

ONTARIO FORAGE CROP INVESTIGATIONS



2006 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

REPORT ON FORAGE CROPS TRIALS
ONTARIO FORAGE CROP COMMITTEE

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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 2006 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***Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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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Contents

Introduction	
Coordinators, names, addresses	2
Alfalfa	
Yield data	4
Performance data.....	14
Trefoil	
Yield data.....	16
Orchardgrass	
Yield data.....	17
Tall Fescue	
Yield data.....	19
Reed Canary	
Yield data.....	23
Early Timothy	
Yield data.....	25
Late Timothy	
Yield data.....	28
Meadow Fescue	
Yield data.....	31
Perennial Ryegrass	
Yield data.....	33
Heading Notes - Elora.....	34

Alfalfa performance, 2002 seeding, 2006 harvest,
New Liskeard.

code	yield (kg DM / ha)		total
	cut 1	cut 2	
1298 5312	5916	3669	9608
1325 MAGNUM_IV	6174	3472	9614
1432 OAC_SUPERIOR	6319	4064	10372
1466 A3294	6892	3710	10574
1467 A3494	6443	3473	9936
1581 54Q25	5554	3733	9325
1582 54V46	5802	3784	9602
1583 55V05	6075	3655	9685
1587 DS9809	5674	3679	9355
1588 DS015	5834	3769	9626
1589 DS231	6328	3766	10079
1590 DS232	6170	3757	9956
1591 A3300	5472	3415	8854
se	446	160	551
mean	6052	3691	9743
CV %	12.3	7.1	9.3

Nearest neighbour covariance analysis, 4 replications.

ONTARIO
 Huron Park
 Alfalfa Registration
 Expt. 5063
 Seeded 2003

Code	Cultivar	2006 (kg/ha)			Tot06	Tot05	Tot04	3yrTot
		Cut 1	Cut 2	Cut 3				
1298	5312	7729	3758	3394	14725	15722	11870	42245
1325	MAGNUM_IV	10913	4969	4297	19889	20014	12438	52132
1579	ASCEND	10740	5291	4712	20845	20941	12360	53951
1584	54H91	9259	4351	4193	17893	17569	12755	48328
1592	DURAGREEN	10538	4519	4429	19435	20603	11949	52189
1598	54H11	9446	4799	4110	18376	18415	12182	49135
1599	WL319HQ	9882	4554	4356	18847	18962	12842	50475
1600	4_2	10297	4958	4592	20079	21922	13004	55181
900	MEAN	9851	4650	4261	18761	19269	12425	50455
901	CV	6.2	8.7	10.0	6.0	6.1	5.9	4.4
905	MCV	7.6	10.7	12.2	7.4	7.4	7.2	5.4
902	LSD	744.1	495.3	520.8	1384.6	1429.6	896.1	2735.5
906	LSR	23.4	32.3	39.5	22.6	23.1	79.0	21.1
907	PR>F(TRTS)	0.0000	0.0067	0.0153	0.0000	0.0000	0.3320	0.0000

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

ONTARIO
 Thunder Bay
 Alfalfa registration test
 Seeded 2003

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
1244	GH777	4967	3623	8590
1298	5312	4883	4634	9517
1325	MAGNUM_IV	3566	3499	7065
1524	HYBRID-FORCE	4261	2920	7181
900	Mean	4419	3669	8088
901	CV	11.24	20.13	13.01
907	Pr>F(Trts)	0.0106	0.0546	0.0259
902	LSD	NS	NS	NS

ONTARIO

New Liskeard
 Alfalfa Registration 2003
 Expt. 3001
 Seeded 2003

Code	Cultivar	2006 (kg/ha)		Tot06	Tot05	Tot04	3yrTot
		Cut 1	Cut 2				
1298	5312	5690	3700	9236	9890	10294	29374
1325	MAGNUM_IV	7034	4444	11381	10182	10125	32116
1581	54Q25	6589	4403	11001	10195	10575	31410
1582	54V46	6861	4053	10850	10688	10557	32061
1593	DS328	6100	4249	10262	10281	10181	30959
1594	DS329	6178	4312	10612	10373	9788	30881
1595	DS330	6159	4296	10616	10246	10821	31519
1596	SWLU_8407	6049	3681	9863	9645	10689	29963
1598	54H11	5993	4507	10477	10666	10429	31640
900	Mean	6295	4183	10478	10241	10384	31102
901	CV	5.7	7.1	4.8	5.4	4.7	2.7
905	MCV	6.9	8.6	5.8	6.6	5.7	3.3
902	LSD	436.5	361.3	608.9	670.8	595.8	1018.6
906	LSR	32.5	43.7	28.4	64.3	57.7	37.1
907	Pr>F(Trts)	0.0005	0.0051	0.0004	0.2547	0.3301	0.0018
908	R_square	74.2	69.1	72.2	81.7	60.4	72.7

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

ONTARIO
 Elora
 Ofcc Alfalfa Trial 2004
 Expt. 2814
 Seeded 2004

Code	Cultivar	2006 (kg/ha)			Tot06	Tot05	2yrTot
		Cut 1	Cut 2	Cut 3			
909	Filler	3866	3910	2586	10322	7749	18049
910	Filler	4113	3803	2442	10318	8382	18684
1232	GUARDSMAN	4444	3642	2394	10472	7908	18345
1311	PREVAIL	4278	3317	2403	10029	7665	17724
1325	MAGNUM_IV	4410	3151	2485	10011	7615	17611
1602	WL346LH	4033	3178	2399	9629	8154	17799
1603	WL357HQ	4430	3532	2559	10462	8220	18632
1604	P435	4079	3516	2527	10135	8725	18864
1605	P436	4556	3857	2598	10948	8594	19530
1606	P4Q9	4160	3516	2465	10203	8426	18649
1607	GENOA	4312	3556	2538	10423	8435	18937
1608	NS04-044	4376	3709	2558	10701	8770	19488
1609	GH700	4084	3255	2427	9690	8413	18096
1610	SA034	4426	3481	2588	10492	8178	18655
1611	SUNSTRA-420	4688	3707	2810	11268	8631	19925
1612	SUNSTRA-421	4048	3460	2685	10205	8224	18424
1613	53V52	3948	3439	2514	9909	8650	18568
9041	ONEIDA_VR	4342	3580	2488	10455	8162	18591
900	Mean	4255	3534	2526	10315	8272	18587
901	CV	6.6	7.3	7.0	5.0	6.4	4.9
905	MCV	7.9	8.7	8.4	5.9	7.7	5.8
902	LSD	334.4	306.1	210.9	608.5	633.9	1083.0
906	LSR	40.7	40.3	50.6	37.1	54.9	46.8
907	Pr>F(Trts)	0.0062	0.0020	0.1552	0.0063	0.0978	0.0577
908	R_square	71.3	75.9	80.0	82.6	73.2	79.7

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

ONTARIO

New Liskeard
 Alfalfa registration c 20
 Expt. 4001
 Seeded 2004

Code	Cultivar	2006 (kg/ha)		Tot06	Tot05	2yrTot
		Cut 1	Cut 2			
1325	MAGNUM_IV	6502	4680	11171	12802	23662
1602	WL346LH	5788	4445	10245	11902	22150
1603	WL357HQ	5783	4087	9870	11588	21876
1604	P435	5456	4560	10139	11818	21355
1605	P436	4917	4276	9217	11227	20248
1606	P4Q9	5651	4514	10061	10428	20732
1607	GENOA	5452	4706	10168	11936	22940
1610	SA034	6047	4633	10653	11726	22620
1611	SUNSTRA-420	5663	4342	9990	12303	22280
1612	SUNSTRA-421	5188	4159	9322	11930	21662
1613	53V52	6286	4715	10963	12378	23475
1311	PREVAIL	6402	4514	10919	12855	23480
9041	ONEIDA_VR	5944	4526	10517	11584	21232
900	Mean	5775	4474	10249	11883	22132
901	CV	13.0	7.0	8.8	10.1	5.5
905	MCV	15.6	8.4	10.6	12.1	6.6
902	LSD	898.6	376.7	1087.8	1434.1	1469.3
906	LSR	56.7	60.0	55.7	59.1	43.0
907	Pr>F(Trts)	0.1733	0.1192	0.1208	0.3861	0.0062
908	R_square	50.5	70.9	59.2	44.6	59.2

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

ONTARIO
 Elora
 Registration Trial A
 Expt. 2821
 Seeded 2005

Code	Cultivar	2006 (kg/ha)			Tot06
		Cut 1	Cut 2	Cut 3	
1325	MAGNUM_IV	4842	4275	2943	12130
1432	OAC_SUPERIOR	5219	4366	2890	12514
1584	54H91	4762	4042	2860	11646
1585	DAKOTA	4910	4355	2979	12270
1613	53V52	4787	4266	2997	11938
1616	53Q30	4207	3881	2892	11058
1617	WL_348_AP	4980	4328	3020	12398
1618	WL_345_LH	4813	4095	2903	11788
1619	EVERMORE	5413	4543	2974	12939
1620	MARVEL	5304	4489	2910	12518
1621	SL-A5001	4770	4395	3068	12448
1622	GS55	5273	4174	2895	12468
1623	GS58	5100	4426	2852	12399
1624	QS05009	5054	4193	2920	12105
1625	QS04027	4884	4258	2819	11838
1626	QS04023	4634	3969	2695	11294
1627	QS15041	4943	4277	2915	12164
1628	QS14032	4751	3907	2534	11111
1630	FSG400LH	4643	4079	3143	11819
1631	FSG406	4534	4215	2972	11693
1632	ESCALADE	4731	4214	2966	11903
1633	GUARDSMAN_II	4674	4199	2949	11736
1635	SA_220	5017	3869	2744	11762
1636	CW75046	5279	4779	3063	13189
9041	ONEIDA_VR	5003	4061	2866	11825
900	Mean	4901	4226	2911	12038
901	CV	9.2	5.8	7.7	5.9
905	MCV	10.9	6.9	9.1	7.0
902	LSD	532.2	289.9	264.4	838.0
906	LSR	44.1	31.9	43.4	39.3
907	Pr>F(Trts)	0.1051	0.0004	0.2597	0.0133
908	R_square	58.6	65.8	65.8	60.0

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

ONTARIO
 New Liskeard
 Alfalfa registration 2005
 Expt. 5001

Seeded 2005

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
1325	MAGNUM_IV	5487	4848	10247
1432	OAC_SUPERIOR	5779	5168	10953
1613	53V52	6542	4888	11469
1616	53Q30	5203	4874	10093
1622	GS55	5610	5076	10712
1623	GS58	4994	5125	10064
1635	SA_220	4504	4603	9141
9041	ONEIDA_VR	5971	4975	10969
900	Mean	5511	4944	10456
901	CV	11.8	3.9	6.7
905	MCV	14.4	4.8	8.2
902	LSD	795.5	236.3	859.6
906	LSR	39.0	41.8	36.9
907	Pr>F(Trts)	0.0123	0.0171	0.0069
908	R_square	68.7	77.0	74.8

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

ONTARIO
Pakenham
Alfalfa registration trial
Seeded 2005

Code	Cultivar	2006 (kg/ha)			Tot06
		Cut 1	Cut 2	Cut 3	
900	Filler	6315	6271	1706	14258
1325	MAGNUM_IV	6632	6550	1852	14933
1432	OAC_SUPERIOR	6857	6878	1572	15289
1584	54H91	6472	6618	1653	14803
1599	WL319HQ	7608	6545	1481	15673
1613	53V52	7588	6740	1575	15881
1616	53Q30	6866	6303	1655	14888
1617	WL_348_AP	6437	5847	1668	13847
1618	WL_345_LH	6415	6202	1698	14288
1619	EVERMORE	7186	7539	2196	16948
1620	MARVEL	7129	6588	1728	15453
1621	SL-A5001	7043	6576	1578	15111
1622	GS55	7411	6800	1474	15661
1623	GS58	7714	7058	1784	16546
1624	QS05009	6191	7033	1707	14907
1625	QS04027	6789	7675	1701	16108
1626	QS04023	6897	6896	1611	15436
1627	QS15041	6698	6489	1869	15028
1628	QS14032	6547	7006	1793	15444
1630	FSG400LH	6198	6298	1598	14036
1631	FSG406	6700	7061	1607	15485
1632	ESCALADE	7852	6577	2044	16502
1633	GUARDSMAN_II	6647	6844	1658	15125
1635	SA_220	7222	6787	1767	15756
9041	ONEIDA_VR	7387	6735	1560	15847
900	Mean	6912	6717	1701	15330
901	CV	10.1	8.9	9.0	6.9
905	MCV	11.9	10.5	10.6	8.1
902	LSD	822.5	705.1	180.1	1242.9
906	LSR	49.5	38.6	24.9	40.1
907	Pr>F(Trts)	0.0184	0.0351	0.0000	0.0082
908	R_square	50.8	45.6	63.2	49.0

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

E2825 Alfalfa Performance Trial, seeded 2005, harvested 2006,
Elora.

code	entry	yield kg DM / ha			total
		cut 1	cut 2	cut 3	
1073	SURPASS	5275	4236	3310	12851
1294	DOMINION	5726	3958	3187	12896
1325	MAGNUM_IV	5927	3827	2947	12683
1388	GOLD_PLUS_MF	5367	3729	2647	11762
1392	AMERIGRAZE40	5450	4035	3431	12898
1402	GRAZEMASTER	5207	3932	3178	12311
1409	AFFINITY+Z	4953	3510	2696	11192
1410	STALLION	5404	3911	2955	12314
1411	JOLT	5355	3836	2988	12217
1416	RENAISSANCE	5122	3542	2745	11403
1419	54V54	5470	3867	2892	12262
1432	OAC_SUPERIOR	5550	3892	2987	12424
1448	PICKSD8925MF	5618	3618	2709	11953
1462	RHINO	5044	3661	2966	11718
1471	ENHANCER	5920	3810	3000	12751
1474	GENEVA	4984	3835	3109	11943
1479	MARQUIS	5394	3553	2670	11591
1481	APPROVED	4939	3632	2776	11358
1482	WINTERGOLD	4985	3740	3057	11755
1486	AC_BRADOR	5455	3583	2690	11714
1498	134	5436	3881	3077	12418
1504	PICKSD2065MF	5459	3971	2965	12437
1512	WL_327	5641	4161	3110	12948
1521	MAGNUM_3801	5458	4162	3282	12895
1524	HYBRID-FORCE	5269	3806	2965	12072
1525	FORECAST_100	5160	3939	2971	12064
1527	MACON	5240	4109	3085	12441
1535	RELIANCE	4989	3825	2912	11772
1537	VALIANT	5020	3963	3063	12057
1541	MULTIPLIER_3	5034	3590	2738	11366
1577	STARBUCK	5166	3696	2907	11731
1579	ASCEND	4913	3924	3130	11967
1580	STEAK	5082	3842	3101	11987
1582	54V46	5090	3856	2971	11891
1584	54H91	5058	3673	2882	11608
1586	CK2000	5179	3660	2990	11842
1599	WL319HQ	5065	3774	3077	11905
1600	4_2	5418	3703	3023	12090
1601	FSG300LH	4810	4026	3130	11949
1607	GENOA	5275	4099	3071	12391
1609	GH700	5028	3904	3037	11928
1610	SA034	5202	3942	3148	12289
1613	53V52	5179	3689	2870	11743
1615	STEALTHSF	5240	4102	3038	12377
1624	QS05009	5086	3988	3080	12148
1633	GUARDSMAN_II	4921	3559	2716	11151
1635	SA_220	4771	3800	3058	11598
1636	CW75046	5294	4020	2930	12199
9041	ONEIDA_VR	5540	4127	3247	12921
se		253.6	187.1	198.9	541.5
mean		5248	3847	2990	12085
CV		7.8	6.9	9.8	6.3
(%)					

Four replications, simple lattice repeated, lattice analysis.

Alfalfa performance trial, seeded 2005, harvested 2006,
New Liskeard.

Code	Variety	Yield kg/ha		
		Cut 1	Cut 2	Total
1073	SURPASS	5351	4532	9883
1294	DOMINION	6499	4846	11345
1325	MAGNUM_IV	6099	4734	10833
1388	GOLD_PLUS_MF	6078	4722	10800
1392	AMERIGRAZE40	6552	4712	11264
1402	GRAZEMASTER	6331	4862	11193
1409	AFFINITY+Z	6626	4804	11430
1410	STALLION	7226	4809	12036
1411	JOLT	6352	4609	10960
1416	RENAISSANCE	6678	4779	11457
1419	54V54	6784	4974	11758
1432	OAC_SUPERIOR	6752	4770	11522
1448	PICKSD8925MF	6952	4648	11600
1462	RHINO	6689	5196	11885
1471	ENHANCER	7184	4827	12011
1474	GENEVA	6310	4782	11092
1479	MARQUIS	5994	4752	10746
1481	APPROVED	6289	4854	11143
1482	WINTERGOLD	6436	4648	11084
1486	AC_BRADOR	6857	4988	11845
1498	134	6394	4715	11108
1504	PICKSD2065MF	6520	4931	11451
1512	WL_327	6162	4974	11136
1521	MAGNUM_3801	6805	4749	11554
1524	HYBRID-FORCE	6131	4964	11094
1525	FORECAST_1000	7037	5242	12279
1527	MACON	6173	5163	11335
1535	RELIANCE	6447	4845	11291
1537	VALIANT	6247	5050	11296
1541	MULTIPLIER_3	7416	5053	12468
1577	STARBUCK	6678	5183	11861
1579	ASCEND	7279	5235	12514
1580	STEAK	6889	5263	12152
1582	54V46	7563	5305	12868
1584	54H91	6162	5191	11353
1586	CK2000	5667	5155	10822
1599	WL319HQ	4972	5195	10167
1600	4_2	6584	5376	11960
1601	FSG300LH	4424	5067	9491
1607	GENOA	7015	5394	12409
1609	GH700	6057	5531	11587
1610	SA034	6541	5671	12212
1613	53V52	5688	5342	11030
1615	STEALTHSF	5362	5311	10672
1624	QS05009	5699	5474	11172
1633	GUARDSMAN_II	6194	5452	11645
1635	SA_220	6383	5242	11626
1636	CW75046	7500	5119	12618
9041	ONEIDA_VR	6457	5558	12016
	Mean	6418	5033	11451
	CV%	12.8	5.1	8
	LSD (0.05)	3532	1148	3939

Four replications, simple lattice repeated, lattice analysis.

E2827 Alfalfa Performance Trial, seeded 2005, harvested 2006,
Enniskillen

code	entry	yield (kg/ha)			total
		cut 1	cut 2	cut 3	
1073	SURPASS	6321	4106	2174	12698
1294	DOMINION	5346	4010	1668	10986
1325	MAGNUM_IV	5694	3762	2378	11886
1388	GOLD_PLUS_MF	6300	4368	2115	12819
1392	AMERIGRAZE40	5786	3875	2331	11955
1402	GRAZEMASTER	6011	3970	2235	12246
1409	AFFINITY+Z	6572	3616	2131	12309
1410	STALLION	6369	4089	2211	12663
1411	JOLT	6604	4138	2097	12775
1416	RENAISSANCE	6138	4136	1876	12174
1419	54V54	6574	4250	2067	12901
1432	OAC_SUPERIOR	7517	3931	2053	13437
1448	PICKSD8925MF	5779	3654	1843	11279
1462	RHINO	5278	3915	1999	11155
1471	ENHANCER	6120	4094	2096	12383
1474	GENEVA	5990	4350	2263	12617
1479	MARQUIS	6004	4297	2108	12511
1481	APPROVED	7118	4283	2364	13853
1482	WINTERGOLD	5958	4317	2034	12324
1486	AC_BRADOR	6350	4016	2189	12636
1498	134	6706	4082	2281	13112
1504	PICKSD2065MF	6312	4320	2349	12913
1512	WL_327	6118	4055	2272	12393
1521	MAGNUM 3801	7153	3778	2208	13177
1524	HYBRID-FORCE	7321	4007	2236	13587
1525	FORECAST_100	5319	4361	2351	11980
1527	MACON	6214	3848	1646	11724
1535	RELIANCE	6943	4899	2242	14060
1537	VALIANT	5852	4631	2391	13055
1541	MULTIPLIER_3	6184	3897	1975	12177
1577	STARBUCK	6776	4022	2009	13017
1579	ASCEND	5973	4439	2894	13501
1580	STEAK	5948	3993	2153	12217
1582	54V46	6428	4146	2143	12905
1584	54H91	5904	3465	1919	11151
1586	CK2000	6916	4091	1980	13135
1599	WL319HQ	6652	4272	2359	13089
1600	4_2	6711	3866	2025	12495
1601	FSG300LH	6686	3591	1627	11782
1607	GENOA	6163	4511	2581	13060
1609	GH700	7055	3921	1709	12557
1610	SA034	5498	4141	2410	11882
1613	53V52	6542	4323	2620	13440
1615	STEALTHSF	6345	4578	2288	13106
1624	QS05009	5577	4311	2268	12125
1633	GUARDSMAN_II	5209	3898	1964	10967
1635	SA_220	5141	4111	2321	11535
1636	CW75046	6867	4080	1885	12817
9041	ONEIDA_VR	5312	3979	2164	11377
	Mean	5993	4016	2110	12239
	CV	15.7	11.3	18.7	9.3

Four replications, simple lattice repeated, lattice analysis.

ONTARIO
 New Liskeard
 Trefoil 2004
 Expt. 4007
 Seeded 2004

Code	Cultivar	2006 (kg/ha)				
		Cut 1	Cut 2	Tot06	Tot05	2yrTot
7001	LEO	8102	4068	12170	10693	22863
7044	LOTA_NOVA	6360	3578	9938	10124	20062
900	Mean	7231	3823	11054	10408	21462
901	CV	14.3	10.5	12.6	16.9	5.9
905	MCV	23.7	17.5	21.0	28.2	9.8
902	LSD	1716.5	670.5	2325.7	2930.6	2100.2
906	LSR	98.5	136.9	104.2	514.9	75.0
907	Pr>F(Trts)	0.0978	0.1842	0.1098	0.6767	0.0538
908	R_square	73.1	64.9	70.0	41.1	87.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Late Orchardgrass Trial B
 Expt. 2815
 Seeded 2004

Code	Cultivar	2006 (kg/ha)			Tot06	Tot05	2yrTot
		Cut 1	Cut 2	Cut 3			
3079	OKAY	5897	1034	1592	8524	5079	13603
3096	OG9401	5069	933	1476	7478	4588	12066
3108	OG9704	6375	1009	1933	9317	5581	14898
3109	COMMAND	5697	1074	1670	8441	5872	14313
3110	OG01	5405	942	1414	7760	5319	13080
900	Mean	5688	998	1617	8304	5288	13592
901	CV	11.6	18.5	13.8	8.7	10.8	7.5
905	MCV	14.7	23.3	17.4	10.9	13.6	9.5
902	LSD	833.6	232.8	282.0	908.6	721.0	1291.7
906	LSR	63.8	165.1	54.3	49.4	56.1	45.6
907	Pr>F(Trts)	0.1254	0.7875	0.0489	0.0279	0.0657	0.0179
908	R_square	49.0	50.5	55.3	63.0	73.9	70.2

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Orchard Grass Performance
 Expt. 2833
 Seeded 2005

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
3003	KAY	4631	4024	8656
3066	RAPIDO	4614	4241	8855
3078	AC_SPLENDOR	5501	4030	9531
3079	OKAY	5186	4504	9690
3086	HAYMATE	5196	4856	10052
3094	ORCA	4957	4959	9916
3096	OG9401	5584	5302	10886
3104	HAKA	4704	4739	9444
900	Mean	5047	4582	9629
901	CV	10.2	13.1	6.9
905	MCV	12.4	16.0	8.4
902	LSD	625.2	731.8	808.2
906	LSR	64.5	57.3	36.2
907	Pr>F(Trts)	0.0750	0.0595	0.0037
908	R_square	43.1	45.8	60.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue Registration
 Expt. 3003
 Seeded 2003

Code	Cultivar	2006 (kg/ha)		Tot06	Tot05	Tot04	3yrTot
		Cut 1	Cut 2				
5008	COMMON	6578	4350	10928	5480	11164	27572
5031	BOR_86218	6645	4114	10759	5830	10614	27203
5523	COURTENAY	7469	3887	11355	6640	10829	28825
900	Mean	6897	4117	11014	5984	10869	27867
901	CV	13.7	5.7	10.3	7.7	4.4	6.1
905	MCV	18.9	7.8	14.1	10.6	6.1	8.4
902	LSD	1301.8	319.6	1554.1	631.3	662.5	2344.9
906	LSR	146.2	69.0	260.4	54.4	120.5	144.6
907	Pr>F(Trts)	0.3944	0.0799	0.7557	0.0299	0.3355	0.4262
908	R_square	42.8	59.2	28.2	76.5	49.7	36.1

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Ofcc Tall Fescue Trial 03
 Expt. 2812
 Seeded 2003

Code	Cultivar	2006 (kg/ha)			Tot06	Tot05	2yrTot
		Cut 1	Cut 2	Cut 3			
5026	SELECT	5783	1158	1495	8437	4228	12664
5028	CARNIVAL	5623	1369	1698	8690	4642	13332
5031	BOR_86218	4527	1459	1693	7678	3565	11243
5523	COURTENAY	5404	1502	2131	9037	4449	13486
5526	KOKANEE	4364	1737	1844	7945	4198	12144
5527	MONTEBELLO	4832	1450	1823	8105	3836	11940
900	Mean	5089	1446	1781	8315	4153	12468
901	CV	10.0	13.2	9.6	9.0	14.2	10.4
905	MCV	12.4	16.4	11.9	11.2	17.6	12.9
902	LSD	632.9	237.1	211.9	930.5	729.2	1611.2
906	LSR	44.6	41.0	33.3	68.5	67.7	71.8
907	Pr>F(Trts)	0.0048	0.0189	0.0028	0.1743	0.1718	0.1826
908	R_square	66.8	61.4	76.6	45.1	64.1	53.1

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue 2004
 Expt. 4004
 Seeded 2004

Code	Cultivar	2006 (kg/ha)				
		Cut 1	Cut 2	Tot06	Tot05	2yrTot
5032	EXCELLA	5869	4169	10038	5669	15707
5523	COURTENAY	7318	3944	11262	6328	17590
900	Mean	6593	4057	10650	5999	16649
901	CV	10.6	10.9	10.6	4.0	7.4
905	MCV	17.6	18.1	17.7	6.7	12.4
902	LSD	1159.5	733.5	1886.3	399.8	2060.7
906	LSR	80.0	326.7	154.1	60.7	109.4
907	Pr>F(Trts)	0.0623	0.5259	0.2241	0.0331	0.1212
908	R_square	78.8	24.6	55.6	92.2	65.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
Kemptville
Tall Fescue 2004
Seeded 2004

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
5032	EXCELLA	5866	4690	10556
5523	COURTENAY	7615	4965	12580
900	Mean	6741	4827	11568
901	CV	17.2	11.7	10.9

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

Code	Cultivar	2006 (kg/ha)				
		Cut 1	Cut 2	Tot06	Tot05	2yrTot
5013	PALATON	6368	4165	10533	7752	18285
5036	PR04-01	5856	3928	9784	7332	17116
900	Mean	6112	4047	10159	7542	17701
901	CV	10.5	7.8	4.2	10.1	6.0
905	MCV	17.4	12.9	7.0	16.7	10.0
902	LSD	1064.7	523.4	714.6	1262.2	1777.2
906	LSR	207.8	220.7	95.4	300.3	151.9
907	Pr>F(Trts)	0.3410	0.3660	0.0913	0.4930	0.2192
908	R_square	49.5	72.8	85.6	68.0	78.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
Kemptville
Reed Canary Test 2004
Seeded 2004

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
5013	PALATON	8551	7432	15983
5036	PR04-01	8791	7845	16635
900	Mean	8671	7638	16309
901	CV	4.7	5.7	4.1

ONTARIO
 Elora
 Early Timothy 2003
 Expt. 2809
 Seeded 2003

Code	Cultivar	2006 (kg/ha)				
		Cut 1	Cut 2	Tot06	Tot05	2yrTot
6030	TORO	5690	2813	8503	4290	12793
6050	RICHMOND	5806	2776	8582	3614	12196
6156	BOR_9911	5044	2526	7570	3746	11316
6160	TM9901	5765	3166	8931	4179	13109
900	Mean	5576	2820	8396	3957	12354
901	CV	9.8	12.4	8.7	9.8	7.8
905	MCV	12.8	16.1	11.2	12.7	10.2
902	LSD	711.3	454.6	941.8	503.7	1256.8
906	LSR	93.3	71.1	69.2	74.5	70.1
907	Pr>F(Trts)	0.2347	0.1507	0.1194	0.0974	0.1123
908	R_square	47.7	57.0	51.4	84.7	63.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Timothy registration test
 Expt. 3002
 Seeded 2003

Code	Cultivar	2006 (kg/ha)					
		Cut 1	Cut 2	Tot06	Tot05	Tot04	3yrTot
6002	CLIMAX	7736	2478	10214	5855	8249	24318
6026	ITASCA	7387	2894	10281	6082	9352	25715
6030	TORO	7282	3056	10338	6041	9484	25862
6050	RICHMOND	7399	2940	10339	6547	9786	26672
6156	BOR_9911	7431	2567	9997	6231	9035	25264
6157	YPRA-7	7806	2917	10723	5723	10309	26755
6158	YPCB-4	8346	2965	11311	6443	9539	27294
6159	YPTB-2	7540	2768	10309	6615	10366	27290
900	Mean	7616	2823	10439	6192	9515	26146
901	CV	9.1	15.9	8.4	9.9	5.3	6.3
905	MCV	11.1	19.3	10.2	12.0	6.5	7.6
902	LSD	845.8	544.7	1065.2	744.9	617.7	1992.9
906	LSR	79.5	94.2	81.1	83.5	29.2	67.0
907	Pr>F(Trts)	0.4675	0.5774	0.5555	0.3843	0.0002	0.1807
908	R_square	49.9	41.4	29.8	40.4	75.3	39.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Early Timothy Trial
 Expt. 2842
 Seeded 2005

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
6030	TORO	8527	5298	13826
6050	RICHMOND	7885	4708	12593
6061	HOKUO	7512	5023	12535
6162	DERBY	7425	4785	12209
6163	TM9704	7394	4780	12174
6165	JOLIETTE	6926	3862	10788
900	Mean	7611	4743	12354
901	CV	5.4	9.2	6.0
905	MCV	8.0	13.7	8.9
902	LSD	609.7	648.4	1100.0
906	LSR	38.1	45.1	36.2
907	Pr>F(Trts)	0.0133	0.0389	0.0136
908	R_square	84.6	81.8	84.0

RCBD arrangement, 3 blocks {123}

ONTARIO
 Elora
 Ofcc Late Timothy 2003
 Expt. 2810
 Seeded 2003

Code	Cultivar	2006 (kg/ha)				
		Cut 1	Cut 2	Tot06	Tot05	2yrTot
6002	CLIMAX	6109	1439	7548	3619	11166
6026	ITASCA	8212	1890	10102	4633	14734
6157	YPRA-7	7672	2153	9825	4584	14408
6158	YPCB-4	6622	1739	8361	3815	12176
6159	YPTB-2	8077	2231	10308	4657	14964
900	Mean	7338	1890	9229	4261	13490
901	CV	12.3	10.1	10.7	6.7	8.6
905	MCV	15.5	12.8	13.5	8.5	10.8
902	LSD	1134.1	241.3	1246.2	361.7	1460.7
906	LSR	53.9	30.5	45.2	34.8	38.5
907	Pr>F(Trts)	0.0227	0.0006	0.0071	0.0004	0.0017
908	R_square	60.6	83.4	69.2	87.7	76.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Late Timothy registration
 Expt. 4002
 Seeded 2004

Code	Cultivar	2006 (kg/ha)				
		Cut 1	Cut 2	Tot06	Tot05	2yrTot
6002	CLIMAX	6547	2193	8740	5175	13916
6026	ITASCA	6985	2862	9847	5282	15129
6161	NS04-T01	7581	3311	10892	5143	16035
900	Mean	7038	2789	9827	5200	15027
901	CV	8.9	8.0	6.2	7.6	4.8
905	MCV	12.3	11.1	8.5	10.5	6.6
902	LSD	864.6	308.3	832.9	545.3	984.7
906	LSR	83.7	27.6	38.7	393.4	46.5
907	Pr>F(Trts)	0.1439	0.0016	0.0077	0.8728	0.0170
908	R_square	54.2	91.7	84.4	70.7	80.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
Kemptville
Late Timothy registration
Seeded 2004

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
6002	CLIMAX	6795	3819	10614
6026	ITASCA	8213	4586	12799
6161	NS04-T01	7866	6034	13900
Mean		7625	4813	12438
CV		12.6	13.5	10.5

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

Code	Cultivar	2006 (kg/ha)		Tot06	Tot05	2yrTot
		Cut 1	Cut 2			
5033	MIMER	4052	2746	6797	5753	12550
5034	EPIC	4511	3210	7722	6158	13879
5035	MERIFEST	4867	3521	8388	5424	13811
900	Mean	4477	3159	7636	5778	13414
901	CV	11.2	10.7	6.6	5.5	5.4
905	MCV	15.4	14.7	9.0	7.5	7.4
902	LSD	690.4	465.8	690.1	435.9	992.5
906	LSR	84.7	60.1	43.4	59.4	74.7
907	Pr>F(Trts)	0.1494	0.0475	0.0126	0.0462	0.0695
908	R_square	67.7	69.5	84.6	86.7	75.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
Kemptville
Meadow Fescue Test 2004
Seeded 2004

Code	Cultivar	2006 (kg/ha)		
		Cut 1	Cut 2	Tot06
5033	MIMER	6567	3197	9765
5034	EPIC	6389	3172	9561
5035	MERIFEST	7002	3662	10663
900	Mean	6653	3344	9996
901	CV	14.5	17.7	15.3

Ontario
 Kemptville
 Perennial Ryegrass Test 2005
 Seeded 2005

Code	Cultivar	Cut 1	Cut 2	Cut 3	Total
8518	Bargala	4977	5760	2416	13153
8519	Barnhem	4859	5723	3055	13637
8517	Barsplinter	5358	5578	2146	13082
8525	Bastion	6866	6772	2445	16083
8522	Citadel	4812	5962	2346	13119
8523	Condesa	3595	7113	2222	12931
8515	Garibaldi	4368	6084	2108	12560
8524	Norlea	5122	5271	1611	12004
3079	Okay	7891	5351	3148	16390
8521	PSGG9-04	5628	5154	1957	12739
8520	Remington	7202	6845	2274	16320
6050	Richmond	7209	5093	1835	14137
8516	Spidola	6010	6242	2563	14815
8514	Tivoli	4246	6299	2284	12829
	Mean	5582	5946	2315	13843
	CV	13.4	9.0	12.2	6.8

Heading Dates, Elora 2006

Stage R2(spikelets emerged but not peduncle)

Name	Code	Heading Date
Brome		
Baylor	2001	May 29
Bravo	2039	May 25
Radisson	2051	May 25
Paddock	2054	May 19
Fleet	2057	May 19
Peak	2060	May 25
Orchard		
Kay	3003	May 23
Rapido	3066	May 19
AC Splendor	3078	May 23
OKAY	3079	May 25
Haymate	3086	May 19
ORCA	3094	May 19
OG9401	3096	May 29
Haka	3104	May 25
OG9704	3108	May 23
Command	3109	May 23
Reed Canary		
Vantage	5011	May 31
Palaton	5013	May 29
Venture	5016	May 31
Marathon	5023	May 19
Tall Fescue		
Carnival	5028	May 25
Excella	5032	May 29
Courtenay	5523	May 30
Kokanee	5526	June 4
Meadow Fescue		
Mimer	5033	May 29
Epic	5034	May 23

Merifest	5035	May 35
Timothy		
Climax	6002	June 5
Itasca	6026	June 5
Toro	6030	June 1
Richmond	6050	May 29
Hokuo	6061	May 31
Normax	6066	June 2
Mariposa	6081	May 31
Alexander	6086	June 5
Argus	6095	June 5
Express	6136	June 5
Aurora	6138	June 7
TM9901	6160	May 31
Treasure	6161	May 31
Derby	6162	May 29
TM9704	6163	May 31
TM0102	6164	June 1
Joliette	6165	June 7