	6826	13883
1537	X688	6053	7224	13415
1538	DS025	7168	7475	14748
1539	DS026	7391	6644	13668
1540	5301ML	6503	5927	12768
1541	TMF_MULT_III	6768	6402	13131
1542	DS9810	7207	6505	13699
1543	ONEIDA_ULTRA	7882	5991	13946
1544	CW73038	6755	6444	13451
9053	CENTURION	7690	7033	14698
900	Mean	7015	6709	13723
901	CV	10.1	14.8	9.6
905	MCV	12.0	17.6	11.4
902	LSD	843.3	1183.6	1563.8
906	LSR	46.1	66.5	69.9
907	Pr>F(Trts)	0.0307	0.4358	0.5028
908	R_square	46.8	57.6	35.3

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
Huron Park
Alfalfa Registration A
Expt. 15044
Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
1001	SARANAC	12188	3006	14982
1074	ARROW	12277	3304	14964
1298	5312	13859	3466	17303
1325	MAGNUM_IV	12446	3130	15331
1529	3G56	12267	3413	15490
1530	3R58	12077	2894	15419
1531	INTRIGUE	12554	3226	15817
1533	TRAILBLAZER3	12621	3439	15767
1534	A9502	14063	4055	17904
1535	RELIANCE	10569	2939	13445
1536	X787	13253	3110	15894
1537	X688	12573	2939	16315
1538	DS025	12500	3228	16144
1539	DS026	13485	3096	16209
1540	5301ML	13100	2695	15881
1541	TMF_MULT_III	13994	3469	18038
1542	DS9810	11990	3530	16223
1543	ONEIDA_ULTRA	12730	3345	16536
1544	CW73038	13377	2477	15696
9053	CENTURION	13142	3890	16360
900	Mean	12753	3233	15986
901	CV	13.5	17.2	11.7
905	MCV	16.0	20.5	13.9
902	LSD	2042.9	662.8	2222.1
906	LSR	58.5	42.0	48.4
907	Pr>F(Trts)	0.5972	0.0548	0.3072
908	R_square	57.2	87.2	73.7

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
 Elora
 Registration Trial B
 Expt. 2780
 Seeded 2000

Code	Cultivar	2001 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot01
1001	SARANAC	6297	3698	2260	12423
1074	ARROW	6897	3751	2559	13456
1163	PICKSD8920MF	7346	3823	2417	13644
1497	DK124	6831	4037	2874	13553
1499	CW63002	7027	4128	2760	14122
1502	A9521	7249	4188	2806	14346
1504	PICKSD2065MF	6981	4101	2807	13880
1506	DS9412	7043	4070	2762	13924
1508	DS9920	6852	3875	2640	13234
1512	C304	6724	4011	2676	13319
1514	C232	7612	3860	2377	13736
1517	A9513	7837	3818	2530	14045
1519	ZG9639	6940	3895	2545	13582
1521	DS101	7233	4062	2687	13859
1523	DS9833	6795	3771	2570	13156
1526	QS-3	6840	4012	2877	13704
1528	NSCL_27	7547	4040	2630	14380
9053	CENTURION	7575	3751	2275	13206
900	Mean	7090	3938	2614	13643
901	CV	6.8	4.2	6.5	4.3
905	MCV	8.1	5.0	7.7	5.1
902	LSD	574.0	198.7	201.1	691.5
906	LSR	37.3	40.6	32.6	35.3
907	Pr>F(Trts)	0.0094	0.0008	0.0000	0.0039
908	R_square	68.0	73.3	86.4	78.7

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 Alfalfa Reg B
 Expt. 7303
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
1001	SARANAC	7062	3709	10800
1074	ARROW	6547	4107	10647
1163	PICKSD8920MF	6545	3379	10147
1497	DK124	6342	3822	10228
1499	CW63002	6554	3938	10575
1502	A9521	6824	3914	10554
1504	PICKSD2065MF	6336	3859	10038
1506	SL9900	6518	4247	10673
1508	SL9902	6048	3944	9914
1512	C304	6844	3868	10749
1514	C232	6713	4204	11020
1517	A9513	6753	3756	10537
1519	ZG9639	6834	3232	10138
1521	DS101	6692	4069	10693
1523	DS9833	6993	3628	10513
1526	QS-3	6738	4081	10712
1528	NSCL_27	7265	3817	11327
9053	CENTURION	6445	3487	9852
900	Mean	6670	3837	10506
901	CV	8.6	19.7	10.1
905	MCV	10.3	23.4	12.1
902	LSD	686.9	898.4	1268.2
906	LSR	56.4	88.5	86.0
907	Pr>F(Trts)	0.4755	0.9376	0.9260
908	R_square	41.4	38.7	23.9

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Alfalfa Reg B 2000
 Expt. 200007
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
1001	SARANAC	6631	4591	11256
1074	ARROW	6652	4791	11473
1163	PICKSD8920MF	6484	3484	9842
1497	DK124	5771	3936	9864
1499	CW63002	6570	4608	11143
1502	A9521	6500	3845	10342
1504	PICKSD2065MF	6720	4343	11110
1506	DS9412	6624	4694	11304
1508	DS9920	6154	4758	11121
1512	C304	6374	4811	11057
1514	C232	7042	4901	11956
1517	A9513	6806	4559	11344
1519	ZG9639	6276	4473	10578
1521	DS101	6560	5784	12365
1523	DS9833	6972	4179	11260
1526	QS-3	6587	3530	10181
1528	NSCL_27	6303	4285	10592
9053	CENTURION	6974	4302	11084
900	Mean	6556	4437	10993
901	CV	10.8	22.8	11.5
905	MCV	12.9	27.2	13.7
902	LSD	843.8	1207.3	1505.6
906	LSR	66.4	52.5	59.7
907	Pr>F(Trts)	0.7142	0.3564	0.3802
908	R_square	46.4	44.5	43.1

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
Huron Park
Alfalfa Registration B
Expt. 15055
Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
1001	SARANAC	14475	3143	17512
1074	ARROW	14814	3147	18074
1163	PICKSD8920MF	13676	3209	16973
1497	DK124	14306	3331	17709
1499	CW63002	14733	3454	18156
1502	A9521	14968	3201	17987
1504	PICKSD2065MF	13828	2648	16662
1506	DS9412	14008	3200	17104
1508	DS9920	14386	2861	17276
1512	C304	13319	3128	16592
1514	C232	14857	3458	18144
1517	A9513	13876	2939	16721
1519	ZG9639	13033	3463	16405
1521	DS101	13571	2814	16397
1523	DS9833	14880	3048	17954
1526	QS-3	14253	3051	17499
1528	NSCL_27	13826	3158	17125
9053	CENTURION	13715	3322	16811
900	Mean	14140	3143	17283
901	CV	8.3	18.4	7.8
905	MCV	9.9	21.9	9.3
902	LSD	1402.3	689.6	1599.7
906	LSR	72.5	84.7	91.0
907	Pr>F(Trts)	0.5477	0.8870	0.6551
908	R_square	49.6	75.9	69.4

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
Pakenham
Alf Reg B
Expt. 3160
Seeded 2000

Code	Cultivar	2001 (kg/ha)		Cut 3	Tot01
		Cut 1	Cut 2		
1001	SARANAC	4600	3418	900	8953
1074	ARROW	4465	3274	1063	8663
1163	PICKSD8920MF	4508	3641	1022	9216
1497	DK124	4187	3669	1135	8979
1499	CW63002	3953	3487	1045	8747
1502	A9521	4675	3560	1027	9356
1504	PICKSD2065MF	4420	3563	1216	9227
1506	DS9412	4480	3216	946	8439
1508	DS9920	4369	3348	934	8731
1512	C304	5025	3699	1206	9829
1514	C232	5031	3748	1058	9751
1517	A9513	4000	3549	1056	8691
1519	ZG9639	4387	3284	865	8572
1521	DS101	4438	3776	1136	9409
1523	DS9833	4275	3415	1117	8515
1526	QS-3	4584	3745	1234	9515
1528	NSCL_27	4272	3494	1071	8880
9053	CENTURION	4502	3147	825	8588
900	Mean	4454	3502	1047	9003
901	CV	11.9	7.8	13.0	8.6
905	MCV	14.2	9.3	15.5	10.3
902	LSD	632.8	327.2	162.7	923.0
906	LSR	58.7	52.0	39.8	66.4
907	Pr>F(Trts)	0.3736	0.0338	0.0018	0.2702
908	R_square	40.1	61.1	90.4	41.7

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
 Elora
 Alfalfa Reg Trial C
 Expt. 2781
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Cut 3	Tot01
		Cut 1	Cut 2		
1001	SARANAC	6012	3381	2064	11463
1074	ARROW	6796	3797	2510	13128
1498	DK134	7289	4107	2791	14208
1500	CW64008	7274	3951	2784	14029
1501	A9401	7118	3776	2525	13404
1503	A9624	6800	4221	3116	14126
1505	SL9903	7024	3629	2540	13112
1507	DS9801	5901	4033	2720	12584
1509	PAR_4338	6601	3947	2547	12952
1511	C227	6501	3659	2570	12697
1513	GH750	6795	3856	2548	13130
1515	PLATINUM	6409	3680	2382	12469
1516	A9501	7193	3852	2624	13672
1518	POWER_PLANT	6749	3831	2619	13249
1520	ZC9544	7081	3851	2656	13634
1522	FORECAST_300	6362	3924	2683	13024
1524	DS9705	6729	4157	2800	13773
1525	FORECAST_100	6703	3942	2727	13439
1527	4G71	6769	4000	2897	13716
9053	CENTURION	7286	3824	2458	13562
900	Mean	6770	3871	2628	13269
901	CV	7.2	4.7	5.4	4.6
905	MCV	8.6	5.5	6.5	5.5
902	LSD	582.0	214.5	170.1	725.0
906	LSR	41.9	25.5	16.2	26.4
907	Pr>F(Trts)	0.0045	0.0000	0.0000	0.0000
908	R_square	71.0	67.8	83.5	77.5

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Alfalfa Reg C 2000
 Expt. 200008
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
1001	SARANAC	6771	4571	11148
1074	ARROW	6842	4512	11603
1498	DK134	6647	4426	11282
1500	CW64008	6600	4632	11366
1501	A9401	7483	4981	12431
1503	A9624	6272	3973	10190
1505	SL9903	6748	3662	10328
1507	DS9801	6660	4009	10478
1509	PAR_4338	6696	4177	10857
1511	C227	6339	3834	10261
1513	GH750	6507	5037	11472
1515	PLATINUM	7261	4651	11787
1516	A9501	7263	4760	12154
1518	POWER_PLANT	7177	4242	11405
1520	ZC9544	6891	4160	11232
1522	FORECAST_300	6465	4633	11123
1524	DS9705	7135	4126	11248
1525	FORECAST_100	6856	4182	11015
1527	4G71	6999	4365	11443
9053	CENTURION	6627	4492	10842
900	Mean	6812	4371	11183
901	CV	10.9	16.8	9.7
905	MCV	12.9	20.1	11.5
902	LSD	881.2	876.6	1288.4
906	LSR	72.7	63.7	57.5
907	Pr>F(Trts)	0.7364	0.5343	0.3012
908	R_square	26.7	60.8	51.1

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
Huron Park
Alfalfa Registration C
Expt. 15056
Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
1001	SARANAC	11277	2034	13374
1074	ARROW	11856	2160	13876
1498	DK134	12661	1804	14280
1500	CW64008	12081	2138	14205
1501	A9401	12047	1716	13786
1503	A9624	12968	1957	14700
1505	SL9903	12046	1514	13779
1507	DS9801	11929	2234	14353
1509	PAR_4338	10650	1371	12150
1511	C227	12080	2230	14119
1513	GH750	11998	2264	14459
1515	PLATINUM	11989	1977	13793
1516	A9501	12472	2019	14534
1518	POWER_PLANT	11261	1631	12948
1520	ZC9544	11847	1903	13895
1522	FORECAST_300	11085	2059	13186
1524	DS9705	11736	1972	13783
1525	FORECAST_100	12752	2722	15353
1527	4G71	12097	2142	14272
9053	CENTURION	11630	2101	13568
900	Mean	11923	1997	13921
901	CV	8.5	22.2	9.8
905	MCV	10.1	26.4	11.7
902	LSD	1202.7	528.3	1628.6
906	LSR	51.9	39.1	50.8
907	Pr>F(Trts)	0.3221	0.0635	0.4897
908	R_square	55.4	76.7	57.2

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
KAPUSKASING 2001
EXP: 6342
2000 OFCC ALFALFA REGISTRATION "C"

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
ARROW	1074	5735	3774	9509
A9401	1501	5554	3798	9352
A9501	1516	5687	4080	9767
A9624	1503	5076	4017	9093
CENTURION	9053	5868	4204	10073
CW_64008	1500	5698	4409	10107
C227	1511	5518	4025	9543
DK_134	1498	5737	4329	10067
DS9565	1522	5822	2962	8785
DS9579	1525	5423	3825	9248
DS9705	1524	5938	4164	10102
DS9801	1507	5666	3748	9414
DS9921	1505	4911	3815	8727
GH_750	1513	5653	4228	9881
PAR4338	1509	5354	3980	9333
PLATINUM	1515	5605	4115	9719
POWER_PLANT	1518	5773	3972	9745
SARANAC	1001	5866	4151	10018
ZC_9544	1520	5496	3905	9401
4G71	1527	5545	4316	9862
MEAN		5596	3991	9587
C.V. (%)		4.43	10.9	5.11
F		**	*	**
L.S.D. (5%)		351	616	694

ONTARIO
Pakenham
Alf Reg C
Expt. 3161
Seeded 2000

Code	Cultivar	2001 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot01
1001	SARANAC	4615	3451	981	9060
1074	ARROW	4616	3834	1233	9636
1498	DK134	4638	4042	1687	10385
1500	CW64008	4970	4192	1433	10569
1501	A9401	4900	4012	1280	10082
1503	A9624	4840	3997	1375	10171
1505	SL9903	5024	3630	1340	10051
1507	DS9801	5415	4006	1432	10820
1509	PAR_4338	4857	4014	1451	10191
1511	C227	4854	3926	1551	10372
1513	GH750	5001	3742	1396	10168
1515	PLATINUM	4260	3749	1428	9468
1516	A9501	4941	3953	1276	10238
1518	POWER_PLANT	4352	3512	1132	9000
1520	ZC9544	4676	3758	1258	9785
1522	FORECAST_300	4540	3772	1304	9659
1524	DS9705	4444	3696	1325	9509
1525	FORECAST_100	4426	3772	1410	9535
1527	4G71	4415	4129	1389	9890
9053	CENTURION	4979	3790	1274	10108
900	Mean	4738	3849	1348	9935
901	CV	9.9	5.9	11.1	6.5
905	MCV	11.8	7.1	13.2	7.7
902	LSD	558.4	272.1	177.9	766.0
906	LSR	48.3	36.7	25.2	42.1
907	Pr>F(Trts)	0.1219	0.0012	0.0000	0.0126
908	R_square	52.9	64.5	64.4	57.6

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
Elora
Alfalfa Persistence Trial
Seeded 1997

Cultivar	Code	2001 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
SARANAC	1001	7304	3443	1241	12077
EXCALIBUR	1039	7266	3743	1361	12255
ARROW	1074	7670	3422	1250	12276
2980	1129	7045	3499	1182	11638
PICKSD3030	1228	8211	4113	1631	14040
GUARDSMAN	1232	9644	4079	1530	15269
DK133	1237	7815	3932	1607	13314
MULTICHOICE	1246	7938	3600	1487	12987
JAVELIN	1248	8558	4010	1547	14149
QUATTRO_HR	1271	8237	3828	1416	13682
CHOICE	1272	7699	4166	1521	13238
FS450	1273	7592	3585	1400	12671
TARTAN	1275	8149	4082	1584	13758
FS444	1276	7310	3776	1552	12576
FORERUNNER	1285	8056	3868	1485	13483
PROLEAF	1296	7957	3917	1381	13220
5454	1297	8488	4081	1711	14011
5312	1298	8505	4059	1587	14287
HORNET	1324	8576	4424	1680	14683
MAGNUM_IV	1325	7111	4008	1644	12871
DK127	1331	8794	4418	1691	14623
ABUNDANCE	1361	8477	4900	1840	15427
DEEPKROWN	1362	8133	4215	1690	13861
FORECAST1000	1422	8578	4158	1430	14005
FORECAST3000	1423	7818	3834	1496	13140
A9303	1425	7937	3963	1376	13406
A9305	1426	7903	3400	1311	12610
TRUENORTH	1445	8323	4136	1577	13905
AVENGER	1446	7837	3608	1369	12787
MILLENNIUM	1447	8647	4356	1804	14846
PICKSD8925MF	1448	8449	4061	1750	14387
DK143	1458	9787	4551	1985	16566
5347LH	1461	7856	3475	1340	12788
ARREST	1463	6128	3281	1429	10947
TMF_GENERATI	1464	7940	3779	1561	13269
MULTIPLIER_I	1465	8157	3504	1446	13034
CENTURION	9053	7474	4126	1493	12978
Mean		8050	3934	1528	13512
CV%		8.5	6.7	6.4	6.5
Pr>F(Trts)		0.0374	0.0002	0.0001	0.001
R-square		0.75	0.90	0.89	0.83

Systematic control arrangement

ONTARIO
Elora
Alfalfa Persistence Trial
Seeded 98

Cultivar	Code	2001 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
SARANAC	1001	7045	3636	1370	12135
EXCALIBUR	1039	7282	3696	1308	12151
ARROW	1074	7415	3527	1333	12531
JACKPOT	1318	7082	3448	1159	11554
HORNET	1324	7796	4173	1631	13728
WL_282	1352	7812	4067	1619	13599
ABACUS	1356	7250	3208	1060	11479
ZG9346	1409	7222	3572	1313	11991
53V08	1434	8319	4299	1568	14484
TRUENORTH	1445	7388	3764	1472	12567
AVENGER	1446	8280	3690	1414	13442
MILLENNIUM	1447	7577	3901	1552	12955
PICKSD8925MF	1448	7354	3855	1616	12888
A9118	1451	7226	3482	1247	12037
5347LH	1461	6437	2945	1157	10411
ARREST	1463	6607	3204	1240	10532
TMF_GENERATI	1464	6290	3346	1331	10984
MULTIPLIER_I	1465	7578	3366	1303	12522
DK140	1468	7096	3645	1368	11793
DK121HG	1469	6693	3160	1048	10967
A9423	1476	7295	3670	1353	12337
A9503	1477	8025	3462	1301	12677
WL232HQ	1489	7985	3905	1559	13421
GH757	1495	7327	3591	1314	12128
OAC_MINTO	9006	6452	2896	926	10736
ONEIDA_VR	9041	7212	3902	1502	12567
CENTURION	9053	5453	3351	1210	10082
Mean		7272	3589	1346	12207
CV%		6.8	4.6	7.4	5
Pr>F(Trts)		0.0135	0.0001	0.0001	0.0001
R-square		0.77	0.93	0.95	0.87

Systematic control arrangement

ONTARIO
New Liskeard
Alfalfa Persistence Trial
Seeded 1997

Cultivar	Code	Cut 1	2001 (kg/ha)	
			Cut 2	Total
SARANAC	1001	6007	4846	10969
EXCALIBUR	1039	6384	5003	11623
ARROW	1074	5995	5157	10912
2980	1129	5584	4594	10281
PICKSD3030	1228	7007	4627	11710
GUARDSMAN	1232	5994	4879	10977
DK133	1237	6290	4684	10940
MULTICHOICE	1246	6473	4965	11463
JAVELIN	1248	6501	4550	11073
QUATTRO_HR	1271	6003	4507	10465
CHOICE	1272	6606	4856	11495
FS450	1273	6264	4712	10977
TARTAN	1275	6191	4926	11144
FS444	1276	6820	5173	11841
FORERUNNER	1285	6132	4485	10633
PROLEAF	1296	6472	4654	11025
5454	1297	6341	4335	10759
5312	1298	6756	4511	11301
HORNET	1324	5790	4121	9848
MAGNUM_IV	1325	6052	5038	11212
DK127	1331	6638	4549	10874
ABUNDANCE	1361	5901	5070	10827
DEEPKROWN	1362	5988	4521	10470
FORECAST1000	1422	6319	4441	10925
FORECAST3000	1423	6149	5123	11254
A9303	1425	6955	4636	11564
A9305	1426	6595	4573	11111
TRUENORTH	1445	6158	5201	11207
AVENGER	1446	6713	5008	11737
MILLENNIUM	1447	6065	4821	10998
PICKSD8925MF	1448	7233	4260	11508
DK143	1458	6905	4315	11204
5347LH	1461	5579	4562	10134
ARREST	1463	5395	4515	9842
TMF_GENERATI	1464	5956	4955	10879
MULTIPLIER_I	1465	6085	5195	11392
CENTURION	9053	6510	4479	10938
Mean		6293	4723	11016
CV%		8.3	10.1	6.7
Pr>F(Trts)		0.2406	0.896	0.7063
R-square		0.61	0.57	0.54

Systematic control arrangement

ONTARIO
New Liskeard
Alfalfa Persistence Trial
Seeded 1998

Cultivar	Code	2001 (kg/ha)		Total
		Cut 1	Cut 2	
SARANAC	1001	11343	3589	14911
EXCALIBUR	1039	12021	3854	15574
ARROW	1074	11926	3935	15943
JACKPOT	1318	8003	3671	11614
HORNET	1324	10159	4208	14391
WL_282	1352	9839	3740	13746
ABACUS	1356	10447	3706	14106
ZG9346	1409	11818	3994	16122
53V08	1434	10274	3703	14013
TRUENORTH	1445	11722	4139	15529
AVENGER	1446	11994	4072	16045
MILLENNIUM	1447	8782	3645	12608
PICKSD8925MF	1448	11624	3887	15390
A9118	1451	12589	3819	16349
5347LH	1461	10996	3967	15207
ARREST	1463	9495	3500	12998
TMF_GENERATI	1464	9137	3773	12905
MULTIPLIER_I	1465	11142	3924	15010
DK140	1468	10342	3713	13991
DK121HG	1469	9410	3489	12917
A9423	1476	10447	3952	14331
A9503	1477	10701	3814	14651
WL232HQ	1489	9407	3961	13385
GH757	1495	10687	4053	14957
OAC_MINTO	9006	9640	3791	13328
ONEIDA_VR	9041	9635	3905	13371
CENTURION	9053	11485	3901	15451
Mean		10514	3838	14351
CV%		12.6	6.7	9.3
Pr>F(Trts)		0.2241	0.5375	0.145
R-square		0.72	0.69	0.73

Systematic control arrangement

ONTARIO
 Elora
 Red Clover trial
 Expt. 2778
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
4036	ATLAS	5574	2077	7677	11861	19297
4055	WALTER	6428	2290	8639	12506	21377
4057	RAM	5894	2325	8239	11394	19886
4059	CONCORDE	5525	2479	7969	12011	19562
4066	LASER	6362	2183	8557	11773	20233
4073	BELLE	6615	2389	8981	11985	21017
4074	PRIMA	6285	2439	8694	12073	20702
4079	AC_ENDURE	6908	3269	10206	11816	21943
4080	TEMPUS	6863	3011	9954	13249	23182
4081	RC8702	5426	2950	8377	11582	20240
4082	AC_CHRISTIE	6249	2974	9211	10818	20100
4083	REDLANGRAZE	5429	2400	7839	12029	19807
4084	VIVI	7932	719	8660	13248	21934
4085	PAR9097	5607	2416	8016	11626	19707
900	Mean	6221	2423	8644	11998	20642
901	CV	13.2	9.0	10.3	6.5	6.0
905	MCV	15.9	10.8	12.4	7.8	7.2
902	LSD	988.9	261.7	1070.8	934.2	1476.7
906	LSR	39.5	10.3	42.3	38.4	38.0
907	Pr>F(Trts)	0.0049	0.0000	0.0113	0.0277	0.0032
908	R_square	62.9	91.9	59.7	65.0	59.6

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 Red Clover 1999
 Expt. 7298
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
4036	ATLAS	4881	1336	6217	6534	12751
4055	WALTER	5292	1112	6404	7122	13527
4057	RAM	4801	1278	6079	5755	11834
4059	CONCORDE	4961	1351	6312	6264	12576
4066	LASER	5255	1240	6496	6498	12994
4073	BELLE	5557	1307	6864	6884	13748
4074	PRIMA	4968	1186	6153	6545	12698
4079	AC_ENDURE	5423	1621	7044	6743	13787
4080	TEMPUS	6191	1662	7854	6743	14597
4081	RC8702	4516	1536	6052	6518	12571
4082	AC_CHRISTIE	5219	1532	6751	5578	12329
4083	REDLANGRAZE	5275	1292	6568	6594	13162
4084	VIVI	7470	724	8194	6069	14263
4085	PAR9097	5153	1208	6360	6293	12653
900	Mean	5354	1313	6668	6439	13106
901	CV	9.4	11.3	8.8	8.5	7.2
905	MCV	11.3	13.6	10.5	10.2	8.7
902	LSD	605.4	178.6	703.0	655.8	1137.6
906	LSR	20.5	19.0	32.8	42.5	41.2
907	Pr>F(Trts)	0.0000	0.0000	0.0001	0.0188	0.0081
908	R_square	75.4	79.1	66.0	70.7	64.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6536
 1999 OFCC RED CLOVER

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
VIVI	4084	4384	1662	6046
CRS-16	4082	2808	2462	5270
AC_ENDURE	4079	2510	2402	4912
TEMPUS	4080	2508	2978	5486
BELLE	4073	2948	2267	5215
WALTER	4055	2202	2189	4391
REDLANDGRAZE	4083	2312	1907	4219
ATLAS	4036	2073	1965	4038
RC_8702	4081	2145	1989	4134
LASER	4066	2036	1859	3895
PAR_9097	4085	2060	1661	3721
PRIMA	4074	2300	1664	3964
CONCORDE	4059	1758	1642	3400
RAM	4057	1677	1606	3283
MEAN		2409	2018	4427
C.V. %		11.7	12.2	10.3
F		**	**	**
L.S.D.5%		473	414	767

ONTARIO
 Elora
 Red Clover 2000
 Expt. 2782
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
4036	ATLAS	5291	2418	7497
4055	WALTER	6537	2430	8892
4057	RAM	5805	2807	8588
4059	CONCORDE	5980	2856	9026
4066	LASER	5969	2904	8638
4073	BELLE	6051	2852	8991
4074	PRIMA	6685	2460	9013
4079	AC_ENDURE	6158	3652	9904
4080	TEMPUS	6820	3253	10284
4081	RC8702	5886	3508	9392
4082	AC_CHRISTIE	6317	3201	9370
4083	REDLANGRAZE	5824	2892	9010
4084	VIVI	8559	1784	10383
4085	PAR9097	6002	2721	8635
900	Mean	6277	2839	9116
901	CV	11.6	13.4	9.7
905	MCV	14.0	16.0	11.6
902	LSD	876.3	454.9	1055.6
906	LSR	26.8	24.3	36.6
907	Pr>F(Trts)	0.0002	0.0000	0.0085
908	R_square	76.5	71.6	72.5

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Red Clover 2000
 Expt. 2000003
 Seeded 2000

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
4036	ATLAS	9314	9314
4055	WALTER	10288	10288
4057	RAM	7629	7629
4059	CONCORDE	8596	8596
4066	LASER	7791	7791
4073	BELLE	8318	8318
4074	PRIMA	8441	8441
4079	AC_ENDURE	7318	7318
4080	TEMPUS	6884	6884
4081	RC8702	8822	8822
4082	AC_CHRISTIE	7453	7453
4083	REDLANGRAZE	8200	8200
4084	VIVI	10304	10304
4085	PAR9097	7120	7120
900	Mean	8320	8320
901	CV	13.5	13.5
905	MCV	18.9	18.9
902	LSD	1570.3	1570.3
906	LSR	45.9	45.9
907	Pr>F(Trts)	0.0135	0.0135
908	R_square	61.4	61.4

RCBD arrangement, 3 blocks {234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6537
 2000 OFCC RED CLOVER

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
ATLAS	4036	4109	3300	7409
WALTER	4055	4228	3261	7489
RAM	4057	4141	3448	7589
CONCORDE	4059	4168	3585	7753
LASER	4066	4158	3606	7765
BELLE	4073	4515	3386	7901
PRIMA	4074	4444	3328	7772
AC_ENDURE	4079	4544	4111	8655
TEMPUS	4080	5357	3708	9066
RC_8702	4081	3742	3598	7340
CRS-16	4082	4045	3749	7794
REDLANGRAZE	4083	4279	3191	7470
VIVI	4084	5585	2649	8234
PAR9097	4085	4165	3590	7754
MEAN		4391	3466	7856
C.V. %		7.14	9.05	5.97
F		**	**	**
L.S.D.5%		449	448	671

ONTARIO
 Kemptville
 Red Clover
 Expt. 3152
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
4036	ATLAS	5151	1877	7079
4055	WALTER	4599	1682	6268
4057	RAM	4710	1989	6784
4059	CONCORDE	4960	2149	7147
4066	LASER	5034	1815	6750
4073	BELLE	5096	1641	6836
4074	PRIMA	5175	1801	7086
4079	AC_ENDURE	4308	1381	5702
4080	TEMPUS	4996	1457	6312
4081	RC8702	4212	2072	6379
4082	AC_CHRISTIE	3634	1305	4814
4083	REDLANGRAZE	4341	1863	6206
4084	VIVI	4870	944	5747
4085	PAR9097	4601	1587	6137
900	Mean	4692	1683	6375
901	CV	11.1	17.6	9.5
905	MCV	13.3	21.1	11.3
902	LSD	626.3	354.9	723.5
906	LSR	40.6	29.5	31.0
907	Pr>F(Trts)	0.0072	0.0002	0.0002
908	R_square	83.0	69.5	77.4

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 Trefoil+timothy 98
 Expt. 7282
 Seeded 1998

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	Tot99	3yrTot
		Cut 1	Cut 2				
7001	LEO	4630	1716	6346	6344	9112	21802
7003	EMPIRE	5249	1822	7071	6551	9256	22877
7031	OAC_BRIGHT	4570	1666	6236	6614	8281	21132
7034	BULL	4632	1778	6410	6410	8817	21637
7038	WELLINGTON	4510	1842	6353	6468	8619	21440
7041	AC_LANGILLE	4337	1636	5973	6018	8902	20893
900	Mean	4655	1743	6398	6401	8831	21630
901	CV	4.2	8.0	3.5	6.3	7.5	4.5
905	MCV	5.2	9.9	4.3	7.8	9.2	5.6
902	LSD	244.4	171.9	276.3	497.6	816.1	1204.3
906	LSR	26.8	83.4	25.2	83.4	83.8	60.7
907	Pr>F(Trts)	0.0003	0.2559	0.0002	0.3990	0.3879	0.1297
908	R_square	81.0	60.4	85.0	33.8	30.4	51.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6583
 1998 OFCC TREFOIL /TIMOTHY

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
LEO	7001	2697	1685	4382
EMPIRE	7003	2947	1361	4308
WELLINGTON	7038	2574	1680	4254
OAC_BRIGHT	7031	2511	1632	4143
BULL	7034	2603	1504	4107
AC_LANGILLE	7041	2242	1443	3685
MEAN		2596	1551	4147
C.V.%		5.14	13.5	6.87
F		**	ns	*
L.S.D.5%		201	315	429

ONTARIO
 Thunder Bay
 Trefoil + Timothy 1999
 Expt. 7296
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
7001	LEO	3810	1301	5111	9016	14127
7003	EMPIRE	3589	1260	4849	8766	13615
7031	OAC_BRIGHT	4114	1230	5344	8557	13901
7034	BULL	4344	1436	5780	8831	14611
7038	WELLINGTON	4317	1459	5776	8655	14432
7041	AC_LANGILLE	3654	1205	4859	8822	13681
7042	ROSEAU	4191	1309	5501	9504	15005
900	Mean	4003	1314	5317	8879	14196
901	CV	11.2	12.3	9.3	6.6	4.5
905	MCV	13.7	15.1	11.5	8.1	5.5
902	LSD	547.9	199.0	609.0	715.7	781.4
906	LSR	72.6	78.3	65.4	75.6	56.2
907	Pr>F(Trts)	0.1217	0.2431	0.0599	0.3814	0.0547
908	R_square	71.9	49.1	72.9	52.7	77.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Trefoil 99
 Expt. 9914
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
7001	LEO	8003	1124	9127	12010	21137
7003	EMPIRE	8987	1184	10171	11088	21259
7031	OAC_BRIGHT	9354	1327	10680	12961	23641
7034	BULL	9574	1447	11021	12875	23896
7038	WELLINGTON	9066	1368	10433	12312	22745
7041	AC_LANGILLE	9313	1275	10588	13486	24073
7042	ROSEAU	9232	1162	10394	12208	22602
900	Mean	9075	1270	10345	12420	22765
901	CV	7.6	13.9	6.8	9.0	6.1
905	MCV	9.4	17.0	8.4	11.1	7.4
902	LSD	850.6	216.0	866.9	1378.1	1691.6
906	LSR	54.1	67.0	45.8	57.5	57.6
907	Pr>F(Trts)	0.0946	0.1537	0.0384	0.1323	0.0308
908	R_square	63.6	58.9	70.4	41.2	55.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Trefoil & Timothy trial
 Expt. 2783
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
7001	LEO	7496	829	8350
7003	EMPIRE	6877	753	7652
7031	OAC_BRIGHT	7027	786	7840
7034	BULL	7235	1004	8186
7038	WELLINGTON	6742	927	7720
7039	EXACT	7124	1126	8219
7041	AC_LANGILLE	6986	852	7737
7042	ROSEAU	7394	968	8370
7043	PARDEE	6219	1211	7483
900	Mean	7011	940	7951
901	CV	6.3	13.3	5.3
905	MCV	7.6	16.1	6.5
902	LSD	533.2	151.4	513.3
906	LSR	41.7	33.0	57.9
907	Pr>F(Trts)	0.0195	0.0004	0.0512
908	R_square	66.3	86.3	63.9

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Trefoil And Timothy 2000
 Expt. 200004
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
7001	LEO	7862	1532	9394
7003	EMPIRE	6580	1309	7889
7031	OAC_BRIGHT	7119	1824	8943
7034	BULL	7703	1886	9589
7038	WELLINGTON	8027	2013	10039
7039	EXACT	7938	2068	10006
7041	AC_LANGILLE	7737	1809	9546
7042	ROSEAU	7367	1821	9187
7043	PARDEE	6500	1777	8277
900	Mean	7426	1782	9208
901	CV	12.0	18.7	11.5
905	MCV	14.6	22.7	13.9
902	LSD	1081.9	403.7	1280.1
906	LSR	70.9	53.2	59.5
907	Pr>F(Trts)	0.1593	0.0968	0.1031
908	R_square	45.8	52.9	49.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6584
 2000 OFCC TREFOIL /TIMOTHY

YIELD (kg DM/ha)				
CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
LEO	7001	5920	2093	8013
EMPIRE	7003	6029	1264	7293
OAC_BRIGHT	7031	6125	1985	8110
BULL	7034	6252	2243	8495
WELLINGTON	7038	5908	2080	7988
EXACT	7039	5918	2162	8080
AC_LANGILLE	7041	5977	1619	7596
ROSEAU	7042	6133	1901	8034
PARDEE	7043	5727	1389	7117
MEAN		5999	1860	7858
C.V. (%)		4.37	12.4	4.43
F		ns	**	**
L.S.D. (5%)		382	336	508

ONTARIO
 Kemptville
 Trefoil/Timothy
 Expt. 3151
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
7001	LEO	5356	1626	6939
7003	EMPIRE	4966	1141	6409
7031	OAC_BRIGHT	5136	1483	6809
7034	BULL	5098	1883	6916
7038	WELLINGTON	5214	1539	6791
7039	EXACT	4937	1559	6287
7041	AC_LANGILLE	5381	1585	6601
7042	ROSEAU	5092	1418	6605
7043	PARDEE	4826	1270	6153
900	Mean	5112	1501	6612
901	CV	8.6	18.1	7.1
905	MCV	10.5	21.9	8.7
902	LSD	536.2	329.1	572.9
906	LSR	96.7	44.3	72.9
907	Pr>F(Trts)	0.7591	0.0661	0.2579
908	R_square	21.6	76.4	58.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 White clover +Orchardgrass
 Expt. 7281
 Seeded 1998

		2001 (kg/ha)						
Code	Cultivar	Cut 1	Cut 2	Cut 3	Tot01	Tot00	Tot99	3yrTot
8007	CAL_LADINO	1682	872	680	3234	1317	7300	11851
8005	SACRAMENTO	1725	884	634	3242	1201	7342	11785
8010	CANOPY	1755	942	626	3323	1204	7690	12217
8012	OSCEOLA	1819	947	602	3368	1319	7763	12450
8013	SHASTA	1808	1016	715	3540	1354	7667	12560
8014	ALICE	1896	898	490	3284	1476	7906	12666
8023	ADVANTAGE	1954	984	680	3618	1426	8288	13332
8082	OTAVANYZ	1733	889	477	3099	1323	7854	12277
900	Mean	1796	929	613	3339	1328	7726	12392
901	CV	8.2	17.4	18.7	11.9	7.8	3.4	4.9
905	MCV	10.0	21.1	22.8	14.4	9.4	4.1	5.9
902	LSD	179.9	196.5	139.9	481.5	125.3	318.6	734.2
906	LSR	66.0	136.3	58.7	92.9	45.7	32.2	47.5
907	Pr>F(Trts)	0.2032	0.8815	0.0639	0.6505	0.0131	0.0008	0.0387
908	R_square	47.8	21.5	54.9	36.5	89.9	84.7	77.8
RCBD arrangement, 4 blocks {1234}								

ONTARIO
 Elora
 White Clover & Orchardgrass
 Expt. 2776
 Seeded 1999

Code	Cultivar	2001 (kg/ha)				Tot01	Tot00	2yrTot
		Cut1	Cut2	Cut3	Cut4			
8005	SACRAMENTO	5537	1962	873	348	8724	9804	18628
8007	CAL_LADINO	5795	1923	804	358	8928	10495	19203
8010	CANOPY	5842	1799	740	270	8530	10638	19212
8012	OSCEOLA	6064	2117	818	330	9319	10708	19822
8013	SHASTA	5615	2069	695	298	8704	10935	19666
8014	ALICE	6143	1875	816	278	9216	9140	18157
8022	OTAVNYJ	5586	1743	699	249	8322	10743	19527
8023	ADVANTAGE	5590	2072	750	294	8611	10934	19535
900	Mean	5772	1945	774	303	8794	10424	19219
901	CV	6.1	6.9	17.8	14.8	5.7	4.3	2.5
905	MCV	7.5	8.4	21.7	18.1	7.0	5.3	3.0
902	LSD	432.0	163.2	168.1	54.9	615.6	550.0	581.8
906	LSR	71.3	43.6	94.4	50.5	61.7	30.6	34.9
907	Pr>F(Trts0.1998	0.0229	0.6690	0.0331	0.1833	0.0002	0.0029	
908	R_square	67.9	74.5	83.0	79.6	79.2	80.1	90.6

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 White Clover + Orchardgrass
 Expt. 7297
 Seeded 1999

Code	Cultivar	2001 (kg/ha)			Tot01	Tot00	2yrTot
		Cut 1	Cut 2	Cut 3			
8005	SACRAMENTO	2184	954	654	3793	1383	5175
8007	CAL_LADINO	2251	1015	598	3864	1855	5719
8010	CANOPY	2229	933	567	3729	1633	5362
8012	OSCEOLA	2243	1109	631	3982	1485	5467
8013	SHASTA	2121	997	612	3731	1701	5432
8014	ALICE	2484	1008	416	3908	2318	6226
8022	OTAVNYJ	2259	1094	479	3833	2567	6400
8023	ADVANTAGE	2235	954	564	3753	1382	5135
900	Mean	2251	1008	565	3824	1790	5615
901	CV	7.5	12.0	14.6	8.1	10.9	7.1
905	MCV	9.2	14.6	17.7	9.8	13.3	8.7
902	LSD	206.1	146.7	100.2	375.3	237.5	488.4
906	LSR	56.8	83.4	42.1	148.2	20.0	38.6
907	Pr>F(Trts)	0.2128	0.3721	0.0081	0.9225	0.0000	0.0011
908	R_square	87.3	91.0	84.7	90.7	91.5	92.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 White Clover & Orchardgrass
 Expt. 2784
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Cut 3	Cut 4	Tot01
		Cut 1	Cut 2			
8005	SACRAMENTO	3652	1472	834	524	6481
8007	CAL_LADINO	3637	1563	826	475	6490
8010	CANOPY	3696	1514	817	489	6518
8012	OSCEOLA	3704	1670	950	584	6831
8013	SHASTA	3706	1735	1027	628	7149
8014	ALICE	3949	1787	1201	712	7664
8022	OTAVNYJ	3914	1347	791	391	6451
8023	ADVANTAGE	3805	1766	1054	650	7286
900	Mean	3758	1607	938	557	6859
901	CV	7.2	8.2	10.3	18.1	6.4
905	MCV	8.8	10.1	12.5	22.1	7.8
902	LSD	332.5	162.0	117.6	123.0	532.8
906	LSR	106.7	36.9	28.7	38.4	43.9
907	Pr>F(Trts)	0.6340	0.0013	0.0001	0.0049	0.0046
908	R_square	74.9	80.7	82.3	79.3	80.4

RCBD arrangement, 4 blocks {1234}
 Nearest-neighbour covariance adjusted.

ONTARIO
 KAPUSKASING 2001
 EXP: 6614
 2000 OFCC WHITE CLOVER/ORCHARDGRASS

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
SACRAMENTO	8005	3766	1920	5686
CAL LADINO	8007	3998	1464	5462
CANOPY	8010	4127	1295	5422
OSCEOLA	8012	3814	1338	5152
SHASTA	8013	4076	1480	5556
ALICE	8014	4190	1840	6029
ADVANTAGE	8023	4022	1521	5543
OTAVNYZ	8022	4219	2691	6911
MEAN		4027	1694	5720
C.V. (%)		9.11	13.63	7.78
F		ns	**	**
L.S.D(5%)		529	339	654

ONTARIO
Pakenham
White Clover/Orchardgrass
Expt. 3153
Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
8007	CAL LADINO	4907	906	5807
8005	SACRAMENTO	4553	924	5513
8010	CANOPY	4799	1061	5845
8012	OSCEOLA	4879	1089	5974
8013	SHASTA	5006	1029	5957
8014	ALICE	5127	1013	6212
8022	OTAVNYJ	5855	1049	6901
8023	ADVANTAGE	4977	927	5878
900	Mean	5068	997	6065
901	CV	9.5	24.5	9.7
905	MCV	11.5	29.8	11.8
902	LSD	581.6	296.9	714.5
906	LSR	44.7	162.5	51.5
907	Pr>F(Trts)	0.0431	0.9679	0.1384
908	R_square	53.1	40.3	40.2

RCBD arrangement, 4 blocks {1234}
Nearest-neighbour covariance adjusted.

ONTARIO
 Thunder Bay
 Brome Reg A 97
 Expt. 7274
 Seeded 1997

Code	Cultivar	2001 (kg/ha)					
		Cut 1	Tot01	Tot00	Tot99	Tot98	4yrTot
2001	BAYLOR	3180	3180	6731	6767	8114	24792
2002	SARATOGA	3187	3187	6733	6346	8228	24493
2027	BEACON	3230	3230	6954	6482	8449	25114
2039	BRAVO	3090	3090	7044	6497	8244	24874
2051	RADISSON	3094	3094	7042	6121	8068	24325
2056	LEIF	2944	2944	5601	4988	7586	21119
900	Mean	3121	3121	6684	6200	8115	24120
901	CV	5.2	5.2	8.6	10.6	10.5	8.6
905	MCV	6.4	6.4	10.7	13.2	13.1	10.7
902	LSD	199.2	199.2	715.7	815.6	1059.9	2573.3
906	LSR	69.7	69.7	49.6	45.9	122.8	64.4
907	Pr>F(Trts)	0.2112	0.2112	0.0240	0.0229	0.7989	0.1247
908	R_square	62.8	62.8	61.2	59.6	51.3	49.6
RCBD arrangement, 4 blocks {1234}							

ONTARIO
 New Liskeard
 Brome Reg 97
 Expt. 9704
 Seeded 1997

Code	Cultivar	2001 (kg/ha)					
		Cut 1	Tot01	Tot00	Tot99	Tot98	4yrTot
2001	BAYLOR	5869	5869	9428	13361	10056	38714
2002	SARATOGA	6644	6644	10021	14575	9536	40776
2027	BEACON	6884	6884	10113	13620	9907	40523
2039	BRAVO	8291	8291	10677	14309	8965	42243
2051	RADISSON	7381	7381	10875	13527	10459	42242
2056	LEIF	5681	5681	8713	12391	8858	35643
900	Mean	6792	6792	9971	13631	9630	40023
901	CV	6.2	6.2	10.1	10.8	6.2	6.6
905	MCV	7.6	7.6	12.5	13.4	7.7	8.2
902	LSD	518.1	518.1	1244.5	1822.6	744.2	3264.2
906	LSR	19.9	19.9	57.5	83.4	46.5	49.5
907	Pr>F(Trts)	0.0000	0.0000	0.0727	0.4011	0.0114	0.0235
908	R_square	94.9	94.9	48.2	42.5	61.8	58.5
RCBD arrangement, 4 blocks {1234}							

ONTARIO
 KAPUSKASING 2001
 EXP: 6183
 1998 OFCC BROMEGRASS

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
SARATOGA	2002	3336	1873	5209
LEIF	2056	3191	1792	4983
BRAVO	2039	2696	1590	4286
BAYLOR	2001	2429	1778	4207
RADISSON	2051	2091	1471	3562
MEAN		2748	1701	4449
C.V. %		9.31	11.9	8.52
F		**	ns	**
L.S.D.5%		394	312	584

ONTARIO
 New Liskeard
 Brome A 99
 Expt. 9907
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot00	2yrTot
		Cut 1	Tot01		
2001	BAYLOR	6990	6990	12695	19685
2002	SARATOGA	6607	6607	12710	19317
2039	BRAVO	6782	6782	12563	19345
2051	RADISSON	7389	7389	13404	20793
2054	PADDOCK	6283	6283	11800	18083
2059	CAS-AZ_11	5291	5291	11782	17072
2060	PEAK	7539	7539	14694	22233
2061	LOBF_9201	7052	7052	11928	18981
900	Mean	6742	6742	12697	19439
901	CV	8.4	8.4	6.5	5.4
905	MCV	10.3	10.3	7.9	6.5
902	LSD	691.7	691.7	1005.4	1266.5
906	LSR	30.8	30.8	34.5	24.5
907	Pr>F(Trts)	0.0005	0.0005	0.0010	0.0000
908	R_square	70.7	70.7	69.5	78.1

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Bromegrass Reg A 2000
 Expt. 2787
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
2001	BAYLOR	5425	2143	7567
2002	SARATOGA	6879	2972	9851
2039	BRAVO	5511	2529	8040
2051	RADISSON	5340	2375	7714
2054	PADDOCK	6622	2409	9031
2057	FLEET	6495	2062	8557
2059	CAS-AZ_11	4853	1764	6618
2060	PEAK	6442	3117	9559
2061	LOBF_9201	5225	2085	7310
2062	BOSIR	5064	3192	8256
2063	HAKARI	5786	2908	8694
900	Mean	5786	2505	8291
901	CV	7.9	9.5	7.0
905	MCV	9.5	11.5	8.3
902	LSD	548.9	287.0	692.1
906	LSR	27.1	20.1	21.4
907	Pr>F(Trts)	0.0000	0.0000	0.0000
908	R_square	80.9	84.9	82.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Bromegrass A
 Expt. 7301
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
2001	BAYLOR	5756	1067	6822
2002	SARATOGA	5859	1184	7043
2039	BRAVO	5542	1156	6699
2051	RADISSON	5791	1186	6976
2054	PADDOCK	5665	1258	6922
2057	FLEET	5307	1309	6616
2059	CAS-AZ_11	5406	782	6189
2060	PEAK	5925	1268	7194
2061	LOBF_9201	5959	951	6910
2062	BOSIR	1056	1852	2909
2063	HAKARI	1277	1755	3031
900	Mean	4868	1252	6119
901	CV	7.7	12.3	7.8
905	MCV	9.3	14.8	9.3
902	LSD	451.5	185.1	569.3
906	LSR	9.2	17.3	13.3
907	Pr>F(Trts)	0.0000	0.0000	0.0000
908	R_square	97.1	85.6	94.2

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Brome Reg A 2000
 Expt. 200009
 Seeded 2000

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
2001	BAYLOR	8556	8556
2002	SARATOGA	9502	9502
2039	BRAVO	9948	9948
2051	RADISSON	9323	9323
2054	PADDOCK	7981	7981
2057	FLEET	7632	7632
2059	CAS-AZ_11	7043	7043
2060	PEAK	11291	11291
2061	LOBF_9201	7454	7454
2062	BOSIR	5655	5655
2063	HAKARI	5627	5627
900	Mean	8183	8183
901	CV	6.6	6.6
905	MCV	8.0	8.0
902	LSD	650.8	650.8
906	LSR	11.5	11.5
907	Pr>F(Trts)	0.0000	0.0000
908	R_square	93.8	93.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6186
 2000 OFCC BROME A

		YIELD (kg DM/ha)		
CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
BAYLOR	2001	4524	2607	7130
BOSIR	2062	3187	2656	5843
BRAVO	2039	4223	2510	6733
CAS-AZ-11	2059	5219	2567	7787
FLEET	2057	4622	2217	6839
LOBF9201	2061	4088	2225	6313
PADDOCK	2054	3731	1830	5561
PEAK	2060	5271	2913	8184
RADISSON	2051	4595	2532	7126
SARATOGA	2002	4710	2928	7638
HAKARI	2063	3599	2939	6538
MEAN		4343	2538	6881
C.V. %		13.59	9.2	10.3
F		**	**	**
L.S.D.5%		854	338	1025

ONTARIO
 Thunder Bay
 Brome Reg D 97
 Expt. 7275
 Seeded 1997

		2001 (kg/ha)						
Code	Cultivar	Cut1	Cut2	Tot01	Tot00	Tot99	Tot98	4yrTot
2001	BAYLOR	1835	1300	3135	3713	4705	7799	19352
2002	SARATOGA	1934	1421	3355	3917	4931	7978	20181
2027	BEACON	1814	1245	3059	3575	5060	7756	19450
2039	BRAVO	1821	1597	3418	3861	4542	8717	20538
2051	RADISSON	1663	1879	3542	3635	4470	8279	19926
2054	PADDOCK	1322	2018	3340	4869	5406	8895	22510
2055	COTTONWOOD	1805	1078	2883	3468	4476	7429	18256
2056	LEIF	1572	1709	3281	3104	3804	7667	17856
2057	FLEET	1494	1908	3401	4937	5344	9473	23154
900	Mean	1696	1573	3268	3898	4749	8221	20136
901	CV	5.4	6.1	4.7	4.9	5.8	7.1	4.1
905	MCV	6.5	7.3	5.7	5.9	7.1	8.6	4.9
902	LSD	109.9	115.2	185.1	230.8	336.1	704.6	994.7
906	LSR	17.9	12.2	28.1	12.6	21.0	34.5	18.8
907	Pr>F(Trts)	0.0	0.0	0.0001	0.0	0.0	0.0006	0.0
908	R_square	88.6	94.2	73.2	93.5	81.9	66.4	86.5
RCBD arrangement, 4 blocks {1234}								

ONTARIO
 KAPUSKASING 2001
 EXP: 6184
 1998 OFCC MEADOW BROME

		YIELD (kg DM/ha)		
CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
FLEET	2057	4096	1262	5358
PADDOCK	2054	3554	1157	4711
RADISSON	2051	3181	1007	4188
LEIF	2056	3190	979	4169
BRAVO	2039	3259	933	4192
SARATOGA	2002	2960	968	3928
BAYLOR	2001	2817	874	3691
COTTONWOOD	2055	2655	674	3329
MEAN		3214	982	4196
C.V. %		12.5	17.5	11.7
F		*	*	**
L.S.D.5%		701	301	857

ONTARIO
 Thunder Bay
 Bromegrass D 1999
 Expt. 7290
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
2001	BAYLOR	1281	736	2018	4985	7003
2002	SARATOGA	1124	648	1771	6062	7833
2039	BRAVO	1309	774	2084	5992	8076
2051	RADISSON	1350	1122	2472	5678	8150
2054	PADDOCK	1350	2084	3434	8140	11574
2057	FLEET	1601	2021	3622	7859	11481
2058	BW7	668	615	1283	3226	4510
900	Mean	1240	1143	2384	5992	8375
901	CV	7.8	11.9	8.5	6.9	4.9
905	MCV	9.6	14.6	10.4	8.5	6.1
902	LSD	118.5	166.3	248.8	510.0	506.8
906	LSR	12.7	11.3	10.6	10.4	7.2
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0000	0.0000
908	R_square	93.5	96.8	96.2	95.6	98.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Brome D 99
 Expt. 9908
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot00	2yrTot
		Cut 1	Tot01		
2001	BAYLOR	6847	6847	10994	17840
2002	SARATOGA	5840	5840	11375	17216
2039	BRAVO	6904	6904	11651	18555
2051	RADISSON	7852	7852	12690	20542
2054	PADDOCK	6442	6442	11069	17511
2061	LOBF_9201	6334	6334	10309	16643
900	Mean	6682	6682	9727	16409
901	CV	9.1	9.1	8.9	7.1
905	MCV	11.1	11.1	10.9	8.7
902	LSD	744.2	744.2	1056.9	1426.4
906	LSR	37.0	37.0	8.3	10.2
907	Pr>F(Trts)	0.0078	0.0078	0.0000	0.0000
908	R_square	59.4	59.4	97.2	95.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Bromegrass D
 Expt. 7300
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
2001	BAYLOR	3199	744	3944
2002	SARATOGA	2952	854	3806
2039	BRAVO	3131	762	3893
2051	RADISSON	3082	882	3964
2054	PADDOCK	3349	1310	4659
2057	FLEET	2688	1502	4190
2059	CAS-AZ_11	2947	593	3539
2060	PEAK	3078	806	3884
2061	LOBF_9201	3022	887	3909
2062	BOSIR	1525	2575	4099
2063	HAKARI	1525	2689	4214
900	Mean	2773	1237	4009
901	CV	8.2	16.9	6.8
905	MCV	9.8	20.3	8.2
902	LSD	271.4	251.5	328.2
906	LSR	14.9	12.0	29.3
907	Pr>F(Trts)	0.0000	0.0000	0.0009
908	R_square	91.6	94.4	69.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Brome D 2000
 Expt. 200010
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
2001	BAYLOR	7252	1667	8919
2002	SARATOGA	7848	2262	10111
2039	BRAVO	9127	1491	10618
2051	RADISSON	8903	1830	10732
2054	PADDOCK	7398	2151	9548
2057	FLEET	7446	1825	9271
2059	CAS-AZ_11	7932	860	8792
2060	PEAK	8726	2149	10875
2061	LOBF_9201	7860	2030	9890
2062	BOSIR	5331	1629	6960
2063	HAKARI	5410	2215	7625
900	Mean	7567	1828	9395
901	CV	8.8	32.4	9.8
905	MCV	12.4	45.6	13.7
902	LSD	937.9	834.1	1290.3
906	LSR	24.7	59.5	33.0
907	Pr>F(Trts)	0.0000	0.2274	0.0005
908	R_square	84.4	45.2	74.0

RCBD arrangement, 3 blocks {234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6187
 2000 OFCC BROME D

		YIELD (kg DM/ha)		
CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
BAYLOR	2001	4528	3228	7756
BOSIR	2062	2481	3683	6164
BRAVO	2039	4321	3113	7434
CAS-AZ-11	2059	4370	3113	7483
FLEET	2057	3409	2621	6030
LOBF9201	2061	4424	2964	7388
PADDOCK	2054	2873	3438	6311
PEAK	2060	3768	3122	6891
RADISSON	2051	3953	2855	6808
SARATOGA	2002	4785	3302	8086
HAKARI	2063	3354	3885	7238
MEAN		3842	3211	7054
C.V. %		15.55	11.43	11.83
F		**	**	*
L.S.D.5%		863	530	1205

ONTARIO
 Thunder Bay
 Early Orchardgrass 97
 Expt. 7279
 Seeded 1997

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	Tot99	Tot98	4yrTot
		Cut 1	Cut 2					
3001	JUNO	3302	973	4275	4383	5809	7516	21984
3003	KAY	3947	874	4821	4618	6902	7484	23825
3009	NAPIER	3509	1032	4541	3943	6064	7520	22069
3066	RAPIDO	3036	1089	4125	4146	5844	7101	21216
3072	DS7	3370	1014	4384	4855	6553	7365	23157
3074	JAY	4423	704	5127	4896	6811	6958	23793
3075	BENCHMARK	2803	1029	3831	4395	5970	7118	21315
3078	AC_SPLENDOR	3571	823	4394	4415	6431	7097	22337
3079	OKAY	3653	984	4637	4695	6509	7816	23657
3093	BAR_H_DGL_05	3257	970	4227	3962	5418	7112	20719
3094	OG9201	3010	1042	4052	4576	6191	7072	21891
3095	PS9001	3089	1138	4228	5125	6305	7548	23205
3096	OG9401	3865	766	4631	4780	6441	6636	22489
900	Mean	3449	957	4406	4522	6250	7257	22435
901	CV	10.5	11.1	8.5	13.9	7.2	7.2	7.0
905	MCV	12.6	13.3	10.1	16.7	8.7	8.6	8.4
902	LSD	434.0	127.3	446.9	756.3	543.1	624.8	1876.9
906	LSR	26.8	29.3	34.5	64.0	36.6	53.0	60.4
907	Pr>F(Trts)	0.0000	0.0000	0.0020	0.2556	0.0019	0.1805	0.1001
908	R_square	70.4	67.6	61.3	39.7	61.7	53.2	39.2

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Orchardgrass 97
 Expt. 9705
 Seeded 1997

Code	Cultivar	2001 (kg/ha)					
		Cut 1	Tot01	Tot00	Tot99	Tot98	4yrTot
3001	JUNO	4554	4554	5462	12333	9123	31472
3003	KAY	5165	5165	6050	13789	10703	35708
3009	NAPIER	4516	4516	5777	13437	10680	34410
3066	RAPIDO	4066	4066	5521	11752	9293	30632
3072	DS7	4915	4915	6328	13694	9792	34728
3074	JAY	4332	4332	6584	12437	10309	33662
3075	BENCHMARK	4699	4699	5943	12069	9185	31895
3078	AC_SPLENDOR	5293	5293	6615	13853	11307	37067
3079	OKAY	5174	5174	6206	14662	10590	36632
3093	BAR_H_DGL_05	4678	4678	5012	10355	9105	29150
3094	OG9201	4573	4573	5341	13096	10082	33092
3095	PS9001	4734	4734	5006	12702	9921	32363
3096	OG9401	5544	5544	6466	14450	10251	36712
900	Mean	4788	4788	5870	12971	10026	33656
901	CV	9.7	9.7	8.3	10.5	9.2	6.3
905	MCV	13.5	13.5	11.7	14.6	12.9	8.9
902	LSD	647.4	647.4	684.4	1896.9	1289.4	2984.9
906	LSR	43.8	43.8	42.5	44.0	58.6	37.7
907	Pr>F(Trts)	0.0329	0.0329	0.0019	0.0378	0.1181	0.0016
908	R_square	70.7	70.7	67.3	56.6	48.6	69.5

RCBD arrangement, 3 blocks {234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6156
 1998 OFCC EARLY ORCHARD GRASS

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
BENCHMARK	3075	4368	2425	6793
RAPIDO	3066	4318	2424	6742
PROFILE	3101	4230	2319	6549
BARHDGL05	3093	4227	2284	6511
OG9501	3097	4286	2174	6460
OG9201	3094	4353	2027	6380
JUNO	3001	4242	2124	6366
NAPIER	3009	4304	2030	6334
DS7	3072	4185	2116	6301
MEAN		4279	2214	6493
C.V. %		8.26	13.2	8.34
F		ns	ns	ns
L.S.D.5%		516	426	790

ONTARIO
 Elora
 Orchardgrass Registration
 Expt. 2771
 Seeded 1999

Code	Cultivar	2001 (kg/ha)			Tot01	Tot00	2yrTot
		Cut 1	Cut 2	Cut 3			
3003	KAY	5465	1493	375	7332	10417	17749
3075	BENCHMARK	5979	1749	521	8249	10242	18491
3078	AC_SPLENDOR	4493	1630	371	6493	8873	15367
3086	HAYMATE	5450	1617	450	7517	9761	17277
3097	OG9501	5757	1595	493	7845	10236	18081
3098	OG9502	5923	1666	403	7992	10464	18456
3100	WARRIOR	5614	1576	467	7656	9999	17655
3101	PROFILE	6266	1603	425	8293	10834	19128
3103	OG9204	5653	1608	373	7634	9831	17465
3104	HAKA	5123	1321	342	6786	9633	16419
900	Mean	5572	1586	422	7580	10029	17609
901	CV	6.3	7.4	11.2	5.6	5.8	4.6
905	MCV	7.6	8.9	13.5	6.7	7.0	5.5
902	LSD	424.6	141.2	56.8	509.3	697.9	967.5
906	LSR	24.0	33.0	31.6	28.3	35.6	25.7
907	Pr>F(Trts)	0.0000	0.0037	0.0001	0.0000	0.0051	0.0000
908	R_square	75.9	81.9	81.4	79.8	58.7	76.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Early Orchardgrass 1999
 Expt. 7289
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
3075	BENCHMARK	1534	885	2419	5622	8041
3097	OG9501	1786	859	2645	6152	8797
3104	HAKA	2724	802	3526	9180	12706
900	Mean	2015	849	2863	6985	9848
901	CV	10.6	11.1	9.4	7.1	7.0
905	MCV	14.6	15.2	12.9	9.8	9.6
902	LSD	293.6	128.9	368.4	683.9	946.8
906	LSR	24.7	155.1	33.3	19.2	20.3
907	Pr>F(Trts)	0.0008	0.4864	0.0030	0.0002	0.0003
908	R_square	92.7	58.8	86.9	95.5	94.9
RCBD arrangement, 4 blocks {1234}						

ONTARIO
 Thunder Bay
 Late Orchardgrass 1999
 Expt. 7288
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
3003	KAY	3143	937	4081	7544	11625
3078	AC_SPLENDOR	2976	1229	4206	8049	12255
3086	HAYMATE	2085	1028	3113	6066	9179
3098	OG9502	2157	1051	3208	6823	10031
3100	WARRIOR	1963	1000	2963	4760	7723
3101	PROFILE	1930	926	2857	4711	7568
3103	OG9204	2431	1128	3559	6483	10042
900	Mean	2384	1043	3427	6348	9775
901	CV	13.4	20.6	9.0	5.9	5.6
905	MCV	16.4	25.2	11.0	7.2	6.8
902	LSD	391.4	262.8	377.7	456.9	666.9
906	LSR	32.3	86.7	28.0	13.7	14.2
907	Pr>F(Trts)	0.0001	0.4556	0.0000	0.0000	0.0000
908	R_square	79.5	41.7	84.1	94.3	93.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6158
 1999 OFCC ORCHARD GRASS

YIELD (kg DM/ha)

CULTIVAR	CODE	CUT 1	CUT 2	TOTAL
PROFILE	3101	4909	3100	8009
HAKA	3104	5348	2859	8207
KAY	3003	5326	2796	8122
WARRIOR	3100	4808	2792	7600
OG_9502	3098	4939	2825	7764
BENCHMARK	3075	4767	2787	7554
OG_9204	3103	4589	2971	7560
OG_9501	3097	4775	2682	7457
HAYMATE	3086	4491	2466	6957
AC_SPLENDOR	3078	4323	2093	6416
MEAN		4828	2737	7565
C.V. %		9.46	13.2	9.67
F		ns	ns	ns
L.S.D.5%		784	618	1255

ONTARIO
 Elora
 Early Orchardgrass 2000
 Expt. 2790
 Seeded 2000

Code	Cultivar	2001 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot01
3001	JUNO	5823	2148	878	8848
3009	NAPIER	5847	2224	898	8969
3066	RAPIDO	8051	2261	785	11096
3072	DS7	5739	2206	761	8706
3075	BENCHMARK	6211	2342	888	9441
3094	OG9201	6214	2445	875	9534
3104	HAKA	6172	1917	886	8975
900	Mean	6294	2220	853	9367
901	CV	7.4	5.2	11.6	5.8
905	MCV	9.0	6.4	14.2	7.1
902	LSD	567.4	141.6	120.8	667.9
906	LSR	24.5	26.8	88.6	27.9
907	Pr>F (Trts)	0.0000	0.0002	0.3178	0.0001
908	R_square	80.3	76.1	63.5	75.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Early Orchardgrass 2000
 Expt. 200011
 Seeded 2000

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
3001	JUNO	7506	7506
3009	NAPIER	7746	7746
3066	RAPIDO	6586	6586
3072	DS7	7905	7905
3075	BENCHMARK	7137	7137
3094	OG9201	6873	6873
3104	HAKA	8057	8057
900	Mean	7402	7402
901	CV	7.3	7.3
905	MCV	9.0	9.0
902	LSD	665.2	665.2
906	LSR	45.2	45.2
907	Pr>F(Trts)	0.0088	0.0088
908	R_square	60.4	60.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6159
 2000 OFCC ORCHARD GRASS

YIELD (kg DM/ha)

CULTIVAR	CODE	CUT 1	CUT 2	TOTAL
BENCHMARK	3075	3971	3417	7388
DS7	3072	4366	3288	7653
JUNO	3001	4887	3154	8041
NAPIER	3009	4279	3131	7410
OG9201	3094	4455	3329	7784
RAPIDO	3066	4805	3346	8152
HAKA	3104	4991	2867	7858
MEAN		4536	3219	7755
C.V. %		10.77	9.71	6.37
F		ns	ns	ns
L.S.D.5%		726	464	734

ONTARIO
Pakenham
Orchardgrass Reg A
Expt. 3162
Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
3001	JUNO	5237	1002	6239
3009	NAPIER	3973	1326	5300
3066	RAPIDO	4829	1159	5987
3072	DS7	4919	1040	5959
3075	BENCHMARK	4727	1272	6000
3094	OG9201	4595	1336	5931
3104	HAKA	5398	1048	6446
900	Mean	4811	1169	5980
901	CV	9.8	14.6	7.2
905	MCV	14.3	21.3	10.5
902	LSD	688.3	248.5	629.8
906	LSR	48.3	74.4	54.9
907	Pr>F(Trts)	0.0556	0.1286	0.1438
908	R_square	63.0	57.2	57.1

RCBD arrangement, 3 blocks {123}

ONTARIO
 Thunder Bay
 Reed Canarygrass 97
 Expt. 7276
 Seeded 1997

Code	Cultivar	2001 (kg/ha)					
		Cut 1	Tot01	Tot00	Tot99	Tot98	4yrTot
5011	VANTAGE	4256	4256	6413	7294	4538	22500
5013	PALATON	4232	4232	6325	7663	4407	22626
5016	VENTURE	3928	3928	6479	7088	4587	22083
5023	ASRCG-96	3932	3932	6657	7756	4607	22953
5024	VASR8401	3115	3115	3979	5525	1986	14605
900	Mean	3892	3892	5970	7065	4025	20953
901	CV	6.9	6.9	7.2	5.5	5.4	4.8
905	MCV	8.6	8.6	9.1	6.9	6.7	6.1
902	LSD	336.2	336.2	541.1	490.3	271.3	1275.1
906	LSR	29.5	29.5	20.2	22.0	10.4	15.3
907	Pr>F(Trts)	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000
908	R_square	82.3	82.3	90.1	88.0	97.6	94.5
RCBD arrangement, 4 blocks {1234}							

ONTARIO
 New Liskeard
 Reed Canary 97
 Expt. 9707
 Seeded 1997

Code	Cultivar	2001 (kg/ha)					
		Cut 1	Tot01	Tot00	Tot99	Tot98	4yrTot
5011	VANTAGE	6154	6154	7227	14546	9352	37278
5013	PALATON	6189	6189	6770	13914	9266	36138
5016	VENTURE	5831	5831	6599	14539	9107	36077
5023	ASRCG-96	5973	5973	6565	15156	8969	36662
5024	VASR8401	5141	5141	5636	11253	4658	26688
900	Mean	5857	5857	6559	13881	8270	34568
901	CV	5.5	5.5	14.8	9.2	3.6	5.8
905	MCV	6.9	6.9	18.7	11.6	4.6	7.3
902	LSD	403.9	403.9	1224.2	1612.6	377.5	2513.6
906	LSR	38.5	38.5	77.0	41.3	8.0	23.7
907	Pr>F(Trts)	0.0038	0.0038	0.2851	0.0082	0.0000	0.0000
908	R_square	94.9	94.9	50.2	74.0	98.5	88.6
RCBD arrangement, 4 blocks {1234}							

ONTARIO
 Elora
 Reed Canary Registration
 Expt. 2775
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
5011	VANTAGE	5533	2432	7965
5013	PALATON	5215	2393	7608
5016	VENTURE	6311	2353	8664
5027	CHIEFTON	4997	2365	7361
900	Mean	5514	2386	7899
901	CV	6.1	8.7	6.2
905	MCV	7.9	11.3	8.1
902	LSD	438.3	268.9	639.8
906	LSR	33.3	338.2	49.1
907	Pr>F(Trts)	0.0021	0.9445	0.0228
908	R_square	87.6	47.8	79.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Reed Canary Test 99
 Expt. 9913
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot00	2yrTot
		Cut 1	Tot01		
5011	VANTAGE	3837	3837	10225	14062
5013	PALATON	3963	3963	10267	14230
5016	VENTURE	3489	3489	10367	13857
5027	CHIEFTON	3826	3826	9741	13568
900	Mean	3779	3779	10150	13929
901	CV	11.8	11.8	11.9	8.6
905	MCV	15.3	15.3	15.4	11.1
902	LSD	578.1	578.1	1561.6	1550.3
906	LSR	122.0	122.0	249.5	234.0
907	Pr>F(Trts)	0.5133	0.5133	0.8826	0.8740
908	R_square	56.4	56.4	32.3	40.5

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2001
 EXP: 6070
 1999 OFCC REED CANARY

YIELD (kg DM/ha)

CULTIVARS	CODE	C-1	C-2	TOTAL
VANTAGE	5011	4160	3464	7624
PALATON	5013	3576	3094	6670
VENTURE	5016	3368	3221	6589
CHIEFTON	5027	3425	3090	6515
MEAN		3632	3217	6850
C.V. %		9.72	6.20	6.52
F		*	ns	*
L.S.D.5%		564	319	714

ONTARIO
 Elora
 Reed Canarygrass 2000
 Expt. 2785
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
5011	VANTAGE	6142	3374	9515
5013	PALATON	5820	3192	9012
5016	VENTURE	5652	3012	8663
5027	CHIEFTON	5999	3103	9103
900	Mean	5903	3170	9073
901	CV	9.1	7.4	7.2
905	MCV	11.8	9.6	9.4
902	LSD	695.4	305.3	849.2
906	LSR	141.9	84.4	99.7
907	Pr>F(Trts)	0.6156	0.2322	0.3840
908	R_square	46.9	49.9	48.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Lisheard
 Reed Canary 2000
 Expt. 200012
 Seeded 2000

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
5011	VANTAGE	6312	6312
5013	PALATON	7267	7267
5016	VENTURE	6932	6932
5027	CHIEFTON	6869	6869
900	Mean	6845	6845
901	CV	8.9	8.9
905	MCV	11.6	11.6
902	LSD	790.6	790.6
906	LSR	82.9	82.9
907	Pr>F(Trts)	0.2391	0.2391
908	R_square	66.4	66.4

RCBD arrangement, 4 blocks {1234}

KAPUSKASING 2001
 EXP: 6071
 2000 OFCC REED CANARY

YIELD (kg DM/ha)

CULTIVARS	CODE	C-1	C-2	TOTAL
PALATON	5013	4457	2380	6837
VANTAGE	5011	4452	2268	6719
VENTURE	5016	4065	1646	5711
CHIEFTON	5027	4605	2461	7066
MEAN		4395	2189	6584
C.V. %		10.6	11.09	8.96
F		ns	**	*
L.S.D.5%		707	388	943

ONTARIO
 Pakenham
 Reed Canary Reg A
 Expt. 3163
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
5011	VANTAGE	5153	1382	6535
5013	PALATON	5612	1402	7014
5016	VENTURE	5520	1201	6721
5027	CHIEFTON	5469	1385	6854
900	Mean	5439	1342	6781
901	CV	5.8	26.1	7.5
905	MCV	7.5	33.8	9.7
902	LSD	407.9	453.9	660.4
906	LSR	88.8	225.5	137.8
907	Pr>F(Trts)	0.2550	0.8297	0.6129
908	R_square	55.8	36.6	50.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Tall Fescue 97
 Expt. 7277
 Seeded 1997

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	Tot99	Tot98	4yrTot
		Cut 1	Cut 2					
5025	FUEGO	1500	1006	2506	5887	6585	6731	21709
5026	TF8805	2536	943	3479	6594	7220	7825	25118
5519	FESTORINA	1996	787	2783	5748	6443	7140	22113
5523	COURTENAY	2885	1303	4188	6929	8135	7386	26639
5526	KOKANEE	2193	1368	3560	6448	7415	7333	24756
5527	MONTEBELLO	2408	1189	3598	6099	7238	7751	24685
900	Mean	2253	1099	3352	6284	7173	7361	24170
901	CV	9.1	9.2	6.6	6.2	7.6	9.1	5.4
905	MCV	11.2	11.4	8.2	7.7	9.4	11.3	6.6
902	LSD	253.1	124.8	275.2	484.4	675.2	834.4	1607.0
906	LSR	18.3	21.5	16.4	41.0	39.9	76.3	32.6
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0053	0.0067	0.2675	0.0006
908	R_square	89.6	86.9	91.8	64.3	76.4	71.7	82.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6214
 1998 OFCC TALL FESCUE TRIAL

		YIELD (kg DM/ha)		
CULTIVARS	CODE	Cut 1	Cut 2	TOTAL
COURTENAY	5523	4579	2423	7002
KOKANEE	5526	4219	2126	6345
MONTEBELLO	5527	3597	2037	5634
TF_8805	5026	3658	1972	5630
FUEGO	5025	3390	2061	5451
FESTORINA	5519	3440	1932	5372
MEAN		3814	2092	5906
C.V. %		11.6	10.8	9.46
F		**	ns	**
L.S.D.5%		667	341	842

ONTARIO
 Thunder Bay
 Tall Fescue 1999
 Expt. 7287
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
5028	TF9201	2855	1269	4124	9316	13440
5519	FESTORINA	2742	987	3729	8186	11915
5523	COURTENAY	3701	1272	4974	8340	13314
5526	KOKANEE	3023	1598	4621	9182	13803
5527	MONTEBELLO	2418	1285	3702	8904	12606
900	Mean	2948	1282	4230	8786	13016
901	CV	12.2	8.6	8.8	7.8	5.6
905	MCV	15.3	10.9	11.1	9.8	7.1
902	LSD	452.1	139.7	471.2	863.8	918.2
906	LSR	35.2	22.9	37.1	76.5	48.6
907	Pr>F(Trts)	0.0039	0.0001	0.0015	0.1366	0.0224
908	R_square	76.5	84.8	80.7	46.9	69.5
RCBD arrangement, 4 blocks {1234}						

ONTARIO
 Elora
 Tall Fescue Reg Trial A
 Expt. 2772
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
5028	TF9201	7876	3000	10876	11652	22528
5519	FESTORINA	5723	2512	8235	10647	18882
5523	COURTENAY	5564	3075	8638	10599	19238
5526	KOKANEE	8888	3312	12200	9834	22034
5527	MONTEBELLO	5528	2748	8276	10393	18669
900	Mean	6716	2929	9645	10625	20270
901	CV	5.7	7.8	5.7	4.2	4.4
905	MCV	7.1	9.8	7.1	5.3	5.6
902	LSD	480.0	287.0	687.9	562.0	1135.4
906	LSR	14.3	35.9	17.4	30.9	29.4
907	Pr>F(Trts)	0.0000	0.0033	0.0000	0.0016	0.0001
908	R_square	95.9	72.0	93.7	76.5	85.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Tall Fescue 2000
 Expt. 2786
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
5026	SELECT	7401	2622	10023
5028	TF9201	6667	3457	10123
5029	CAS-EA30	6987	2907	9894
5516	PHYTER	6532	3602	10134
5523	COURTENAY	6337	3639	9977
5526	KOKANEE	5927	3879	9805
5527	MONTEBELLO	6376	3396	9772
900	Mean	6604	3357	9961
901	CV	6.0	7.7	5.7
905	MCV	7.3	9.4	7.0
902	LSD	484.8	316.1	697.5
906	LSR	32.9	25.2	193.0
907	Pr>F (Trts)	0.0016	0.0000	0.9490
908	R_square	72.8	81.2	46.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue 2000
 Expt. 200013
 Seeded 2000

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
5026	SELECT	6319	6319
5028	TF9201	7354	7354
5029	CAS-EA30	7158	7158
5523	COURTENAY	8476	8476
5526	KOKANEE	7235	7235
5527	MONTEBELLO	7135	7135
900	Mean	7279	7279
901	CV	8.3	8.3
905	MCV	10.3	10.3
902	LSD	751.5	751.5
906	LSR	34.8	34.8
907	Pr>F(Trts)	0.0058	0.0058
908	R_square	64.8	64.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6215
 2000 OFCC TALL FESCUE TRIAL

YIELD (kg DM/ha)				
CULTIVARS	CODE	Cut 1	Cut 2	TOTAL
COURTENAY	5523	5309	1974	7283
KOKANEE	5526	4059	1846	5905
MONTEBELLO	5527	4290	1766	6056
TF_8805	5026	4334	1259	5594
TF_9201	5028	4288	2045	6333
CAS-EA30	5029	4198	1318	5516
MEAN		4413	1701	6114
C.V. %		9.83	12.28	8.57
F		*	**	**
L.S.D.5%		654	315	790

ONTARIO
 KAPUSKASING 2001
 EXP: 6143
 1997 OFCC EARLY TIMOTHY

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
TORO	6030	3253	1816	5069
LISCHKA	6137	2791	1628	4415
COLT	6123	2699	1664	4363
RICHMOND	6050	2789	1470	4259
NIKE	6087	2766	1238	4004
TIMFOR	6040	2761	1127	3888
TM_8901	6134	2541	1194	3735
CHAMP	6005	2751	842	3593
GLENMOR	6074	2058	1184	3342
BASHO	6009	2446	705	3151
MEAN		2685	1286	3971
C.V. %		11.7	17.2	11.4
F		**	**	**
L.S.D.5%		459	322	661

ONTARIO
 Thunder Bay
 Early Timothy
 Expt. 7285
 Seeded 1998

Code	Cultivar	2001 (kg/ha)		Tot00	Tot99	3yrTot
		Cut 1	Tot01			
6005	CHAMP	3051	3051	6750	7188	16989
6009	BASHO	3328	3328	6991	7314	17633
6030	TORO	3421	3421	7009	7371	17802
6040	TIMFOR	3805	3805	7178	7436	18420
6050	RICHMOND	3778	3778	7104	7508	18390
6074	GLENMORE	3292	3292	6590	6758	16639
6123	COLT	3551	3551	7259	6987	17797
6137	TITAN	3645	3645	7383	7190	18218
6140	TM9501	3350	3350	6931	7782	18064
6141	SW_TT9151	3775	3775	6930	7266	17971
6142	SW_TT2509	3787	3787	7248	7121	18157
6143	T-79	3833	3833	6849	7111	17794
6144	PS_45-214	3372	3372	6795	7373	17540
900	Mean	3538	3538	7001	7262	17801
901	CV	6.5	6.5	5.3	4.0	3.4
905	MCV	7.7	7.7	6.4	4.8	4.1
902	LSD	274.1	274.1	446.4	350.0	723.5
906	LSR	35.0	35.0	56.3	34.2	40.6
907	Pr>F(Trts)	0.0001	0.0001	0.1682	0.0051	0.0058
908	R_square	67.2	67.2	48.3	72.2	60.6
RCBD arrangement, 4 blocks {1234}						

ONTARIO
 Elora
 Timothy Reg Early
 Expt. 2773
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
6030	TORO	5723	1378	7101	10288	17390
6050	RICHMOND	6311	1371	7682	10455	18137
6140	TM9501	5948	1212	7160	10113	17273
6141	SW_TT9151	4970	1166	6136	9031	15167
6142	SW_TT2509	4925	1149	6074	9080	15154
6143	T-79	4988	1063	6052	9018	15070
6144	PS_45-214	5698	1371	7069	10140	17209
6145	NOV10	4625	1152	5777	9327	15105
6146	LOTI_9501	4112	928	5041	8346	13387
6147	LOTI_9502	4128	977	5105	8145	13250
6148	CLASSIC	4394	1008	5402	8039	13441
6149	GRINDSTAD	5516	1254	6770	9404	16174
900	Mean	5112	1169	6281	9282	15563
901	CV	7.8	10.9	6.9	4.6	4.5
905	MCV	9.4	13.1	8.2	5.5	5.4
902	LSD	480.4	153.5	516.4	510.3	846.1
906	LSR	21.9	34.1	19.6	21.1	17.3
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0000	0.0000
908	R_square	82.6	68.9	85.1	85.0	88.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Timothy 2000 - Early
 Expt. 2791
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
6009	BASHO	6740	2350	9090
6030	TORO	6851	2503	9354
6040	TIMFOR	6338	2266	8604
6050	RICHMOND	7303	2433	9736
6123	COLT	6529	2446	8975
6145	NOV10	6223	2197	8420
6146	LOTI_9501	5905	1849	7754
6147	LOTI_9502	5983	1700	7682
6148	CLASSIC	6134	2080	8215
6149	GRINDSTAD	6945	2179	9124
900	Mean	6495	2200	8695
901	CV	5.1	10.4	5.2
905	MCV	6.2	12.5	6.2
902	LSD	402.7	274.9	542.9
906	LSR	28.8	34.2	26.4
907	Pr>F(Trts)	0.0000	0.0004	0.0000
908	R_square	71.7	64.7	75.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Early Timothy 2000
 Expt. 200014
 Seeded 2000

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
6009	BASHO	7875	7875
6030	TORO	5474	5474
6040	TIMFOR	6160	6160
6050	RICHMOND	5275	5275
6123	COLT	6175	6175
6145	NOV10	7737	7737
6146	LOTI_9501	8072	8072
6147	LOTI_9502	8984	8984
6148	CLASSIC	5641	5641
6149	GRINDSTAD	5876	5876
900	Mean	6727	6727
901	CV	12.6	12.6
905	MCV	15.2	15.2
902	LSD	1024.4	1024.4
906	LSR	27.6	27.6
907	Pr>F(Trts)	0.0000	0.0000
908	R_square	76.7	76.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6148
 2000 OFCC EARLY TIMOTHY

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
BASHO	6009	5292	1194	6486
CLASSIC	6148	5289	605	5894
COLT	6123	4926	1218	6144
LOTI9501	6146	5727	1011	6738
LOTI9502	6147	5191	781	5972
NOV10	6145	5794	1059	6853
RICHMOND	6050	5802	1546	7348
TIMFOR	6040	5393	1135	6528
TORO	6030	5260	1447	6706
GRINDSTAD	6149	5833	1192	7025
MEAN		5451	1119	6570
C.V. %		6.78	15.5	7.15
F		**	**	**
L.S.D.5%		536	251	681

ONTARIO
 Thunder Bay
 Late Timothy 97
 Expt. 7278
 Seeded 1997

Code	Cultivar	2001 (kg/ha)		Tot00	Tot99	Tot98	4yrTot
		Cut 1	Tot01				
6002	CLIMAX	5765	5765	5962	6366	5512	23605
6026	ITASCA	5996	5996	6235	6382	5501	24113
6066	NORMAX	5844	5844	6070	6473	5796	24183
6075	WINMOR	5130	5130	5650	5681	5493	21954
6081	MARIPOSA	5909	5909	6310	6193	5533	23946
6086	ALEXANDER	5276	5276	5872	6186	5681	23015
6095	ARGUS	5189	5189	6181	6178	5893	23441
6097	CAROLA	5907	5907	5769	6053	5198	22928
6116	SAGUENAY	5346	5346	5681	5719	6063	22809
6135	TIA	5700	5700	5250	5304	5098	21352
6136	TM8902	6007	6007	6274	6706	5072	24059
6138	AURORA	5238	5238	6037	6022	5365	22661
6139	VEGA	5779	5779	5528	5217	4765	21289
900	Mean	5622	5622	5909	6037	5459	23027
901	CV	6.8	6.8	6.0	6.0	7.2	4.2
905	MCV	8.2	8.2	7.2	7.2	8.7	5.1
902	LSD	458.5	458.5	428.1	435.9	474.4	1173.6
906	LSR	52.3	52.3	40.4	29.3	36.5	40.6
907	Pr>F(Trts)	0.0051	0.0051	0.0031	0.0000	0.0025	0.0004
908	R_square	59.0	59.0	54.9	69.8	65.5	61.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Late Timothy
 Expt. 7286
 Seeded 1998

Code	Cultivar	2001 (kg/ha)		Tot00	Tot99	3yrTot
		Cut 1	Tot01			
6002	CLIMAX	5062	5062	7819	7417	20299
6026	ITASCA	5334	5334	7470	7405	20209
6066	NORMAX	4692	4692	7128	7316	19136
6081	MARIPOSA	5481	5481	7752	7832	21065
6086	ALEXANDER	5177	5177	7081	7506	19764
6095	ARGUS	4898	4898	7284	7346	19527
6097	CAROLA	5169	5169	7099	7336	19605
6102	DYNASTY	5132	5132	7527	7164	19822
6138	AURORA	5078	5078	7326	7718	20123
6139	VEGA	5316	5316	6993	7002	19311
900	Mean	5134	5134	7348	7404	19886
901	CV	8.0	8.0	4.9	5.5	3.9
905	MCV	9.7	9.7	5.9	6.6	4.7
902	LSD	496.0	496.0	436.5	490.1	941.0
906	LSR	62.9	62.9	52.9	59.0	48.8
907	Pr>F(Trts)	0.3382	0.3382	0.0308	0.2292	0.0698
908	R_square	37.0	37.0	49.5	37.3	41.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6145
 1998 OFCC LATE TIMOTHY

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
NORMAX	6066	4828	2079	6907
SAGUENAY	6116	5071	1769	6840
MARIPOSA	6081	5064	1727	6791
ITASCA	6026	5206	1556	6762
ALEXANDER	6086	4648	1812	6460
CLIMAX	6002	4780	1677	6457
AURORA	6138	4726	1708	6434
DYNASTY	6102	4734	1597	6331
CAROLA	6097	4740	1534	6274
VEGA	6139	5015	1107	6122
ARGUS	6095	4399	1329	5728
MEAN		4837	1627	6464
C.V. %		9.93	18.0	10.7
F		ns	**	ns
L.S.D.5%		694	423	1000

ONTARIO
 Elora
 Timothy Reg Late
 Expt. 2774
 Seeded 1999

Code	Cultivar	2001 (kg/ha)		Tot01	Tot00	2yrTot
		Cut 1	Cut 2			
6002	CLIMAX	6212	599	6811	10169	16980
6026	ITASCA	5670	470	6140	10757	16897
6097	CAROLA	6543	548	7091	9624	16716
6102	DYNASTY	5834	678	6512	10031	16543
6116	SAGUENAY	6341	458	6800	9779	16579
6150	BOR_94301	6021	451	6472	9833	16305
6151	SF8903	6182	441	6622	10359	16981
900	Mean	6115	521	6636	10079	16714
901	CV	11.6	33.6	12.8	9.3	9.9
905	MCV	14.2	41.1	15.7	11.5	12.1
902	LSD	870.0	214.3	1043.6	1154.1	2029.3
906	LSR	99.7	90.2	109.7	101.9	299.9
907	Pr>F(Trts)	0.6492	0.4102	0.7945	0.6679	0.9950
908	R_square	59.5	39.4	45.5	22.2	23.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Timothy 2000 - Late
 Expt. 2792
 Seeded 2000

Code	Cultivar	2001 (kg/ha)		
		Cut 1	Cut 2	Tot01
6002	CLIMAX	8623	1337	9960
6026	ITASCA	8429	1274	9703
6066	NORMAX	7601	1425	9026
6081	MARIPOSA	7823	1205	9027
6086	ALEXANDER	8248	1508	9756
6095	ARGUS	8511	1193	9705
6097	CAROLA	8379	1349	9728
6102	DYNASTY	8296	1556	9852
6116	SAGUENAY	8885	1299	10184
6150	BOR_94301	8025	1158	9183
6151	SF8903	8969	1323	10291
6154	SF8904	8796	1155	9951
900	Mean	8382	1315	9697
901	CV	6.5	13.9	6.2
905	MCV	7.8	16.7	7.5
902	LSD	657.0	219.1	723.1
906	LSR	48.0	54.7	57.1
907	Pr>F (Trts)	0.0298	0.0548	0.0730
908	R_square	44.6	46.7	41.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Late Timothy 2000
 Expt. 200015
 Seeded 2000

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
6002	CLIMAX	7494	7494
6026	ITASCA	8223	8223
6066	NORMAX	8406	8406
6081	MARIPOSA	7382	7382
6086	ALEXANDER	8655	8655
6095	ARGUS	8447	8447
6097	CAROLA	8503	8503
6102	DYNASTY	8172	8172
6116	SAGUENAY	8730	8730
6150	BOR_94301	8166	8166
6151	SF8903	8740	8740
6154	SF8904	8827	8827
900	Mean	8312	8312
901	CV	11.8	11.8
905	MCV	14.1	14.1
902	LSD	1172.4	1172.4
906	LSR	81.2	81.2
907	Pr>F(Trts)	0.5427	0.5427
908	R_square	26.4	26.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 KAPUSKASING 2001
 EXP: 6147
 2000 OFCC LATE TIMOTHY

YIELD (kg DM/ha)

CULTIVARS	CODE	CUT 1	CUT 2	TOTAL
ALEXANDER	6086	6397	1939	8336
ARGUS	6095	6787	1916	8703
BOR_94301	6150	6150	2124	8274
CAROLA	6097	6281	1333	7614
CLIMAX	6002	6499	1933	8433
DYNASTY	6102	6332	2156	8488
ITASCA	6026	6312	1363	7675
MARIPOSA	6081	5900	1879	7779
NORMAX	6066	5910	2319	8229
SAQUENAY	6116	6629	1644	8273
SF_8903	6151	6446	1846	8292
SF_8904	6154	6185	1488	7673
MEAN		6320	1828	8147
C.V. %		5.99	10.44	4.71
F		*	**	**
L.S.D.5%		545	275	0

ONTARIO
 New Liskeard
 Annual ryegrass 2001
 Expt. 200110
 Seeded 2001

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
8502	MARIS_LEDGER	1183	1183
8506	BARSPECTRA_W	1538	1538
8510	NSCL_30_WR	1547	1547
8511	FREDRIK	1352	1352
8512	BARSPIRIT	2036	2036
900	Mean	1531	1531
901	CV	18.4	18.4
905	MCV	23.2	23.2
902	LSD	354.6	354.6
906	LSR	41.5	41.5
907	Pr>F(Trts)	0.0119	0.0119
908	R_square	65.7	65.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Huron Park
 Annual Ryegrass Test 2001
 Expt. 15058
 Seeded 2001

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
8502	MARIS_LEDGER	2569	2569
8506	BARSPECTRA_W	3081	3081
8510	NSCL_30_WR	3360	3360
8511	FREDRIK	2753	2753
900	Mean	2941	2941
901	CV	32.7	32.7
905	MCV	42.4	42.4
902	LSD	1246.4	1246.4
906	LSR	157.6	157.6
907	Pr>F(Trts)	0.6745	0.6745
908	R_square	20.9	20.9

RCBD arrangement, 4 blocks {1234}

OFCC ANNUAL				
LOCATION:	Thunder Bay			
PLANTING DATE:	May 9, 2001			
FERTILIZER:	0-46-0 @ 43 kg/ha			
	0-0-62 @ 32 kg/ha			
	34-0-0 @ 206 kg/ha preplant and @ 103 kg/ha after 1st & 2nd cut			
HERBICIDE:	Banvel @ 275 ml/ha + 2,4-D @ 750 ml/ha June 4			
HARVEST DATES:	July 11, August 10 and September 10			
	-----YIELD (kg/ha) -----			

<u>VARIETY</u>	<u>CUT 1</u>	<u>CUT 2</u>	<u>CUT 3</u>	<u>TOTAL</u>
NSCL 30	1770	2662	1618	6050
Barspectra	1618	2431	1520	5569
Maris Ledger	883	2403	1793	5079
Fredrik	767	2306	1798	4871
MEAN	1260	2451	1682	5392
C.V.	17.39%	5.76%	8.90%	6.77%
PR>F	0.0002	0.0331	0.0694	0.0058
LSD (0.05)	350.5	225.8	NS	583.8

KAPUSKASING - 2001

Experiment: 6776 Dry Matter YIELD Report

2001 OFCC ANNUAL RYEGRASS TRIAL / Yield (kg DM/ ha)

CULTIVARS	Cut # 1	Cut # 2	Cut # 3	Total
MARIS LEDGER	1533	1054	2513	5099
BARSPECTRA	1990	1444	2537	5970
NSCL 30	2252	1486	2588	6326
FREDRIK	1594	818	2337	4750
MEAN/MOYENNE	1842	1201	2494	5537
	1	2	3	Total
C.V. (%):	10.15	11.1	15.18	7.5
F:	**	**	ns	**
L.S.D. (5%):	299	213	605	664
Date of Harvest	2001/07/11	2001/08/02	2001/09/06	

Date:

Comments: Harvested when Barspectra is 50% headed and at every 3-5 week intervals.

ONTARIO
 Kemptville
 Annual Ryegrass 2001
 Expt. 3172
 Seeded 2001

Code	Cultivar	2001 (kg/ha)		Tot01
		Cut 1	Cut 2	
8502	MARIS_LEDGER	2055	513	2568
8506	BARSPECTRA_W	2043	382	2425
8510	NSCL_30_WR	2273	424	2697
8511	FREDRIK	1761	224	1984
8512	BARSPIRIT	2230	419	2649
900	Mean	2073	392	2465
901	CV	7.3	34.5	9.0
905	MCV	9.2	43.4	11.3
902	LSD	191.3	170.3	278.6
906	LSR	37.3	58.9	39.1
907	Pr>F(Trts)	0.0037	0.1025	0.0045
908	R_square	93.2	47.9	89.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Annual Forage Test
 Expt. 200105
 Seeded 2001

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
7504	TRAPPER/RIGO	3481	3481
7509	RIGODON	3586	3586
7512	TRAPPER	2169	2169
7519	RG_003	3299	3299
7530	LEGER	2897	2897
7533	WHERO	1949	1949
900	Mean	2897	2897
901	CV	9.0	9.0
905	MCV	11.2	11.2
902	LSD	324.8	324.8
906	LSR	19.8	19.8
907	Pr>F(Trts)	0.0000	0.0000
908	R_square	91.2	91.2

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Huron Park
 Annual Cereal Forage Trial
 Expt. 15059
 Seeded 2001

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
7504	TRAPPER/RIGO	8048	8048
7509	RIGODON	8649	8649
7512	TRAPPER	4735	4735
7519	RG_003	7584	7584
7530	LEGER	7374	7374
7533	WHERO	5618	5618
900	Mean	7001	7001
901	CV	14.4	14.4
905	MCV	17.9	17.9
902	LSD	1253.1	1253.1
906	LSR	32.0	32.0
907	Pr>F(Trts)	0.0005	0.0005
908	R_square	79.6	79.6

RCBD arrangement, 4 blocks {1234}

LOCATION:	Thunder Bay	
PLANTING DATE:	May 9, 2001	
FERTILIZER:	0-46-0 @ 43 kg/ha	
	0-0-62 @ 32 kg/ha	
	34-0-0 @ 132 kg/ha	
HERBICIDE:	Tropotox Plus @ 3.5 L/ha June 4	
	YIELD	HEIGHT
<u>TREATMENT</u>	<u>(kg/ha)</u>	<u>(cm)</u>
Sommerville barley	4386	80
Leger barley	4182	80
Rigodon oat	4005	69
Rigodon/Trapper	3805	77
Whero pea	1940	75
Trapper pea	1510	78
MEAN	3305	77
C.V.	13.89%	5.53%
PR>F	0.0000	0.0202
LSD(0.05)	691.9	6.394

RAFOSTRADING 2001
Experiment: 777
Annual Forage

Dry Matter YIELD Report
2001

Yield (kg DM/ ha)

CULTIVARS	Cut # 1	Total
RIGODON	9008	9008
RIGODON/TRAPPER	9037	9037
LEGER	8963	8963
SUMMERVILLE	8840	8840
WHERO	6366	6366
TRAPPER	5787	5787
MEAN	8000	8000
C.V. (%) :	8.06	
F:	**	
L.S.D. (5%) :	972	

Date of Harvest

2001/07/18

Kemptville
 Annual Cereal Forage 2001
 Expt. 3168
 Seeded 2001

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
7504	TRAPPER/RIGO	6284	6284
7509	RIGODON	5723	5723
7512	TRAPPER	4601	4601
7519	RG_003	5025	5025
7530	LEGER	5249	5249
7533	WHERO	4892	4892
900	Mean	5296	5296
901	CV	6.9	6.9
905	MCV	8.6	8.6
902	LSD	453.9	453.9
906	LSR	27.0	27.0
907	Pr>F(Trts)	0.0001	0.0001
908	R_square	81.4	81.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Winchester
 Annual Cereal Forage 2001
 Expt. 3169
 Seeded 2001

Code	Cultivar	2001 (kg/ha)	
		Cut 1	Tot01
7504	TRAPPER/RIGO	6056	6056
7509	RIGODON	5030	5030
7512	TRAPPER	4604	4604
7519	RG_003	4654	4654
7530	LEGER	4909	4909
7533	WHERO	4620	4620
900	Mean	4979	4979
901	CV	9.1	9.1
905	MCV	11.3	11.3
902	LSD	560.7	560.7
906	LSR	38.6	38.6
907	Pr>F(Trts)	0.0031	0.0031
908	R_square	70.5	70.5

RCBD arrangement, 4 blocks {1234}

Heading Dates, Elora 2001

Name	Code	Heading Date
Timothy		
RICHMOND	6050	June 7
TORO	6030	June 7
GRINDSTAD	6149	June 10
CLASSIC	6148	June 13
LOTI 9501	6146	June 11
NOV10	6145	June 12
LOTI 9502	6147	June 11
SF8903	6151	June 14
SF8904	6154	June 13
ITASCA	6026	June 10
CLIMAX	6002	June 8
BOR 94301	6150	June 12
Tall Fescue		
COURTENAY	5523	June 16
TF9201	5028	May 29
CAS-EA30	5029	May28
Reed Canary		
PALATON	5013	June 6
CHIEFTON	5027	June 6
Orchardgrass		
BENCHMARK	3075	May 18
HAKA	3104	May 22
KAY	3003	May 22
Bromegrass		
CAS-Z 11	2059	May 24
BAYLOR	2001	May 24
PEAK	2060	May 24
LOBF9201	2061	May 24
BOSIR	2062	June 7
HAKARI	2063	June 7
PADDOCK	2054	May 18
FLEET	2057	May 18