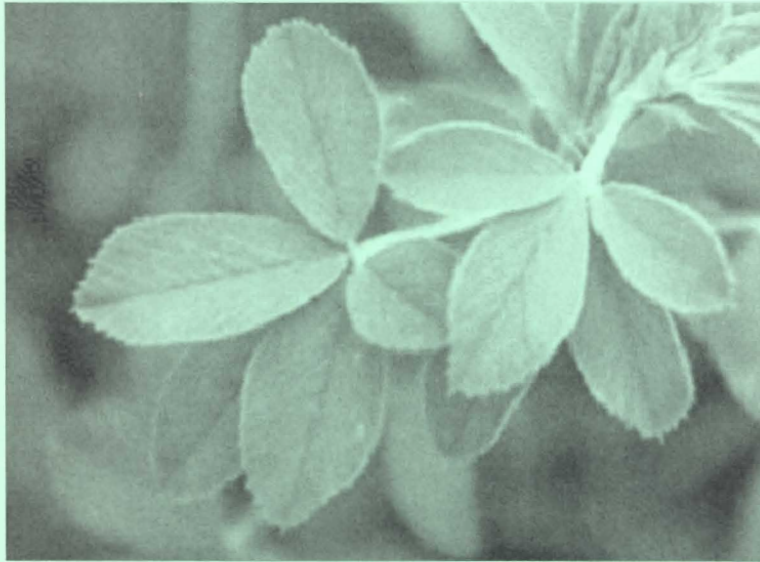


# ONTARIO FORAGE CROP INVESTIGATIONS



## 2011 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

- Guelph
- Kempville
- New Liskeard
- Thunder Bay

**REPORT ON FORAGE CROPS TRIALS**  
**ONTARIO FORAGE CROP COMMITTEE**

**Compiled by: Donna Hancock**

**Joan McKinlay**  
**Committee Chair**  
**Ontario Forage Crop Committee**

**Conducted co-operatively by:**

**University of Guelph**  
**Ontario Ministry of Agriculture and Food**

This is the 2011 Ontario Forage Crop Investigations Report. The information contained here was published as submitted by the crop coordinators. Unless otherwise indicated, the test arrangement is a randomized complete block with four replicates. 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*Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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.

**ONTARIO FORAGE CROP COMMITTEE  
VARIETY SUB-COMMITTEE**

**EXECUTIVE and  
COORDINATORS for 2011**

**Contact information**

Joan McKinlay  
Chair

R.R. # 2 Ravenna, ON, N0H 2E0  
Phone: (519)- 599-6236  
Email: jmckinlay@bmts.com

Mr. David Morris  
Secretary

109 Maple Ridge Road, R.R. #2  
Owen Sound, Ontario N4K 5N4  
Telephone: 519-376-1304  
Fax: 519-376-9773  
davidtmorris@rogers.com

Dr. Steve Bowley  
Species & Data Coordinator

Plant Agriculture Dept.,  
University of Guelph  
Phone: (519) 824-4120 Ext. 58704  
Fax: (519)-826-0401  
Email: sbowley@uoguelph.ca

**Testing Locations**

Thunder Bay (807) 475-1373  
New Liskeard (705) 647-8525  
x226  
Kemptonville (613) 258-8336  
x61340  
Elora (Guelph) (519) 824-4120  
x58704

**Name of Cooperator**

Mr. Tarlok Sahota  
Mr. John Kobler  
  
Ms. Wendy Asbil  
  
Dr. S. R. Bowley

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ONTARIO  
 New Liskeard  
 Alfalfa  
 Expt. 7007  
 Seeded 2007

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	Tot09	Tot08	4yrTot
		Cut 1	Cut 2					
1432	OAC_SUPERIOR	5851	4289	10137	8274	9650	11087	38736
1638	54V09	5413	4140	9518	7845	9858	10943	38053
1652	55V48	5613	4181	9800	7320	9333	10429	36816
1653	DS450	5409	3948	9438	7798	10382	10908	38581
1654	4020MF	5622	4309	9924	8163	10081	10833	39361
1655	L477HD	5337	4149	9580	7571	9650	10555	37392
1656	13017	5240	4221	9452	7604	9693	10717	37093
1657	15029	5293	4351	9616	7502	10145	11020	37928
1660	QS0131	5135	4038	9158	7825	10159	10901	38332
1661	94023	5862	4242	10068	8459	10423	11676	41047
911	FILLER	5378	3972	9305	7834	9823	10818	37935
900	Mean	5469	4167	9636	7836	9927	10899	38298
901	CV	4.7	7.1	4.5	6.5	5.9	5.8	4.5
905	MCV	5.6	8.5	5.4	7.8	7.1	7.0	5.4
902	LSD	308.3	356.1	521.9	614.7	702.5	763.7	2079.7
906	LSR	42.4	88.5	53.3	54.0	64.5	61.2	49.2
907	Pr>F(Trts)	0.0054	0.6142	0.0641	0.1152	0.2727	0.4496	0.1127
908	R_square	79.7	73.6	83.2	61.2	59.7	64.3	65.3

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

ONTARIO  
Kemptville  
Alfalfa reseed of 2007  
Seeded 2009

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Code	Cultivar	2011 (kg/ha)			Tot11
		Cut 1	Cut 2	Cut 3	
1432	OAC_Superior	4666.7	1613.8	2890.3	9170.8
1638	54V09	4250.2	1537.1	2361.7	8149.1
1652	55V48	4733.6	1473.4	2266.2	8473.2
1654	DS723	3832.2	1371.0	1972.7	7175.9
1661	SF2004	4967.8	1302.0	1829.1	8098.8
1614	94023	5943.5	1361.1	2374.0	9678.7
1577	Starbuck	4229.3	1677.7	2616.7	8523.8
1637	53H92	5018.0	1321.5	1555.9	7895.4
1659	A421	6468.3	1402.0	2162.0	10032.3
1658	CW24033	4482.9	1268.1	1872.7	7623.7
1660	QS0131	6008.9	1289.5	1826.9	9125.4
1653	DS450	4614.7	1561.8	1985.8	8162.2
Mean		4934.7	1431.6	2142.8	8509.1
CV		9.2	8.6	14.5	6.5
LSD		664.7	181.3	455.6	808.9

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ONTARIO  
 New Liskeard  
 Alfalfa  
 Expt. 8001  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)			Tot10	Tot09	3yrTot
		Cut 1	Cut 2	Tot11			
1432	OAC_SUPERIOR	6835	4966	11779	9170	10431	31404
1577	STARBUCK	6165	4469	10658	8352	9933	28865
1652	55V48	6700	5081	11850	9011	10426	31680
1665	WL363HQ	6456	4715	11090	8094	10007	29096
1666	L333HD	6600	4768	11378	8798	9943	29875
900	Mean	6551	4800	11351	8685	10148	30184
901	CV	6.2	7.1	6.4	6.0	6.6	4.8
905	MCV	8.0	9.2	8.2	7.7	8.5	6.1
902	LSD	524.4	439.4	935.6	665.7	857.7	1855.0
906	LSR	78.3	71.9	78.5	61.8	172.0	65.9
907	Pr>F(Trts)	0.2717	0.2339	0.2338	0.0801	0.6815	0.1204
908	R_square	67.6	78.8	71.1	76.5	49.0	67.0

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

ONTARIO  
 Elora  
 Alfalfa Registration Trial  
 Expt. 2872  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)			Tot11	Tot10	2yrTot
		Cut 1	Cut 2	Cut 3			
1432	OAC_SUPERIOR	3636	2527	2467	8648	8160	16688
1498	134	3785	2664	2172	8717	7917	16724
1577	STARBUCK	3607	2366	2445	8278	7861	16008
1648	ACTIS	3789	2867	2357	8935	8437	17249
1667	54Q32	3575	2682	2384	8651	8129	16812
1668	4S417	3901	2754	2402	9030	9117	18141
1669	WL353LH	3250	2024	1921	7314	8036	15445
1670	MAGNUM_VI_WET	3938	2842	2655	9470	8731	18215
1671	CW045025	3563	2698	2378	8621	8908	17517
1672	3010	3565	2429	2729	8670	7806	16551
1673	ADRENALIN	3497	2536	2367	8425	8362	16803
1674	LEGENDAIRY_5	3666	2633	2521	8813	7766	16622
1675	CW02013	3635	2368	2238	8261	7956	16245
900	Mean	3647	2568	2387	8603	8245	16848
901	CV	7.8	7.3	12.5	5.8	7.5	4.8
905	MCV	9.4	8.8	15.0	6.9	9.0	5.7
902	LSD	343.4	225.9	358.9	594.6	744.5	963.3
906	LSR	49.9	26.8	44.4	27.6	55.1	34.8
907	Pr>F(Trts)	0.1458	0.0000	0.0762	0.0007	0.0605	0.0013
908	R_square	88.6	95.8	78.8	95.1	84.4	95.1

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



ONTARIO  
Kemptville  
Alfalfa 2009  
Seeded 2009

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Code	Cultivar	2011 (kg/ha)			Tot11
		Cut 1	Cut 2	Cut 3	
1648	CFL0913	4439.07	2002.9	3400.27	9842.23
1675	CW02013	5038.33	1813.83	3680.43	10532.57
1671	CW045025	5320.17	2047.4	2597.15	9964.7
1673	CW24207	5306.27	1888	2708.2	9902.47
1672	DS721	4827.15	1275.8	2737.1	8840.05
1674	Legendairy	5091.27	1936.8	2840.83	9868.9
1670	MagnumVI-Wet	5037.97	1730	2897	9664.98
1432	OAC-Superior	4032.68	1765.68	3099.63	8898
1577	Starbuck	4394	1754.15	3352.23	9500.38
1669	WL353LH	4633.58	1574.45	2882.05	9090.08
1498	134	3883.87	1641.53	3270.33	8795.7
1668	4S417	4451.98	1971.05	3301.98	9724.97
1667	54Q32	5602.43	2295.7	3146.67	11044.8
Mean		4773.75	1822.87	3070.3	9666.91
CV		9.13	8.21	12.94	6.48
LSD		629.152	216.207	573.521	904.609

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ONTARIO  
 Thunder Bay  
 Alfalfa  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
1673	Adrenalin	3958	1780	5738
1672	DS721	3860	1867	5727
1432	OAC_Superior	4195	1949	6144
1577	Starbuck	4271	1777	6047
1668	4S417	4483	1783	6266
1667	54Q32	3830	1947	5776
Mean		4099	1851	5950
C.V.		8.2	15	9.3
PR>F		.0884	.8579	.6265
LSD(0.05)		506	NS	NS

New Liskeard  
 Alfalfa Registration  
 Expt. 9002  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	2yrTot
		Cut 1	Cut 2			
1432	OAC_SUPERIOR	7047	5356	12301	9226	21546
1577	STARBUCK	6846	5119	11959	9502	21457
1648	ACTIS	6558	5300	11915	9665	21644
1667	54Q32	6612	5481	12041	8948	20968
1668	4S417	6989	5836	12761	9805	22499
1669	WL353LH	6212	5410	11778	8887	20541
1670	MAGNUM_VI_WET	7109	5558	12885	9812	22761
1671	CW045025	6617	5490	11994	8369	20328
1672	3010	6993	5379	12539	9730	22296
1673	ADRENALIN	6863	5366	12104	9096	21294
1674	LEGENDAIRY5.0	6457	5234	11633	9391	21026
1675	CW02013	6916	5340	12177	9384	21544
900	Mean	6768	5406	12174	9318	21492
901	CV	5.3	6.1	4.7	5.0	3.8
905	MCV	6.3	7.3	5.7	6.0	4.6
902	LSD	427.7	394.4	693.4	555.2	978.4
906	LSR	47.7	55.0	55.4	38.5	40.2
907	Pr>F(Trts)	0.0370	0.3608	0.1399	0.0050	0.0097
908	R_square	55.5	62.0	53.4	71.7	66.3

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

ONTARIO  
 Thunder Bay  
 Alfalfa  
 Seeded 2010

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Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
1688	CLF1001	3580	2102	5682
1689	CLF1002	3550	2063	5613
1690	CLF1003	3219	2227	5446
1685	CLF1004	3264	2276	5540
1686	CLF1005	2703	2367	5070
1687	CLF1006	3299	2066	5365
1693	CLF1007	2979	2103	5081
1691	CLF1008	2780	2138	4918
1692	CLF1009	2117	2096	4213
1730	AC_Dalton	3077	2115	5192
1432	OAC_Superior	3199	2182	5381
1710	SF_2202	2870	2180	5049
1577	Starbuck	3504	2302	5806
1696	4A415	3092	2165	5257
1667	54Q32	3119	2352	5471
1711	SF_2101	3769	2224	5992
MEAN		3133	2185	5317
C.V. (%)		18	10	13
PR>F		0.2528	0.5845	0.1680
LSD (0.05)		788	297	986

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ONTARIO  
 Winchester  
 Alfalfa 2010  
 Seeded 2010

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Code	Cultivar	2011 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot11
1703	AC_Dalton	4236.7	1370.3	2752.8	8359.81
1688	CFL1001	4852.2	1840.8	3644.2	10337.3
1689	CFL1002	4825.2	1211.0	3662.4	9698.5
1690	CFL1003	5457.6	1345.3	3668.0	10470.9
1685	CFL1004	4689.1	948.4	3408.1	9045.5
1686	CFL1005	3983.2	1561.5	3648.5	9193.2
1687	CFL1006	5060.1	1091.5	3174.7	9326.2
1693	CFL1007	4829.3	1488.3	3661.7	9979.3
1691	CFL1008	4290.4	1529.5	3799.7	9619.6
1692	CFL1009	4059.9	1728.4	3988.4	9776.7
1708	CW01073012	4721.5	1042.6	3401.8	9165.8
1699	CW054004	4054.7	1073.7	3129.3	8257.8
1697	CW064004	4232.3	2054.3	3384.0	9670.6
1698	CW23017	4852.3	1289.3	3232.0	9373.6
1707	CW053014	5193.9	1562.7	3325.9	10082.5
1684	DS711-BR	5531.2	1033.0	3342.2	9906.5
1654	DS723	4465.7	997.3	2837.8	8300.7
1683	DS812-T	5385.0	1163.1	3161.2	9709.3
1525	Forecast_1001	5365.8	976.6	3249.0	9591.4
1706	FSG329	5374.5	1112.3	3202.1	9688.9
1705	FSG420LH	5170.3	809.9	3122.9	9103.1
1709	IML04	5384.0	875.1	3615.3	9874.4
1704	Lancer	5258.9	765.0	2298.3	8322.2
1694	MSSuntra-A21	5463.2	1271.5	3421.7	10156.3
1432	OACSuperior	5773.4	1076.7	3314.7	10164.7
1695	ProlificII	5533.9	732.8	3066.5	9333.2
1702	QS4506	4588.6	1369.6	3836.7	9794.9
1701	QS5523	4737.7	992.0	3232.3	8962.0
1700	QS6530	4386.0	1328.6	3031.6	8746.1
1710	SF2202	4012.0	1215.0	3743.4	8970.3
1577	Starbuck	4893.8	1173.1	4040.5	10107.4
1696	4A415	4812.6	1002.1	2708.2	8523.0
1667	54Q32	4097.1	1241.3	3224.9	8563.3
1711	SF2101	5184.5	1074.2	2173.2	8431.8
Mean		4845.8	1216.1	3308.9	9370.8
CV		7.2	12.8	9.0	3.3
LSD		491.7	220.5	422.4	442.5

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ONTARIO  
 Elora  
 Alfalfa Registration A  
 Expt. 2886  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)			Tot11
		Cut 1	Cut 2	Cut 3	
1432	OAC_SUPERIOR	4495	4402	2648	11595
1525	FORECAST_100	4233	4373	2535	11205
1577	STARBUCK	4299	4725	2648	11698
1654	4020MF	4893	4633	2740	12214
1667	54Q32	4364	4414	2674	11462
1683	4030	4781	4892	2969	12568
1684	4010	4887	4976	2878	12770
1685	CFL1004	4199	4174	2469	10863
1686	CFL1005	4387	4056	2394	10904
1687	CFL1006	4454	4395	2712	11502
1688	CFL1001	4626	4537	2776	11891
1689	CFL1002	4755	4794	2974	12573
1690	CFL1003	4919	4999	2966	12762
1691	CFL1008	4633	4191	2683	11463
1692	CFL1009	4288	4423	2570	11319
1693	CFL1007	4371	4595	2800	11753
1694	MSSUNTRA-A21	4761	4852	2867	12419
1695	PROLIFIC_II	4402	4474	2460	11307
1696	4A415	4597	4535	2684	11857
1697	CW_064004	4178	4246	2750	11056
1698	CW_23017	4332	4347	2655	11376
1699	CW_054004	4121	4121	2534	10776
1700	QS_6530	4243	4572	2716	11461
1701	QS_5523	4528	4537	2825	11909
1702	QS_4506	4446	4589	2899	12004
1703	AC_DALTON	4426	3823	2204	10360
1704	LANCER	4387	4619	2679	11780
1705	FSG_420LH	4132	4286	2541	10945
1706	FSG_329	4592	4813	2800	12254
1707	CW053014	4539	4445	2740	11746
1708	CW073012	4087	4217	2488	10811
1709	IML04	4380	4172	2505	11074
1710	SF2202	4581	4358	2688	11707
1711	SF2101	4469	4254	2599	11314
900	Mean	4464	4466	2679	11609
901	CV	6.7	6.6	6.8	5.4
902	LSD	355.8	350.7	213.8	740.1
907	Pr>F(Trts)	0.0011	0.0000	0.0000	0.0000
908	R_square	46.3	73.3	56.5	60.7

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

ONTARIO  
 New Liskeard  
 Alfalfa Registration B  
 Expt. 1003  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)		
		Cut 1	Cut 2	Total
1432	OAC_SUPERIOR	6210	5640	11905
1525	FORECAST_100	6047	5483	11495
1577	STARBUCK	5692	5601	11310
1667	54Q32	5999	5624	11599
1683	4030	6620	5696	12346
1684	4010	6453	5751	12212
1685	CFL1004	5968	5574	11541
1686	CFL1005	5627	4931	10565
1687	CFL1006	6378	5959	12320
1688	CFL1001	6263	5615	11859
1689	CFL1002	6329	6165	12460
1690	CFL1003	6681	5977	12638
1691	CFL1008	5989	5390	11410
1692	CFL1009	5732	5389	11089
1693	CFL1007	5875	5506	11428
1694	MSSUNTRA-A21	6312	5732	12053
1695	PROLIFIC_II	6366	5586	11839
1696	4A415	6036	6061	12077
1697	CW_064004	5622	5723	11375
1698	CW_23017	5596	5383	11033
1699	CW_054004	5839	5713	11552
1703	AC_DALTON	5690	5496	11188
1704	LANCER	5910	5569	11552
1705	FSG_420LH	6076	5382	11428
1706	FSG_329	5980	5743	11697
1707	CW053014	6054	5651	11699
1708	CW073012	5612	5812	11386
1709	IML04	5872	5743	11606
1710	SF2202	5948	5798	11792
1711	SF2101	6124	5416	11555
900	Mean	6030	5640	11667
902	se	135	165	216
901	CV	4.4	5	3.7

Four Replications, nearest-neighbour analysis.

ONTARIO  
 New Liskeard  
 Alfalfa Performance, 2 cut management  
 Expt. 2879  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)		
		Cut 1	Cut 2	Total
1325	MAGNUM_IV	6506	7669	14198
1409	AFFINITY+Z	6381	7384	13759
1432	OAC_SUPERIOR	6687	8107	14799
1481	APPROVED	6263	7713	13987
1482	WINTERGOLD	6339	7724	14080
1498	134	6133	7982	14111
1521	MAGNUM_3801	6299	7679	13971
1525	FORECAST_100	6578	7627	14207
1537	VALIANT	6191	7700	13873
1598	54H11	6273	7556	13835
1599	WL319HQ	6086	7576	13674
1600	SATELLITE	6076	7337	13409
1603	WL357HQ	6076	8215	14299
1614	94023	6231	7937	14160
1617	WL348AP	6191	7669	13879
1618	WL345LH	5848	7444	13304
1619	EVERMORE	6493	7850	14348
1624	LEXUS	5695	7357	13108
1630	FSG400LH	6260	7270	13506
1636	RADAR	6196	7629	13845
1637	53H92	5947	7573	13502
1646	WL343HQ	5873	7862	13713
1649	STELLAR_FG	6082	8079	14121
1652	55V48	6267	7897	14154
1659	4A421	6260	8008	14285
1664	SUPER_NOVA	6248	7255	13514
1667	54Q32	6020	8230	14249
1675	CW_02013	6485	8015	14458
1676	QS44031	5708	8496	14182
1677	QS4010	5644	7600	13230
1678	SURVIVOR	6281	7938	14223
1680	RESPONSE_WT	5959	8240	14211
900	Mean	6174	7771	13945
902	se	129	184	248
901	CV	4.2	4.7	3.5

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



ONTARIO  
 New Liskeard  
 Alfalfa Performance, 3 cut management  
 Expt. 2883  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1325	MAGNUM_IV	4303	4538	1615	10428
1409	AFFINITY+Z	4161	4596	1490	10260
1432	OAC_SUPERIOR	4441	5088	1825	11344
1481	APPROVED	3935	4504	1642	10067
1482	WINTERGOLD	3653	4397	1564	9599
1498	134	3960	4661	1647	10257
1521	MAGNUM_3801	4253	4510	1685	10454
1525	FORECAST_100	4100	4600	1733	10408
1537	VALIANT	4096	4580	1550	10189
1598	54H11	3719	4280	1378	9377
1599	WL319HQ	4382	4742	1509	10596
1600	SATELLITE	4224	4411	1582	10229
1603	WL357HQ	4078	4437	1673	10187
1614	94023	3446	4177	1390	9062
1617	WL348AP	4412	4582	1711	10671
1618	WL345LH	3892	4285	1414	9589
1619	EVERMORE	4234	4439	1509	10144
1624	LEXUS	4391	4632	1616	10630
1630	FSG400LH	3600	4242	1443	9299
1636	RADAR	3040	3890	1427	8352
1637	53H92	3395	3936	1171	8543
1646	WL343HQ	4033	4153	1464	9692
1649	STELLAR_FG	3904	4450	1550	9933
1652	55V48	3968	4136	1473	9613
1659	4A421	4297	4865	1885	11087
1664	SUPER_NOVA	3900	4407	1501	9828
1667	54Q32	4175	4478	1496	10142
1675	CW_02013	4429	4553	1594	10586
1676	QS44031	4071	4545	1711	10329
1677	QS4010	3911	4206	1444	9541
1678	SURVIVOR	4559	4502	1587	10654
1680	RESPONSE_WT	3522	4120	1492	9108
900	Mean	4016	4438	1556	10010
902	se	209	180	80	395
901	CV	10.4	8.1	10.2	7.8

RCBD arrangement, 4 blocks (1234)  
 Nearest-neighbour covariance adjusted.

ONTARIO  
 Elora  
 Alfalfa Performance, 3 cut management  
 Expt. 2877  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1325	MAGNUM_IV	3060	2563	2416	8070
1409	AFFINITY+Z	2903	2141	2247	7231
1432	OAC_SUPERIOR	3397	3006	2681	9061
1481	APPROVED	2983	2317	2268	7599
1482	WINTERGOLD	3190	2488	2454	8109
1498	134	3030	2617	2344	7922
1521	MAGNUM_3801	3279	2728	2419	8380
1525	FORECAST_100	3177	2359	2375	7925
1537	VALIANT	2902	2234	2158	7257
1598	54H11	3167	2486	2443	8090
1599	WL319HQ	3512	2669	2478	8679
1600	SATELLITE	3007	2538	2577	8106
1603	WL357HQ	3102	2530	2292	7983
1614	94023	2902	2430	2402	7708
1617	WL348AP	3012	2435	2388	7851
1618	WL345LH	2896	2237	2059	7297
1619	EVERMORE	2938	2368	2400	7682
1624	LEXUS	3057	2641	2495	8108
1630	FSG400LH	3024	2335	2390	7710
1636	RADAR	3166	2427	2349	8024
1637	53H92	2876	2046	1952	6900
1646	WL343HQ	3440	2757	2476	8679
1649	STELLAR_FG	3167	2802	2456	8492
1652	55V48	3079	2547	2495	8127
1659	4A421	3138	2789	2570	8501
1664	SUPER_NOVA	3288	2543	2289	8137
1667	54Q32	3140	2524	2285	7894
1675	CW_02013	3032	2780	2395	8186
1676	QS44031	2961	2994	2630	8618
1677	QS4010	3004	2427	2216	7626
1678	SURVIVOR	2858	2316	2294	7454
1680	RESPONSE_WT	3237	2442	2386	8110
900	Mean	3091	2516	2377	7985
902	se	116	115	105	248
901	CV	7.3	8.9	8.8	6.1

ONTARIO  
 Elora  
 Alfalfa Performance, 4 cut management  
 Expt. 2881  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1325	MAGNUM_IV	2074	684	940	3672
1409	AFFINITY+Z	2119	748	731	3665
1432	OAC_SUPERIOR	2298	961	847	4108
1481	APPROVED	2082	809	718	3643
1482	WINTERGOLD	2109	838	729	3674
1498	134	2244	805	835	3928
1521	MAGNUM_3801	2067	770	708	3566
1525	FORECAST_100	2135	858	973	3912
1537	VALIANT	2120	858	995	4001
1598	54H11	2145	848	694	3678
1599	WL319HQ	2221	812	903	3952
1600	SATELLITE	2042	960	996	3965
1603	WL357HQ	2172	939	949	4029
1614	94023	2081	952	1007	4045
1617	WL348AP	2208	778	742	3736
1618	WL345LH	2068	688	681	3443
1619	EVERMORE	2141	908	950	3985
1624	LEXUS	2122	897	924	3959
1630	FSG400LH	1947	841	803	3601
1636	RADAR	2375	927	945	4200
1637	53H92	1894	597	503	2970
1646	WL343HQ	2000	926	927	3871
1649	STELLAR_FG	2313	1127	1163	4547
1652	55V48	2230	914	996	4169
1659	4A421	2239	975	903	4117
1664	SUPER_NOVA	2202	952	776	3925
1667	54Q32	2255	1094	1044	4406
1675	CW_02013	2413	1080	1060	4557
1676	QS44031	2270	1014	1258	4524
1677	QS4010	2053	848	834	3709
1678	SURVIVOR	1993	839	789	3654
1680	RESPONSE_WT	2013	732	709	3446
900	Mean	2145	874	876	3896
902	se	105	94	134	273
901	CV	9.7	21.1	30.4	13.8

Note: Due to drought, there was insufficient yield at fourth harvest.

ONTARIO  
 Winchester  
 Alfalfa Performance-2009 4 cut system  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)				Tot11
		Cut 1	Cut 2	Cut 3	Cut4	
1325	MagnumIV	5379.2	2533.0	2841.6	1666.7	12420.6
1409	Affinity+Z	5774.3	2409.4	2569.1	1656.0	12408.7
1432	OACSuperior	5392.3	2451.8	2701.4	1706.5	12251.8
1481	Approved	5040.5	2215.8	2411.6	1694.5	11362.4
1482	Wintergold	5217.6	2250.7	2616.9	1528.2	11613.4
1498	134	4973.5	2257.8	2457.8	1749.8	11438.9
1521	Magnum3801	5798.8	2327.2	2354.5	1774.7	12255.1
1525	Forecast1001	5235.3	2613.2	2744.5	1919.0	12512.0
1537	Valiant	5289.9	2492.0	2382.8	1671.5	11836.2
1598	54H11	5293.4	2459.5	2507.0	1686.9	11946.7
1599	WL319HQ	5161.8	2364.4	2386.0	1643.4	11555.5
1600	Satellite	5452.4	2473.0	2246.9	1764.4	11936.6
1603	WL357HQ	5022.7	2414.9	2483.7	1649.5	11570.9
1614	94023	5499.5	2464.5	2458.8	1688.7	12111.5
1617	WL348AP	4788.0	2528.4	2441.1	1686.9	11444.4
1618	WL345LH	5436.0	2307.7	2500.0	1615.0	11858.7
1619	Evermore	4925.6	2130.9	2213.3	1520.9	10790.5
1624	Lexus	5535.8	2419.9	2558.6	1818.8	12333.2
1630	FSG400LH	5405.6	2221.2	2346.1	1908.9	11881.9
1636	Radar	4689.8	2290.3	2308.4	1726.9	11015.4
1637	53H92	5375.0	2214.8	2473.3	1746.4	11809.5
1646	WL342HQ	5204.9	2165.7	2391.1	1690.0	11451.7
1649	Stellar_FG	5145.3	2380.1	2515.4	1573.2	11614.0
1652	55V48	6012.0	2325.4	2594.5	1672.3	12604.1
1659	4A421	5860.9	2220.1	2529.6	1755.0	12365.4
1664	SuperNova	5298.9	2153.6	2215.4	1627.7	11295.5
1667	54Q32	4867.7	2107.7	2314.3	1612.0	10901.6
1675	CW02013	5137.5	2217.4	2556.5	1619.8	11531.2
1676	QS44031	5644.2	2352.6	2376.5	1654.7	12028.0
1677	QS4010	4933.5	2326.9	3272.8	1791.8	12324.9
1678	Survivor	5272.6	2350.8	2399.8	1804.3	11827.4
1680	Response_WT	5325.6	2224.8	2215.5	1780.0	11545.8
Mean		5293.4	2333.3	2480.8	1700.1	11807.6
CV		11.5	12.6	13.7	9.1	8.0
LSD		859.6	417.2	480.2	219.5	1329.3

ONTARIO  
 Elora  
 Alfalfa Performance Trial, 3 cut management  
 Expt. 2895  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
910	filler	3429	3900	2810	10139
1325	MAGNUM_IV	3743	3895	2901	10539
1409	AFFINITY+Z	3880	4142	3034	11056
1432	OAC_SUPERIOR	3670	3832	2914	10416
1498	134	3687	3988	2770	10445
1521	MAGNUM_3801	3660	3858	2884	10402
1525	FORECAST_100	3609	4137	2999	10745
1537	VALIANT	3462	4120	3017	10599
1577	STARBUCK	3507	4044	2901	10452
1599	WL319HQ	3799	3925	2972	10696
1600	SATELLITE	3654	4112	3025	10790
1603	WL357HQ	3571	4124	2873	10568
1610	FOREMOST	3749	4350	3033	11132
1616	53Q30	3680	3978	3013	10670
1617	WL348AP	3483	3938	2785	10206
1618	WL345LH	3791	4108	2888	10787
1619	EVERMORE	3435	4019	2734	10188
1620	MARVEL	3814	3899	2664	10377
1625	QS04027	3629	3919	2583	10130
1636	RADAR	3577	3913	2603	10093
1637	53H92	3785	3998	2627	10410
1646	WL343HQ	3485	4013	2793	10291
1649	STELLAR_FG	3665	3783	2787	10235
1652	55V48	3419	3929	2717	10064
1659	4A421	3299	4223	2744	10266
1664	SUPER_NOVA	3681	3859	2670	10209
1667	54Q32	3740	3619	2657	10017
1675	CW_02013	3526	3750	2819	10095
1678	SURVIVOR	3340	4073	2927	10341
1715	55V12	3593	3894	2882	10370
900	Mean	3612	3978	2834	10424
902	LSD(0.05)	1184	1524	1092	3016
901	CV	7.4	8.7	8.8	6.6

Rectangular lattice (5 X 6) with 2 replications & 2 repetitions

ONTARIO  
 Elora  
 Alfalfa Performance Trial, 4 cut management  
 Expt. 2896  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)				Total
		Cut 1	Cut 2	Cut 3	Cut 4	
910	filler	3265	3028	2100	927	9341
1325	MAGNUM_IV	3179	2952	2250	1092	9446
1409	AFFINITY+Z	3313	3200	2489	1155	10169
1432	OAC_SUPERIOR	3235	2899	2333	913	9376
1498	134	3211	2927	2471	1054	9668
1521	MAGNUM_3801	3260	2693	2259	918	9130
1525	FORECAST_100	3203	2996	2457	1049	9703
1537	VALIANT	3151	2985	2550	992	9687
1577	STARBUCK	3242	2972	2522	1009	9740
1599	WL319HQ	3205	3011	2560	1082	9871
1600	SATELLITE	3225	3111	2560	1018	9893
1603	WL357HQ	3323	2970	2384	1015	9681
1610	FOREMOST	3213	3103	2577	1032	9932
1616	53Q30	3340	3085	2645	1182	10240
1617	WL348AP	3235	3168	2587	1059	10044
1618	WL345LH	3465	3235	2645	947	10293
1619	EVERMORE	3531	3272	2902	870	10569
1620	MARVEL	3574	3296	2890	1087	10845
1625	QS04027	3471	3298	2813	1112	10700
1636	RADAR	3424	3137	2724	942	10242
1637	53H92	3472	3362	2735	1169	10743
1646	WL343HQ	3562	3273	2728	1030	10578
1649	STELLAR_FG	3445	3028	2371	886	9732
1652	55V48	3613	3068	2390	1127	10202
1659	4A421	3342	3222	2645	1206	10413
1664	SUPER_NOVA	3471	3082	2543	977	10086
1667	54Q32	3460	2943	2609	1004	10024
1675	CW_02013	3378	3095	2707	1130	10311
1678	SURVIVOR	3421	3057	2662	1069	10190
1715	55V12	3414	3083	2437	1003	9936
900	Mean	3355	3085	2551	1035	10026
902	LSD(0.05)	842	943	343	242	719
901	CV	5.7	7.1	11.4	18.8	6.0

Rectangular lattice (5 X 6) with 2 replications & 2 repetitions

ONTARIO  
 New Liskeard  
 Alfalfa Performance Trial, 2 cut management  
 Expt. 2899  
 Seeded 2010

Code	Cultivar	Cut 1	2011 (kg/ha)	
			Cut 2	Total
910	filler	6690	5807	12485
1325	MAGNUM_IV	6157	5971	12102
1409	AFFINITY+Z	6564	5587	12114
1432	OAC_SUPERIOR	6024	5560	11566
1498	134	6092	5433	11485
1521	MAGNUM_3801	6136	5856	12002
1525	FORECAST_100	6550	5929	12483
1537	VALIANT	6249	5854	12095
1577	STARBUCK	6443	5964	12419
1599	WL319HQ	5913	5581	11485
1600	SATELLITE	6233	5578	11812
1603	WL357HQ	6257	5559	11827
1610	FOREMOST	6525	5821	12331
1616	53Q30	5702	5667	11374
1617	WL348AP	6539	5849	12370
1618	WL345LH	6207	5790	12002
1619	EVERMORE	6410	5571	11996
1620	MARVEL	6278	5635	11914
1625	QS04027	6094	5642	11745
1636	RADAR	6351	5624	11961
1637	53H92	5778	5494	11276
1646	WL343HQ	6067	5602	11683
1649	STELLAR_FG	6140	5558	11697
1652	55V48	5805	5491	11284
1659	4A421	6127	5501	11613
1664	SUPER_NOVA	6071	5296	11396
1667	54Q32	6172	5550	11760
1675	CW_02013	6253	5669	11947
1678	SURVIVOR	5987	5621	11620
1715	55V12	5976	5658	11666
900	Mean	6193	5657	11850
902	LSD(0.05)	488	339	651
901	CV	6.5	4.9	4.4

Rectangular lattice (5 X 6) with 2 replications & 2 repetitions

ONTARIO  
 New Liskeard  
 Alfalfa Performance Trial, 3 cut management  
 Expt. 2900  
 Seeded 2010

Code	Cultivar	Cut 1	Cut 2	2011	
				(kg/ha)	Total
910	filler	6387	5167	2612	14164
1325	MAGNUM_IV	6211	5595	2792	14576
1409	AFFINITY+Z	6194	5541	2687	14404
1432	OAC_SUPERIOR	5961	5600	2486	14046
1498	134	5958	5452	2494	13876
1521	MAGNUM_3801	6170	5480	2365	14016
1525	FORECAST_100	5943	5043	2434	13397
1537	VALIANT	5868	5282	2399	13531
1577	STARBUCK	6092	5306	2358	13755
1599	WL319HQ	6056	5417	2376	13820
1600	SATELLITE	6287	5380	2306	14019
1603	WL357HQ	5903	5462	2255	13663
1610	FOREMOST	6167	5113	2390	13697
1616	53Q30	5826	5594	2399	13863
1617	WL348AP	6222	5386	2107	13730
1618	WL345LH	6041	5409	2284	13739
1619	EVERMORE	5864	4812	2032	12711
1620	MARVEL	5298	5541	2312	13133
1625	QS04027	6419	5502	2236	14161
1636	RADAR	6100	5613	2275	13964
1637	53H92	6105	5421	2089	13612
1646	WL343HQ	5621	5477	2218	13312
1649	STELLAR_FG	5943	5389	2128	13434
1652	55V48	5836	5395	2173	13382
1659	4A421	6048	5453	2220	13689
1664	SUPER_NOVA	6079	5129	2285	13518
1667	54Q32	6601	5513	2304	14440
1675	CW_02013	6234	5605	2534	14374
1678	SURVIVOR	6051	5508	2299	13864
1715	55V12	5942	5524	2468	13958
900	Mean	6047	5404	2344	13795
902	LSD(0.05)	410	335	241	761
901	CV	5.4	5.1	8.3	4.4

Rectangular lattice (5 X 6) with 2 replications & 2 repetitions



ONTARIO  
 Kemptville  
 Alfalfa Performance, 3 cut management  
 Expt.  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
910	filler	5103	2072	2487	9708
1325	MAGNUM_IV	5951	1516	2137	9638
1409	AFFINITY+Z	5303	1879	2003	9251
1432	OAC_SUPERIOR	5699	2141	2212	10073
1498	134	6249	1629	2259	10178
1521	MAGNUM_3801	5043	1833	2506	9388
1525	FORECAST_100	5841	1960	2156	9935
1537	VALIANT	5894	2414	2479	10825
1577	STARBUCK	5584	2333	2589	10499
1599	WL319HQ	6381	2301	2256	10953
1600	SATELLITE	6165	2025	2395	10526
1603	WL357HQ	4576	2451	2307	9287
1610	FOREMOST	4097	2099	2346	8514
1616	53Q30	4713	2514	2419	9574
1617	WL348AP	5592	1920	2403	9864
1618	WL345LH	5493	1917	2447	9861
1619	EVERMORE	5605	1848	2317	9785
1620	MARVEL	5555	2295	2545	10397
1625	QS04027	5289	2327	2771	10377
1636	RADAR	4602	2074	2323	9009
1637	53H92	5270	1935	2366	9562
1646	WL343HQ	4705	2442	2707	9856
1649	STELLAR_FG	4490	2722	2651	9853
1652	55V48	5649	2229	2429	10328
1659	4A421	5465	2616	2944	11023
1664	SUPER_NOVA	6816	1787	2797	11388
1667	54Q32	4928	2276	2450	9652
1675	CW_02013	5933	2370	2381	10671
1678	SURVIVOR	5927	2325	2573	10843
1715	55V12	5318	2472	2249	10014
900	Mean	5441	2157	2430	10028
902	se	313	93	128	327
901	CV	9.9	7.4	8.5	5.6

4 blocks, rectangular lattice repeated.

ONTARIO  
 Kemptville  
 Alfalfa Performance, 4 cut management  
 Expt.  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)				Total
		Cut 1	Cut 2	Cut 3	Cut 4	
910	filler	5929	2038	3070	2031	12994
1325	MAGNUM_IV	5960	1713	2520	1708	11812
1409	AFFINITY+Z	4994	1827	2872	1942	11598
1432	OAC_SUPERIOR	5195	1722	2467	1719	11121
1498	134	4054	1389	2804	1926	10086
1521	MAGNUM_3801	5122	1733	2059	1712	10594
1525	FORECAST_100	5659	1602	2375	1532	11216
1537	VALIANT	5098	1793	2539	1741	11229
1577	STARBUCK	5649	1671	2799	1529	11761
1599	WL319HQ	4860	1567	2356	2000	10790
1600	SATELLITE	3832	1626	2605	2000	10008
1603	WL357HQ	5062	2148	3009	2125	12342
1610	FOREMOST	4731	1800	2612	1788	10966
1616	53Q30	4077	1830	2702	1694	10448
1617	WL348AP	4664	1601	2655	1753	10677
1618	WL345LH	6014	1514	2386	1531	11342
1619	EVERMORE	6626	1883	2803	1643	12905
1620	MARVEL	4421	1653	2510	1850	10412
1625	QS04027	5205	1732	2953	2269	12202
1636	RADAR	5317	1796	2300	1951	11301
1637	53H92	4553	1326	1941	1444	9191
1646	WL343HQ	4592	1831	2529	1944	10877
1649	STELLAR_FG	4789	2065	3129	2466	12456
1652	55V48	5965	1896	2892	1957	12726
1659	4A421	5529	1845	2806	2304	12451
1664	SUPER_NOVA	5031	1227	2136	1546	9872
1667	54Q32	6009	2072	2821	1637	12592
1675	CW_02013	5183	1393	1998	1831	10466
1678	SURVIVOR	5256	1467	2420	1520	10734
1715	55V12	5127	1760	2361	1967	11342
900	Mean	5150	1717	2581	1835	11284
902	se	356	91	131	119	431
901	CV	12.1	8.6	9.7	12.3	6.5

4 blocks, rectangular lattice repeated.

ONTARIO  
Thunder Bay  
Red clover  
Seeded 2009

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Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
4080	Tempus	1293	547	1840
4087	Wild Cat	1587	821	2408
MEAN		1440	684	2124
C.V. (%)		5.3	15	5.6
PR>F		0.0124	0.0339	0.0067
LSD (0.05)		172	234	268

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ONTARIO  
Kemptville  
Red Clover  
Seeded 2009

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Code	Cultivar	2011 (kg/ha)			Tot11
		Cut 1	Cut 2	Cut 3	
4080	TEMPUS	4249.7	1080.9	980	6310.6
4087	WILDCAT	4655.3	1733	1807.2	8195.5
MEAN		4452.5	1406.94	1393.6	7253.02
C.V		10.79	8.02	12.35	7.88
L.S.D.		1080.55	253.99	387.34	1286.19

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ONTARIO  
Thunder Bay  
White Clover & Orchardgrass  
Seeded 2009

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Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
8014	ALICE	3869	2547	6416
8031	COMPANION	4015	2564	6580
8029	CW204	3895	2403	6299
8012	OSCEOLA	3944	2408	6352
8028	REGAL GRAZE	3839	2355	6194
MEAN		3913	2455	6368
C.V.		8.8	9.6	7.8
L.S.D.		NS	NS	NS

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ONTARIO  
Kemptville  
White Clover  
Seeded 2009

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Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
8014	ALICE	2448.9	953.1	3402.0
8012	OSCEOLA	2438.6	1354.6	3793.2
8031	COMPANION	2553.4	576.9	3110.2
MEAN		2473.6	961.5	3435.1
C.V		12.4	20.5	9.2
L.S.D.		531.2	340.6	549.0

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ONTARIO  
 New Liskeard  
 White Clover & Orchard Grass  
 Expt. 9004  
 Seeded 2009

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Code	Cultivar	2011 (kg/ha)				2yrTot
		Cut 1	Cut 2	Tot11	Tot10	
8012	OSCEOLA	1945	1364	3317	9282	12708
8014	ALICE	2129	1496	3602	8473	12016
8031	Companion	2288	1485	3789	9359	13097
900	Mean	2121	1449	3569	9038	12607
901	CV	14.1	4.5	10.2	11.6	4.4
905	MCV	21.3	6.8	15.3	17.5	6.7
902	LSD	451.6	98.2	547.0	1583.3	842.2
906	LSR	131.6	74.5	115.9	178.9	77.9
907	Pr>F(Trts)	0.4670	0.1181	0.3926	0.5797	0.1706
908	R_square	95.8	94.6	94.3	67.5	92.4

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

ONTARIO  
 Elora  
 Bromegrass trial  
 Expt. 2876  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)			Tot11	Tot10	2yrTot
		Cut 1	Cut 2	Cut 3			
2039	BRAVO	4396	1063	1346	6826	8809	15598
2054	PADDOCK	5273	1063	2072	8321	8396	16812
2057	FLEET	5356	983	2121	8396	9762	18105
2060	PEAK	5165	1154	1572	8027	8573	16621
2067	BR06	4811	913	1510	7229	9196	16398
900	Mean	5000	1035	1724	7760	8947	16707
901	CV	9.3	17.0	14.4	7.4	4.1	3.9
905	MCV	11.9	21.7	18.4	9.5	5.3	5.0
902	LSD	595.8	224.9	317.4	736.4	475.3	838.7
906	LSR	62.1	93.6	40.9	46.9	34.8	33.5
907	Pr>F(Trts)	0.0974	0.4571	0.0063	0.0117	0.0100	0.0059
908	R_square	70.0	71.1	81.4	80.2	84.8	85.1

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



ONTARIO  
 New Liskeard  
 Orchard Grass Registration  
 Expt. 6002  
 Seeded 2006

Code	Cultivar	2011 (kg/ha)						
		Cut 1	Tot11	Tot10	Tot09	Tot08	Tot07	5yrTot
3078	AC_SPLENDOR	2306	2306	2720	5586	9658	7688	27958
3079	OKAY	2163	2163	2745	6082	9789	8133	28912
3086	HAYMATE	1968	1968	2764	5474	9215	8888	28310
3096	DIVIDEND_VL	2288	2288	2696	6049	10309	8180	29523
3111	OG0001	1966	1966	2727	5869	8863	9088	28513
3110	OG01	2365	2365	2802	5981	9143	8814	29105
900	Mean	2176	2176	2742	5840	9496	8465	28720
901	CV	10.5	10.5	7.2	6.5	7.3	7.8	4.3
905	MCV	13.0	13.0	9.0	8.1	9.0	9.7	5.3
902	LSD	284.0	284.0	246.0	473.9	855.8	819.5	1515.6
906	LSR	71.2	71.2	231.8	77.9	59.2	58.5	96.9
907	Pr>F(Trts)	0.0936	0.0936	0.9780	0.1815	0.0954	0.0607	0.5269
908	R_square	79.9	79.9	51.1	56.3	58.8	58.4	44.8

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Elora  
 Orchardgrass Test -ofcc &  
 Expt. 2863  
 Seeded 2007

Code	Cultivar	2011 (kg/ha)			Tot11	Tot10	Tot09	3yrTot
		Cut 1	Cut 2	Cut 3				
211		4157	440	666	5263	6350	7339	18951
221		5266	1076	1077	7419	7405	8384	23208
231		4768	836	902	6507	6429	6661	19596
241		3171	693	763	4627	5312	6050	15988
251		3184	427	611	4221	4423	5210	13854
261		3606	692	710	5007	4892	6221	16120
3079	OKAY	3994	603	685	5282	5541	7203	18026
3096	DIVIDEND_VL	4103	546	749	5399	4797	6365	16561
3110	OG01	4494	668	784	5946	5178	7462	18585
3112	QS23	3839	654	824	5317	5911	6382	17610
3113	PROFIT	4396	543	762	5701	5573	7631	18905
900	Mean	4089	652	776	5517	5619	6810	17946
901	CV	12.5	36.1	22.2	13.0	7.9	7.6	6.8
905	MCV	17.7	50.9	31.2	18.3	11.1	10.8	9.6
902	LSD	722.0	332.2	242.4	1012.4	622.5	732.8	1725.2
906	LSR	34.5	51.2	52.0	31.7	20.9	23.1	18.4
907	Pr>F(Trts)	0.0018	0.1207	0.1652	0.0022	0.0000	0.0000	0.0000
908	R_square	75.9	53.6	60.7	73.5	91.1	86.0	88.6

RCBD arrangement, 3 blocks {234}

ONTARIO  
 Elora  
 Late Orchardgrass  
 Expt. 2866  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)			Tot11	Tot10	Tot09	3yrTot
		Cut 1	Cut 2	Cut 3				
3079	OKAY	4622	568	959	6078	6924	8291	20969
3113	PROFIT	4386	565	962	5846	6574	11336	23315
3114	OG06	4059	561	797	5515	6529	10695	23508
3115	ORG-08-02	3341	494	531	4364	4822	9992	18950
3117	HAYMASTER	4495	336	663	5538	6638	9993	22394
900	Mean	4181	505	783	5468	6297	10062	21827
901	CV	11.0	23.3	13.4	9.1	4.8	11.5	4.7
905	MCV	17.4	36.9	21.3	14.4	7.6	18.2	7.5
902	LSD	727.9	186.4	166.9	786.1	477.4	1836.1	1632.4
906	LSR	56.8	80.2	38.8	45.8	22.7	60.3	35.8
907	Pr>F(Trts)	0.0808	0.2838	0.0457	0.0491	0.0015	0.1757	0.0087
908	R_square	82.7	78.5	83.4	85.3	94.5	79.2	93.8

RCBD arrangement, 3 blocks {234}  
 Nearest-neighbour covariance adjusted.

ONTARIO  
Kemptville  
Orchardgrass  
Seeded 2008

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Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
3115	ORG-0802	2002.8	975.1	2977.9
3113	PROFIT	1985.9	1582.3	3568.1
3079	OKAY	2276.2	1251.6	3527.8
3114	OG06	2467.9	1452.5	3920.3
MEAN		2183.2	1315.4	2398.6
C.V.		9.6	18.7	10.5
L.S.D.		382.7	447.2	666.9

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ONTARIO  
 Elora  
 Orchardgrass - Late  
 Expt. 2875  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)			Tot11	Tot10	2yrTot
		Cut 1	Cut 2	Cut 3			
3003	KAY	4361	1053	1200	7495	8475	15835
3079	OKAY	5116	1150	1021	6853	8443	15397
3096	DIVIDEND_VL	4011	1312	914	6758	8280	14978
3114	OG06	5443	1289	960	6724	8671	15490
900	Mean	4733	1201	1024	6958	8467	15425
901	CV	8.5	6.1	8.3	6.4	2.6	2.8
905	MCV	14.8	10.7	14.4	11.2	4.6	4.8
902	LSD	701.0	128.2	147.2	779.0	389.2	740.1
906	LSR	48.9	49.5	51.5	101.1	99.5	86.4
907	Pr>F(Trts)	0.2624	0.1381	0.0995	0.3880	0.7851	0.4068
908	R_square	62.6	90.9	95.8	78.2	95.1	92.5

RCBD arrangement, 3 blocks {234}  
 Nearest-neighbour covariance adjusted.

ONTARIO  
Elora  
Orchardgrass  
Expt. 2890  
Seeded 2010

Code	Cultivar	2011 (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
3066	RAPIDO	3895	1563	1453	7117
3079	OKAY	4312	1695	1175	7167
3086	HAYMATE	4308	2065	1362	7291
3094	ORCA	4186	1817	1625	7443
3096	DIVIDEND_VL	4120	1506	1168	7039
3110	OG01	4640	1355	1021	6997
3114	OG06	4710	1474	1165	7562
900	Mean	4310	1639	1281	7231
902	se	154	137	84	251
901	CV	7.1	15.9	11.3	6.6

Four replicates, RBCD, nearest neighbour analysis.

Elora  
 Perennial Ryegrass  
 Expt. 2870  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)			Tot11	Tot10	Tot09	3yrTot
		Cut 1	Cut 2	Cut 3				
8514	TIVOLI	1963	676	568	3197	5734	1753	10443
8515	GARIBALDI	2495	572	434	3500	6014	2766	11900
8518	BARNHEM	1789	580	656	3014	4729	10315	17625
8519	REMLINGTON	2521	819	476	3905	7337	5232	15918
8520	SPIDOLA	2335	655	405	3378	5724	3717	12730
8521	PSGG9-04	2744	470	340	3495	6065	6411	16132
8522	CITADEL	2633	659	564	3864	6673	2623	13224
8523	CONDESA	2144	730	612	3282	5407	856	10083
8525	BASTION	2350	626	315	3292	5330	1449	10948
8533	KENTAUR	2371	486	704	3585	6317	3540	13519
8535	BARUTTI	3124	447	224	3974	5636	6522	16115
900	Mean	2406	611	482	3499	5906	4108	13512
901	CV	12.3	27.2	26.5	13.3	9.9	15.1	7.7
905	MCV	17.5	38.5	37.5	18.8	14.1	21.4	10.9
902	LSD	420.0	235.5	180.8	659.3	830.2	878.0	1474.3
906	LSR	31.5	63.4	37.7	68.7	31.8	9.3	19.5
907	Pr>F(Trts)	0.0048	0.2915	0.0110	0.4088	0.0051	0.0000	0.0000
908	R_square	88.2	60.7	78.9	77.5	71.2	97.2	91.7

RCBD arrangement, 3 blocks {234}  
 Nearest-neighbour covariance adjusted.

ONTARIO  
Kemptville  
Perennial Ryegrass  
Seeded 2010

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Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
8536	BARMULTRA_II	4371.3	1767.6	6138.8
8540	CHICAGO	4698.9	1213.6	5912.5
8537	DYNAMIC	3811.3	1193.8	5005.1
8538	INTRODA	4567.8	1332.0	5899.7
8539	TORONTO	5200.1	985.9	6186.0
MEAN		4529.9	1298.6	5828.4
C.V.		8.9	19.0	6.6
L.S.D		625.2	383.7	595.7

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ONTARIO  
 Elora  
 Perennial Ryegrass Reg A  
 Expt. 2888  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)			Tot11
		Cut 1	Cut 2	Cut 3	
8536	BARMULTRA_II	8091	6144	1682	15970
8537	DYNAMIC	4778	1938	1558	8304
8538	INTRODA	6613	2052	1445	10071
8539	TORONTO	7584	1690	1642	10808
8540	CHICAGO	6778	1389	1583	9814
900	Mean	6769	2643	1582	10993
901	CV	9.3	12.6	5.8	5.3
905	MCV	11.9	16.1	7.5	6.7
902	LSD	804.6	426.0	118.3	740.2
906	LSR	24.3	9.0	49.9	9.7
907	Pr>F(Trts)	0.0004	0.0000	0.0649	0.0000
908	R_square	88.1	98.4	94.8	97.8

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

ONTARIO  
 Elora  
 Early Timothy  
 Expt. 2868  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)					
		Cut 1	Cut 2	Tot11	Tot10	Tot09	3yrTot
6030	TORO	5411	842	6410	7182	9459	23065
6050	RICHMOND	6057	805	6775	6834	8908	22833
6171	TM9701	5987	691	6608	7174	9728	23181
900	Mean	5818	779	6598	7064	9365	23026
901	CV	7.4	14.6	7.0	4.4	0.9	1.5
905	MCV	17.7	34.9	16.7	10.4	2.1	3.5
902	LSD	1032.3	271.8	1098.7	735.3	196.8	812.8
906	LSR	159.7	180.0	300.6	210.9	24.0	233.2
907	Pr>F(Trts)	0.4238	0.6072	0.7150	0.5172	0.0376	0.5700
908	R_square	88.2	85.0	86.5	89.1	98.6	91.9

RCBD arrangement, 3 blocks {234}  
 Nearest-neighbour covariance adjusted.

ONTARIO  
 New Liskeard  
 Late Timothy  
 Expt. 7001  
 Seeded 2007

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	Tot09	Tot08	4yrTot
		Cut 1	Cut 2					
6002	CLIMAX	5059	1499	6558	5831	9093	11264	32747
6026	ITASCA	5622	2137	7758	5558	8164	13498	34978
6166	BARFLEO	4686	1924	6610	5770	9110	11868	33357
6167	BOR2005	5113	2272	7385	5664	8126	13137	34312
6168	BARPENTA	4461	1597	6057	5988	8291	10064	30400
6169	KARA	5410	2434	7845	5721	7916	13067	34548
900	Mean	5058	1977	7036	5755	8450	12150	33390
901	CV	7.9	15.7	8.8	9.9	5.0	8.2	3.8
905	MCV	9.8	19.4	10.9	12.2	6.2	10.2	4.7
902	LSD	494.1	384.3	765.0	704.8	527.7	1240.9	1556.7
906	LSR	42.6	41.1	42.8	164.0	44.2	36.1	34.0
907	Pr>F(Trts)	0.0087	0.0036	0.0043	0.9225	0.0033	0.0015	0.0014
908	R_square	71.9	67.5	70.3	20.3	69.4	71.4	73.6

RCBD arrangement, 4 blocks {1234}

New Liskeard  
 Timothy  
 Expt. 8006  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	Tot09	3yrTot
		Cut 1	Cut 2				
6002	CLIMAX	4142	1827	5970	5087	9857	20913
6026	ITASCA	4221	2474	6695	5313	10844	22852
6066	NORMAX	4286	2251	6538	5148	11373	23059
6081	MARIPOSA	4744	2136	6879	5413	10641	22933
6086	ALEXANDER	3949	2267	6216	4981	10250	21447
6095	ARGUS	4090	2206	6297	5439	11176	22912
6136	EXPRESS	4023	1830	5853	4838	10211	20903
6138	AURORA	3646	2098	5744	4937	10207	20889
6161	TREASURE	4729	2255	6984	5323	10666	22974
6170	CREST	3888	2112	6000	4762	10697	21459
900	Mean	4172	2146	6318	5124	10592	22034
901	CV	9.2	18.7	10.1	5.9	6.3	5.7
905	MCV	11.0	22.5	12.1	7.1	7.6	6.9
902	LSD	461.0	483.2	764.9	361.6	803.8	1522.5
906	LSR	42.0	74.7	61.7	53.4	53.0	70.2
907	Pr>F (Trts)	0.0077	0.4811	0.0945	0.0261	0.0822	0.0366
908	R_square	71.4	75.5	77.2	70.4	64.1	76.2

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Elora  
 Late Timothy  
 Expt. 2869  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)					
		Cut 1	Cut 2	Tot11	Tot10	Tot09	3yrTot
6002	CLIMAX	5359	1117	6476	7374	10274	24123
6026	ITASCA	5497	1527	7025	8559	11101	26685
6066	NORMAX	5478	1528	7006	8639	11054	26699
6081	MARIPOSA	5600	1363	6964	8421	11342	26727
6086	ALEXANDER	5075	1185	6260	7489	9872	23621
6095	ARGUS	5530	1333	6863	8030	9730	24623
6136	EXPRESS	5948	1887	7835	9085	11413	28333
6138	AURORA	5622	1460	7081	8169	10252	25502
6161	TREASURE	5820	1632	7452	7991	11785	27228
6170	CREST	6176	1228	7404	8450	11295	27149
900	Mean	5610	1426	7037	8221	10812	26069
901	CV	9.7	32.3	10.0	7.3	6.1	7.0
905	MCV	13.8	45.8	14.2	10.4	8.7	9.9
902	LSD	773.2	652.7	999.4	854.8	937.8	2591.6
906	LSR	70.3	84.8	63.5	49.9	45.6	55.0
907	Pr>F (Trts)	0.4981	0.6573	0.3164	0.0669	0.0113	0.0870
908	R_square	64.1	45.6	60.1	65.6	67.0	60.1

RCBD arrangement, 3 blocks {234}

ONTARIO  
 Elora  
 Late Timothy Trial  
 Expt. 2873  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)				
		Cut 1	Cut 2	Tot11	Tot10	2yrTot
6002	CLIMAX	5470	1269	6882	8344	15055
6026	ITASCA	5938	1468	7321	9312	16697
6066	NORMAX	5569	2246	7861	9632	17299
6086	ALEXANDER	5243	1594	6846	9115	15936
6136	EXPRESS	6138	1835	8018	9112	17119
6138	AURORA	5784	1942	7610	9762	17384
6161	TREASURE	5466	1689	7140	8238	15316
6172	ARLAKA	5364	1641	6976	7349	14713
900	Mean	5622	1710	7332	8858	16190
901	CV	5.9	25.3	7.1	4.6	5.1
905	MCV	8.5	36.8	10.3	6.7	7.5
902	LSD	479.9	629.5	756.1	589.5	1207.8
906	LSR	53.6	64.4	64.5	24.4	45.2
907	Pr>F(Trts)	0.0800	0.2800	0.1310	0.0002	0.0133
908	R_square	80.4	77.2	63.6	89.8	79.4

RCBD arrangement, 3 blocks {234}  
 Nearest-neighbour covariance adjusted.

ONTARIO  
Kemptville  
Late Timothy 2009  
Seeded 2009

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Code	Cultivar	2011 (kg/ha)			Tot11
		Cut 1	Cut 2	Cut 3	
6086	Alexander	5265.7	2281.4	1372.8	8919.9
6172	Arlaka	4322.0	2375.2	1297.8	7994.9
6138	Aurora	4108.9	1963.5	2067.2	8139.6
6002	Climax	4982.2	2132.8	1577.9	8692.9
6136	Express	4930.9	2730.3	1789.0	9450.2
6026	Itasca	5747.8	2310.8	1773.9	9832.6
6066	Normax	4502.8	1736.8	1749.4	7791.2
6161	Treasure	4715.2	1550.2	1898.4	8163.8
Mean		4821.9	2135.1	1690.8	8623.1
CV		4.2	12.1	12.6	4.0
LSD		295.9	379.4	315.1	509.3

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ONTARIO  
 New Liskeard  
 Late Timothy  
 Expt. 9003  
 Seeded 2009

Code	Cultivar	2011 (kg/ha)			Tot10	2yrTot
		Cut 1	Cut 2	Tot11		
6002	CLIMAX	6183	3633	9816	9426	19242
6026	ITASCA	6482	4874	11357	9931	21288
6066	NORMAX	6675	4972	11647	10512	22159
6086	ALEXANDER	6254	4800	11054	9945	21000
6136	EXPRESS	5762	4964	10725	10215	20941
6138	AURORA	5882	4804	10686	10323	21009
6161	TREASURE	6262	4966	11228	10527	21755
6172	ARLAKA	5749	4462	10211	9698	19909
900	Mean	6156	4684	10840	10072	20913
901	CV	7.1	7.8	6.3	7.3	4.5
905	MCV	8.7	9.5	7.7	8.9	5.5
902	LSD	535.2	442.8	833.1	899.3	1153.5
906	LSR	57.8	33.1	45.5	81.7	39.5
907	Pr>F(Trts)	0.0614	0.0005	0.0190	0.3834	0.0067
908	R_square	58.7	70.0	56.1	37.2	61.8

RCBD arrangement, 4 blocks {1234}



ONTARIO  
 Elora  
 Late Timothy Reg A  
 Expt. 2887  
 Seeded 2010

Code	Cultivar	2011 (kg/ha)		
		Cut 1	Cut 2	Tot11
6002	CLIMAX	6431	1291	7635
6026	ITASCA	7321	1848	9229
6066	NORMAX	6918	1960	9021
6081	MARIPOSA	7093	2139	9186
6086	ALEXANDER	6896	1718	8651
6136	EXPRESS	7449	3214	10803
6138	AURORA	7135	1868	9026
6161	TREASURE	6822	1987	8548
6173	TIFFANY	7034	1910	8930
6174	BOR_88060	7071	1646	8782
6175	BOR_01025	7053	1326	8319
900	Mean	7020	1901	8921
901	CV	4.0	22.2	6.0
905	MCV	4.8	26.7	7.2
902	LSD	335.2	506.6	641.2
906	LSR	32.9	26.3	20.2
907	Pr>F(Trts)	0.0056	0.0001	0.0000
908	R_square	77.4	79.8	84.2

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

New Liskeard  
 Tall Fescue  
 Expt. 7003  
 Seeded 2007

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	Tot09	Tot08	4yrTot
		Cut 1	Cut 2					
5028	CARNIVAL	3027	2479	5506	7788	9333	14797	37424
5037	BARELITE	2434	1720	4154	5941	7630	13386	31111
5523	COURTENAY	3291	3290	6581	7517	9151	15151	38401
5526	KOKANEE	2992	3355	6348	7473	8921	14236	36978
900	Mean	2936	2711	5647	7180	8759	14393	35979
901	CV	5.8	13.0	8.2	2.7	6.1	7.3	2.6
905	MCV	7.5	16.8	10.6	3.5	7.9	9.4	3.4
902	LSD	221.4	456.1	600.5	249.7	691.8	1356.7	1221.0
906	LSR	25.8	27.9	24.7	13.5	40.6	76.8	16.7
907	Pr>F(Trts)	0.0005	0.0004	0.0002	0.0000	0.0060	0.1617	0.0000
908	R_square	93.7	87.4	90.5	96.4	75.5	59.2	94.7

RCBD arrangement, 4 blocks {1234}

ONTARIO  
Kemptville  
Tall Fescue  
Seeded 2008

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Code	Cultivar	2011 (kg/ha)		Tot11
		Cut 1	Cut 2	
5526	KOKANEE	3303.7	1024.6	4328.3
5040	BARIANNE	2824.7	1141.0	3965.8
5039	PST-5CAN	1968.3	945.7	2914.0
5042	FTF-0801	3375.6	1212.6	4588.2
5523	COURTENAY	3020.3	1217.7	4238.1
5041	KORA	3013.8	1286.8	4300.5
MEAN		2917.7	1138.1	4055.8
C.V.		7.0	11.9	6.1
L.S.D.		306.1	203.7	374.3

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ONTARIO  
 New Liskeard  
 Tall Fescue  
 Expt. 8002  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	Tot09	3yrTot
		Cut 1	Cut 2				
5039	PST-5CAN	3289	1877	5167	6580	10856	22603
5040	BARIANNE	2960	2539	5499	7124	11814	24437
5041	KORA	3910	3032	6942	8494	12816	28252
5042	FTF-0801	3623	3550	7173	8233	10748	26154
5523	COURTENAY	3767	3850	7617	8708	11148	27473
5526	KOKANEE	3660	3628	7287	8289	10631	26207
900	Mean	3535	3079	6614	7905	11335	25854
901	CV	7.6	7.7	5.6	4.5	10.9	5.2
905	MCV	9.4	9.6	7.0	5.6	13.5	6.5
902	LSD	333.2	294.2	462.9	443.8	1527.2	1668.7
906	LSR	35.1	14.9	18.9	20.9	69.9	29.5
907	Pr>F(Trts)	0.0019	0.0000	0.0000	0.0000	0.1611	0.0004
908	R_square	81.6	93.7	93.0	88.7	47.8	79.9

RCBD arrangement, 4 blocks {1234}

ONTARIO  
 Elora  
 Tall Fescue  
 Expt. 2867  
 Seeded 2008

Code	Cultivar	2011 (kg/ha)						
		Cut 1	Cut 2	Cut 3	Tot11	Tot10	Tot09	3yrTot
5040	BARIANNE	5770	1262	1232	8078	8605	9836	26385
5041	KORA	5583	1614	1805	9116	10671	12072	31991
5042	FTF-08-01	5735	1706	1640	9155	9387	11197	29326
5043	TF0202	6119	1233	1290	8703	9562	10452	28457
5523	COURTENAY	5234	1499	1683	8357	9395	11999	30227
5526	KOKANEE	5138	1682	1493	8309	10159	12687	31355
900	Mean	5597	1499	1524	8620	9630	11374	29623
901	CV	5.6	11.3	8.1	4.6	6.3	5.3	4.9
905	MCV	8.4	17.2	12.4	7.0	9.6	8.0	7.4
902	LSD	472.7	258.0	188.5	606.1	924.7	913.3	2204.9
906	LSR	48.2	54.5	32.9	56.3	44.7	32.0	39.3
907	Pr>F(Trts)	0.0415	0.0311	0.0035	0.2476	0.0487	0.0217	0.0239
908	R_square	90.2	81.2	88.7	86.0	75.6	84.4	75.6

RCBD arrangement, 3 blocks {234}  
 Nearest-neighbour covariance adjusted.

**Heading Notes**

Stage R2 (spikelets emerged but not peduncle)

## Heading Dates

<b>Bromegrass</b>	Code	Elora	New Liskeard
Peak	2060	June 1	-
Fleet	2057	May 29	-
Bravo	2039	June 3	-
Paddock	2054	May 29	-
BR06	2067	June 3	-

**Orchardgrass**

OG06	3114	June 3	-
ORG-08-02	3115	June 3	-
Haymaster	3117	May 31	-
OKAY	3079	June 1	June 6
Profit	3113	June 1	-
OG0001	3111	May 29	June 6
QS23	3112	June 1	June 8
Haymate	3086	May 29	June 6
Dividend VL	3096	June 6	June 6
OG01	3110	June 3	June 6

**Tall Fescue**

Courtenay	5523	June 8	June 13
Kora	5041	June 6	June 13
FTF-08-01	5042	June 8	June 13
Kokanee	5526	June 13	June 15
Barianne	5040	June 8	June 17
TF0202	5043	June 6	-

**Late Timothy**

Mariposa	6081	June 6	June 13
Alexander	6086	June 8	June 15
Crest	6170	June 10	June 13
Climax	6002	June 8	June 15
Treasure	6161	June 6	June 13
Express	6136	June 8	June 13
Normax	6066	June 10	June 15
Itasca	6026	June 13	June 15
Argus	6095	June 8	June 13
Aurora	6138	June 8	June 13
Arlaka	6172	June 13	-
Tiffany	6173	June 13	-
Bor01025	6175	June 14	-
Bor88060	6174	June 14	-

**Early Timothy**

Richmond	6050	June 6	-
Toro	6030	June 6	-
TM9701	6171	June 6	-

**Heading Notes** Cont'd.

Stage R2 (spikelets emerged but not peduncle)

**Perennial Ryegrass**

Remington	8519	June 8
Barutti	8535	May 28
PSGG9-04	8521	June 8
Tivoli	8514	June 22
Bastion	8525	June 8
Barnhem	8518	June 22
Garibaldi	8515	June 10
Citadel	8522	June 8
Spidola	8520	June 8
Condesa	8523	June 22
Kentaur	8533	June 10
Chicago	8540	June 10
Introda	8538	June 8
Dynamic	8537	June 15
Toronto	8539	June 8

**Annual Ryegrass**

Barmultra II	8536	June 1
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Elora Alfalfa Performance Trial, seeded 2009, harvested 2011.  
Expt. 2877 & 2881

Maturity (Mean Stage by Weight)

Cutting Management

Code	Variety	<u>Three harvest</u>		<u>Four harvest</u>	
		Cut1	Cut2	Cut1	Cut 2
1325	MAGNUM_IV	2.4	3.9	2.0	2.4
1409	AFFINITY+Z	2.5	4.4	1.9	1.1
1432	OAC_SUPERIOR	2.4	4.8	1.9	2.1
1481	APPROVED	2.4	4.0	2.2	2.5
1482	WINTERGOLD	2.2	4.4	2.1	2.4
1498	134	2.4	5.1	2.0	2.7
1521	MAGNUM_3801	2.6	4.2	1.7	1.9
1525	FORECAST_100	2.7	4.2	2.0	1.5
1537	VALIANT	2.5	4.2	2.2	2.2
1598	54H11	2.5	4.4	2.3	2.3
1599	WL319HQ	2.2	4.1	1.7	1.8
1600	SATELLITE	2.4	3.7	2.0	1.8
1603	WL357HQ	2.6	4.3	2.4	2.2
1614	94023	2.5	4.1	1.9	2.7
1617	WL348AP	2.3	4.0	1.7	2.1
1618	WL345LH	2.5	4.0	2.5	1.7
1619	EVERMORE	2.9	4.4	1.5	1.5
1624	LEXUS	2.5	4.8	2.3	2.1
1630	FSG400LH	2.4	3.8	1.5	1.1
1636	RADAR	2.8	4.6	2.1	2.8
1637	53H92	2.3	4.0	2.1	1.4
1646	WL343HQ	2.3	4.5	2.1	2.7
1649	STELLAR_FG	2.4	4.5	1.9	2.6
1652	55V48	2.5	4.8	1.6	1.7
1659	4A421	2.4	4.2	1.9	2.1
1664	SUPER_NOVA	2.6	4.2	1.8	2.2
1667	54Q32	2.4	4.7	2.1	2.3
1675	CW_02013	2.5	4.4	2.1	2.1
1676	QS44031	2.3	4.3	2.2	3.0
1677	QS4010	2.6	4.6	1.7	2.5
1678	SURVIVOR	2.3	4.1	1.4	2.3
1680	RESPONSE_WT	2.6	5.1	1.7	2.2
	Mean	2.5	4.3	2.0	2.1
	se	0.14	0.33	0.33	0.29

Maturity: The greater the MSW value, the later is the maturity.



Elora Alfalfa Performance Trial, seeded 2010, harvested 2011.  
 Expt. 2895 & 2896

Maturity (Mean Stage by Weight)

Cutting Management

Code	Variety	<u>Three harvest</u>		<u>Four harvest</u>	
		Cut1	Cut2	Cut1	Cut 2
910	filler	3.0	4.6	2.2	3.2
1325	MAGNUM_IV	2.7	4.5	1.9	2.8
1409	AFFINITY+Z	2.7	4.8	1.9	2.8
1432	OAC_SUPERIOR	2.4	4.8	2.2	3.0
1498	134	2.7	5.3	2.0	3.2
1521	MAGNUM_3801	2.6	5.1	1.9	2.6
1525	FORECAST_100	3.2	5.0	2.2	2.9
1537	VALIANT	2.5	4.7	2.3	3.0
1577	STARBUCK	2.5	4.4	1.9	2.9
1599	WL319HQ	2.5	4.3	1.7	2.4
1600	SATELLITE	2.8	4.6	2.0	2.8
1603	WL357HQ	2.8	5.3	2.3	3.1
1610	FOREMOST	2.7	5.2	2.2	3.1
1616	53Q30	2.9	5.7	2.0	2.9
1617	WL348AP	2.6	4.5	1.7	2.6
1618	WL345LH	2.7	4.6	2.0	2.8
1619	EVERMORE	2.7	4.8	1.9	2.9
1620	MARVEL	2.6	4.6	2.2	3.4
1625	QS04027	3.1	5.3	2.1	3.1
1636	RADAR	2.6	4.9	2.3	3.5
1637	53H92	2.6	5.3	1.9	3.2
1646	WL343HQ	2.7	5.0	2.0	3.1
1649	STELLAR_FG	2.5	5.0	2.1	3.4
1652	55V48	2.6	4.5	1.9	2.8
1659	4A421	2.5	5.1	2.0	3.4
1664	SUPER_NOVA	2.6	3.8	1.9	2.5
1667	54Q32	2.7	4.8	1.9	3.3
1675	CW_02013	2.6	5.2	2.0	3.1
1678	SURVIVOR	2.5	4.3	1.8	3.1
1715	55V12	2.6	4.7	1.9	2.6
	Mean	2.7	4.8	2.0	3.0
	se	0.20	0.27	0.15	0.26

Maturity: The greater the MSW value, the later is the maturity.

Elora Alfalfa Performance Trial, seeded 2009, harvested 2011.  
 Expt. 2877 & 2881

Code	Variety	Relative Forage Quality (RFQ)				Relative Feed Value (RFV)			
		Cutting Management				Cutting Management			
		Three harvest		Four harvest		Three harvest		Four harvest	
		Cut1	Cut2	Cut1	Cut 2	Cut1	Cut2	Cut1	Cut 2
1325	MAGNUM_IV	172	132	164	166	168	152	171	180
1409	AFFINITY+Z	179	121	195	217	168	132	181	224
1432	OAC_SUPERIOR	171	143	157	190	181	157	166	194
1481	APPROVED	167	137	171	156	162	162	182	172
1482	WINTERGOLD	162	150	163	185	174	165	173	190
1498	134	167	164	173	172	187	184	191	181
1521	MAGNUM_3801	145	128	167	186	147	147	176	209
1525	FORECAST_100	152	125	171	168	172	141	176	189
1537	VALIANT	190	152	187	182	199	159	190	196
1598	54H11	131	140	151	142	144	167	164	157
1599	WL319HQ	173	134	177	184	194	149	193	197
1600	SATELLITE	146	135	193	163	152	148	185	170
1603	WL357HQ	172	132	162	169	182	151	169	185
1614	94023	169	127	166	160	174	154	172	172
1617	WL348AP	147	139	143	138	167	160	166	164
1618	WL345LH	175	147	199	265	182	160	194	225
1619	EVERMORE	142	142	180	188	148	158	179	205
1624	LEXUS	148	145	191	179	169	158	189	191
1630	FSG400LH	150	129	226	202	153	139	214	215
1636	RADAR	162	144	160	169	161	178	175	175
1637	53H92	176	143	185	210	190	155	184	215
1646	WL343HQ	180	148	160	177	190	163	172	180
1649	STELLAR_FG	162	150	163	151	176	161	176	159
1652	55V48	155	128	163	200	173	140	171	203
1659	4A421	167	142	175	172	188	155	181	189
1664	SUPER_NOVA	187	128	183	211	183	142	190	203
1667	54Q32	147	137	191	149	159	165	192	172
1675	CW_02013	136	131	204	190	141	151	197	196
1676	QS44031	153	133	146	133	167	155	157	149
1677	QS4010	153	138	177	200	158	151	180	205
1678	SURVIVOR	168	148	178	180	176	174	181	195
1680	RESPONSE_WT	201	142	187	189	217	165	194	198
	Mean	162	138	175	179	172	156	180	189
	se	13.7	14.7	10.0	19.7	13.6	14.2	9.3	11.7

Elora Alfalfa Performance Trial, seeded 2010, harvested 2011.  
 Expt. 2895 & 2896

Code	Variety	Relative Forage Quality (RFQ)				Relative Feed Value (RFV)			
		Cutting Management		Cutting Management		Cutting Management		Cutting Management	
		Three harvest		Four harvest		Three harvest		Four harvest	
		Cut1	Cut2	Cut1	Cut 2	Cut1	Cut2	Cut1	Cut 2
910	filler	189	145	185	142	172	147	174	148
1325	MAGNUM_IV	141	114	159	139	141	126	157	138
1409	AFFINITY+Z	176	119	168	148	165	124	162	137
1432	OAC_SUPERIOR	155	121	163	122	146	134	164	139
1498	134	132	113	196	163	136	124	183	160
1521	MAGNUM_3801	146	123	173	142	141	136	173	148
1525	FORECAST_100	148	141	168	149	152	145	163	147
1537	VALIANT	162	120	187	174	154	133	189	170
1577	STARBUCK	150	117	192	143	153	129	178	137
1599	WL319HQ	200	142	179	170	180	147	181	155
1600	SATELLITE	154	126	161	137	153	137	155	139
1603	WL357HQ	157	125	163	132	153	136	162	143
1610	FOREMOST	148	107	170	131	161	125	175	134
1616	53Q30	151	139	197	146	155	148	191	152
1617	WL348AP	138	117	173	120	132	125	171	135
1618	WL345LH	161	133	180	193	154	141	175	182
1619	EVERMORE	180	144	171	128	172	149	168	139
1620	MARVEL	142	107	190	131	138	120	180	135
1625	QS04027	161	125	186	140	159	137	176	151
1636	RADAR	146	120	153	124	149	129	154	129
1637	53H92	174	123	171	180	155	138	166	161
1646	WL343HQ	139	136	193	156	151	146	192	159
1649	STELLAR_FG	152	115	173	157	146	127	160	151
1652	55V48	134	123	164	125	131	132	161	132
1659	4A421	168	122	179	131	165	137	178	134
1664	SUPER_NOVA	147	137	168	164	139	147	172	160
1667	54Q32	148	119	171	148	147	134	168	153
1675	CW_02013	154	128	171	165	157	141	173	156
1678	SURVIVOR	143	140	177	125	145	145	172	137
1715	55V12	141	130	186	120	136	136	179	142
	Mean	154	125	175	145	151	136	171	147
	se	15.7	11.4	13.7	12.0	10.3	8.7	10.2	8.0