

ONTARIO FORAGE CROP INVESTIGATIONS



2005 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

REPORT ON FORAGE CROPS TRIALS
ONTARIO FORAGE CROP COMMITTEE

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Conducted co-operatively by:

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This is the 2005 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***Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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
 Elora
 Registration Trial A
 Expt. 2794
 Seeded 2001

Code	Cultivar	2005 (kg/ha)							4yrTot
		Cut 1	Cut 2	Cut 3	Tot05	Tot04	Tot03	Tot02	
1001	SARANAC	3323	1427	939	5668	6305	10289	10263	32504
1298	5312	3865	1895	1405	7147	6947	11060	10963	36142
1325	MAGNUM_IV	3591	2119	1584	7352	8031	11370	11083	37831
1529	VALUEPLUS1	3744	2561	1904	8233	8601	11103	10959	38827
1530	3R58	4174	3133	2116	9427	9185	11422	10839	40925
1531	INTRIGUE	3949	2635	1883	8495	9128	11069	10532	39303
1534	A9502	3628	2151	1611	7345	7138	11100	10484	36174
1535	RELIANCE	4340	3167	1956	9485	9726	11533	10389	41133
1536	X787	4497	2741	1860	9056	8477	10970	10732	39213
1537	VALIANT	4039	2653	1892	8621	8889	10579	10649	38607
1538	DS025	3582	1650	1060	6286	6292	10168	10116	32842
1539	DS026	3533	1862	1489	6895	8083	10990	10455	36415
1540	5301ML	3779	1518	1163	6391	6248	10818	10210	33786
1541	MULTIPLIER_3	4164	2796	1930	8905	9208	11586	11118	40779
1542	DS9810	4078	2466	1729	8252	8831	11347	10537	38974
1543	ONEIDA_ULTRA	3489	1997	1490	6993	7307	10515	10165	34960
1544	CW73038	4243	2089	1701	8040	8027	11255	10325	37593
900	Mean	3883	2286	1630	7800	8025	11010	10578	37412
901	CV	9.5	17.2	16.9	10.0	8.2	3.8	3.4	4.6
905	MCV	13.2	23.8	23.5	13.9	11.4	5.3	4.7	6.4
902	LSD	512.3	544.3	382.9	1082.5	911.8	580.4	496.0	2388.5
906	LSR	43.7	31.3	32.5	28.4	26.2	40.9	49.5	27.7
907	Pr>F(Trts)	0.0344	0.0000	0.0003	0.0000	0.0000	0.0048	0.0271	0.0000
908	R_square	81.1	84.6	77.6	87.9	88.7	64.6	88.8	89.4

RCBD arrangement, 3 blocks {123}
 Nearest-neighbour covariance adjusted.

ONTARIO
 Elora
 Ofcc Alfalfa Trial A
 Expt. 2804
 Seeded 2002

Code	Cultivar	2005 (kg/ha)			Tot05	Tot04	Tot03	3yrTot
		Cut 1	Cut 2	Cut 3				
1298	5312	3455	1018	646	5142	8120	11062	24088
1325	MAGNUM_IV	3093	1293	712	5036	9448	11002	25527
1432	OAC_SUPERIOR	3725	2002	1202	7007	10265	11952	29622
1466	A3294	3434	1301	738	5481	8650	11019	25636
1467	A3494	2868	1047	605	4603	8948	11894	25325
1579	ASCEND	3399	1873	1171	6502	10409	12143	29007
1580	STEAK	3508	1374	718	5613	9789	10663	25885
1581	54Q25	2834	1130	696	4722	9584	11010	25272
1582	54V46	3204	1519	909	5631	10089	11686	27746
1583	55V05	2993	1132	586	4745	8598	10342	23731
1584	54H91	2910	982	594	4511	8280	11799	25113
1585	DAKOTA	3154	1712	1046	5866	9793	12098	27551
1586	CK2000	3204	1157	689	5069	9593	11380	25917
1587	DS9809	3508	1368	854	5679	9934	11553	27106
1588	DS015	3280	1265	675	5193	10308	11844	27192
1589	DS231	3049	1659	1013	5638	9734	11801	26873
1590	DS232	3225	1351	798	5298	9863	12376	27086
1591	A3300	2816	1222	766	4745	8260	10491	23584
900	Mean	3203	1356	801	5360	9426	11451	26237
901	CV	8.3	13.0	16.6	8.7	7.5	6.6	6.2
905	MCV	11.5	18.1	23.0	12.0	10.4	9.2	8.7
902	LSD	369.9	244.7	184.2	643.4	983.4	1051.8	2270.4
906	LSR	40.7	24.0	29.9	25.8	43.0	51.7	37.6
907	Pr>F(Trts)	0.0047	0.0000	0.0000	0.0000	0.0016	0.0640	0.0030
908	R_square	83.0	92.6	89.3	90.5	75.7	82.1	81.8

RCBD arrangement, 3 blocks {134}
 Nearest-neighbour covariance adjusted.

ONTARIO
 New Liskeard
 Alfalfa registration test
 Expt. 200203
 Seeded 2002

Code	Cultivar	2005 (kg/ha)		Tot05	Tot04	Tot03	3yrTot
		Cut 1	Cut 2				
1298	5312	5773	4311	10084	11544	11720	33348
1325	MAGNUM_IV	5003	4547	9551	11425	11084	32060
1432	OAC_Superior	5929	4810	10739	11503	11235	33476
1466	A3294	5595	4699	10294	10555	11521	32370
1467	A3494	5507	3871	9378	11340	12063	32782
1581	54Q25	5488	4086	9575	9811	10121	29507
1582	54V46	5798	4558	10355	11445	10882	32683
1583	55V05	5790	4259	10050	11381	11291	32721
1587	DS9809	5821	4817	10638	11688	11370	33697
1588	DS015	5772	4435	10207	10876	11664	32747
1589	DS231	5869	4589	10458	10649	10934	32041
1590	DS232	6086	4811	10897	11262	11290	33449
1591	A3300	4643	4006	8648	10484	10502	29635
900	Mean	5621	4446	10067	11074	11206	32347
901	CV	14.1	14.2	12.9	7.1	5.1	6.0
905	MCV	19.7	19.8	18.0	9.9	7.2	8.4
902	LSD	1105.0	880.8	1813.1	1096.1	802.9	2709.5
906	LSR	76.6	93.1	80.6	58.4	41.3	64.7
907	Pr>F(Trts)	0.6884	0.6781	0.7297	0.1943	0.0307	0.2194
908	R_square	36.9	52.1	44.6	48.0	62.0	46.8

RCBD arrangement, 3 blocks {123}

ONTARIO
 Thunder Bay
 Alfalfa registration test
 Seeded 2003

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
1244	GH777	4610	2941	6925
1298	5312	4239	2863	7491
1325	MAGNUM_IV	3850	3117	7087
1524	HYBRID-FORCE	4185	3176	7477
900	Mean	4221	3024	7245
901	CV	15.3	11.7	11.3
905	MCV	20.5	15.7	15.1
902	LSD	863.3	473.9	1093.3
906	LSR	113.6	151.8	193.3
907	Pr>F(Trts)	0.4870	0.6148	0.7233
908	R_square	63.7	91.1	76.2

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

ONTARIO
 New Liskeard
 Alfalfa Registration 2003
 Expt. 3001
 Seeded 2003

Code	Cultivar	2005 (kg/ha)		Tot05	Tot04	2yrTot
		Cut 1	Cut 2			
1298	5312	5523	4335	9858	10139	19997
1325	MAGNUM_IV	5915	4333	10248	10448	20696
1581	54Q25	5491	4513	10003	10454	20457
1582	54V46	6381	4327	10707	10392	21099
1593	DS328	6067	4287	10355	10230	20585
1594	DS329	5927	4429	10356	10086	20442
1595	DS330	5947	4477	10424	10590	21014
1596	SWLU_8407	5605	3906	9511	10685	20195
1598	54H11	6247	4456	10703	10436	21139
900	Mean	5900	4340	10241	10384	20625
901	CV	8.2	7.2	6.1	5.8	3.3
905	MCV	9.9	8.7	7.3	7.0	3.9
902	LSD	583.3	377.6	751.3	731.8	811.2
906	LSR	65.5	62.2	62.8	122.3	71.1
907	Pr>F(Trts)	0.1555	0.2709	0.1793	0.8899	0.2341
908	R_square	59.8	76.2	74.7	34.4	68.1

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Huron Park
 Alfalfa Registration
 Expt. 5063
 Seeded 2003

Code	Cultivar	2005 (kg/ha)			Tot05	Tot04	2yrTot
		Cut 1	Cut 2	Cut 3			
1298	5312	8504	3429	3765	15722	11870	27507
1325	MAGNUM_IV	10792	4681	4584	20014	12438	32272
1579	ASCEND	10647	5715	4629	20941	12360	33125
1584	54H91	9842	4409	3262	17569	12755	30524
1592	DURAGREEN	11246	4844	4505	20603	11949	32792
1598	54H11	10064	4577	3669	18415	12182	30754
1599	WL319HQ	10113	4455	4315	18962	12842	31605
1600	4_2	12119	5715	4268	21922	13004	34969
900	MEAN	10416	4728	4125	19269	12425	31693
901	CV	6.5	11.1	9.6	6.1	5.9	4.5
905	MCV	7.9	13.6	11.7	7.4	7.2	5.5
902	LSD	826.1	643.4	483.1	1429.6	896.1	1744.0
906	LSR	22.9	28.1	35.3	23.1	79.0	23.4
907	PR>F (TRTS)	0.0001	0.0003	0.0016	0.0000	0.3320	0.0001

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

E2808 OFCC Alfalfa yield Test, Seeded 2003 Elora, 2005 harvest.

Variety	Code	Yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
GH777	1244	3269	1616	856	5761
5312	1298	3699	1444	795	5879
MAGNUM_IV	1325	3487	1737	770	6102
AFFINITY+Z	1409	3424	1492	833	5735
RENAISSANCE	1416	3548	1747	909	6206
RHINO	1462	3561	1837	925	6389
GENEVA	1474	3681	2118	1247	6973
NK711MF	1475	3686	2280	1315	7286
PICKSD2065MF	1504	3540	1935	1320	6882
MACON	1527	3696	2124	862	6632
ASCEND	1579	3639	2041	1261	6933
54Q25	1581	3323	1821	1000	6144
54V46	1582	3932	2389	1238	7522
54H91	1584	3670	1737	868	6317
DURAGREEN	1592	3830	1858	906	6542
DS328	1593	3658	2157	1320	7166
DS329	1594	3889	2245	1203	7321
DS330	1595	3544	1936	1041	6563
SWLU_8407	1596	3273	1572	887	5704
54H11	1598	3711	1980	1019	6627
WL319HQ	1599	3762	2404	1294	7520
4_2	1600	3694	2125	1107	6939
FSG300LH	1601	3392	1719	836	5963
Mean		3605	1927	1035	6570
CV		8.4	14.8	19.4	10.1
LSD (0.05)		428.5	403.1	284.8	938.2

Four replications, nearest-neighbour covariance adjustment.

ONTARIO
 Thunder Bay
 Ofcc Alfalfa Trial 2004
 Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
1325	MAGNUM_IV	4958	2478	7599
1608	NS04-044	5389	2471	7681
1609	GH700	4522	2455	6977
9041	ONEIDA_VR	4827	2575	7418
900	Mean	4924	2495	7419
901	CV	9.8	17.9	7.4
905	MCV	13.1	24.0	9.9
902	LSD	645.8	597.7	732.3
906	LSR	74.5	500.1	104.0
907	Pr>F(Trts)	0.1921	0.9825	0.3434
908	R_square	94.9	52.2	93.0

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

ONTARIO
 Elora
 Ofcc Alfalfa Trial 2004
 Expt. 2814
 Seeded 2004

Code	Cultivar	2005 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot05
1232	GUARDSMAN	3925	2595	1494	7908
1311	PREVAIL	3796	2312	1527	7665
1325	MAGNUM_IV	3934	2290	1474	7615
1602	WL346LH	4059	2529	1532	8154
1603	WL357HQ	3870	2661	1689	8220
1604	P435	3968	2939	1733	8725
1605	P436	4089	2860	1646	8594
1606	P4Q9	3978	2805	1621	8426
1607	GENOA	4081	2734	1590	8435
1608	NS04-044	4056	2900	1738	8770
1609	GH700	4221	2676	1558	8413
1610	SA034	3865	2689	1693	8178
1611	SUNSTRA-420	4185	2579	1742	8631
1612	SUNSTRA-421	3975	2535	1728	8224
1613	53V52	4021	2825	1773	8650
1614	94023	3929	2735	1719	8382
1615	STEALTHSF	3772	2483	1576	7749
9041	ONEIDA_VR	3912	2622	1664	8162
900	Mean	3980	2654	1639	8272
901	CV	7.4	8.1	10.9	6.4
905	MCV	8.8	9.6	13.0	7.7
902	LSD	350.2	255.0	213.6	633.9
906	LSR	77.9	39.3	71.3	54.9
907	Pr>F(Trts)	0.8427	0.0027	0.5355	0.0978
908	R_square	57.5	76.5	71.7	73.2

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

ONTARIO
 New Liskeard
 Alfalfa registration
 Expt. 4001
 Seeded 2004

Code	Cultivar	2005 (kg/ha)		Tot05
		Cut 1	Cut 2	
1325	MAGNUM_IV	7339	5479	12818
1602	WL346LH	6394	5232	11626
1603	WL357HQ	6618	5279	11897
1604	P435	6516	5195	11711
1605	P436	6283	5065	11348
1606	P4Q9	5502	5201	10703
1607	40M157	7082	5450	12532
1610	SA034	6540	5615	12155
1611	SUNSTRA-420	6862	5728	12591
1612	SUNSTRA-421	6401	5549	11951
1613	53V52	6489	5395	11883
1311	PREVAIL	6650	5658	12308
9041	ONEIDA_VR	5587	5368	10955
900	Mean	6482	5401	11883
901	CV	18.3	10.0	11.3
905	MCV	21.9	12.0	13.5
902	LSD	1420.4	646.7	1606.5
906	LSR	77.3	97.4	75.9
907	Pr>F(Trts)	0.7056	0.8576	0.5807
908	R_square	23.7	21.0	26.4

RCBD arrangement, 4 blocks {1234}

E5046 Persistence Trial, Seeded 2000 New Liskeard, Harvested 2005.

Variety	Code	Yield (kg/ha)		Total
		Cut 1	Cut 2	
SARANAC	1001	4964	2124	7115
ARROW	1074	3524	1590	5243
5312	1298	5263	2130	6996
MAGNUM_IV	1325	5642	2167	7656
GRAZEMASTER	1402	5244	2221	7455
54V54	1419	4458	2020	6584
VALUEPLUS1	1529	5111	2440	7710
3R58	1530	5082	2214	7264
INTRIGUE	1531	5155	2016	6983
TRAILBLAZER3	1533	3738	1852	5794
A9502	1534	4954	1705	6562
RELIANCE	1535	5592	2523	8035
X787	1536	6276	2671	8944
X688	1537	4774	2311	7407
DS025	1538	4153	1362	5339
DS026	1539	5354	2104	7034
5301ML	1540	4391	1172	5811
TMF_MULT_III	1541	4794	1753	6724
DS9810	1542	5072	2048	7434
ONEIDA_ULTRA	1543	5756	1912	7571
CW73038	1544	4601	2154	6685
CENTURION	9053	4106	1645	5791
Mean		4909	2006	6915
CV		13.1	16.8	11.7
LSD (0.05)		908.5	478.9	1146.3

Systematic control covariance adjustment.

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

Code	Cultivar	2005 (kg/ha)			Tot05	Tot04	Tot03	3yrTot
		Cut 1	Cut 2	Cut 3				
8014	ALICE	4602	965	143	5711	8784	6798	21293
8026	CW9502	4138	763	163	5065	7115	6492	18671
8027	CW9801	4423	939	207	5569	7420	6889	19878
900	Mean	4388	889	171	5448	7773	6727	19947
901	CV	6.9	20.1	12.0	9.1	5.7	5.8	3.3
905	MCV	12.1	35.0	21.0	15.9	9.8	10.1	5.8
902	LSD	530.0	311.1	35.8	866.1	764.8	681.0	1153.3
906	LSR	114.2	154.0	55.9	134.1	45.8	171.5	44.0
907	Pr>F(Trts)	0.2811	0.4092	0.0450	0.3472	0.0216	0.4952	0.0230
908	R_square	74.6	43.4	85.1	61.7	87.0	85.4	90.5

RCBD arrangement, 3 blocks {124}

ONTARIO
 Elora
 Orchardgrass Performance
 Expt. 2803
 Seeded 2001

Code	Cultivar	2005 (kg/ha)			Tot05	Tot03	Tot02	3yrTot
		Cut 1	Cut 2	Cut 3				
3003	KAY	4498	648	857	6004	6366	7463	19833
3105	BARIDANA	4058	755	986	5800	6534	8157	20490
3106	INTENSIV	3845	841	1000	5685	6717	8220	20623
3107	OG2000VLA	3252	713	710	4675	5849	7204	17728
900	Mean	3913	739	888	5541	6366	7761	19668
901	CV	5.0	10.6	8.0	4.5	5.5	8.2	3.8
905	MCV	6.5	13.7	10.4	5.8	7.1	10.6	4.9
902	LSD	252.6	101.1	92.5	323.0	452.8	823.2	968.1
906	LSR	20.3	52.6	31.9	24.3	52.1	81.1	33.4
907	Pr>F(Trts)	0.0001	0.0393	0.0010	0.0002	0.0329	0.1223	0.0015
908	R_square	90.7	85.5	91.0	91.2	72.9	58.7	83.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Late Orchardgrass Trial
 Expt. 2815
 Seeded 2004

Code	Cultivar	2005 (kg/ha)			
		Cut 1	Cut 2	Cut 3	Tot05
3079	OKAY	2836	1030	1212	5079
3096	OG9401	2595	899	1094	4588
3108	OG9704	3047	1139	1395	5581
3109	COMMAND	3202	1274	1396	5872
3110	OG01	3087	994	1239	5319
900	Mean	2953	1067	1267	5288
901	CV	14.6	12.7	9.5	10.8
905	MCV	18.4	16.0	12.0	13.6
902	LSD	542.6	171.2	151.6	721.0
906	LSR	89.3	45.6	50.2	56.1
907	Pr>F(Trts)	0.3441	0.0189	0.0176	0.0657
908	R_square	81.9	73.5	77.7	73.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Tall Fescue Trial
 Expt. 2799
 Seeded 2001

Code	Cultivar	2005 (kg/ha)			Tot05	Tot04	Tot03	Tot02	4yrTot
		Cut 1	Cut 2	Cut 3					
5029	CAS-EA30	2796	1061	717	4574	6701	7252	6752	25280
5030	BAROLEX	2060	1141	766	3967	5882	6531	6810	23190
5523	COURTENAY	2420	1322	1164	4906	7084	7929	7752	27671
900	Mean	2425	1175	882	4482	6556	7238	7105	25380
901	CV	8.7	11.3	12.5	8.8	9.3	4.6	4.4	4.3
905	MCV	12.0	15.5	17.1	12.0	12.8	6.3	6.1	5.9
902	LSD	291.2	182.0	151.0	539.0	838.3	459.2	434.3	1485.6
906	LSR	39.6	69.8	33.8	57.4	69.7	32.8	43.5	33.1
907	Pr>F(Trts)	0.0085	0.0761	0.0027	0.0387	0.0767	0.0036	0.0077	0.0038
908	R_square	83.4	85.1	90.8	82.1	78.2	87.6	91.6	86.8

RCBD arrangement, 4 blocks {1234}

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

Code	Cultivar	2005 (kg/ha)		Tot05
		Cut 1	Cut 2	
5026	SELECT	3098	1109	4180
5028	CARNIVAL	3362	1347	4765
5031	BOR_86218	2057	1500	3545
5523	COURTENAY	2564	1624	4132
5526	KOKANEE	2474	1731	4257
5527	MONTEBELLO	2694	1358	4039
900	Mean	2708	1445	4153
901	CV	13.3	9.5	8.3
905	MCV	16.7	11.9	10.4
902	LSD	451.3	171.5	430.0
906	LSR	34.6	27.6	35.2
907	Pr>F(Trts)	0.0033	0.0006	0.0121
908	R_square	85.3	83.8	89.4

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

ONTARIO
 New Liskeard
 Tall Fescue Registration
 Expt. 3003
 Seeded 2003

Code	Cultivar	2005 (kg/ha)			
		Cut 1	Tot05	Tot04	2yrTot
5008	COMMON	5480	5480	11164	16644
5031	BOR_86218	5830	5830	10614	16445
5523	COURTENAY	6640	6640	10829	17470
900	Mean	5984	5984	10869	16853
901	CV	7.7	7.7	4.4	3.6
905	MCV	10.6	10.6	6.1	5.0
902	LSD	631.3	631.3	662.5	839.2
906	LSR	54.4	54.4	120.5	81.9
907	Pr>F(Trts)	0.0299	0.0299	0.3355	0.1148
908	R_square	76.5	76.5	49.7	67.3

RCBD arrangement, 4 blocks {1234}

ONTARIO
New Liskeard
Tall Fescue 2004
Expt. 4004
Seeded 2004

Code	Cultivar	2005 (kg/ha)	
		Cut 1	Tot05
5032	EXCELLA	5669	5669
5523	COURTENAY	6328	6328
900	Mean	5999	5999
901	CV	4.0	4.0
905	MCV	6.7	6.7
902	LSD	399.8	399.8
906	LSR	60.7	60.7
907	Pr>F(Trts)	0.0331	0.0331
908	R_square	92.2	92.2

RCBD arrangement, 4 blocks {1234}

ONTARIO
Thunder Bay
Tall Fescue 2004

Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
5032	EXCELLA	8110	3279	11389
5523	COURTENAY	9099	2981	12080
900	Mean	8604	3130	11735
901	CV	7.4	16.2	7.6
902	LSD	NS	NS	NS
907	Pr>F(Trts)	0.1163	0.4663	0.3538

ONTARIO
 Elora
 Early Timothy Trial
 Expt. 2801
 Seeded 2001

Code	Cultivar	2005 (kg/ha)					
		Cut 1	Cut 2	Tot05	Tot03	Tot02	3yrTot
6030	TORO	4342	623	4965	7350	9318	21632
6050	RICHMOND	4316	537	4853	7295	8505	20653
6094	BARLIZA	3915	505	4420	5953	8849	19222
900	Mean	4191	555	4746	6866	8891	20502
901	CV	10.3	18.9	10.4	9.1	4.6	4.4
905	MCV	14.2	26.0	14.3	12.4	6.3	6.1
902	LSD	594.0	144.2	676.9	854.6	556.3	1248.7
906	LSR	139.2	122.3	124.3	61.2	68.4	51.8
907	Pr>F(Trts)	0.3589	0.3280	0.3256	0.0322	0.0764	0.0266
908	R_square	56.0	48.8	49.1	74.9	60.5	71.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Early Timothy 2003
 Expt. 2809
 Seeded 2003

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
6030	TORO	3526	764	4290
6050	RICHMOND	3014	600	3614
6156	BOR_9911	2916	830	3746
6160	TM9901	3409	770	4179
900	Mean	3216	741	3957
901	CV	11.4	12.7	9.8
905	MCV	14.7	16.4	12.7
902	LSD	473.2	121.5	503.7
906	LSR	77.6	52.9	74.5
907	Pr>F(Trts)	0.1123	0.0362	0.0974
908	R_square	83.4	89.1	84.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Timothy registration test
 Expt. 3002
 Seeded 2003

Code	Cultivar	2005 (kg/ha)			
		Cut 1	Tot05	Tot04	2yrTot
6002	CLIMAX	5855	5855	8249	14104
6026	ITASCA	6082	6082	9352	15434
6030	TORO	6041	6041	9484	15524
6050	RICHMOND	6547	6547	9786	16333
6156	BOR_9911	6231	6231	9035	15266
6157	YPRA-7	5723	5723	10309	16032
6158	YPCB-4	6443	6443	9539	15982
6159	YPTB-2	6615	6615	10366	16981
900	Mean	6192	6192	9515	15707
901	CV	9.9	9.9	5.3	5.8
905	MCV	12.0	12.0	6.5	7.1
902	LSD	744.9	744.9	617.7	1117.6
906	LSR	83.5	83.5	29.2	38.9
907	Pr>F(Trts)	0.3843	0.3843	0.0002	0.0132
908	R_square	40.4	40.4	75.3	56.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Elora
 Late Timothy Trial
 Expt. 2800
 Seeded 2001

Code	Cultivar	2005 (kg/ha)				
		Cut 1	Tot05	Tot03	Tot02	3yrTot
6002	CLIMAX	4908	4908	9541	8618	22769
6026	ITASCA	4715	4715	9589	8458	22848
6086	ALEXANDER	5429	5429	9080	9224	23900
6116	SAGUENAY	4849	4849	8538	9482	22775
6138	AURORA	5648	5648	9676	9805	24900
6154	SF8904	4518	4518	8922	8445	21873
6155	AC_ANTOINE	5425	5425	9301	9631	24736
900	Mean	5070	5070	9235	9095	23400
901	CV	11.4	11.4	7.9	4.6	4.7
905	MCV	14.0	14.0	9.7	5.7	5.8
902	LSD	711.9	711.9	895.8	515.5	1349.5
906	LSR	63.0	63.0	78.7	37.9	44.6
907	Pr>F(Trts)	0.1271	0.1271	0.4271	0.0043	0.0154
908	R_square	67.6	67.6	48.6	81.7	72.5

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

ONTARIO
 Elora
 Ofcc Late Timothy 2003
 Expt. 2810
 Seeded 2003

Code	Cultivar	2005 (kg/ha)	
		Cut 1	Tot05
6002	CLIMAX	3619	3619
6026	ITASCA	4633	4633
6157	YPRA-7	4584	4584
6158	YPCB-4	3815	3815
6159	YPTB-2	4657	4657
900	Mean	4261	4261
901	CV	6.7	6.7
905	MCV	8.5	8.5
902	LSD	361.7	361.7
906	LSR	34.8	34.8
907	Pr>F(Trts)	0.0004	0.0004
908	R_square	87.7	87.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
New Liskeard
Late timothy registration
Expt. 4002
Seeded 2004

Code	Cultivar	2005 (kg/ha)	
		Cut 1	Tot05
6002	CLIMAX	5175	5175
6026	ITASCA	5282	5282
6161	NS04-T01	5143	5143
900	Mean	5200	5200
901	CV	7.6	7.6
905	MCV	10.5	10.5
902	LSD	545.3	545.3
906	LSR	393.4	393.4
907	Pr>F(Trts)	0.8728	0.8728
908	R_square	70.7	70.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
Thunder Bay
Late timothy registration
Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
6002	CLIMAX	5719	3440	9158
6026	ITASCA	8151	3047	11198
6161	NS04-T01	7710	5091	12801
900	Mean	7193	3859	11053
901	CV	15.1	20.5	10.3
902	LSD	1880	1367	1971
907	Pr>F (Trts)	0.0412	0.0231	0.0115

ONTARIO
 Kemptville
 Late Timothy 2004
 Expt. 2850
 Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
6002	CLIMAX	6469	1736	8206
6026	ITASCA	6917	3018	9935
6161	NS04-T01	8033	3749	11782
900	Mean	7140	2835	9974
901	CV	10.2	13.0	7.3
905	MCV	14.0	17.8	10.0
902	LSD	1000.2	505.5	997.3
906	LSR	64.0	25.1	27.9
907	Pr>F(Trts)	0.0550	0.0010	0.0017
908	R_square	89.3	91.5	94.4

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Kemptville
 Reed Canary 2004
 Expt. 2849
 Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
5013	PALATON	7341	5331	12672
5036	PR04-01	8644	5596	14240
900	Mean	7992	5464	13456
901	CV	9.2	4.9	7.0
905	MCV	15.4	8.2	11.6
902	LSD	1228.9	449.1	1557.3
906	LSR	94.3	169.5	99.3
907	Pr>F(Trts)	0.0892	0.2594	0.0994
908	R_square	86.6	92.3	84.9

RCBD arrangement, 4 blocks {1234}

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

Code	Cultivar	2005 (kg/ha)	
		Cut 1	Tot05
5013	PALATON	7752	7752
5036	PR04-01	7332	7332
900	Mean	7542	7542
901	CV	10.1	10.1
905	MCV	16.7	16.7
902	LSD	1262.2	1262.2
906	LSR	300.3	300.3
907	Pr>F(Trts)	0.4930	0.4930
908	R_square	68.0	68.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 Thunder Bay
 Reed Canary Test 2004
 Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
5013	PALATON	9268	3630	12899
5036	PR04-01	8965	3701	12666
900	Mean	9117	3665	12782
901	CV	3.5	8.0	3.3
902	LSD	NS	NS	NS
907	Pr>F(Trts)	0.2689	0.7550	0.4877

ONTARIO
 Kemptville
 Meadow Fescue 2004
 Expt. 2851
 Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
5033	MIMER	6611	1878	8489
5034	EPIC	7464	2000	9464
5035	MERIFEST	5754	2129	7883
900	Mean	6610	2002	8612
901	CV	10.7	17.1	7.0
905	MCV	18.6	29.8	12.2
902	LSD	1226.3	596.5	1051.6
906	LSR	71.7	237.5	66.5
907	Pr>F(Trts)	0.0978	0.6944	0.0775
908	R_square	75.7	59.7	77.8

RCBD arrangement, 3 blocks {123}

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

Code	Cultivar	2005 (kg/ha)	
		Cut 1	Tot05
5033	MIMER	5753	5753
5034	EPIC	6158	6158
5035	MERIFEST	5424	5424
900	Mean	5778	5778
901	CV	5.5	5.5
905	MCV	7.5	7.5
902	LSD	435.9	435.9
906	LSR	59.4	59.4
907	Pr>F(Trts)	0.0462	0.0462
908	R_square	86.7	86.7

RCBD arrangement, 4 blocks {1234}

ONTARIO
Thunder Bay
Meadow Fescue Test 2004
Expt. 4003
Seeded 2004

Code	Cultivar	2005 (kg/ha)		
		Cut 1	Cut 2	Tot05
5033	MIMER	8328	2313	10640
5034	EPIC	8568	2205	10772
5035	MERIFEST	7998	2874	10872
900	Mean	8298	2464	10761
901	CV	8.9	20.9	4.9
902	LSD	NS	NS	NS
907	Pr>F(Trts)	0.5807	0.2233	0.8279