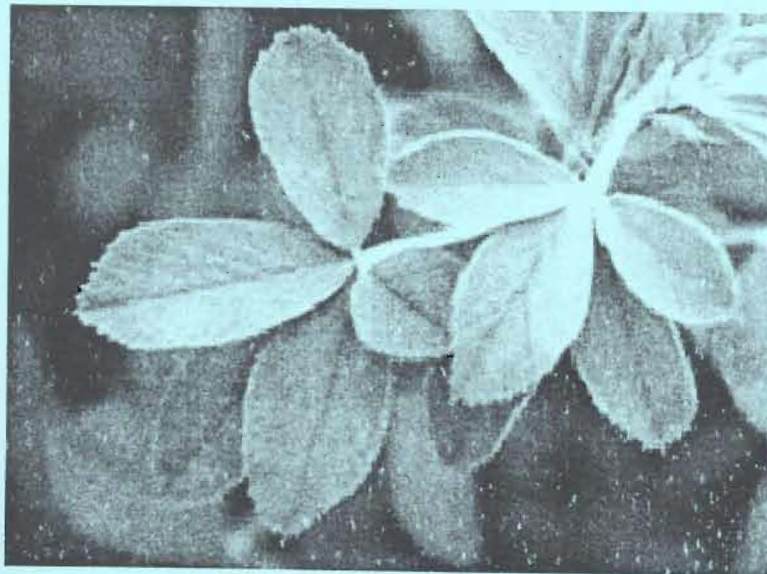


ONTARIO FORAGE CROP INVESTIGATIONS



2008 REPORT ON FIELD TRIALS OF VARIETIES AND MIXTURES

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

REPORT ON FORAGE CROPS TRIALS
ONTARIO FORAGE CROP COMMITTEE

Compiled by: Donna Hancock

Joan McKinlay
Variety Sub-Committee Chair
Ontario Forage Crop Committee

Conducted co-operatively by:

University of Guelph
Ontario Ministry of Agriculture and Food

This is the 2008 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***Not For Publication:* This is a progress report of co-operative investigations containing data, the interpretation of which may be modified with additional experimentation.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	2008 (kg/ha)							
		Cut 1	Cut 2	Tot08	Tot07	Tot06	Tot05	Tot04	5yrTot
1298	5312	5253	3961	9182	8349	9236	9890	10294	47325
1325	MAGNUM_IV	7029	4374	11397	9932	11381	10182	10125	53116
1581	54Q25	6639	4487	11120	10839	11001	10195	10575	53414
1582	54V46	6486	4073	10574	9085	10850	10688	10557	51665
1593	DS328	6294	4124	10415	10117	10262	10281	10181	51516
1594	DS329	7084	4497	11589	9923	10612	10373	9788	52307
1595	DS330	6332	4256	10584	9380	10616	10246	10821	51473
1596	SWLU_8407	5570	4078	9685	8449	9863	9645	10689	47800
1598	54H11	6878	5073	11943	10017	10477	10666	10429	53886
900	Mean	6396	4325	10721	9566	10478	10241	10384	51389
901	CV	11.0	10.5	9.0	8.3	4.8	5.4	4.7	3.5
905	MCV	13.3	12.8	10.9	10.1	5.8	6.6	5.7	4.3
902	LSD	852.9	551.4	1165.2	968.1	608.9	670.8	595.8	2194.2
906	LSR	46.6	49.6	42.2	38.9	28.4	64.3	57.7	33.4
907	Pr>F(Trts)	0.0143	0.0723	0.0096	0.0083	0.0004	0.2547	0.3301	0.0002
908	R_square	55.8	50.1	58.9	73.5	72.2	81.7	60.4	73.7

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

ONTARIO
 New Liskeard
 Alfalfa Registration C 2004
 Expt. 4001
 Seeded 2004

Code	Cultivar	2008 (kg/ha)		Tot08	Tot07	Tot06	Tot05	4yrTot
		Cut 1	Cut 2					
1325	MAGNUM_IV	6147	4237	10362	10290	11171	12802	44319
1602	WL346LH	5214	4025	9137	9523	10245	11902	40862
1603	WL357HQ	6312	4349	10630	10231	9870	11588	42762
1604	P435	6310	4625	11073	10437	10139	11818	42937
1605	P436	6062	4132	10298	10002	9217	11227	40432
1606	P4Q9	5370	4390	9703	9908	10061	10428	40462
1607	GENOA	6557	4047	10602	10050	10168	11936	43510
1610	SA034	6471	4407	10864	10165	10653	11726	43608
1611	SUNSTRA-420	5933	4108	9994	10064	9990	12303	42417
1612	SUNSTRA-421	5403	3920	9290	9740	9322	11930	40670
1613	53V52	5760	4144	9963	10158	10963	12378	43524
1311	PREVAIL	6075	3868	9954	9740	10919	12855	43195
9041	ONEIDA_VR	5716	4015	9731	9662	10517	11584	40583
900	Mean	5949	4174	10123	9998	10249	11883	42253
901	CV	9.8	6.1	7.8	4.5	8.8	10.1	3.8
905	MCV	11.7	7.3	9.3	5.4	10.6	12.1	4.5
902	LSD	698.2	306.1	944.8	540.6	1087.8	1434.1	1916.5
906	LSR	52.0	40.4	48.8	59.1	55.7	59.1	49.3
907	Pr>F(Trts)	0.0449	0.0074	0.0397	0.2328	0.1208	0.3861	0.0042
908	R_square	51.1	77.1	50.9	67.1	59.2	44.6	66.3

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

ONTARIO
 New Liskeard
 Alfalfa Registration 2005
 Expt. 5001
 Seeded 2005

Code	Cultivar	2008 (kg/ha)		Tot08	Tot07	Tot06	3yrTot
		Cut 1	Cut 2				
1325	MAGNUM_IV	5717	4250	9992	10039	10247	30281
1432	OAC_SUPERIOR	6008	4682	10651	11383	10953	33034
1613	53V52	5943	4939	10942	10694	11469	33185
1616	53Q30	6245	4273	10570	10563	10093	31198
1622	GS55	5826	4521	10355	10333	10712	31372
1623	GS58	6546	4968	11437	10881	10064	32412
1635	SA_220	5247	4077	9272	10185	9141	28497
911	FILLER	5658	4658	10338	10343	10969	31645
900	Mean	5899	4546	10445	10553	10456	31453
901	CV	11.5	7.3	7.8	3.8	6.7	4.1
905	MCV	14.0	8.9	9.6	4.7	8.2	5.1
902	LSD	828.6	406.5	999.3	496.6	859.6	1592.2
906	LSR	63.8	45.6	46.2	37.0	36.9	34.0
907	Pr>F(Trts)	0.3326	0.0354	0.0969	0.0050	0.0069	0.0014
908	R_square	34.5	70.0	48.7	79.0	74.8	74.6

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

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

Code	Cultivar	2008 (kg/ha)			Tot08	Tot07	Tot06	3yrTot
		Cut 1	Cut 2	Cut 3				
1325	MAGNUM_IV	4321	3791	2464	10710	11635	12130	34529
1432	OAC_SUPERIOR	4316	4073	2625	10944	12471	12514	35863
1584	54H91	4048	3633	2213	9919	10316	11646	31898
1585	DAKOTA	4442	3770	2689	10851	12183	12270	35337
1613	53V52	4374	3826	2580	10735	11839	11938	34371
1616	53Q30	4209	3828	2662	10774	12217	11058	33933
1617	WL_348_AP	4376	3913	2644	10927	12914	12398	36290
1618	WL345LH	3765	3686	2382	9702	11291	11788	32852
1619	EVERMORE	4705	4144	2757	11609	12989	12939	37562
1620	MARVEL	4620	4233	2868	11705	13101	12518	37451
1621	SL-A5001	4501	3911	2601	11070	12525	12448	35879
1622	ELEVATE	4441	3759	2666	10904	11646	12468	34995
1623	FORCE	4886	3922	2884	11824	12776	12399	37003
1624	QS05009	4388	4127	2885	11294	12703	12105	35937
1625	QS04027	4570	4220	2908	11778	12986	11838	36928
1626	QS04023	4004	3957	2577	10589	11388	11294	33371
1627	QS15041	4295	4122	2801	11480	12529	12164	36343
1628	TOWER_ST	4349	3567	2475	10238	11629	11111	33019
1630	FSG400LH	4328	3638	2413	10212	11953	11819	34030
1631	FSG406	4432	3972	2649	11088	13187	11693	35711
1632	ESCALADE	4194	3850	2655	10734	12607	11903	35154
1633	GUARDSMAN_II	4131	4030	2720	10893	12428	11736	35021
1635	SA_220	4520	3712	2489	10832	10571	11762	33188
1636	RADAR	4344	4253	2878	11409	14092	13189	38769
911	FILLER	4166	3374	2318	9619	10956	11825	32289
900	Mean	4349	3892	2632	10874	12197	12038	35109
901	CV	6.4	7.3	7.5	5.5	7.6	5.9	5.2
905	MCV	7.6	8.6	8.8	6.5	8.9	7.0	6.1
902	LSD	330.9	335.9	232.5	703.3	1088.2	838.0	2150.7
906	LSR	29.5	38.2	33.5	31.9	28.8	39.3	31.3
907	Pr>F(Trts)	0.0009	0.0053	0.0001	0.0000	0.0000	0.0133	0.0000
908	R_square	72.7	70.8	80.4	81.6	75.3	60.0	75.6

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

Alfalfa seeded 2005 - Registration C

Kemptville

		Cut 1	Cut 2	Cut 3	Total
	Variety	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)
1616	53Q30	7130.1	3732.2	3717.2	14579.5
1613	53V52	7587.2	3725.5	3731.3	15044.0
1584	54H91	6811.4	4168.4	3661.6	14641.3
1632	Escalade	6761.9	4148.0	3786.0	14695.9
1619	Evermore	6823.8	4491.1	3930.3	15245.2
910	Filler	6682.2	4213.3	3773.6	14669.0
1630	FSG400LH	7641.4	4380.0	3705.6	15727.0
1631	FSG406	7079.2	4151.1	3322.6	14552.8
1622	GS55	7436.5	4276.9	3659.0	15372.4
1623	GS58	7372.1	4285.6	3958.5	15616.2
1633	Guardzman_II	7152.5	3961.1	3443.0	14556.7
1325	Magnum_IV	6323.7	3988.2	3687.0	13998.9
1620	Marvel	7788.9	4895.3	3964.7	16648.8
1432	OAC_Superior	7076.2	4160.7	3559.9	14796.8
911	Filler	6623.9	4433.3	3524.0	14581.2
1626	QS04023	6468.5	4527.7	3923.6	14919.8
1625	QS04027	6607.7	4335.1	3840.2	14783.0
1624	QS05009	7082.6	4673.4	4101.7	15857.6
1628	QS14032	6958.4	4249.2	3753.4	14960.9
1627	QS15041	6828.3	4285.3	4046.5	15160.1
1635	SA_220	6747.8	4315.2	3492.2	14555.3
1621	SLA5001	7113.1	4314.5	3507.5	14935.0
1599	WL319HQ	7198.3	4726.9	3687.4	15612.6
1618	WL345LH	7274.6	3839.4	3684.6	14798.6
1617	WL348AP	7371.2	4483.5	3559.2	15413.8
	Mean	7037.7	4270.4	3720.8	15028.9
	CV	9.5	14.4	10.1	6.9
	P>F	0.2	0.64	0.4	0.3
	LSD	946.4	865.1	530.3	1472.6

ONTARIO
 Elora
 Ofcc Registration Trial A
 Expt. 2859
 Seeded 2006

Code	Cultivar	2008 (kg/ha)			Tot08	Tot07	2yrTot
		Cut 1	Cut 2	Cut 3			
1325	MAGNUM_IV	5086	3820	2233	11047	8149	19198
1432	OAC_SUPERIOR	5352	3615	2212	11149	7831	18950
1608	QWEST	5388	3369	2214	10990	7687	18612
1616	53Q30	5250	3348	2092	10753	7751	18485
1637	53H92	5514	3918	2535	11864	7962	19884
1638	54V09	5302	4022	2432	11842	8488	20259
1639	SF2303	5409	3464	2098	10985	7927	18919
1640	SF2103	4784	3379	2031	10126	8076	18286
1641	SF2104	5301	3915	2474	11667	8397	20036
1642	GS25	5382	3623	2067	11141	8343	19420
1643	GS_89	5038	4055	2433	11549	8107	19789
1644	42H159_NK	5304	3528	2210	11133	7483	18733
1645	X-692	5231	3762	2207	11097	8059	19147
1646	WL343HQ	5639	3918	2543	12083	8288	20300
1647	QS416	5409	3445	2083	10844	7885	18881
1648	QS34029	5140	3214	2002	10431	7654	17948
1649	STELLAR_FG	4985	3416	2094	10586	7904	18458
1650	QS25006	5055	3980	2398	11418	8213	19592
1651	QS35006	5280	3784	2402	11526	8039	19504
911	Filler	5223	3931	2328	11434	8141	19648
900	Mean	5254	3675	2254	11183	8019	19202
901	CV	7.5	12.6	17.2	9.4	7.5	7.8
905	MCV	8.9	15.0	20.5	11.2	8.9	9.3
902	LSD	469.5	550.6	462.7	1256.9	713.2	1789.5
906	LSR	54.9	65.5	85.5	64.2	71.0	76.1
907	Pr>F(Trts)	0.4915	0.2528	0.6870	0.5874	0.7507	0.6969
908	R_square	51.9	48.0	47.5	47.1	55.3	50.7

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

ONTARIO
 New Liskeard
 Alfalfa Registration 2006
 Expt. 6001
 Seeded 2006

Code	Cultivar	2008 (kg/ha)		Tot08	Tot07	2yrTot
		Cut 1	Cut 2			
1325	MAGNUM_IV	6459	3632	9846	9291	18632
1432	OAC_SUPERIOR	6289	4029	10231	9541	19729
1616	53Q30	6768	4116	10915	9247	20547
1638	54V09	6759	4402	11785	9818	22084
1645	X_692	5793	4069	9867	9517	19352
911	FILLER	5755	3724	9152	8677	17544
900	Mean	6304	3996	10299	9349	19648
901	CV	8.6	8.1	7.3	5.8	5.7
905	MCV	10.7	10.1	9.1	7.2	7.2
902	LSD	676.7	402.9	940.6	675.3	1410.6
906	LSR	66.8	52.3	35.7	59.2	31.1
907	Pr>F(Trts)	0.1514	0.1853	0.0533	0.2219	0.0540
908	R_square	66.9	64.1	65.9	66.1	68.4

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

Alfalfa seeded 2007 Douglas ON (re-seeding of 2006 alfalfa)

		Cut 1	Cut 2	Cut 3	Total
	Variety	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)
1644	42H159NK	4908.7	3484.5	2678.2	11071.4
1637	53H92	4907.9	2968.9	2643.6	10520.4
1616	53Q30	5294.0	3057.3	2458.7	10810.1
1638	54V09	4764.8	2886.4	2505.0	10156.2
1325	Magnum_IV	3898.2	3417.5	2384.1	9699.8
1432	OAC_Superior	5216.8	3143.3	2655.3	11015.5
911	FILLER	5154.4	3429.7	2513.7	11097.7
1650	QS25006	5240.1	3333.8	2319.8	10893.6
1648	QS34029	4494.5	3575.5	2668.2	10738.2
1651	QS35006	5298.3	3244.5	2641.3	11184.0
1647	QS416	4357.7	3582.1	2389.8	10329.5
1649	QS85029	5349.0	3460.5	2630.8	11440.3
1640	SF2103	5182.8	2768.9	2499.6	10451.3
1641	SF2104	4744.3	3395.9	2543.8	10683.9
1639	SF2303	4549.1	3068.3	2795.6	10413.0
1646	WL343HQ	5091.6	3406.7	2773.9	11272.0
1645	X-692	4681.8	2888.9	2470.6	10041.3
	Mean	4890.2	3241.9	2563.1	10695.2
	CV	18.0	11.4	7.9	9.2
	P>F	0.64	0.03	0.05	0.54
	LSD	1251.8	523.8	287.3	1393.6

ONTARIO
 Huron Park
 Alfalfa Registration 2006
 Expt. 5065
 Seeded 2006

Code	Cultivar	2008 (kg/ha)			Tot08	Tot07	2yrTot
		Cut 1	Cut 2	Cut 3			
1325	MAGNUM_IV	7550	9737	2389	19561	9726	29252
1432	OAC_SUPERIOR	8093	9591	2389	20166	10425	30997
1639	SF2303	7446	8207	2164	17764	14874	32874
1640	SF2103	6520	10405	2700	19766	15618	35092
1641	SF2104	7666	8918	2627	19118	9768	28693
1642	GS25	6911	8825	2484	18203	16002	33550
1643	GS_89	7558	8373	2461	18464	9839	28643
1644	42H159_NK	7407	8582	2279	18186	18396	36645
911	FILLER	7983	9589	2072	19702	16988	36820
900	MEAN	7459	9136	2396	18992	13515	32507
901	CV	11.0	13.2	14.7	10.1	4.8	6.6
905	MCV	13.4	16.0	17.8	12.2	5.8	8.1
902	LSD	999.2	1465.4	426.8	2321.2	785.7	2619.2
906	LSR	63.5	66.7	68.0	96.6	9.1	32.0
907	PR>F(TRTS)	0.3219	0.2456	0.3010	0.6149	0.0000	0.0000

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

ONTARIO
 Thunder Bay
 Alfalfa Registration 2006
 Seeded 2006

Code	Cultivar	2008 (kg/ha)		Tot08
		Cut 1	Cut 2	
1325	MAGNUM_IV	3060	1984	5043
1432	OAC_SUPERIOR	2909	1976	4884
1600	4.2	2999	2098	5097
911	FILLER	3248	2066	5315
900	MEAN	3054	2031	5085
901	CV	9.4	8.4	6.6
902	LSD	NS	NS	NS
907	PR>F(TRTS)	0.4335	0.6893	0.3881

ONTARIO
 New Liskeard
 Alfalfa
 Expt. 7007
 Seeded 2007

Code	Cultivar	2008 (kg/ha)		
		Cut 1	Cut 2	Tot08
1432	OAC_SUPERIOR	6386	4510	11087
1638	54V09	6106	4705	10943
1652	55V48	5718	4721	10429
1653	DS450	6185	4785	10908
1654	DS723	6077	4876	10833
1655	L447HD	5947	4735	10555
1656	13017	5818	4813	10717
1657	15029	5912	4901	11020
1660	QS0131	6167	4838	10901
1661	SF2004	6724	5071	11676
911	FILLER	5782	5110	10818
900	Mean	6075	4824	10899
901	CV	9.8	6.7	5.8
905	MCV	11.8	8.0	7.0
902	LSD	717.3	388.1	763.7
906	LSR	71.3	64.7	61.2
907	Pr>F(Trts)	0.5145	0.4561	0.4496
908	R_square	64.9	40.7	64.3

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

E2825 Alfalfa performance, Elora, 2005 seeded, 2008 harvest.

Code		Yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1073	SURPASS	4257	4150	2847	11241
1294	DOMINION	3595	3479	2281	9355
1325	MAGNUM_IV	4373	3823	2598	10770
1388	GOLD_PLUS_MF	3847	3685	2525	10062
1392	AMERIGRAZE40	3891	3900	2639	10414
1402	GRAZEMASTER	4158	3922	2843	10903
1409	AFFINITY+Z	3847	3478	2251	9574
1410	STALLION	3974	4003	2658	10648
1411	JOLT	3812	3664	2499	10002
1416	RENAISSANCE	3972	3638	2399	10012
1419	54V54	3822	3553	2558	9963
1432	OAC_SUPERIOR	4152	3945	2589	10696
1448	PICKSD8925MF	3464	3434	2312	9217
1462	RHINO	3853	3756	2508	10142
1471	ENHANCER	4167	4056	2819	11027
1474	GENEVA	4041	3862	2759	10661
1479	MARQUIS	3298	3252	2400	8924
1481	APPROVED	3720	3380	2373	9476
1482	WINTERGOLD	3820	3758	2678	10238
1486	AC BRADOR	3733	3475	2253	9438
1498	_134	4122	4107	3045	11270
1504	PICKSD2065MF	4073	4002	2777	10858
1512	WL_327	3882	3903	2690	10495
1521	MAGNUM_3801	4010	3883	2569	10459
1524	HYBRID-FORCE	4236	3900	2840	11001
1525	FORECAST_100	3909	3806	2535	10254
1527	MACON	3473	3658	2440	9570
1535	RELIANCE	3978	3798	2584	10377
1537	VALIANT	4368	3937	2601	10902
1541	MULTIPLIER_3	3140	3140	2093	8383
1577	STARBUCK	4030	3675	2574	10264
1579	ASCEND	4227	4024	2803	11069
1580	STEAK	3782	3342	2432	9550
1582	54V46	4254	4006	2795	11045
1584	54H91	3719	3820	2462	9996
1586	CK2000	3765	3334	2284	9390
1599	WL319HQ	4093	3761	2676	10539
1600	4_2	3972	3979	2737	10671
1601	FSG300LH	3585	3605	2432	9635
1607	GENOA	4155	4139	2824	11111
1609	GH700	4100	3787	2723	10599
1610	SA034	4226	3808	2652	10692
1613	53V52	3934	3756	2537	10221
1615	STEALTHSF	4359	4430	2891	11688
1624	QS05009	4286	4235	2920	11453
1633	GUARDSMAN_II	3978	3448	2366	9784
1635	SA_220	4187	3922	2789	10886
1636	CW75046	3935	3974	2618	10511
911	filler	3702	3524	2415	9647
	mean	3944	3774	2590	10308
	se	170.91	152.28	129.76	398.81
	CV(%)	6.8	6.3	7.2	5.6

E2829 Alfalfa Performance Trial, seeded 2005, harvested 2008, New Liskeard.

Entry		Yield (kg/ha)		
		Cut 1	Cut 2	Total
1073	SURPASS	7225	4784	11996
1294	DOMINION	6939	5485	12407
1325	MAGNUM_IV	6590	5047	11618
1388	GOLD_PLUS_MF	6966	5325	12293
1392	AMERIGRAZE40	7109	4879	11977
1402	GRAZEMASTER	6081	4994	11052
1409	AFFINITY+Z	7189	4800	11973
1410	STALLION	6635	5093	11747
1411	JOLT	6564	4768	11347
1416	RENAISSANCE	6501	4996	11510
1419	54V54	6251	4852	11137
1432	OAC_SUPERIOR	6707	4884	11612
1448	PICKSD8925MF	6742	4690	11441
1462	RHINO	6179	4675	10869
1471	ENHANCER	6242	4342	10622
1474	GENEVA	6179	4608	10822
1479	MARQUIS	7145	4386	11562
1481	APPROVED	6680	4748	11482
1482	WINTERGOLD	7082	4564	11687
1486	AC_BRADOR	6170	4886	11085
1498	134	6948	4739	11722
1504	PICKSD2065MF	7189	4568	11748
1512	WL_327	6930	4721	11639
1521	MAGNUM_3801	6161	4978	11123
1524	HYBRID-FORCE	5562	5058	10627
1525	FORECAST_100	6707	5053	11753
1527	MACON	7520	5375	12876
1535	RELIANCE	5821	5331	11140
1537	VALIANT	6277	5392	11680
1541	MULTIPLIER_3	6134	5302	11443
1577	STARBUCK	7020	5155	12178
1579	ASCEND	6411	5245	11683
1580	STEAK	7154	5099	12265
1582	54V46	5857	5139	10997
1584	54H91	6796	5035	11795
1586	CK2000	6027	4908	10942
1599	WL319HQ	6868	5189	12017
1600	SATELLITE	6340	5529	11827
1601	FSG300LH	7261	5066	12307
1607	GENOA	6099	5229	11295
1609	GH700	7574	4857	12386
1610	SA034	6644	4785	11390
1613	53V52	6456	4526	10977
1615	STEALTHSF	6009	4586	10586
1624	QS05009	6206	4454	10670
1633	GUARDSMAN_II	6107	4842	10947
1635	SA_220	6546	4582	11113
1636	CW75046	5669	4823	10481
911	filler	6921	5345	12258
900	Mean	6579	4933	11512
901	CV(%)	12.0	8.1	8.8

E2827 Alfalfa performance, Enniskillen, 2005 seeded, 2008 harvest.

Code		Yield (kg/ha)			Total
		Cut 1	Cut 2	Cut 3	
1073	SURPASS	5619	1417	2489	9531
1294	DOMINION	5279	1658	2264	9306
1325	MAGNUM_IV	4750	1602	2240	8562
1388	GOLD_PLUS_MF	5783	1669	2143	9648
1392	AMERIGRAZE40	6217	1749	2168	10157
1402	GRAZEMASTER	5722	1628	2423	9810
1409	AFFINITY+Z	6116	1381	1906	9433
1410	STALLION	5672	1594	2367	9537
1411	JOLT	5906	1531	2045	9467
1416	RENAISSANCE	5805	1691	2654	10000
1419	54V54	6049	1781	2395	10158
1432	OAC_SUPERIOR	6341	1640	2563	10446
1448	PICKSD8925MF	4880	1445	2214	8456
1462	RHINO	6011	1601	2290	9812
1471	ENHANCER	5866	1444	2427	9742
1474	GENEVA	6214	1541	2416	10257
1479	MARQUIS	5902	1681	2173	9706
1481	APPROVED	5832	1723	1977	9567
1482	WINTERGOLD	5655	1842	2575	10075
1486	AC BRADOR	5389	1641	2211	9259
1498	_134	5760	1524	2248	9543
1504	PICKSD2065MF	6196	1918	2281	10399
1512	WL_327	6141	1534	2094	9834
1521	MAGNUM_3801	6384	1725	2266	10305
1524	HYBRID-FORCE	6855	1697	2367	10933
1525	FORECAST_100	5724	1718	2570	9995
1527	MACON	6733	1537	2150	10417
1535	RELIANCE	6217	1620	2350	10177
1537	VALIANT	5777	1467	2627	9876
1541	MULTIPLIER_3	5784	1785	2066	9720
1577	STARBUCK	5547	1541	2413	9452
1579	ASCEND	6333	1540	2360	10267
1580	STEAK	5617	1488	2419	9527
1582	54V46	6071	1710	2426	10225
1584	54H91	5374	1629	2106	9107
1586	CK2000	6710	1657	2217	10595
1599	WL319HQ	6466	1323	2712	10580
1600	SATELLITE	6214	1895	2239	10292
1601	FSG300LH	5452	1923	2062	9463
1607	GENOA	6303	1573	2797	10669
1609	GH700	6291	1596	2085	9982
1610	SA034	5567	1509	2303	9383
1613	53V52	5512	1738	2283	9541
1615	STEALTHSF	6197	1515	2577	10376
1624	QS05009	5830	1644	2715	10225
1633	GUARDSMAN_II	5876	1489	2548	9918
1635	SA_220	5590	1673	2516	9799
1636	CW75046	5913	1531	2407	9804
911	filler	5721	1409	2572	9715
	mean	5901	1616	2341	9858
	se	419.1	131.3	154.1	472.9
	CV(%)	13.0	13.8	11.1	8.6

ONTARIO
New Liskeard
Brome Grass
Expt. 7006
Seeded 2007

Code	Cultivar	2008 (kg/ha)		
		Cut 1	Cut 2	Tot08
2039	BRAVO	9737	3485	13222
2060	PEAK	10744	3329	14073
2066	BIG_FOOT	8301	3022	11322
900	Mean	9594	3279	12872
901	CV	8.8	16.4	8.5
905	MCV	12.1	22.5	11.6
902	LSD	1162.3	736.7	1497.6
906	LSR	47.6	159.2	54.4
907	Pr>F(Trts)	0.0187	0.5057	0.0302
908	R_square	80.8	65.0	71.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Orchard Grass Registration
 Expt. 6002
 Seeded 2006

Code	Cultivar	2008 (kg/ha)			Tot07	2yrTot
		Cut 1	Cut 2	Tot08		
3078	AC_SPLENDOR	6860	2798	9658	7688	17346
3079	OKAY	6982	2807	9789	8133	17922
3086	HAYMATE	6037	3178	9215	8888	18104
3096	OG9401	7477	2831	10309	8180	18489
3111	OG0001	6077	2785	8863	9088	17951
3110	OG01	6247	2895	9143	8814	17957
900	Mean	6614	2882	9496	8465	17961
901	CV	7.6	9.9	7.3	7.8	5.8
905	MCV	9.4	12.3	9.0	9.7	7.2
902	LSD	624.1	354.2	855.8	819.5	1299.2
906	LSR	43.3	90.2	59.2	58.5	113.6
907	Pr>F(Trts)	0.0052	0.4001	0.0954	0.0607	0.7766
908	R_square	70.2	48.4	58.8	58.4	49.8

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Orchard Grass
 Expt. 7004
 Seeded 2007

Code	Cultivar	2008 (kg/ha)		
		Cut 1	Cut 2	Tot08
3003	KAY	7986	3867	11852
3079	OKAY	8847	4045	12892
3086	HAYMATE	8509	4290	12799
3112	QS23	8179	4563	12742
900	Mean	8380	4191	12571
901	CV	11.4	5.4	7.7
905	MCV	14.8	7.0	10.0
902	LSD	1240.5	292.8	1259.6
906	LSR	144.0	42.1	121.2
907	Pr>F(Trts)	0.6180	0.0095	0.4420
908	R_square	56.9	89.8	66.0

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue Registration
 Expt. 3003
 Seeded 2003

Code	Cultivar	2008 (kg/ha)		Tot08	Tot07	Tot06	Tot05	Tot04	5yrTot
		Cut 1	Cut 2						
5008	COMMON	4127	4426	8553	7383	10928	5480	11164	43508
5031	BOR_86218	4071	4309	8381	7499	10759	5830	10614	43083
5523	COURTENAY	4701	4012	8713	8493	11355	6640	10829	46031
900	Mean	4300	4249	8549	7791	11014	5984	10869	44207
901	CV	11.1	18.7	6.2	3.2	10.3	7.7	4.4	3.7
905	MCV	15.3	25.7	8.5	4.4	14.1	10.6	6.1	5.1
902	LSD	657.9	1091.3	728.5	339.3	1554.1	631.3	662.5	2260.1
906	LSR	104.4	263.4	219.0	30.6	260.4	54.4	120.5	76.7
907	Pr>F(Trts)	0.2002	0.7599	0.6936	0.0017	0.7557	0.0299	0.3355	0.0874
908	R_square	57.5	17.8	51.8	89.9	28.2	76.5	49.7	63.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue 2004
 Expt. 4004
 Seeded 2004

Code	Cultivar	2008 (kg/ha)						
		Cut 1	Cut 2	Tot08	Tot07	Tot06	Tot05	4yrTot
5032	EXCELLA	3963	2371	6335	6467	10038	5669	28509
5523	COURTENAY	6085	2255	8340	8097	11262	6328	34027
900	Mean	5024	2313	7337	7282	10650	5999	31268
901	CV	10.5	9.1	5.9	6.6	10.6	4.0	4.0
905	MCV	17.4	15.1	9.9	11.0	17.7	6.7	6.6
902	LSD	875.8	348.7	723.5	804.5	1886.3	399.8	2065.9
906	LSR	41.3	298.7	36.1	49.4	154.1	60.7	37.4
907	Pr>F(Trts)	0.0138	0.4909	0.0103	0.0206	0.2241	0.0331	0.0112
908	R_square	92.6	62.1	94.2	88.9	55.6	92.2	93.1

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Tall Fescue
 Expt. 7003
 Seeded 2007

Code	Cultivar	2008 (kg/ha)		
		Cut 1	Cut 2	Tot08
5028	CARNIVAL	9736	5061	14797
5037	BARELITE	9261	4125	13386
5523	COURTENAY	10877	4274	15151
5526	KOKANEE	9715	4521	14236
900	Mean	9897	4495	14393
901	CV	8.3	12.9	7.3
905	MCV	10.7	16.7	9.4
902	LSD	1061.7	749.2	1356.7
906	LSR	65.7	80.0	76.8
907	Pr>F(Trts)	0.0984	0.1807	0.1617
908	R_square	70.1	53.6	59.2

RCBD arrangement, 4 blocks {1234}

Reed Canarygrass 2004
Kemptville

		Cut 1	Cut 2	Cut 3	Total
	Variety	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)
5013	Palaton	7610.1	5715.1	4249.0	17574.2
5036	PR04-01	6961.5	6288.0	6067.8	19317.3
	Mean	7285.8	6001.5	5158.4	18445.8
	CV	4.7	6.4	10.7	5.1
	P>F	0.08	0.12	0.02	0.08
	LSD	773.8	867.4	1241.7	2106.5

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

Code	Cultivar	2008 (kg/ha)						
		Cut 1	Cut 2	Tot08	Tot07	Tot06	Tot05	4yrTot
5013	PALATON	4803	2833	7636	7969	10533	7752	33891
5036	PR04-01	4923	2968	7891	7861	9784	7332	32868
900	Mean	4863	2901	7764	7915	10159	7542	33379
901	CV	6.1	16.6	8.2	12.2	4.2	10.1	2.8
905	MCV	10.2	27.7	13.6	20.2	7.0	16.7	4.6
902	LSD	496.7	802.4	1058.5	1600.4	714.6	1262.2	1546.4
906	LSR	417.0	592.7	415.9	1488.0	95.4	300.3	151.2
907	Pr>F(Trts)	0.6130	0.7130	0.6122	0.8556	0.0913	0.4930	0.2175
908	R_square	89.1	35.9	77.9	33.7	85.6	68.0	93.6

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Timothy registration test
 Expt. 3002
 Seeded 2003

Code	Cultivar	2008 (kg/ha)							
		Cut 1	Cut 2	Tot08	Tot07	Tot06	Tot05	Tot04	5yrTot
6002	CLIMAX	5628	2321	7949	5397	10214	5855	8249	37664
6026	ITASCA	5713	3170	8884	6253	10281	6082	9352	40851
6030	TORO	5651	3021	8672	5631	10338	6041	9484	40165
6050	RICHMOND	5811	2875	8686	5621	10339	6547	9786	40979
6156	BOR_9911	5930	2773	8704	5740	9997	6231	9035	39708
6157	YPRA-7	5230	3042	8272	5777	10723	5723	10309	40804
6158	YPCB-4	5731	2683	8414	5881	11311	6443	9539	41588
6159	YPTB-2	5786	2973	8759	5587	10309	6615	10366	41635
900	Mean	5685	2857	8542	5736	10439	6192	9515	40424
901	CV	14.5	12.6	12.0	9.5	8.4	9.9	5.3	6.4
905	MCV	17.6	15.4	14.6	11.6	10.2	12.0	6.5	7.8
902	LSD	1000.0	438.6	1247.9	663.8	1065.2	744.9	617.7	3155.2
906	LSR	142.8	51.6	133.6	77.5	81.1	83.5	29.2	79.4
907	Pr>F(Trts)	0.9640	0.0776	0.9134	0.5485	0.5555	0.3843	0.0002	0.4648
908	R_square	41.7	54.0	43.8	29.0	29.8	40.4	75.3	37.9

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 late timothy registration
 Expt. 4002
 Seeded 2004

Code	Cultivar	2008 (kg/ha)						
		Cut 1	Cut 2	Tot08	Tot07	Tot06	Tot05	4yrTot
6002	CLIMAX	4951	1554	6505	4836	8740	5175	25257
6026	ITASCA	5079	1504	6583	4723	9847	5282	26435
6161	NS04-T01	5568	1542	7110	5164	10892	5143	28309
900	Mean	5199	1533	6733	4908	9827	5200	26667
901	CV	6.0	22.0	7.8	3.8	6.2	7.6	3.7
905	MCV	8.3	30.2	10.7	5.2	8.5	10.5	5.1
902	LSD	430.1	463.4	722.7	254.0	832.9	545.3	1353.7
906	LSR	69.8	925.5	119.6	57.5	38.7	393.4	44.4
907	Pr>F(Trts)	0.0688	0.9647	0.2843	0.0355	0.0077	0.8728	0.0136
908	R_square	83.0	30.4	74.0	91.2	84.4	70.7	86.1

RCBD arrangement, 4 blocks {1234}

ONTARIO
 New Liskeard
 Late Timothy
 Expt. 7001
 Seeded 2007

Code	Cultivar	2008 (kg/ha)		
		Cut 1	Cut 2	Tot08
6002	CLIMAX	7505	3759	11264
6026	ITASCA	9008	4490	13498
6166	BARFLEO	7138	4729	11868
6167	BOR_2005	8100	5037	13137
6168	BARPENTA	6838	3227	10064
6169	KARA	8121	4947	13067
900	Mean	7785	4365	12150
901	CV	12.6	10.5	8.2
905	MCV	15.6	13.1	10.2
902	LSD	1213.0	570.7	1240.9
906	LSR	55.9	31.5	36.1
907	Pr>F(Trts)	0.0698	0.0003	0.0015
908	R_square	53.8	82.2	71.4

RCBD arrangement, 4 blocks {1234}

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

Code	Cultivar	2008 (kg/ha)						
		Cut 1	Cut 2	Tot08	Tot07	Tot06	Tot05	4yrTot
5033	MIMER	3879	1110	4989	3100	6797	5753	20639
5034	EPIC	3993	1239	5231	3317	7722	6158	22427
5035	MERIFEST	3623	1208	4831	3459	8388	5424	22102
900	Mean	3832	1186	5017	3292	7636	5778	21723
901	CV	6.3	16.1	7.7	7.9	6.6	5.5	5.0
905	MCV	8.7	22.1	10.6	10.8	9.0	7.5	6.9
902	LSD	331.8	261.5	530.6	356.6	690.1	435.9	1493.0
906	LSR	89.8	202.6	132.7	99.5	43.4	59.4	83.5
907	Pr>F(Trts)	0.1659	0.6319	0.3964	0.2245	0.0126	0.0462	0.1202
908	R_square	94.2	46.7	87.2	62.3	84.6	86.7	73.4

RCBD arrangement, 4 blocks {1234}

Meadow Fescue seeded 2007
Kemptville

		Cut 1	Cut 2	Cut 3	Total
	Variety	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)
5034	Epic	5218.7	1921.5	765.69	7905.9
5033	Mimer	6237.9	1855.2	697.8	8790.8
5038	Pardel	5577.6	2255.2	1104.92	8937.6
	Mean	5678	2010.6	856.1	8544.8
	CV	12.6	16.3	7.9	8.7
	P>F	0.2	0.26	0.003	0.19
	LSD	1233.5	566.3	116.6	1282.1

ONTARIO
 New Liskeard
 Meadow Fescue
 Expt. 7002
 Seeded 2007

Code	Cultivar	2008 (kg/ha)		
		Cut 1	Cut 2	Tot08
5033	MIMER	8661	2426	11087
5034	EPIC	7621	2716	10336
5038	PARDEL	7230	3360	10589
900	Mean	7837	2834	10671
901	CV	16.5	17.0	10.9
905	MCV	22.7	23.3	14.9
902	LSD	1780.4	661.5	1592.2
906	LSR	124.4	70.8	212.1
907	Pr>F(Trts)	0.3395	0.0805	0.6696
908	R_square	51.0	67.8	44.5

RCBD arrangement, 4 blocks {1234}

ONTARIO
Thunder Bay
Meadow Fescue

Seeded 2007

Code	Cultivar	2008 (kg/ha) Total 08
5033	MIMER	5115
5034	EPIC	5388
5038	PARDEL	4364
900	Mean	4956
901	CV	8.5
902	LSD	957
907	Pr>F(Trts)	0.0883

ONTARIO
 New Liskeard
 Perennial Ryegrass
 Expt. 7005
 Seeded 2007

Code	Cultivar	2008 (kg/ha)		
		Cut 1	Cut 2	Tot08
8526	Fornido	5619	4752	10372
8527	GO-ABZ	4324	4931	9255
8528	GO-ABM	4403	5069	9472
8529	GO-GG5	4618	5183	9801
900	Mean	4741	4984	9725
901	CV	14.7	15.6	4.2
905	MCV	19.1	20.2	5.5
902	LSD	906.3	1006.6	534.5
906	LSR	70.0	233.7	47.9
907	Pr>F(Trts)	0.0916	0.8734	0.0197
908	R_square	81.8	30.3	87.0

RCBD arrangement, 4 blocks {1234}

Perennial Rye Grass seeded 2007 Douglas ON

		Cut 1	Cut 2	Cut 3	Total
	Variety	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)	Yield (kg/ha)
8526	Fornido	10481.0	1138.0	1354.7	12973.7
8527	GO-ABM	5870.0	1745.1	795.0	8410.4
8528	GO-ABZ	7243.0	1065.5	1404.5	9712.8
8529	GO-GG5	9050.0	1363.7	530.3	10944.3
	Mean	8161.9	1328.1	1021.1	10510.3
	CV	15.2	16.2	15.9	11.2
	P>F	0.020	0.031	0.001	0.015
	LSD	2476.2	431.1	324.7	2344.5