

ONTARIO FORAGE CROP INVESTIGATIONS



2004 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

REPORT ON FORAGE CROPS TRIALS
ONTARIO FORAGE CROP COMMITTEE

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Conducted co-operatively by:

University of Guelph
Ontario Ministry of Agriculture and Food
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This is the 2004 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***Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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. John Madill).

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ONTARIO
 Elora
 OFCC Alfalfa yield test
 Expt. 2808
 Seeded 2003

		2004 (kg/ha)			
Code	Cultivar	Cut 1	Cut 2	Cut 3	Tot04
1244	GH777	5268	2290	1676	9248
1298	5312	5473	2301	1401	9176
1325	MAGNUM_IV	6006	2548	1814	10499
1409	ZG9346	5764	2253	1539	9435
1416	RENAISSANCE	5586	2485	1829	9867
1462	RHINO	5751	2450	1735	9873
1474	GENEVA	5561	2830	2061	10517
1475	NK711MF	5394	2879	1937	10190
1504	PICKSD2065MF	5244	2523	1802	9697
1527	MACON	5491	2617	1839	10045
1579	ASCEND	5706	2781	1959	10491
1581	54Q25	6121	2646	1876	10677
1582	54V46	5469	3046	2196	10698
1584	54H91	5637	2701	1761	10087
1592	DURAGREEN	5420	2533	1603	9558
1593	DS328	5091	2901	2042	9986
1594	DS329	5742	2613	1882	10226
1595	DS330	5532	2818	2007	10383
1596	SWLU_8407	5324	2533	1778	9664
1598	X54H11	5546	2501	1818	9791
1599	WL319HQ	5016	2799	1862	9640
1600	4_2	5051	2761	2033	9810
1601	FSG300LH	5433	2699	1833	9922
900	Mean	5495	2634	1840	9970
901	CV	7.4	5.8	7.1	5.1
907	Pr>F(Trts)	0.0621	0.0001	0.0001	0.0011
908	R_square	64.7	80.4	82.5	63.3

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

ONTARIO
 New Liskeard
 Alfalfa Registration 2003
 Expt. 3001
 Seeded 2003

Code	Cultivar	2004 (kg/ha)		
		Cut 1	Cut 2	Tot04
1298	5312	6240	4004	10294
1325	MAGNUM_IV	5834	4337	10125
1581	54Q25	5732	4672	10575
1582	54V46	5999	4515	10557
1593	DS328	5683	4480	10181
1594	DS329	5565	4398	9788
1595	DS330	6298	4478	10821
1596	SWLU_8407	6320	4368	10689
1598	X54H11	5973	4563	10429
900	Mean	5960	4424	10384
901	CV	7.0	6.2	4.7
905	MCV	8.6	7.6	5.7
902	LSD	510.1	334.8	595.8
906	LSR	67.6	50.1	57.7
907	Pr>F(Trts)	0.3448	0.1395	0.3301
908	R_square	50.2	51.1	60.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Huron Park
 Alfalfa Registration
 Expt. 5063
 Seeded 2003

Code	Cultivar	2004 (kg/ha)			Tot04
		Cut 1	Cut 2	Cut 3	
1298	5312	4916	3846	2822	11870
1325	MAGNUM_IV	5153	4141	3183	12438
1579	ASCEND	5425	4017	3188	12360
1584	54H91	5495	4015	3203	12755
1592	DURAGREEN	4734	4328	3374	11949
1598	X54H11	5277	4096	2512	12182
1599	WL319HQ	5286	4368	3518	12842
1600	CW84017	5336	4080	3083	13004
900	MEAN	5203	4112	3110	12425
901	CV	10.6	12.2	7.2	5.9
905	MCV	12.9	14.9	8.8	7.2
902	LSD	672.4	614.3	273.3	896.1
906	LSR	88.3	117.6	27.2	79.0
907	PR>F (TRTS)	0.5920	0.8517	0.0002	0.3320

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

ONTARIO
 Elora
 Ofcc Alfalfa Trial A
 Expt. 2804
 Seeded 2002

Code	Cultivar	2004 (kg/ha)			Tot04	Tot03	2yrTot
		Cut 1	Cut 2	Cut 3			
1298	5312	3601	2844	1309	7831	11098	18944
1325	MAGNUM_IV	4110	3683	2113	9796	11178	21068
1432	OAC MUSTANG	4371	4014	2191	10498	12041	22587
1466	A3294	3772	3179	1778	8720	11435	20255
1467	A3494	3917	3090	1443	8470	11846	20312
1579	ASCEND	4260	3940	2269	10415	12176	22464
1580	3M49	4039	3892	1990	10005	10750	20871
1581	54Q25	3954	3728	1942	9592	11237	20699
1582	54V46	4013	3963	2287	10266	11876	22172
1583	55V05	3872	3287	1804	9064	11093	20050
1584	54H91	3764	3144	1589	8438	11965	20374
1585	DAKOTA	3933	3803	2413	10180	12057	22319
1586	CK2000	4248	3632	1920	9794	11816	21528
1587	DS9809	4128	3801	2026	9974	11786	21770
1588	DS015	4201	3664	1973	9864	11783	21588
1589	DS231	4267	3679	2157	10157	12057	22152
1590	DS232	4023	3739	2204	9953	12460	22425
1591	A3300	3993	3139	1548	8625	10899	19619
900	Mean	4026	3568	1942	9536	11642	21178
901	CV	8.2	7.7	11.7	7.5	5.9	5.9
905	MCV	9.7	9.2	14.0	8.9	7.1	7.0
902	LSD	391.5	327.2	271.7	853.3	823.8	1492.2
906	LSR	50.9	28.0	24.6	32.0	48.2	41.0
907	Pr>F(Trts)	0.1686	0.0000	0.0000	0.0000	0.0307	0.0015
908	R_square	59.5	76.5	83.6	74.4	81.0	74.0

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

ONTARIO
 New Liskeard
 Alfalfa registration test
 Expt. 200203
 Seeded 2002

Code	Cultivar	2004 (kg/ha)		Tot04	Tot03	2yrTot
		Cut 1	Cut 2			
1298	5312	7108	4061	11099	11419	22582
1325	MAGNUM_IV	6609	4225	10832	10853	21695
1432	OAC_MUSTANG	6990	4194	11110	11092	22233
1466	A3294	6513	3794	10237	11374	21607
1467	A3494	7266	3735	10948	11994	22914
1581	54Q25	6141	3685	9980	10113	20042
1582	54V46	6500	4448	10802	10955	21798
1583	55V05	6667	4141	10824	10935	21809
1587	DS9809	7123	4054	11327	11236	22504
1588	DS015	6552	3831	10173	11533	21753
1589	DS231	6659	3784	10503	10763	21239
1590	DS232	6741	3849	10803	10714	21515
1591	A3300	6626	4062	10719	10159	20806
900	Mean	6730	3989	10720	11011	21730
901	CV	7.0	7.9	5.4	5.3	3.8
905	MCV	8.4	9.4	6.5	6.4	4.5
902	LSD	562.3	376.7	696.5	699.8	978.0
906	LSR	50.0	49.3	51.7	37.2	34.1
907	Pr>F(Trts)	0.0978	0.0425	0.0933	0.0037	0.0024
908	R_square	62.5	77.5	77.5	68.1	80.2

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

ONTARIO
 Elora
 Registration Trial A
 Expt. 2794
 Seeded 2001

Code	Cultivar	2004 (kg/ha)			Tot04	Tot03	Tot02	3yrTot
		Cut 1	Cut 2	Cut 3				
1001	SARANAC	3410	2008	942	6411	10147	9995	26595
1298	5312	3748	2206	962	6888	10627	10408	27985
1325	MAGNUM_IV	3881	2726	1410	8100	11067	10757	30063
1529	VALUEPLUS1	4006	2996	1572	8548	11052	10638	30298
1530	3R58	3999	3231	1734	8963	11068	10465	30532
1531	INTRIGUE	3829	3139	1628	8594	10873	10101	29479
1534	A9502	3563	2457	1118	7147	10844	10365	28314
1535	RELIANCE	4268	3473	1840	9599	11165	10225	31033
1536	X787	3806	2983	1677	8426	10796	10456	29627
1537	X688	4134	3085	1574	8822	10498	10439	29756
1538	DS025	3541	1936	936	6377	10253	9796	26539
1539	DS026	3790	2698	1315	7767	10657	10046	28420
1540	5301ML	3453	1787	747	5947	10355	9921	26122
1541	TMF_MULT_III	4187	3318	1926	9429	11322	10926	31758
1542	DS9810	4065	2855	1434	8363	11054	10297	29598
1543	ONEIDA_ULTRA	3607	2534	1274	7448	10193	9980	27644
1544	CW73038	3772	2773	1425	7950	11165	10100	29068
900	Mean	3827	2718	1383	7928	10773	10289	28990
901	CV	6.3	9.9	17.8	8.2	4.1	3.3	3.9
905	MCV	7.5	11.8	21.1	9.8	4.9	4.0	4.6
902	LSD	285.7	321.0	292.4	775.9	529.3	409.6	1334.0
906	LSR	33.3	19.0	24.8	21.2	45.0	36.3	23.7
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0000	0.0041	0.0010	0.0000
908	R_square	79.4	86.7	83.1	86.4	70.4	92.2	88.7

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

ONTARIO
 New Liskeard
 Alfafla Registration Test
 Expt. 200103
 Seeded 2001

Code	Cultivar	2004 (kg/ha)		Tot04	Tot03	Tot02	3yrTot
		Cut 1	Cut 2				
1001	SARANAC	5995	3625	9634	14493	10711	34458
1298	5312	6724	3671	10400	14101	9309	33630
1325	MAGNUM_IV	6659	3905	10540	15082	9445	35240
1361	ABUNDANCE	6994	4028	10962	14398	9156	34260
1419	54V54	6457	3904	10303	15196	9635	35339
1474	GENEVA	6589	3989	10710	14559	10573	35853
1475	NK711MF	6408	3948	10321	14583	10400	35208
1494	53Q60	6100	3557	9614	13648	8544	31683
1507	MAGNUM_V-WET	6376	3827	10158	14050	10735	34967
1529	VALUEPLUS1	6617	4265	10868	14462	9666	35195
1530	3R58	6754	4032	10837	15573	9762	36427
1531	INTRIGUE	6861	4045	10902	14555	9053	34768
1534	A9502	6553	3903	10394	13854	9760	33772
1535	RELIANCE	6591	3832	10448	14733	10223	35555
1536	X787	6744	4000	10683	14710	10104	35323
1537	X688	6417	4155	10671	15445	9997	35876
1538	DS025	6348	3776	10126	13785	9434	33621
1539	DS026	6765	3801	10535	15572	9070	35156
1540	5301ML	5895	3461	9306	11474	10168	31179
1541	TMF_MULT_III	7470	4341	11921	15402	11012	38213
1542	DS9810	6625	3998	10663	14951	10001	35379
1543	ONEIDA_ULTRA	6464	3856	10321	14043	10615	34877
1544	CW73038	6621	4017	10647	14672	9552	35247
900	Mean	6566	3910	10477	14493	9866	34836
901	CV	6.6	6.6	5.8	10.2	10.4	6.1
905	MCV	7.8	7.8	6.8	12.0	12.2	7.3
902	LSD	512.6	306.7	715.7	1738.3	1208.4	2530.1
906	LSR	32.5	34.9	27.4	42.4	49.0	36.0
907	Pr>F(Trts)	0.0071	0.0029	0.0005	0.1749	0.1056	0.0407
908	R_square	52.6	74.0	63.2	41.0	55.8	50.7

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

ONTARIO
Huron Park
Alfalfa Registration 2001
Expt. 5060
Seeded 2001

Code	Cultivar	2004 (kg/ha)			Tot04	Tot03	Tot02	3yrTot
		Cut 1	Cut 2	Cut 3				
1001	SARANAC	6749	4429	3145	14408	13799	11121	40018
1298	5312	6611	4511	2737	13941	11763	12532	38078
1325	MAGNUM_IV	6718	4169	2725	13881	12646	12592	39062
1419	54V54	6802	4147	2753	13467	12334	11580	37324
1494	53Q60	6764	4391	3102	14319	12374	11428	37677
1529	VALUEPLUS1	7455	3773	2571	13477	12309	10958	36946
1530	3R58	6269	4761	3022	14137	13510	12333	40080
1531	INTRIGUE	6676	3844	3180	13600	11907	11488	37488
1534	A9502	6263	4724	2663	13682	12075	10843	36092
1535	RELIANCE	7489	3544	2434	13401	12900	12084	38370
1536	X787	7563	3628	2745	13856	11327	10098	34897
1537	X688	7528	4139	2625	13638	12169	10452	36999
1538	DS025	7051	4511	3126	14460	12431	12766	39821
1539	DS026	6891	3646	2506	12854	13138	12144	38433
1540	5301ML	6539	4373	2417	13852	13101	10713	37885
1541	TMF_MULT_III	7085	5061	2589	15297	12033	10735	37135
1542	DS9810	6412	4579	3331	13898	12326	11670	38337
1543	ONEIDA_ULTRA	6885	4509	2660	14283	10831	10993	35727
1544	CW73038	6653	3767	3033	13325	13275	13280	40545
1576	M777	6457	5151	2969	15069	11494	9842	35322
900	MEAN	6843	4283	2817	13942	12387	11483	37812
901	CV	7.0	16.0	13.1	6.5	6.5	8.0	4.8
905	MCV	12.1	27.9	22.8	11.3	11.4	14.0	8.4
902	LSD	828.5	1193.1	642.7	1579.2	1411.2	1602.4	3165.8
906	LSR	63.7	74.2	70.3	64.7	47.5	46.6	56.0
907	PR>F (TRTS)	0.2219	0.7794	0.4705	0.8673	0.3475	0.0871	0.3901

RCBD arrangement, 2 blocks {23}
Nearest-neighbour covariance adjusted.

ONTARIO
 Elora
 Alfalfa Performance Trial
 Expt. 2802
 Seeded 2001

Code	Cultivar	2004 (kg/ha)			Tot04	Tot03	Tot02	3yrTot
		Cut 1	Cut 2	Cut 3				
1001	SARANAC	3728	2654	1062	7505	11523	9773	28600
1285	FORERUNNER	3897	3273	1660	8921	11856	9737	30799
1290	ACCEL	3875	2529	1067	7516	12054	9422	28725
1298	5312	3808	2329	851	7008	11532	9338	28040
1306	PROOF	3924	3257	1655	8879	11824	9805	30081
1324	HORNET	4021	2913	1256	8121	11840	9802	29716
1325	MAGNUM_IV	3990	2975	1521	8450	12265	10303	30995
1361	ABUNDANCE	4198	2882	1228	8288	12136	9532	29927
1362	DEEPKROWN	3991	3189	1468	8602	11666	9748	29811
1388	GOLD_PLUS_MF	3684	2699	1270	7579	11506	9550	28345
1419	54V54	3817	2942	1382	8066	12353	9814	30201
1474	GENEVA	4160	3274	1563	9067	12236	9859	30916
1475	NK711MF	4284	3235	1578	9017	11965	9749	30885
1494	53Q60	4023	2912	1152	8076	12026	9750	30064
1525	FORECAST_100	4065	3042	1502	8637	12329	9763	30985
1531	INTRIGUE	4162	3343	1665	9114	12038	10039	31360
1536	X787	3277	2136	834	6194	11202	9961	27383
1567	SX1001A	3691	2201	793	6658	11739	9920	28614
1568	SX1002A	3467	2257	1000	6675	11196	9499	27611
1569	SX1003A	3649	2655	1178	7458	11742	9470	28521
1570	SX1004A	3632	2514	1038	7194	10997	9317	27512
1571	SX1005A	3580	2358	867	6927	11395	9743	28285
1572	ZC9854A	4111	3043	1296	8553	11107	9174	28663
1573	AMERISTAND40	3927	2616	847	7419	11534	9164	28179
1574	NS0_M5	3683	2769	1144	7568	10887	9192	27341
1575	CIMARRON3I	3624	2392	836	6910	11890	9161	27721
1576	M777	3761	2761	1246	7723	10978	8849	27634
1577	STARBUCK	3950	3132	1532	8627	11111	10038	30236
900	Mean	3856	2796	1232	7884	11676	9624	29184
901	CV	5.8	7.7	14.7	5.9	5.6	4.7	4.0
905	MCV	6.9	9.1	17.4	7.0	6.6	5.6	4.7
902	LSD	265.0	253.5	213.9	548.9	771.2	534.4	1379.6
906	LSR	26.3	21.0	24.5	18.8	52.6	36.7	34.3
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0000	0.0225	0.0053	0.0000
908	R_square	73.9	81.9	80.6	83.8	79.4	69.6	77.8

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

ONTARIO
 Elora
 Alfalfa Persistence
 Expt 5044
 Seeded 2000

Code	Cultivar	Yield 2004 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1001	SARANAC	5194	2034	683	8036
1074	ARROW	5290	2162	708	8035
1298	5312	4620	2474	748	7645
1325	MAGNUM_IV	4725	2920	1305	9113
1402	GRAZEMASTER	4833	2340	1033	8214
1419	54V54	4425	2980	1155	8600
1529	VALUEPLUS1	4650	3333	1433	9533
1530	3R58	3862	2949	1269	8149
1531	INTRIGUE	4689	2993	1100	8610
1533	TRAILBLAZER3	4675	2109	730	7535
1534	A9502	5214	2592	781	8292
1535	RELIANCE	5303	3608	1294	10661
1536	X787	4761	3060	1463	9398
1537	X688	4974	3473	1488	10023
1538	DS025	4805	2005	726	7428
1539	DS026	5118	2834	1224	9651
1540	5301ML	4389	2089	602	6967
1541	TMF_MULT_III	4986	3166	1175	8983
1542	DS9810	4794	3125	1438	9386
1543	ONEIDA_ULTRA	4433	2843	1166	8507
1544	CW73038	5429	2645	988	8959
9053	CENTURION	4722	2227	752	7389
900	Mean	4813	2725	1057	8596
901	CV	11.3	7.3	6.8	8.3
907	Pr>F(Trts)	0.7287	0.0001	0.0001	0.0082
908	R_square	60.7	95.1	98.1	79.2

Systematic control arrangement.

ONTARIO
 New Liskeard
 Alfalfa Persistence
 Expt 5046
 Seeded 2000

Code	Cultivar	Yield 2004 (kg/ha)		
		Cut 1	Cut 2	Total
1001	SARANAC	5311	1832	7141
1074	ARROW	4860	1743	6696
1298	5312	5477	1821	7121
1325	MAGNUM_IV	5013	1922	6835
1402	GRAZEMASTER	5539	1715	7298
1419	54V54	5791	2054	7953
1529	VALUEPLUS1	5566	1720	7375
1530	3R58	5607	1850	7518
1531	INTRIGUE	5681	1840	7623
1533	TRAILBLAZER3	4762	1633	6438
1534	A9502	5189	1661	6884
1535	RELIANCE	5490	1629	6993
1536	X787	5798	1784	7640
1537	X688	4975	2124	7122
1538	DS025	4414	1795	6113
1539	DS026	5317	1994	7138
1540	5301ML	4903	1478	6515
1541	TMF_MULT_III	5326	1875	7198
1542	DS9810	5473	1794	7316
1543	ONEIDA_ULTRA	5541	1645	7147
1544	CW73038	6001	1987	7856
9053	CENTURION	4986	1957	6949
900	Mean	5319	1811	7130
901	CV	10.1	9.6	8.7
907	Pr>F(Trts)	0.4637	0.1502	0.4875
908	R_square	73.4	89.2	81.5

Systematic control arrangement.

ONTARIO
 New Liskeard
 Alfalfa Persistence
 Expt 9915
 Seeded 1999

Code	Cultivar	2004 Yield (kg/ha)		
		Cut 1	Cut 2	Total
1001	SARANAC	4996	2484	7497
1074	ARROW	5631	3296	8521
1238	EXCEL	5523	3562	9032
1244	GH777	6834	3454	10231
1392	AMERIGRAZE40	6347	3743	10516
1409	ZG9346	7126	3778	10941
1474	GENEVA	6097	4233	10512
1493	TMF_421	6510	3467	9848
1494	53Q60	5976	3709	9805
1497	DK124	6498	3678	9880
1498	134	6407	4102	10443
1501	A9401	6850	3695	10555
1502	ROCKET	6682	3678	10576
1503	A9624	6699	4010	10481
1504	PICKSD2065MF	6318	3903	10380
1521	MAGNUM_3801	6638	3943	10569
1522	FORECAST_300	6533	4398	10976
1523	DS9833	6512	3748	10298
1524	HYBRID-FORCE	7081	3940	10948
1525	FORECAST_100	6250	4420	10453
9053	CENTURION	6126	3661	9959
900	Mean	6387	3771	10159
901	CV	12.6	6.7	9.1
907	Pr>F(Trts)	0.7209	0.0008	0.222
908	R_square	63.2	90.3	77.1

Systematic control arrangement.

ONTARIO
 Elora
 Red Clover Performance Trial
 Expt. 2795
 Seeded 2001

Code	Cultivar	2004 (kg/ha)		Tot04	Tot03	Tot02	3yrTot
		Cut 1	Cut 2				
4036	ATLAS	3484	1653	5181	8014	7757	20814
4055	WALTER	3681	1710	5408	8436	8360	22191
4057	RAM	3662	1871	5490	8060	8291	21706
4059	CONCORDE	3624	1673	5331	8063	8433	21964
4066	LASER	3878	1848	5708	8374	8017	22012
4073	BELLE	3454	1516	4892	8143	8614	21758
4074	PRIMA	3684	1745	5436	8264	8154	21857
4079	AC_ENDURE	3723	1707	5468	7489	7821	20904
900	Mean	3649	1715	5364	8105	8181	21651
901	CV	6.2	10.4	4.5	3.9	5.8	2.6
905	MCV	7.6	12.7	5.5	4.7	7.1	3.1
902	LSD	276.3	217.4	293.8	383.1	584.4	676.5
906	LSR	65.3	61.2	36.0	40.5	68.2	49.1
907	Pr>F(Trts)	0.2753	0.2124	0.0102	0.0156	0.2189	0.0166
908	R_square	73.8	87.7	91.4	87.5	70.5	93.7

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

ONTARIO
 Elora
 Trefoil & Timothy Trefoil
 Expt. 2797
 Seeded 2001

Code	Cultivar	2004 (kg/ha)		Tot04	Tot03	Tot02	3yrTot
		Cut 1	Cut 2				
7001	LEO	3396	1181	4613	4908	6884	16656
7003	EMPIRE	3920	1315	5217	5261	6993	17409
7031	OAC_BRIGHT	3571	1129	4759	5024	6599	16564
7034	BULL	3543	1183	4778	5276	7147	17396
7038	WELLINGTON	3690	1122	4804	5462	7302	17030
7039	EXACT	3373	1473	4819	5878	6850	17591
7043	PARDEE	3586	1252	4745	5480	6350	16502
900	Mean	3583	1236	4819	5327	6875	17021
901	CV	8.9	10.5	6.5	9.6	7.9	5.4
905	MCV	11.0	12.9	8.1	11.8	9.8	6.6
902	LSD	395.2	160.1	388.6	630.6	674.5	1126.3
906	LSR	72.2	45.7	64.4	65.0	70.8	103.4
907	Pr>F(Trts)	0.3124	0.0237	0.2962	0.2759	0.2963	0.4937
908	R_square	73.5	88.6	87.9	79.1	75.6	87.2

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

ONTARIO
 Elora
 Ofcc White Clover & Orchardgrass
 Expt. 2805
 Seeded 2002

Code	Cultivar	2004 (kg/ha)				Tot04	Tot03	2yrTot
		Cut 1	Cut 2	Cut 3	Cut 4			
8014	ALICE	5159	1729	847	1057	8773	6970	15673
8026	CW9502	4661	1331	630	785	7408	6628	14148
8027	CW9801	4537	1435	624	869	7481	6773	14213
900	Mean	4785	1498	700	904	7888	6790	14678
901	CV	5.8	12.7	8.6	16.0	6.1	4.9	5.8
905	MCV	8.8	19.2	12.9	24.2	9.2	7.4	8.8
902	LSD	419.5	287.0	90.6	218.5	727.0	505.1	1284.4
906	LSR	67.4	72.1	40.6	80.3	53.3	147.5	84.2
907	Pr>F(Trts)	0.2268	0.2029	0.0569	0.1800	0.0809	0.4653	0.3499
908	R_square	89.3	86.7	93.1	69.9	89.1	91.8	84.0

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

ONTARIO
 New Liskeard
 Brome Test 2002
 Expt. 200202
 Seeded 2002

Code	Cultivar	2004 (kg/ha)			
		Cut 1	Tot04	Tot03	2yrTot
2001	BAYLOR	6680	6680	8228	14908
2057	FLEET	8392	8392	8672	17064
2064	MB-A	7477	7477	8364	15841
2065	AC_KNOWLES	6858	6858	8469	15328
900	Mean	7352	7352	8433	15785
901	CV	11.3	11.3	12.0	8.9
905	MCV	14.7	14.7	15.5	11.5
902	LSD	1080.8	1080.8	1307.9	1813.1
906	LSR	63.1	63.1	294.9	84.1
907	Pr>F(Trts)	0.0652	0.0652	0.9316	0.2198
908	R_square	55.8	55.8	46.0	53.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Meadow Bromegrass 2002
 Expt. 200309
 Seeded 2002

Code	Cultivar	2004 (kg/ha)			
		Cut 1	Tot04	Tot03	2yrTot
2001	BAYLOR	4957	4957	7731	12688
2057	FLEET	5313	5313	10885	16198
2064	MB-A	5104	5104	11303	16407
2065	AC_Knowles	4934	4934	8919	13852
900	Mean	5077	5077	9709	14786
901	CV	5.4	5.4	12.5	8.6
905	MCV	7.0	7.0	16.2	11.1
902	LSD	353.4	353.4	1575.0	1641.5
906	LSR	93.0	93.0	44.1	44.1
907	Pr>F(Trts)	0.2471	0.2471	0.0079	0.0063
908	R_square	59.4	59.4	75.1	77.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Timothy registration test
 Expt. 3002
 Seeded 2003

Code	Cultivar	2004 (kg/ha)		Tot04
		Cut 1	Cut 2	
6002	CLIMAX	5328	2921	8249
6026	ITASCA	5178	4174	9352
6030	TORO	5147	4336	9484
6050	RICHMOND	5367	4419	9786
6156	BOR_9911	5146	3889	9035
6157	YPRA-7	5757	4552	10309
6158	YPCB-4	5722	3817	9539
6159	YPTB-2	5611	4756	10366
900	Mean	5407	4108	9515
901	CV	7.1	6.9	5.3
905	MCV	8.7	8.4	6.5
902	LSD	468.5	345.2	617.7
906	LSR	76.7	18.8	29.2
907	Pr>F(Trts)	0.1465	0.0000	0.0002
908	R_square	50.0	85.3	75.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Tall Fescue Trial
 Expt. 2799
 Seeded 2001

Code	Cultivar	2004 (kg/ha)					
		Cut 1	Cut 2	Tot04	Tot03	Tot02	3yrTot
5029	CAS-EA30	5155	1547	6701	7252	6752	20706
5030	BAROLEX	3843	2038	5882	6531	6810	19223
5523	COURTENAY	4854	2230	7084	7929	7752	22765
900	Mean	4618	1938	6556	7238	7105	20898
901	CV	10.6	8.1	9.3	4.6	4.4	4.0
905	MCV	14.6	11.2	12.8	6.3	6.1	5.5
902	LSD	672.4	216.7	838.3	459.2	434.3	1154.4
906	LSR	51.3	31.7	69.7	32.8	43.5	32.6
907	Pr>F(Trts)	0.0215	0.0027	0.0767	0.0036	0.0077	0.0035
908	R_square	84.5	89.9	78.2	87.6	91.6	87.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue Registration
 Expt. 3003
 Seeded 2003

Code	Cultivar	2004 (kg/ha)		Tot04
		Cut 1	Cut 2	
5008	COMMON	5743	5421	11164
5031	BOR86218	5152	5463	10614
5523	COURTENAY	5288	5541	10829
900	Mean	5394	5475	10869
901	CV	9.6	10.0	4.4
905	MCV	13.2	13.8	6.1
902	LSD	710.0	754.7	662.5
906	LSR	120.1	630.9	120.5
907	Pr>F(Trts)	0.3099	0.9424	0.3355
908	R_square	56.2	19.7	49.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Annual Ryegrass 2004
 Expt. 4006
 Seeded 2004

Code	Cultivar	2004 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot04
8502	MARIS_LEDGER	2786	3072	2154	8012
8503	MAX_IR	3165	3079	2152	8397
900	Mean	2975	3075	2153	8204
901	CV	11.5	4.9	14.7	9.3
905	MCV	19.2	8.2	24.5	15.4
902	LSD	571.4	251.3	526.6	1262.9
906	LSR	150.9	3199.525984.6	328.6	
907	Pr>F(Trts)	0.2169	0.9029	0.9411	0.5281
908	R_square	56.5	84.4	17.6	37.2

RCBD arrangement, 4 blocks {1234}