

REPORT ON FORAGE CROPS TRIALS

ONTARIO FORAGE CROP COMMITTEE

Compiled by: Donna Hancock

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Ontario Forage Crop Committee**

Conducted co-operatively by:

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

This is the 2015 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Not For Publication: This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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.

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VARIETY SUB-COMMITTEE**

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Contents

Introduction	
Coordinators, names, addresses	2
Alfalfa	
Yield data	4
Red Clover.....	17
Timothy	
Late (Climax) harvest management.....	19
Early (Richmond) harvest management.....	27
Bromegrass	
Yield data.....	28
Orchardgrass	
Yield data.....	30
Tall Fescue	
Yield data.....	33
Perennial Ryegrass	
Yield data.....	39
Heading dates & % Stand Notes.....	41

ONTARIO
 Elora
 Alfalfa Registration Trial
 Expt. 2925
 Seeded 2014

Code	Cultivar	2015 (kg/ha)			Tot15
		Cut 1	Cut 2	Cut 3	
1432	OAC SUPERIOR	4207	4002	2512	10594
1652	55V48	4418	4171	2888	11503
1766	55Q27	4331	3978	2953	11371
1782	CFL1401	3663	3899	3032	10612
1783	54Q14	3660	3979	2660	10296
1784	GS-14-05	4066	3917	3154	11168
1785	GS-14-06	3900	4092	2780	10719
900	Mean	4035	4005	2854	10895
901	CV	9.4	6.6	3.1	4.5
905	MCV	11.6	8.2	3.9	5.5
902	LSD	468.4	328.6	110.7	603.1
906	LSR	61.7	120.9	17.3	50.0
907	Pr>F(Trts)	0.0637	0.8260	0.0000	0.0380
908	R_square	56.8	47.1	91.7	62.6

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

ONTARIO
 New Liskeard
 Alfalfa Reg A
 Expt. 1401
 Seeded 2014

Code	Cultivar	2015 (kg/ha)		
		Cut 1	Cut 2	Tot15
1432	OAC_SUPERIOR	6090	3535	9640
1652	55V48	5762	3257	8997
1766	55Q27	6202	3746	9910
1782	CFL1401	5188	2982	8197
1783	54Q14	6232	3195	9438
1784	GS-14-05	5752	3548	9316
1785	GS-14-06	5777	3523	9290
900	Mean	5858	3398	9256
901	CV	4.0	4.5	3.8
905	MCV	5.0	5.5	4.7
902	LSD	291.5	187.7	434.4
906	LSR	27.9	24.6	25.4
907	Pr>F(Trts)	0.0003	0.0002	0.0002
908	R_square	87.2	79.1	84.9

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

OFCC 2014 Alfalfa Varieties
Thunder Bay

TREATMENTS	DRY MATTER YIELD (kg/ha)			TOTAL
	Code	1st CUT	2nd CUT	
GS-14-05	1784	3152	2492	5643
GS-14-06	1785	3134	2776	5911
55Q27	1766	3011	2444	5455
55V48	1652	3085	2984	6069
54Q14	1783	3148	2867	6015
OAC Superior	1432	3173	2718	5892
MEAN		3117	2714	5831
C.V. (%)		7	15	9
PR>F		0.8935	0.3801	0.5057
LSD (0.05)		NS	NS	NS

Alfalfa Registration A seeded 2014

Winchester

Entry Variety	Code	Cut 1	Cut 2	Cut 3	Total
		Yield (kg/ha)			
CFL1401	1782	5106.6	3440.0	3186.7	11733.3
GS-14-15	1784	5802.8	4048.6	3418.2	13269.6
GS-14-106	1785	5716.3	3802.7	2938.9	12130.9
OAC_Superior	1432	5994.7	3912.2	2987.1	12894.0
55Q27	1766	6180.4	3630.2	3172.9	12983.5
55Q48	1652	6316.5	4181.8	3463.6	13961.8
55Q14	1783	6116.0	4490.4	3567.1	14173.5
Mean		5890.5	3929.4	3247.8	13020.9
CV		13.8	12.9	11.5	8.3
LSD (P=0.05)		1205.3	751.3	557.6	1607.9

ONTARIO
 Elora
 Alfalfa Registration Trial
 Expt. 2920
 Seeded 2013

Code	Cultivar	2015 (kg/ha)			Tot15	Tot14	2yrTot
		Cut 1	Cut 2	Cut 3			
1432	OAC SUPERIOR	5519	4239	3478	13066	11394	24399
1652	55V48	5312	4208	3489	13134	11236	24288
1665	WL363HQ	5342	4147	3785	13294	11944	25146
1722	WL354HQ	5078	4087	3680	12836	11454	24304
1751	PROSEMENTI	5275	3896	3658	12924	11126	24137
1752	MINERVA	5175	4078	3657	12914	11327	24156
1766	55Q27	4795	3831	3275	11864	11250	23079
1768	CFL1204	5060	3935	3819	12814	11637	24378
1769	CFL1301	5866	4411	3708	14117	12272	26546
1770	CFL1302	5421	3999	3596	12981	12243	25249
1771	QS-28	5095	4220	3952	13195	11778	24945
1772	QS-29	5157	4189	3387	12693	10868	23397
1773	LELIA	5145	3980	3935	13031	11460	24465
1774	403LR	4860	4105	3157	12160	10422	22604
1775	GS-13-06M	5322	4434	3755	13550	12203	25977
1776	GS-13-08SC	5268	4318	3648	13173	11201	24491
900	Mean	5231	4130	3624	12984	11488	24473
901	CV	6.9	6.1	5.9	3.7	3.5	2.6
905	MCV	8.2	7.2	7.0	4.4	4.2	3.1
902	LSD	429.6	299.3	252.9	574.7	480.7	753.9
906	LSR	40.1	49.6	31.8	25.5	26.0	19.1
907	Pr>F(Trts)	0.0516	0.0577	0.0001	0.0001	0.0000	0.0000
908	R_square	68.3	71.6	61.6	74.7	78.3	82.5

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

ONTARIO
 New Liskeard
 Alfalfa Reg C
 Expt. 1301
 Seeded 2013

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	2yrTot
		Cut 1	Cut 2			
1432	OAC_SUPERIOR	6829	1699	8507	9519	17998
1652	55V48	7074	1559	8614	9782	18404
1768	CFL1204	6809	1581	8474	9094	17562
1775	GS-13-06M	6562	1576	8164	9091	17275
1776	GS-13-08SC	7154	1758	8841	10281	19129
900	Mean	6886	1635	8520	9553	18074
901	CV	6.7	7.9	5.2	5.4	5.3
905	MCV	8.6	10.2	6.7	6.9	6.7
902	LSD	592.4	166.5	567.1	661.0	1216.7
906	LSR	100.0	83.5	83.8	55.6	65.6
907	Pr>F(Trts)	0.5094	0.2449	0.4400	0.1123	0.2407
908	R_square	84.6	87.6	88.5	88.9	88.8

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

OFCC 2013 Alfalfa Varieties
Thunder Bay

Varieties2015.....				2014	2014-'15
	Code	1st CUT	2nd CUT	TOTAL	TOTAL	TOTAL
OAC Superior	1432	2263	1549	3812	5987	9799
55V48	1652	2133	1876	4009	5873	9882
GS-13-06M	1775	2570	2076	4647	6617	11264
GS-13-08SC	1776	2275	1909	4184	6197	10381
MEAN		2310	1852	4163	6169	10331
C.V. (%)		13	15	13	9	10
PR>F		0.2674	0.1221	0.2146	0.3247	0.2487
LSD (0.05)		NS	NS	NS	NS	NS

Alfalfa Registration B seeded 2013
Winchester

Variety	Entry #	Cut 1	Cut 2	Cut 3	Total
		Yield (kg/ha)			
CFL1204	1768	6891.7	5296.2	3541.8	15642.8
CFL1301	1769	4717.3	5389.7	4133.0	14602.3
CFL1302	1770	7479.8	4773.2	3606.3	15920.8
Lelia	1773	6571.8	4849.6	3810.3	15231.6
OAC Superior	1432	6166.8	5132.0	3747.0	15045.8
QS-28	1771	7799.3	5118.8	3893.2	17720.9
QS-29	1772	5087.8	4818.3	3564.5	13324.5
WL354HQ	1722	6689.9	4425.2	3553.1	14579.2
WL363HQ	1665	5861.9	5161.9	3599.2	14623.1
403LR	1774	6231.4	4941.2	3633.7	14696.5
55V48	1652	6228.5	5312.7	3547.1	15088.4
Mean		6338.7	5019.9	3693.6	15134.2
CV		16.6	11.5	9.2	10.7
LSD (P=0.05)		1551.8	831.1	492.6	2390.6

Alfalfa Registration E seeded 2013
Winchester

Entry		Cut 1	Cut 2	Cut 3	Total
Variety	code	Yield (kg/ha)			
Ascend	1579	6504.3	6461.1	3655.0	16620.4
CFL1101	1732	6940.8	5648.7	3314.5	15904.0
CFL1203	1743	6673.0	6866.6	3429.5	17117.5
CFL1205	1744	6608.8	6487.8	3379.4	15901.5
CFL1206	1745	6034.4	6611.4	3690.7	16336.5
CFL1207	1746	6877.8	6235.7	3368.5	16482.0
DSB-18-T	1736	6759.0	6847.3	3545.8	17152.1
LS603	1737	6561.9	5752.6	3219.8	15534.4
OAC_Superior	1432	6356.1	6304.6	3403.7	16545.0
Optimus	1729	6713.5	5961.5	3634.2	15663.5
PS11A01	1723	6702.7	5110.1	3335.8	15148.6
PS11A02	1724	6303.0	5311.3	3487.1	15101.4
QS-NR	1735	6562.3	5225.8	3298.1	15086.2
Shockwave-BR	1727	6924.3	6605.5	3525.6	17055.4
Starbuck	1577	6213.2	6681.1	3450.6	16344.9
Stockpile	1726	6633.8	7158.4	3585.6	16529.1
5010	1728	6228.6	7367.1	3567.3	17163.0
55V48	1652	6136.4	5984.9	3678.4	15622.1
55V50	1720	6618.6	6147.2	3181.5	15885.3
Valid	1625	6759.4	6691.7	3706.4	16820.1
Mean		6555.6	6273.0	3472.9	16200.7
CV		10.3	16.9	7.6	7.4
LSD (P=0.05)		964.7	1497.3	374.4	1721.4

Alfalfa Registration F seeded 2013

Winchester

Entry	Code	Cut 1	Cut 2	Cut 3	Total
		Yield (kg/ha)			
Akori	1734	6135.1	5623.7	3787.3	15546.0
CW054004	1699	6285.8	5205.1	3719.4	14994.7
CW064004	1697	6566.4	4969.4	3538.8	15074.7
CW065006	1738	6323.5	4816.6	3368.5	14508.6
OAC_Superior	1432	5755.1	5061.0	3503.0	14319.1
Rebound50	1725	6131.7	5416.8	3649.7	15198.2
Starbuck	1577	5481.0	5473.1	3421.8	14375.8
55V48	1652	6154.5	5995.3	3503.5	15653.3
Actis	1648	5801.5	5285.4	3961.4	15048.3
Mean		6070.5	5316.3	3605.9	14968.7
CV		9.0	17.6	8.4	7.0
LSD (P=0.05)		801.4	1362.6	441.2	1529.8

ONTARIO
 New Liskeard
 Alfalfa Registration C
 Expt. 1101
 Seeded 2011

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	Tot13	Tot12	4yrTot
		Cut 1	Cut 2					
1432	OAC_SUPERIOR	2562	1404	3972	8126	11287	9844	32804
1577	STARBUCK	2394	1473	3826	8581	11019	9690	33247
1720	55V50	2867	1458	4384	9466	11338	10992	36045
1721	WL354HQ	2954	1365	4327	8829	10063	9371	32881
1723	PS11A01	2805	1446	4273	8696	10432	9267	32484
1724	PS11A02	3067	1729	4769	9315	11298	9442	34748
1725	REBOUND_5.0	2821	1464	4266	8450	10794	8964	32239
1726	DSA01-T	5046	1630	6672	8281	10563	11104	36555
1727	DSA05-BR	3971	1652	5663	8908	11407	11190	36738
1728	CW055005	5180	1580	6812	8381	10220	8898	34641
1729	CW044019	5241	1714	6903	8335	10141	9610	35754
1735	QS-NR	2161	1145	3242	8128	10610	9321	31462
1736	DSB-18-T	2957	1658	4652	9327	11895	11367	37232
1737	LS603	2623	1493	4098	8251	11137	8998	32364
900	Mean	3332	1515	4847	8648	10872	9861	34228
901	CV	15.7	8.6	11.8	5.5	7.7	6.9	4.9
905	MCV	18.8	10.4	14.1	6.7	9.2	8.2	5.9
902	LSD	626.5	157.1	684.2	575.5	1004.8	812.1	2028.9
906	LSR	20.3	26.9	18.7	43.0	54.8	32.9	35.2
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0010	0.1444	0.0000	0.0000
908	R_square	87.1	86.2	88.5	72.3	57.1	72.7	74.1

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

ONTARIO
 Elora
 Red Clover Reg A
 Expt. 2913
 Seeded 2012

Code	Cultivar	2015 (kg/ha)			Tot15	Tot14	Tot13	3yrTot
		Cut 1	Cut 2	Cut 3				
4073	BELLE	3000	2770	1513	7284	10053	9267	26604
4079	AC_ENDURE	2680	3059	1474	7213	9773	9174	26159
4080	TEMPUS	2937	3068	1309	7313	9887	10666	27866
4088	GS-11-02	3432	3092	1708	8232	9969	9469	27670
900	Mean	3012	2997	1501	7510	9921	9644	27075
901	CV	9.2	11.4	12.7	5.3	5.3	6.4	3.0
905	MCV	11.9	14.8	16.4	6.8	6.8	8.3	3.9
902	LSD	359.1	443.2	246.3	514.1	675.9	802.4	1065.9
906	LSR	47.8	138.0	61.6	50.5	240.7	53.8	62.5
907	Pr>F(Trts)	0.0252	0.5321	0.0882	0.0165	0.8848	0.0261	0.0454
908	R_square	72.6	60.6	64.8	80.4	32.7	64.3	58.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Late Timothy Trial
 Expt. 2922
 Seeded 2013

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	2yrTot
		Cut 1	Cut 2			
6002	CLIMAX	4772	2683	7455	9342	16797
6026	ITASCA	5174	3042	8216	11858	20074
6066	NORMAX	5000	3341	8340	11452	19793
6086	ALEXANDER	4839	3132	7971	11120	19090
6136	EXPRESS	4504	3172	7676	11677	19353
6138	AURORA	4580	2769	7350	10821	18170
6161	TREASURE	5394	2852	8246	12186	20432
6170	CREST	5609	3476	9085	12819	21905
6178	PROJECT	4937	3350	8287	11539	19826
6179	ALTERNATE	4926	2764	7689	11489	19178
900	Mean	4974	3058	8032	11430	19462
901	CV	8.2	13.7	7.4	6.8	6.1
905	MCV	9.9	16.5	8.9	8.2	7.4
902	LSD	493.1	503.2	718.0	937.2	1441.1
906	LSR	44.6	63.5	41.4	27.0	28.2
907	Pr>F(Trts)	0.0183	0.1122	0.0132	0.0003	0.0005
908	R_square	68.6	68.1	78.2	67.9	73.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Late Timothy Reg A
 Expt. 1303
 Seeded 2013

Code	Cultivar	2015 (kg/ha)		Tot14	2yrTot
		Cut 1	Tot15		
6002	CLIMAX	7562	7562	10610	18172
6026	ITASCA	7378	7378	13090	20468
6086	ALEXANDER	7557	7557	10506	18063
6136	EXPRESS	7808	7808	11465	19273
6138	AURORA	7656	7656	11454	19110
6161	TREASURE	7665	7665	10542	18206
6170	CREST	7325	7325	11210	18535
6178	PROJECT	7225	7225	10723	17948
900	Mean	7522	7522	11200	18722
901	CV	6.1	6.1	6.5	5.2
905	MCV	8.8	8.8	9.3	7.5
902	LSD	659.6	659.6	1042.6	1408.1
906	LSR	113.1	113.1	40.4	55.9
907	Pr>F(Trts)	0.7832	0.7832	0.0106	0.0878
908	R_square	32.3	32.3	69.3	57.4

RCBD arrangement, 3 blocks {234}

Late Timothy Registration B seeded fall 2013

Variety	Code	Cut 1 Yield (kg/ha)
Alexander	6086	5847.5
Aurora	6138	5436.1
Climax	6002	5504.9
Crest	6170	5652.8
Express	6136	5688.6
Itasca	6026	5066.3
Treasure	6161	5292.9
Mean		5498.5
CV		5.5
LSD (P=0.05)		446.6

ONTARIO
 New Liskeard
 Late Timothy Reg A
 Expt. 1204
 Seeded 2012

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	Tot13	3yrTot
		Cut 1	Cut 2				
6002	CLIMAX	6467	1674	8140	8328	12843	29311
6026	ITASCA	6523	1342	7865	8802	14036	30703
6066	NORMAX	6801	2046	8847	8510	13582	30939
6086	ALEXANDER	6197	1792	7990	8002	12928	28920
6136	EXPRESS	6395	1814	8210	8474	13501	30185
6138	AURORA	6264	1386	7650	8105	13435	29190
6161	TREASURE	6709	2039	8749	8967	14452	32168
6177	SUMMERGRAZE	6193	1971	8164	8421	12905	29490
900	Mean	6444	1758	8202	8451	13460	30113
901	CV	5.1	13.3	5.8	5.8	6.8	5.0
905	MCV	6.2	16.2	7.1	7.0	8.2	6.0
902	LSD	399.9	285.5	579.7	593.4	1106.9	1814.7
906	LSR	65.7	40.5	48.4	61.5	68.8	55.9
907	Pr>F(Trts)	0.1156	0.0011	0.0246	0.1498	0.1921	0.0763
908	R_square	68.6	69.4	61.2	52.2	76.2	67.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Late Timothy
 Expt. 2903
 Seeded 2011

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	Tot13	Tot12	4yrTot
		Cut 1	Cut 2					
6002	CLIMAX	4018	1823	5840	8595	5709	5144	25288
6026	ITASCA	4480	2113	6593	8670	7124	5290	27676
6066	NORMAX	4066	2124	6190	9044	6554	4873	26661
6081	MARIPOSA	3967	2206	6173	9217	7174	5078	27642
6086	ALEXANDER	4401	1839	6239	8872	6051	5506	26669
6136	EXPRESS	4613	2747	7360	9134	7152	5540	29187
6138	AURORA	4259	2276	6535	9237	6768	5141	27680
6161	TREASURE	4585	2253	6839	9353	7282	5977	29450
6176	AC_PRATT	4386	2074	6459	9186	7216	4854	27716
900	Mean	4308	2162	6470	9034	6781	5267	27552
901	CV	8.3	15.2	8.3	7.2	9.2	6.8	4.0
905	MCV	10.1	18.4	10.0	8.7	11.1	8.3	4.9
902	LSD	434.8	397.0	646.1	787.2	752.7	435.5	1340.0
906	LSR	67.3	42.9	42.5	103.9	47.9	38.8	32.2
907	Pr>F(Trts)	0.1179	0.0253	0.0266	0.7198	0.0105	0.0041	0.0007
908	R_square	51.4	61.0	60.2	70.4	61.6	78.3	84.6

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Late Timothy Reg A
 Expt. 1105
 Seeded 2011

Code	Cultivar	2015 (kg/ha)		Tot14	Tot13	Tot12	4yrTot
		Cut 1	Tot15				
6002	CLIMAX	4876	4876	5693	8769	6881	26219
6026	ITASCA	4922	4922	6047	9482	7617	28068
6066	NORMAX	4949	4949	5936	10268	8105	29257
6081	MARIPOSA	5228	5228	6226	10002	7516	28972
6086	ALEXANDER	4664	4664	5551	9316	6994	26525
6136	EXPRESS	4946	4946	6026	9558	7874	28404
6138	AURORA	4900	4900	5589	9085	7193	26767
6161	TREASURE	5173	5173	5768	10481	7866	29288
6176	AC_PRATT	4852	4852	5512	9238	6990	26591
900	Mean	4946	4946	5816	9578	7448	27788
901	CV	5.2	5.2	5.5	6.2	5.1	3.3
905	MCV	6.2	6.2	6.6	7.5	6.1	4.0
902	LSD	308.2	308.2	386.0	714.5	456.9	1123.0
906	LSR	54.6	54.6	54.1	41.7	37.3	36.6
907	Pr>F(Trts)	0.1370	0.1370	0.0386	0.0063	0.0004	0.0001
908	R_square	90.4	90.4	73.2	86.4	69.4	76.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Late Timothy Reg A
 Expt. 2887
 Seeded 2010

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	Tot13	Tot12	Tot11	5yrTot
		Cut 1	Cut 2						
6002	CLIMAX	4119	1400	5555	8419	4351	4150	7635	29949
6026	ITASCA	4207	3008	7058	10048	5556	5084	9229	37049
6066	NORMAX	4610	2855	7363	9988	5345	4916	9021	36514
6081	MARIPOSA	4717	2613	7501	10494	5213	5004	9186	37550
6086	ALEXANDER	4121	2644	6774	9705	5210	4544	8651	34691
6136	EXPRESS	4533	3036	7578	10433	5154	5220	10803	39349
6138	AURORA	4365	2903	7324	10487	5250	4345	9026	36405
6161	TREASURE	4511	2779	7333	10240	5466	4731	8548	36456
6173	TIFFANY	4403	3307	7700	9862	4973	4374	8930	35795
6174	BOR_88060	4647	2581	7183	9897	5422	5496	8782	36807
6175	BOR_01025	4052	2147	6191	8666	4721	4588	8319	32478
900	Mean	4390	2661	7051	9840	5151	4768	8921	35731
901	CV	6.4	10.9	4.9	6.1	6.6	7.8	6.0	3.6
905	MCV	7.7	13.1	5.9	7.3	7.9	9.3	7.2	4.4
902	LSD	339.2	347.7	415.4	717.3	408.2	445.7	641.2	1559.4
906	LSR	50.9	18.2	19.4	34.6	33.9	33.1	20.2	16.6
907	Pr>F(Trts)	0.0203	0.0000	0.0000	0.0004	0.0015	0.0005	0.0000	0.0000
908	R_square	72.6	85.6	88.8	73.1	89.2	81.7	84.2	91.3

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

ONTARIO
 Elora
 Early Timothy Trial
 Expt. 2921
 Seeded 2013

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	2yrTot
		Cut 1	Cut 2			
6030	TORO	5127	2750	7877	10366	18243
6050	RICHMOND	5914	2959	8873	10818	19691
6162	DERBY	5496	2825	8321	10629	18949
6179	ALTERNATE	5719	2841	8560	10691	19251
900	Mean	5564	2844	8408	10626	19033
901	CV	6.0	10.0	7.1	5.7	3.9
905	MCV	9.5	15.8	11.3	9.1	6.2
902	LSD	529.6	449.2	951.2	963.9	1173.1
906	LSR	67.3	215.1	95.5	213.2	81.0
907	Pr>F(Trts)	0.1125	0.8385	0.3142	0.8284	0.2106
908	R_square	64.8	83.1	71.5	54.0	82.3

RCBD arrangement, 3 blocks {234}

ONTARIO
 New Liskeard
 Bromegrass Reg A
 Expt. 1103
 Seeded 2011

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	Tot13	Tot12	4yrTot
		Cut 1	Cut 2					
2039	BRAVO	5577	1039	6616	6625	8240	10403	31884
2051	RADISSON	5425	1292	6717	6377	8137	10546	31777
2054	PADDOCK	2949	645	3594	3399	4435	11412	22840
2057	FLEET	6742	1243	7985	7148	9243	10778	35154
2060	PEAK	5338	1415	6753	7052	9149	10544	33498
2068	ARMADA	6520	1365	7886	6911	9414	11218	35428
2069	ADMIRAL	5788	1385	7173	6677	9035	10568	33453
900	Mean	5477	1198	6675	6313	8236	10781	32005
901	CV	4.3	28.9	5.9	9.2	8.5	9.1	4.5
905	MCV	5.2	35.5	7.2	11.3	10.4	11.1	5.6
902	LSD	286.6	425.1	479.2	715.2	854.8	1199.4	1784.3
906	LSR	7.6	55.2	10.9	19.1	17.2	118.8	14.2
907	Pr>F(Trts)	0.0000	0.0606	0.0000	0.0000	0.0000	0.7140	0.0000
908	R_square	98.1	45.9	96.0	87.7	90.4	27.5	92.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Orchardgrass Trial 2014
 Expt. 2926
 Seeded 2014

Code	Cultivar	2015 (kg/ha)			Tot15
		Cut 1	Cut 2	Cut 3	
3079	OKAY	3225	1665	1651	6542
3096	DIVIDEND_VL	2879	1988	1457	6324
3113	PROPER	2832	1822	1840	6494
3117	HAYMASTER	3553	1651	1736	6940
3121	PPG-OG103	2725	2060	1909	6694
900	Mean	3043	1837	1719	6599
901	CV	6.7	13.3	7.5	6.2
905	MCV	10.2	20.2	11.3	9.4
902	LSD	310.1	370.6	195.0	621.3
906	LSR	37.5	90.4	43.2	100.9
907	Pr>F(Trts)	0.0063	0.2360	0.0190	0.4777
908	R_square	84.2	53.6	75.1	50.6

RCBD arrangement, 3 blocks {124}

Orchardgrass Late Registration A
seeded fall 2013

Kemptville

Variety	Code	Cut 1 Yield (kg/ha)
Dividend VL	3096	4075.3
Echelon	3120	4118.2
Okay	3079	4038.1
Proper	3113	3371.3
Mean		3900.7
CV		14.0
LSD (P=0.05)		870.7

ONTARIO
 Elora
 Late Orchardgrass Reg A
 Expt. 2904
 Seeded 2011

Code	Cultivar	2015 (kg/ha)			Tot15	Tot14	Tot13	Tot12	4yrTot
		Cut 1	Cut 2	Cut 3					
3079	OKAY	2708	1418	1635	5761	9382	7341	4644	27128
3086	HAYMATE	2528	1450	1648	5626	9065	7851	4486	27028
3096	DIVIDEND_VL	2368	1325	1511	5204	8914	6183	3718	24020
3118	AC_KILLARNEY	2115	1478	1551	5144	8614	6552	3953	24262
3119	AC_KOOTENAY	2067	1291	1354	4711	8341	5327	3132	21510
900	Mean	2357	1392	1540	5289	8863	6651	3987	24790
901	CV	13.8	11.2	6.9	9.0	8.3	7.5	6.8	6.2
905	MCV	17.4	14.1	8.7	11.4	10.5	9.5	8.6	7.9
902	LSD	410.6	196.4	134.7	600.6	929.9	630.1	342.5	1951.3
906	LSR	64.0	105.1	45.8	57.2	89.3	25.0	22.6	34.7
907	Pr>F(Trts)	0.0756	0.4108	0.0140	0.0584	0.3651	0.0001	0.0000	0.0013
908	R_square	58.2	36.9	69.5	55.0	47.4	88.0	89.9	80.1

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Orchard grass Yield
 Expt. 2890
 Seeded 2010

Code	Cultivar	2015 (kg/ha)			Tot15	Tot14	Tot13	Tot12	Tot11	5yrTot
		Cut 1	Cut 2	Cut 3						
3003	KAY	3194	1383	1497	6075	9330	5459	2	3	20869
3066	RAPIDO	2578	1554	1920	6052	10287	5887	3646	7116	32989
3079	OKAY	3069	1591	1651	6312	9602	5207	2865	7200	31186
3086	HAYMATE	2693	1597	1899	6189	10315	5709	3109	7298	32620
3094	ORCA	2725	1531	1847	6103	10033	6447	3990	7350	33924
3096	DIVIDEND_VL	3060	1524	1697	6281	9829	5165	2878	7078	31230
3110	OG01	2671	1377	1702	5750	10245	4804	2953	7034	30786
3114	OG06	2841	1477	1710	6028	10136	4747	2684	7539	31134
900	Mean	2854	1504	1740	6099	9972	5428	2766	6327	30592
901	CV	9.1	10.4	9.1	6.4	6.7	7.4	17.4	7.7	4.5
905	MCV	11.0	12.7	11.1	7.8	8.2	9.0	21.2	9.3	5.5
902	LSD	315.1	191.1	192.3	473.7	813.2	491.0	586.2	590.7	1678.7
906	LSR	51.2	87.0	45.6	84.3	82.6	28.9	14.7	7.8	12.9
907	Pr>F(Trts)	0.0226	0.3496	0.0181	0.5863	0.3763	0.0001	0.0000	0.0000	0.0000
908	R_square	63.9	55.5	54.5	45.0	49.0	88.4	90.0	97.5	93.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Tall Fescue Trial B
 Expt. 2927
 Seeded 2014

Code	Cultivar	2015 (kg/ha)			Tot15
		Cut 1	Cut 2	Cut 3	
5028	CARNIVAL	3803	2116	1749	7669
5041	KORA	4129	1932	1578	7638
5042	YUKON	3567	1937	1483	6987
5053	PPG-FTF101	3694	1675	1391	6761
5054	PPG-FTF104	3501	1669	1175	6345
5055	PPG-FTF105	3604	1655	1317	6576
5056	QS-CG	2352	1106	1204	4662
5523	COURTENAY	3701	1863	1738	7301
900	Mean	3544	1744	1454	6742
901	CV	9.4	11.2	10.9	7.0
905	MCV	13.6	16.1	15.6	10.1
902	LSD	481.2	280.6	227.0	678.1
906	LSR	27.1	27.8	39.5	22.6
907	Pr>F(Trts)	0.0010	0.0009	0.0024	0.0001
908	R_square	83.6	81.3	80.7	86.7

RCBD arrangement, 3 blocks {134}

ONTARIO
 New Liskeard
 Tall Fescue Reg A
 Expt. 1402
 Seeded 2014

Code	Cultivar	2015 (kg/ha)		Tot15
		Cut 1	Cut 2	
5028	CARNIVAL	6927	4041	10968
5041	KORA	7356	4214	11570
5042	FTF-0801	7703	4511	12214
5053	PPG-FTF101	6138	3397	9535
5054	PPG-FTF104	6519	2912	9431
5055	PPG-FTF-105	6216	3302	9518
5523	COURTENAY	8677	4123	12801
900	Mean	7077	3786	10863
901	CV	6.2	6.4	5.3
905	MCV	7.6	7.9	6.5
902	LSD	534.9	298.9	708.2
906	LSR	21.1	18.7	21.0
907	Pr>F(Trts)	0.0000	0.0000	0.0000
908	R_square	86.9	88.9	89.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Tall Fescue Trial
 Expt. 2923
 Seeded 2013

Code	Cultivar	2015 (kg/ha)			Tot15	Tot14	2yrTot
		Cut 1	Cut 2	Cut 3			
5028	CARNIVAL	3514	1950	1876	7339	9464	16803
5041	KORA	3947	1878	1783	7608	9549	17157
5051	IS-FTF_70	3783	2108	1693	7584	8977	16562
5052	IS-FTF_73	3584	1829	1582	6994	8957	15951
5523	COURTENAY	3676	2188	2075	7940	9156	17095
900	Mean	3701	1991	1802	7493	9220	16714
901	CV	9.9	15.9	15.1	9.8	4.0	5.1
905	MCV	12.4	20.1	19.0	12.4	5.1	6.4
902	LSD	459.4	399.9	342.2	926.6	468.8	1067.2
906	LSR	105.9	111.3	69.3	98.0	79.1	88.4
907	Pr>F(Trts)	0.5059	0.4812	0.1730	0.4886	0.1340	0.3136
908	R_square	61.4	60.1	61.8	68.1	82.8	43.2

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue Reg A
 Expt. 1302
 Seeded 2013

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	2yrTot
		Cut 1	Cut 2			
5028	CARNIVAL	4412	1962	6374	10901	17275
5041	KORA	4212	1790	6001	10854	16855
5051	IS_FTF_70	4116	1730	5846	10355	16201
5052	IS_FTF_73	4584	1730	6314	10782	17096
5523	COURTENAY	5155	1919	7074	11401	18476
900	Mean	4496	1826	6322	10859	17181
901	CV	11.5	14.3	11.7	5.8	7.3
905	MCV	14.5	18.1	14.7	7.3	9.2
902	LSD	654.0	330.2	930.4	797.8	1588.8
906	LSR	63.0	142.1	75.7	76.3	69.9
907	Pr>F(Trts)	0.0975	0.6180	0.2258	0.2966	0.2065
908	R_square	54.0	28.4	45.0	56.9	50.5

RCBD arrangement, 4 blocks {1234}

Tall Fescue Registration B
seeded fall 2013

Kemptville

Variety	Code	Cut 1 Yield (kg/ha)
Courtenay	5523	4494.0
Hymark	5047	4659.4
Tower	5046	5168.3
Carnival	5028	4791.8
BARFAFL118701	5044	3744.8
BARFAFL118702	5045	3901.4
Mean		4460.0
CV		13.9
LSD (P=0.05)		935.2

ONTARIO

Elora

Tall Fescue Reg A

Expt. 2914

Seeded 2012

Code	Cultivar	2015 (kg/ha)			Tot15	Tot14	Tot13	3yrTot
		Cut 1	Cut 2	Cut 3				
5028	CARNIVAL	2909	1295	1372	5576	9254	8801	23632
5044	BAR_FAFI_118	2290	904	850	4044	8219	8224	20488
5045	BAR_FAFI_118	2552	1157	1081	4790	8380	8219	21388
5046	TOWER	2587	1134	1001	4722	9051	9425	23197
5047	HYMARK	2348	947	891	4186	8380	8339	20905
5523	COURTENAY	2917	1323	1340	5581	8963	8995	23539
900	Mean	2601	1127	1089	4816	8708	8667	22191
901	CV	12.8	23.2	18.2	13.6	6.9	3.6	5.3
905	MCV	18.9	34.3	27.0	20.0	10.3	5.3	7.8
902	LSD	491.7	386.3	293.9	965.6	895.0	463.6	1728.2
906	LSR	78.4	92.3	56.3	62.9	86.5	38.4	55.0
907	Pr>F(Trts)	0.1726	0.3315	0.0357	0.0629	0.2637	0.0042	0.0219
908	R_square	71.5	67.0	71.4	75.8	82.8	85.1	84.3

RCBD arrangement, 3 blocks {123}

ONTARIO
 New Liskeard
 Tall Fescue Reg A
 Expt. 1203
 Seeded 2012

Code	Cultivar	2015 (kg/ha)		Tot15	Tot14	Tot13	3yrTot
		Cut 1	Cut 2				
5028	CARNIVAL	4241	5566	9807	9632	13253	32691
5044	BARFAFL118701	3949	4778	8727	9268	12279	30275
5045	BARFAFL118702	3719	4701	8420	8618	12258	29297
5046	TOWER	2672	3436	6108	8914	12262	27284
5047	FOJTAN	3638	4440	8078	8774	13330	30181
5523	COURTENAY	5044	5061	10105	9097	13022	32223
900	Mean	3877	4664	8541	9051	12734	30325
901	CV	8.5	11.1	7.5	5.5	6.5	3.7
905	MCV	10.6	13.8	9.3	6.8	8.1	4.6
902	LSD	410.3	643.7	791.1	619.0	1028.0	1409.4
906	LSR	17.3	30.2	19.8	61.1	96.0	26.1
907	Pr>F(Trts)	0.0000	0.0011	0.0000	0.1150	0.2237	0.0001
908	R_square	90.4	77.5	89.8	62.5	72.8	88.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Perennial Ryegrass - Fall seeded
 Expt. 2930
 Seeded 2014

Code	Cultivar	2015 (kg/ha)			Tot15
		Cut 1	Cut 2	Cut 3	
8519	REMINGTON	2815	3040	1162	7016
8543	RESPECT	3558	1598	1080	6236
8547	PPG-LMT103	2915	3124	1724	7763
8548	PPG-LMT102	2242	2963	1757	6962
8549	TETRASWEET	2746	2242	1279	6267
8550	QS_TETRA	3970	2044	1075	7089
900	Mean	3041	2502	1346	6889
901	CV	17.6	11.1	19.0	10.7
905	MCV	21.8	13.8	23.6	13.3
902	LSD	663.4	345.4	317.7	917.4
906	LSR	38.4	22.6	46.6	60.1
907	Pr>F(Trts)	0.0051	0.0000	0.0031	0.0870
908	R_square	66.0	88.5	70.0	49.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Perennial Ryegrass Reg A
 Expt. 2888
 Seeded 2010

Code	Cultivar	2015 (kg/ha)			Tot15	Tot14	Tot13	Tot12	Tot11	5yrTot
		Cut 1	Cut 2	Cut 3						
8536	BARMULTRA_II	859	592	565	2016	5215	5295	3012	16045	31583
8537	DYNAMIC	1475	1327	1151	3953	5100	3152	3003	7787	22995
8538	INTRADA	2245	1239	1112	4596	6115	5190	4510	9859	30270
8539	TORONTO	1819	997	1151	3967	5362	5717	4378	10066	29489
8540	CHICAGO	1335	1175	1107	3616	5699	4212	3799	9864	27190
900	Mean	1546	1066	1017	3630	5498	4713	3740	10724	28305
901	CV	16.4	15.4	18.1	8.6	11.3	10.1	12.2	2.8	5.6
905	MCV	25.0	23.4	27.5	13.1	17.2	15.4	18.6	4.2	8.5
902	LSD	386.0	249.9	279.6	476.1	943.9	723.7	695.1	448.8	2413.0
906	LSR	27.9	34.0	47.7	18.5	93.0	28.2	46.1	5.4	28.1
907	Pr>F(Trts)	0.0018	0.0045	0.0186	0.0002	0.3423	0.0013	0.0088	0.0000	0.0015
908	R_square	86.3	82.8	74.8	93.6	47.6	89.8	80.8	99.4	87.8

RCBD arrangement, 3 blocks {123}

Heading Notes 2015

Code	Entry	Elora
3079	OKAY	May 30
3094	ORCA	May 27
3096	Dividend VL	June 4
3113	Proper	June 2
3118	AC Killarney	June 2
3119	AC Kootenay	June 8
3120	Echelon	June 3
3086	Haymate	May 31
6002	Climax	June 12
6026	Itasca	June 12
6030	Toro	June 6
6050	Richmond	June 3
6161	Treasure	June 4
6177	Summergraze	June 8
6136	Express	June 9
6086	Alexander	June 8
6138	Aurora	June 9
6170	Crest	June7
6171	TM9701	June 3
6172	Arlaka	June 11
6175	Bor 01025	June 11
6176	AC Pratt	
6174	Bor 88060	June 9
6167	Bor 01025	June 11
6179	Alternate	June6
8549	Tetrasweet	June9
8519	Remington	June10
8543	Respect	June 7
8547	PPG-LMT103	June 7
8548	PPG-LMT102	June 4
5523	Courtenay	June 3
5041	Kora	June 1
5053	PPG-FTF-101	May 30
5054	PPG-FTF-104	June 3
5055	PPG-FTF-105	May 31