

ONTARIO FORAGE CROP INVESTIGATIONS



2007 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

Compiled by: Donna Hancock

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Variety Sub-Committee Chair
Ontario Forage Crop Committee**

Conducted co-operatively by:

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

This is the 2007 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***Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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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ONTARIO
 New Liskeard
 Alfalfa Registration 2003
 Expt. 3001
 Seeded 2003

Code	Cultivar	2007 (kg/ha)		Tot07	Tot06	Tot05	Tot04	4yrTot
		Cut 1	Cut 2					
1298	5312	5716	2650	8349	9236	9890	10294	38048
1325	MAGNUM_IV	6660	3234	9932	11381	10182	10125	41812
1581	54Q25	7255	3533	10839	11001	10195	10575	42409
1582	54V46	6082	3119	9085	10850	10688	10557	41328
1593	DS328	6681	3382	10117	10262	10281	10181	41180
1594	DS329	6637	3236	9923	10612	10373	9788	40605
1595	DS330	6368	2989	9380	10616	10246	10821	40734
1596	SWLU_8407	5815	2749	8449	9863	9645	10689	38063
1598	54H11	6665	3319	10017	10477	10666	10429	41834
900	Mean	6431	3134	9566	10478	10241	10384	40668
901	CV	7.9	9.4	8.3	4.8	5.4	4.7	2.9
905	MCV	9.5	11.5	10.1	5.8	6.6	5.7	3.5
902	LSD	613.6	359.6	968.1	608.9	670.8	595.8	1432.7
906	LSR	39.9	40.7	38.9	28.4	64.3	57.7	32.8
907	Pr>F(Trts)	0.0128	0.0155	0.0083	0.0004	0.2547	0.3301	0.0002
908	R_square	74.3	77.3	73.5	72.2	81.7	60.4	76.4

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

ONTARIO
 New Liskeard
 Alfalfa registration
 Expt. 4001
 Seeded 2004

Code	Cultivar	2007 (kg/ha)		Tot07	Tot06	Tot05	3yrTot
		Cut 1	Cut 2				
1325	MAGNUM_IV	6520	3774	10290	11171	12802	33962
1602	WL346LH	6186	3299	9523	10245	11902	31733
1603	WL357HQ	6242	3986	10231	9870	11588	32149
1604	P435	6275	4175	10437	10139	11818	31714
1605	P436	6066	3996	10002	9217	11227	30121
1606	P4Q9	6294	3625	9908	10061	10428	30700
1607	GENOA	6372	3658	10050	10168	11936	32907
1610	SA034	6379	3784	10165	10653	11726	32730
1611	SUNSTRA-420	6662	3405	10064	9990	12303	32312
1612	SUNSTRA-421	6026	3781	9740	9322	11930	31519
1613	53V52	6523	3618	10158	10963	12378	33742
3011	TRIF_II	6244	3398	9740	10919	12855	33274
9041	ONEIDA_VR	6137	3542	9662	10517	11584	30818
900	Mean	6302	3696	9998	10249	11883	32129
901	CV	4.7	7.3	4.5	8.8	10.1	4.3
905	MCV	5.6	8.7	5.4	10.6	12.1	5.2
902	LSD	351.9	323.1	540.6	1087.8	1434.1	1663.9
906	LSR	55.4	36.9	59.1	55.7	59.1	43.3
907	Pr>F(Trts)	0.1642	0.0038	0.2328	0.1208	0.3861	0.0090
908	R_square	57.9	73.6	67.1	59.2	44.6	64.0

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

ONTARIO
 Elora
 Ofcc Alfalfa Trial 2004
 Expt. 2814
 Seeded 2004

Code	Cultivar	2007 (kg/ha)			Tot07	Tot06	Tot05	3yrTot
		Cut 1	Cut 2	Cut 3				
909	Filler	4347	1801	1096	7245	10448	8274	25685
910	Filler	4193	1708	1137	7007	10118	8422	25603
1232	GUARDSMAN	3971	1264	821	6046	10404	8225	24438
1311	PREVAIL	3936	1196	767	5898	10072	7820	23783
1325	MAGNUM_IV	3990	1091	686	5714	10041	7804	23473
1602	WL346LH	3984	1432	1499	6943	9622	8328	24816
1603	WL357HQ	4454	1897	1141	7515	10471	8208	26063
1604	P435	4297	1664	1082	7077	10198	9002	26374
1605	P436	4029	2149	1475	7659	10738	8475	27008
1606	P4Q9	4215	1734	1222	7226	10111	8423	25966
1607	GENOA	3908	1344	926	6184	10594	8671	25664
1608	NS04-044	3793	1638	1025	6452	10566	9092	26121
1609	GH700	4065	1017	684	5741	9406	8558	23774
1610	SA034	4045	1903	1251	7173	10265	8263	25567
1611	SUNSTRA-420	4075	1780	1091	6993	11253	8955	27255
1612	SUNSTRA-421	4395	1469	1050	6940	10363	8623	26043
1613	53V52	3793	1241	967	5933	9877	8854	24777
9041	ONEIDA_VR	4023	1206	749	5972	10406	8277	24534
900	Mean	4084	1530	1037	6651	10275	8460	25386
901	CV	8.3	11.8	14.3	7.5	5.5	6.4	5.2
905	MCV	11.5	16.4	19.9	10.4	7.6	8.9	7.2
902	LSD	470.7	250.2	206.1	692.7	778.3	752.6	1824.6
906	LSR	71.2	22.1	25.3	35.6	42.1	58.4	48.2
907	Pr>F(Trts)	0.5896	0.0000	0.0000	0.0001	0.1216	0.2973	0.0465
908	R_square	63.9	86.9	81.1	80.0	85.0	75.7	82.8

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

Ontario
 Elora
 Registration Trial A -yield
 Expt. 2821
 Seeded 2005

Code	Cultivar	2007 (kg/ha)			Tot07	Tot06	2yrTot
		Cut 1	Cut 2	Cut 3			
1325	MAGNUM_IV	7166	3627	869	11635	12130	23828
1432	OAC_SUPERIOR	7164	4456	865	12471	12514	24949
1584	54H91	6619	3011	688	10316	11646	21947
1585	DAKOTA	7279	3911	1066	12183	12270	24474
1613	53V52	7196	3691	841	11839	11938	23624
1616	53Q30	7262	3923	1054	12217	11058	23237
1617	WL_348_AP	7572	4386	955	12914	12398	25366
1618	WL_345_LH	6683	3730	958	11291	11788	23115
1619	EVERMORE	7482	4446	1043	12989	12939	25973
1620	MARVEL	7366	4477	1208	13101	12518	25688
1621	SL-A5001	7353	4292	942	12525	12448	24889
1622	GS55	7237	3590	883	11646	12468	24123
1623	GS58	7234	4225	1259	12776	12399	25221
1624	QS05009	7307	4231	1124	12703	12105	24622
1625	QS04027	7246	4390	1245	12986	11838	25112
1626	QS04023	6777	3637	1003	11388	11294	22793
1627	QS15041	6802	4476	1166	12529	12164	24887
1628	QS14032	7303	3469	852	11629	11111	22658
1630	FSG400LH	7168	3833	980	11953	11819	23719
1631	FSG406	7583	4559	1040	13187	11693	24679
1632	ESCALADE	7374	4238	1012	12607	11903	24483
1633	GUARDSMAN_II	7252	4072	1046	12428	11736	24107
1635	SA_220	6524	3219	976	10571	11762	22417
1636	RADAR	7635	5266	1172	14092	13189	27374
911	filler	6932	3223	791	10956	11825	22598
900	Mean	7181	4015	1001	12197	12038	24235
901	CV	5.0	16.1	12.2	7.6	5.9	5.8
905	MCV	6.0	19.0	14.5	8.9	7.0	6.9
902	LSD	427.3	764.9	144.7	1088.2	838.0	1663.6
906	LSR	38.5	33.9	25.4	28.8	39.3	30.7
907	Pr>F(Trts)	0.0006	0.0013	0.0000	0.0000	0.0133	0.0001
908	R_square	66.0	74.7	67.9	75.3	60.0	71.6

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

Alfalfa Trial C seeded 2005, harvested 2007, Kemptville

Variety	code	1st cut	2nd cut	3rd cut	Total
53Q30	1616	8219	2650	4044	14913
53V52	1613	8513	2362	4400	15275
54H91	1584	7385	2769	3814	13967
Escalade	1632	7812	3206	4416	15434
Evermore	1619	8633	2359	5000	15993
FSG400LH	1630	9085	3196	3731	16012
FSG406	1631	7792	2351	4009	14151
GS55	1622	9332	2621	4243	16196
GS58	1623	7351	2883	4413	14647
Guardsmen_II	1633	7779	2714	4056	14549
Magnum_IV	1325	7689	2593	3996	14278
Marvel	1620	8314	3435	4299	16048
OAC_Superior	1432	8283	2934	4045	11381
Filler	911	7657	2591	4661	14909
QS04023	1626	8261	3090	4322	15673
QS04027	1625	8207	3063	4196	15465
QS05009	1624	7463	3057	4590	15110
QS14032	1628	7057	3229	5192	15479
QS15041	1627	8567	3350	4727	16645
SA_220	1635	7789	3159	4233	15180
SL-A5001	1621	4984	2926	3831	11741
WL319HQ	1599	7372	3057	3835	14264
WL345LH	1618	7760	3058	3894	14712
WL348AP	1617	8123	3251	4041	15415
Mean		7973	2913	4249	15132
CV		11.1	13.2	10.6	8.2
SE Mean		103.1	47.0	55.5	139.3

ONTARIO
 New Liskeard
 alfalfa registration 2005
 Expt. 5001
 Seeded 2005

Code	Cultivar	2007 (kg/ha)		Tot07	Tot06	2yrTot
		Cut 1	Cut 2			
1325	MAGNUM_IV	6310	3787	10039	10247	20403
1432	OAC_SUPERIOR	6591	4811	11383	10953	22384
1613	53V52	6513	4213	10694	11469	22167
1616	53Q30	6264	4257	10563	10093	20630
1622	GS55	6319	3988	10333	10712	21039
1623	GS58	6446	4394	10881	10064	20868
1635	SA_220	6126	4083	10185	9141	19305
911	filler	6334	3983	10343	10969	21272
900	Mean	6363	4189	10553	10456	21008
901	CV	3.5	6.0	3.8	6.7	4.5
905	MCV	4.2	7.4	4.7	8.2	5.5
902	LSD	268.4	309.6	496.6	859.6	1151.0
906	LSR	57.7	30.2	37.0	36.9	37.4
907	Pr>F(Trts)	0.1589	0.0009	0.0050	0.0069	0.0054
908	R_square	80.6	75.8	79.0	74.8	78.1

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

ONTARIO
 Elora
 Ofcc Registration Trial A
 Expt. 2859
 Seeded 2006

Code	Cultivar	2007 (kg/ha)			Tot07
		Cut 1	Cut 2	Cut 3	
1325	MAGNUM_IV	4644	2061	1337	8149
1432	OAC_SUPERIOR	4840	1883	1222	7831
1608	NS04-044	4696	1682	1269	7687
1616	53Q30	4688	1851	1082	7751
1637	53H92	4821	1879	1282	7962
1638	54V09	4869	2299	1266	8488
1639	SF2303	4707	2031	1109	7927
1640	SF2103	4546	2174	1419	8076
1641	SF2104	4749	2272	1417	8397
1642	GS25	5000	2153	1345	8343
1643	GS_89	4564	2261	1360	8107
1644	42H159_NK	4762	1712	1050	7483
1645	X-692	4589	2053	1349	8059
1646	WL343HQ	4765	2070	1414	8288
1647	QS416	4890	1881	1090	7885
1648	QS34029	4663	1723	1149	7654
1649	QS85029	4733	1883	1321	7904
1650	QS25006	4887	1973	1233	8213
1651	QS35006	4844	1958	1206	8039
911	filler	4922	2078	1411	8141
900	Mean	4759	1994	1266	8019
901	CV	5.2	17.8	16.3	7.5
905	MCV	6.2	21.2	19.5	8.9
902	LSD	296.5	422.2	246.5	713.2
906	LSR	65.3	68.5	66.8	71.0
907	Pr>F(Trts)	0.5552	0.4268	0.1911	0.7507
908	R_square	62.0	67.6	67.5	55.3

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

ONTARIO
 Huron Park
 Alfalfa Registration 2006
 Expt. 5065
 Seeded 2006

Code	Cultivar	2007 (kg/ha)			Tot07
		Cut 1	Cut 2	Cut 3	
1325	MAGNUM_IV	6139	1544	2237	9726
1432	OAC_SUPERIOR	6246	2118	1826	10425
1639	SF2303	11510	1707	1742	14874
1640	SF2103	11374	2057	1931	15618
1641	SF2104	5879	2164	1998	9768
1642	GS25	11883	1994	2290	16002
1643	GS_89	6018	1963	1896	9839
1644	42H159_NK	14349	2012	1905	18396
911	filler	13016	1906	1932	16988
900	MEAN	9602	1941	1973	13515
901	CV	5.0	14.2	16.3	4.8
905	MCV	6.0	17.3	19.8	5.8
902	LSD	580.4	335.7	391.4	785.7
906	LSR	6.9	54.1	71.4	9.1
907	PR>F(TRTS)	0.0000	0.1680	0.4608	0.0000

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

ONTARIO
 New Liskeard
 Alfalfa Registration 2006
 Expt. 6001
 Seeded 2006

Code	Cultivar	2007 (kg/ha)		
		Cut 1	Cut 2	Tot07
1325	MAGNUM_IV	6323	2991	9291
1432	OAC_SUPERIOR	6380	2913	9541
1616	53Q30	6332	2916	9247
1638	54V09	7160	2957	9818
1645	X-692	6454	2995	9517
1911	Filler	5947	2724	8677
900	Mean	6433	2916	9349
901	CV	6.3	6.3	5.8
905	MCV	7.8	7.9	7.2
902	LSD	504.3	230.8	675.3
906	LSR	41.6	85.2	59.2
907	Pr>F(Trts)	0.1163	0.3876	0.2219
908	R_square	77.1	61.9	66.1

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

ONTARIO
 Thunder Bay
 Alfalfa 2006
 Seeded 2006

2007 (kg/ha)

Entry	Code	Cut 1	Cut 2	Total
OAC Superior	1432	2417	1882	4299
Filler	911	2818	1752	4569
Magnum IV	1325	3003	1777	4780
4.2	1600	2736	1997	4733
MEAN		2743	1852	4595
C.V. (%)		9.9	17.4	9.8
PR>F		0.0726	0.7013	0.4663
LSD (0.05)		432	NS	NS

E2825 Alfalfa Performance Trial, seeded 2005, harvested
2007, Elora

code	entry	yield (kg/ha)			
		cut 1	cut 2	cut 3	total
1073	SURPASS	6779	2269	1468	10387
1294	DOMINION	6467	1851	1063	9371
1325	MAGNUM_IV	6719	1844	1109	9655
1388	GOLD_PLUS_MF	6723	1621	1146	9427
1392	AMERIGRAZE40	7151	2367	1239	10640
1402	GRAZEMASTER	6535	2014	1281	9766
1409	AFFINITY+Z	6828	1417	985	9177
1410	STALLION	6544	2009	1283	9789
1411	JOLT	6330	1683	1104	9189
1416	RENAISSANCE	6582	1467	921	9035
1419	54V54	6737	1685	1190	9631
1432	OAC_SUPERIOR	7120	2124	1171	10380
1448	PICKSD8925MF	6303	1551	987	8860
1462	RHINO	6664	1679	1059	9432
1471	ENHANCER	6648	1799	1224	9610
1474	GENEVA	6821	2109	1287	10274
1479	MARQUIS	6073	1370	948	8441
1481	APPROVED	6316	1442	1084	8846
1482	WINTERGOLD	6511	2006	1287	9754
1486	AC_BRADOR	6755	1379	866	9004
1498	134	6776	2138	1386	10314
1504	PICKSD2065MF	6733	1979	1270	9954
1512	WL_327	6839	2019	1360	10308
1521	MAGNUM 3801	6863	2509	1288	10744
1524	HYBRID-FORCE	6651	1695	1039	9424
1525	FORECAST_100	6884	2042	1220	10131
1527	MACON	6982	1827	1093	9940
1535	RELIANCE	6605	1835	1133	9622
1537	VALIANT	6804	1990	1422	10208
1541	MULTIPLIER_3	6221	1510	908	8749
1577	STARBUCK	6988	1806	1152	10049
1579	ASCEND	6683	2177	1331	10248
1580	STEAK	6588	1887	1056	9534
1582	54V46	6966	2138	1366	10527
1584	54H91	6525	1681	1069	9217
1586	CK2000	6873	1798	1072	9812
1599	WL319HQ	6303	1932	1171	9466
1600	4_2	7242	1977	1172	10443
1601	FSG300LH	6392	1923	1091	9413
1607	GENOA	6809	2128	1524	10415
1609	GH700	6965	2071	1324	10367
1610	SA034	6497	2211	1216	9941
1613	53V52	6646	1608	1048	9184
1615	STEALTHSF	6679	2445	1590	10715
1624	QS05009	6647	2157	1429	10181
1633	GUARDSMAN_II	6512	1756	1158	9322
1635	SA_220	6322	2390	1373	10034
1636	CW75046	5158	2109	1267	8528
911	Filler	6577	2173	1101	9810
Mean		6379	1872	1167	9545
CV		9.6	20.1	13.3	9.4

E2829 Alfalfa Performance Trial, seeded 2005,harvested 2007, New Liskeard

Code	Entry	1 st cut	Yield Kg/Ha		Total '07	Total '06
			2 nd cut			
1582	54V46	6452	4423		11424	12282
1471	ENHANCER	6157	4147		11396	12149
1615	STEALTHSF	6300	4470		11861	11643
1636	CW75046	6671	5142		11714	11764
1504	PICKSD2065MF	6404	4135		11059	12273
1609	GH700	6538	5082		11358	11854
1613	53V52	6557	4315		10940	12185
1388	GOLD_PLUS_MF	6442	4063		11481	11535
1486	AC BRADOR	6243	4363		10685	12299
1432	OAC_SUPERIOR	6595	4171		11223	11659
1073	SURPASS	6271	4255		10804	12044
1410	STALLION	6509	4255		10863	11965
1527	MACON	6718	4447		10472	12311
1411	JOLT	6128	3919		10922	11862
1448	PICKSD8925MF	6509	4015		10649	12070
1482	WINTERGOLD	6699	4027		10843	11855
1600	4_2	6262	4638		11301	11367
1294	DOMINION	6680	4279		10790	11864
1537	VALIANT	6785	4518		11409	11222
1512	WL 327	6347	4339		10621	11991
1525	FORECAST_100	6195	4255		10888	11526
1607	GENOA	6652	4854		11339	11062
1584	54H91	6404	4399		10748	11606
1479	MARQUIS	6262	4075		10279	12057
1524	HYBRID-FORCE	6243	4111		10501	11769
1535	RELIANCE	6290	4327		10707	11534
1586	CK2000	6385	4375		10803	11399
1521	MAGNUM 3801	6414	4195		10930	11241
1541	MULTIPLIER_3	6535	4650		10436	11733
1599	WL319HQ	6633	4602		10774	11391
1633	GUARDSMAN II	6328	4830		10676	11329
1416	RENAISSANCE	6328	4063		10466	11499
1462	RHINO	6252	4207		10301	11651
1409	AFFINITY+Z	6233	3943		10697	11240
1580	STEAK	6319	4267		10718	11143
1610	SA034	6633	4674		10816	11029
1419	54V54	6119	4219		10329	11513
1579	ASCEND	6385	4674		11064	10680
1392	AMERIGRAZE40	6233	4219		10363	11311
911	Filler	6890	5369		10031	11612
1601	FSG300LH	6528	4782		10652	10883
1474	GENEVA	6328	4315		10555	10868
1402	GRAZEMASTER	6319	4099		10656	10736
1325	MAGNUM IV	6585	4470		10765	10549
1577	STARBUCK	6757	4542		10929	10341
1498	134	6376	4219		10746	10374
1624	QS05009	6224	4303		10896	10187
1481	APPROVED	6252	4411		9975	10907
1635	SA 220	6509	5022		10494	9712
Mean		6426	4397		10823	11451
C.V.		6.0%	7.7%		5.3%	8.0%

ONTARIO
 New Liskeard
 Orchard Grass Performance
 Expt. 2833
 Seeded 2005

Code	Cultivar	2007 (kg/ha)		Tot07	Tot06	2yrTot
		Cut 1	Cut 2			
3003	KAY	5008	2703	7710	8656	16366
3066	RAPIDO	4792	2879	7671	8855	16526
3078	AC_SPLENDOR	4324	2347	6671	9531	16202
3079	OKAY	5227	2691	7918	9690	17607
3086	HAYMATE	5490	2986	8477	10052	18529
3094	ORCA	4742	2743	7485	9916	17401
3096	OG9401	5130	2826	7956	10886	18842
3104	HAKA	4333	2647	6980	9444	16424
900	Mean	4881	2728	7608	9629	17237
901	CV	13.9	15.1	12.9	6.9	8.5
905	MCV	17.0	18.4	15.8	8.4	10.3
902	LSD	827.6	501.7	1199.0	808.2	1773.7
906	LSR	71.0	78.4	66.4	36.2	67.2
907	Pr>F(Trts)	0.2240	0.5589	0.2814	0.0037	0.1046
908	R_square	36.1	30.1	33.0	60.4	41.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Orchard Grass Registration
 Expt. 6002
 Seeded 2006

Code	Cultivar	2007 (kg/ha)		
		Cut 1	Cut 2	Tot07
3078	AC_SPLENDOR	5044	2644	7688
3079	OKAY	5457	2676	8133
3086	HAYMATE	5751	3137	8888
3096	OG9401	5391	2789	8180
3111	OG0001	5872	3217	9088
3110	OG01	5991	2823	8814
900	Mean	5584	2881	8465
901	CV	10.7	10.7	7.8
905	MCV	13.3	13.3	9.7
902	LSD	744.0	382.9	819.5
906	LSR	78.6	66.9	58.5
907	Pr>F(Trts)	0.2864	0.0846	0.0607
908	R_square	36.4	67.1	58.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue Registration
 Expt. 3003
 Seeded 2003

Code	Cultivar	2007 (kg/ha)		Tot07	Tot06	Tot05	Tot04	4yrTot
		Cut 1	Cut 2					
5008	COMMON	4336	3047	7383	10928	5480	11164	34955
5031	BOR_86218	5006	2493	7499	10759	5830	10614	34702
5523	COURTENAY	5715	2777	8493	11355	6640	10829	37318
900	Mean	5019	2772	7791	11014	5984	10869	35658
901	CV	3.8	10.2	3.2	10.3	7.7	4.4	4.7
905	MCV	5.3	14.1	4.4	14.1	10.6	6.1	6.4
902	LSD	263.8	390.1	339.3	1554.1	631.3	662.5	2284.8
906	LSR	19.1	70.4	30.6	260.4	54.4	120.5	87.3
907	Pr>F(Trts)	0.0003	0.0853	0.0017	0.7557	0.0299	0.3355	0.1239
908	R_square	94.9	67.9	89.9	28.2	76.5	49.7	56.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue 2004
 Expt. 4004
 Seeded 2004

Code	Cultivar	2007 (kg/ha)		Tot07	Tot06	Tot05	3yrTot
		Cut 1	Cut 2				
5032	EXCELLA	4118	2350	6467	10038	5669	22174
5523	COURTENAY	5585	2511	8097	11262	6328	25687
900	Mean	4851	2431	7282	10650	5999	23931
901	CV	5.3	10.1	6.6	10.6	4.0	4.6
905	MCV	8.9	16.9	11.0	17.7	6.7	7.6
902	LSD	430.5	410.0	804.5	1886.3	399.8	1814.7
906	LSR	29.3	253.6	49.4	154.1	60.7	51.7
907	Pr>F(Trts)	0.0068	0.4241	0.0206	0.2241	0.0331	0.0229
908	R_square	95.6	53.7	88.9	55.6	92.2	88.6

RCBD arrangement, 4 blocks {1234}

ONTARIO
Kemptonville
Tall Fescue 2004
Seeded 2004

Code	Cultivar	2007 (kg/ha)		
		Cut 1	Cut 2	Tot07
5032	EXCELLA	6989	4252	11241
5523	COURTENAY	8345	5687	14031
900	Mean	7667	4969	12636
901	CV	10.6	4.0	8.0
	SE Mean	452.2	378.7	786.4

ONTARIO
Kemptville
Reed Canary Test 2004
Expt. 4005
Seeded 2004

Code	Cultivar	2007 (kg/ha)		
		Cut 1	Cut 2	Tot07
5013	PALATON	10472	7350	17822
5036	PR04-01	13526	7601	21127
900	Mean	11999	7475	19475
901	CV	5.5	9.0	6.6
	SE Mean	700.6	209.1	803.4

ONTARIO
 New Liskeard
 Reed Canary Test 2004
 Expt. 4005
 Seeded 2004

Code	Cultivar	2007 (kg/ha)		Tot07	Tot06	Tot05	3yrTot
		Cut 1	Cut 2				
5013	PALATON	4436	3533	7969	10533	7752	26254
5036	PR04-01	4515	3346	7861	9784	7332	24977
900	Mean	4475	3440	7915	10159	7542	25616
901	CV	10.5	14.4	12.2	4.2	10.1	1.8
905	MCV	17.5	23.9	20.2	7.0	16.7	2.9
902	LSD	783.3	823.2	1600.4	714.6	1262.2	746.8
906	LSR	992.8	441.5	1488.0	95.4	300.3	58.5
907	Pr>F(Trts)	0.8096	0.6314	0.8556	0.0913	0.4930	0.0304
908	R_square	35.6	38.4	33.7	85.6	68.0	97.2

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Timothy Registration Test
 Expt. 3002
 Seeded 2003

Code	Cultivar	2007 (kg/ha)					
		Cut 1	Tot07	Tot06	Tot05	Tot04	4yrTot
6002	CLIMAX	5397	5397	10214	5855	8249	29714
6026	ITASCA	6253	6253	10281	6082	9352	31968
6030	TORO	5631	5631	10338	6041	9484	31493
6050	RICHMOND	5621	5621	10339	6547	9786	32293
6156	BOR_9911	5740	5740	9997	6231	9035	31004
6157	YPRA-7	5777	5777	10723	5723	10309	32532
6158	YPCB-4	5881	5881	11311	6443	9539	33174
6159	YPTB-2	5587	5587	10309	6615	10366	32877
900	Mean	5736	5736	10439	6192	9515	31882
901	CV	9.5	9.5	8.4	9.9	5.3	5.9
905	MCV	11.6	11.6	10.2	12.0	6.5	7.1
902	LSD	663.8	663.8	1065.2	744.9	617.7	2276.3
906	LSR	77.5	77.5	81.1	83.5	29.2	65.8
907	Pr>F(Trts)	0.5485	0.5485	0.5555	0.3843	0.0002	0.2381
908	R_square	29.0	29.0	29.8	40.4	75.3	37.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Late Timothy Registration
 Expt. 4002
 Seeded 2004

Code	Cultivar	2007 (kg/ha)				
		Cut 1	Tot07	Tot06	Tot05	3yrTot
6002	CLIMAX	4836	4836	8740	5175	18752
6026	ITASCA	4723	4723	9847	5282	19852
6161	NS04-T01	5164	5164	10892	5143	21200
900	Mean	4908	4908	9827	5200	19934
901	CV	3.8	3.8	6.2	7.6	3.6
905	MCV	5.2	5.2	8.5	10.5	4.9
902	LSD	254.0	254.0	832.9	545.3	975.2
906	LSR	57.5	57.5	38.7	393.4	39.8
907	Pr>F(Trts)	0.0355	0.0355	0.0077	0.8728	0.0087
908	R_square	91.2	91.2	84.4	70.7	87.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
Kemptville
Late Timothy Registration

Seeded 2004

Code	Cultivar	2007 (kg/ha)		
		Cut 1	Cut 2	Tot07
6002	CLIMAX	9135	5288	14423
6026	ITASCA	8938	5166	14104
6161	NS04-T01	8719	5785	14505
900	Mean	8931	5413	14344
901	CV	7.9	15.3	6.7
	SE Mean	235.8	715.3	863.2

ONTARIO
 New Liskeard
 Meadow Fescue Test 2004
 Expt. 4003
 Seeded 2004

Code	Cultivar	2007 (kg/ha)				3yrTot
		Cut 1	Tot07	Tot06	Tot05	
5033	MIMER	3100	3100	6797	5753	15651
5034	EPIC	3317	3317	7722	6158	17196
5035	MERIFEST	3459	3459	8388	5424	17270
900	Mean	3292	3292	7636	5778	16706
901	CV	7.9	7.9	6.6	5.5	4.8
905	MCV	10.8	10.8	9.0	7.5	6.6
902	LSD	356.6	356.6	690.1	435.9	1099.5
906	LSR	99.5	99.5	43.4	59.4	67.9
907	Pr>F(Trts)	0.2245	0.2245	0.0126	0.0462	0.0488
908	R_square	62.3	62.3	84.6	86.7	79.8

RCBD arrangement, 4 blocks {1234}

Ontario
 Kemptville
 Perennial Ryegrass Test 2005
 Seeded 2005

Harvested 2007
 Yield Kg/ha

Variety	Code	1st cut	2nd cut	Total	% ryegrass mean
Bargala	8518	5242	4137	9379	107.6
Barnhem	8519	5216	2875	8091	92.8
Barsprinter	8517	6564	3817	10380	119.1
Bastion	8525	4411	3952	8363	96.0
Citadel	8522	4220	2969	7189	82.5
Condesa	8523	4977	3923	8900	102.1
Garibaldi	8515	4675	3115	7790	89.4
Norlea	8524	6300	3807	10107	116.0
PSGG9-04	8521	6126	2974	9099	104.4
Remington	8520	6163	3721	9884	113.4
Spidola	8516	4993	2642	7635	87.6
Tivoli	8514	4407	3352	7758	89.0
Test Mean					
Ryegrass		6146	4128	10274	
mean		5275	3440	8715	
CV		13.7	17.1	9.8	
SE Mean		336.4	252.8	557.9	