



New Liskeard Agricultural Research Station Forage Trials 2013

Summary of Results

Alfalfa

Bromegrass

Orchard Grass

Timothy

Meadow Fescue

Tall Fescue

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Alfalfa Performance 2Cut (2010) 2013
 New Liskeard Agricultural Research Station
 (1001-2899)

ONTARIO
 New Liskeard
 2899 Alfalfa Perf 2-cut
 Expt. 1001
 Seeded 2010

Code	Cultivar	2013 (kg/ha)					3yrTot
		Cut 1	Cut 2	Tot13	Tot12	Tot11	
910		7301	4927	12296	11302	11730	35603
1325	MAGNUM_IV	6906	4596	11574	11696	12121	35394
1409	AFFINITY+Z	6750	4622	11433	11805	12171	35415
1432	OAC_SUPERIOR	6961	4744	11733	12239	11662	35342
1498	134	6962	4696	11605	11605	12170	35228
1521	MAGNUM_3801	6997	4889	11804	11886	12345	36198
1525	FORECAST_100	7112	4892	12080	11391	11898	35506
1537	VALIANT	6949	4890	11866	11757	12081	35939
1577	STARBUCK	7056	4813	11929	11943	12062	35495
1599	WL319HQ	7775	4472	12322	11218	11921	35260
1600	4_2	6741	4555	11293	11296	11652	34388
1603	WL357HQ	6608	4476	11118	11196	11899	34572
1610	SA034	7185	4850	12097	11849	12010	36207
1616	53Q30	6928	4515	11353	10989	11327	33558
1617	WL_348_AP	7053	4684	11746	11795	11386	34814
1618	WL_345_LH	7213	4408	11592	11607	11931	34865
1619	EVERMORE	6773	5020	11669	11596	11584	34838
1620	MARVEL	7281	4559	11837	11154	11703	34493
1625	QS04027	6675	4760	11519	10963	11706	33972
1636	CW75046	6887	4870	11664	10957	11582	33866
1637	53H92	6500	4295	10756	10972	12216	34161
1646	WL343HQ	6582	4707	11255	11325	11776	34145
1649	STELLAR FG	7040	5226	12241	11949	11950	36250
1652	55V48	6934	4806	11839	11828	12263	36271
1659	4A421	7387	4829	12208	11655	11978	35955
1664	SUPER NOVA	7060	4170	11195	11836	11530	34423
1667	54Q32	7122	4903	12020	11843	11391	35132
1675	CW 02013	6864	4592	11376	11658	11672	34563
1678	SURVIVOR	7131	4590	11690	11545	11963	35620
1715	55V12	7309	5020	12309	10969	11827	35276
900	Mean	7001	4713	11714	11527	11850	35092
901	CV	8.0	5.8	5.8	4.0	4.8	2.9
905	MCV	9.4	6.8	6.8	4.7	5.7	3.4
902	LSD	658.4	320.3	797.9	538.5	671.2	1201.1
906	LSR	51.6	30.3	51.0	42.0	65.9	44.3
907	Pr>F(Trts)	0.6523	0.0001	0.2006	0.0008	0.7323	0.0024
908	R_square	60.1	67.1	60.3	83.3	74.9	85.9

RCBD arrangement, 4 blocks {1234}

Alfalfa Performance 3Cut (2010) 2013
 New Liskeard Agricultural Research Station
 (1002-2900)

□ONTARIO
 New Liskeard
 2900 Alfalfa Perf 3-cut
 Expt. 1002
 Seeded 2010

Code	Cultivar	2013 (kg/ha)					3yrTot
		Cut 1	Cut 2	Tot13	Tot12	Tot11	
910		3577	2447	6017	16266	14056	36398
1325	MAGNUM_IV	3490	2542	6036	17044	14192	37138
1409	AFFINITY+Z	3498	2490	5991	16924	14292	37120
1432	OAC_SUPERIOR	3077	2550	5621	16592	13975	35834
1498	134	3716	2467	6178	16290	13702	36040
1521	MAGNUM_3801	3263	2491	5756	16689	14076	36484
1525	FORECAST_100	3354	2799	6161	16876	14150	37216
1537	VALIANT	3355	2485	5842	16068	13522	35534
1577	STARBUCK	3135	2208	5337	16603	14288	36127
1599	WL319HQ	3697	2669	6367	16497	13171	36117
1600	4_2	3371	2615	5978	16817	13970	36606
1603	WL357HQ	4022	2861	6876	16169	13957	37011
1610	SA034	3645	2724	6364	16391	13418	36300
1616	53Q30	3930	2601	6520	15587	13707	35689
1617	WL_348_AP	3230	2641	5868	16320	14266	36491
1618	WL_345_LH	3066	1878	4950	15169	13410	33689
1619	EVERMORE	3079	2324	5409	15653	13879	35070
1620	MARVEL	3177	2455	5640	16069	13721	35489
1625	QS04027	4065	2921	6987	16473	14199	37645
1636	CW75046	2838	2202	5045	15129	13175	33446
1637	53H92	2862	2304	5173	15496	13581	34334
1646	WL343HQ	3635	2481	6122	16154	12929	35167
1649	STELLAR FG	3625	2634	6263	16387	13714	36418
1652	55V48	3433	2423	5857	16361	14025	36133
1659	4A421	4248	2866	7119	17205	14045	38331
1664	SUPER NOVA	3151	2069	5210	16114	13994	35382
1667	54Q32	3376	2410	5786	15809	13321	35069
1675	CW 02013	3577	2579	6157	16190	13983	36479
1678	SURVIVOR	3319	2440	5758	16021	13961	35754
1715	55V12	3594	2763	6359	15108	13168	34551
900	Mean	3447	2511	5958	16216	13795	35969
901	CV	12.7	11.1	11.2	4.1	4.1	3.5
905	MCV	15.0	13.1	13.3	4.8	4.8	4.1
902	LSD	518.5	327.9	790.9	784.6	662.6	1490.9
906	LSR	36.8	31.5	36.5	37.4	48.6	30.5
907	Pr>F(Trts)	0.0011	0.0001	0.0004	0.0003	0.0209	0.0001
908	R_square	84.9	76.9	83.5	70.9	65.2	82.4

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

Alfalfa Registration B (2010) 2013
 New Liskeard Agricultural Research Station
 (1003)

□ ONTARIO
 New Liskeard
 Alfalfa Reg B
 Expt. 1003
 Seeded 2010

Code	Cultivar	2013 (kg/ha)					3yrTot
		Cut 1	Cut 2	Tot13	Tot12	Tot11	
1432	OAC_SUPERIOR	6250	5453	11884	12016	11894	35549
1525	FORECAST_100	6498	5086	11573	11215	11520	34453
1577	STARBUCK	5767	5213	10876	11014	11393	33341
1667	54Q32	6562	5255	11748	10999	11544	34225
1683	DS812-T	6549	5356	11895	11759	12344	36127
1684	DS711-BR	6767	5104	11915	11657	12274	35826
1685	CFL1004	6244	4811	10999	10844	11612	33324
1686	CFL1005	5831	4636	10477	10206	10609	31231
1687	CFL1006	6299	5548	11888	11749	12316	35902
1688	CFL1001	6248	5684	11811	11269	11914	35242
1689	CFL1002	6897	5553	12479	11750	12410	36886
1690	CFL1003	6668	5317	12053	12191	12552	36504
1691	CFL1008	6726	5275	11945	11170	11450	34978
1692	CFL1009	5740	5191	10927	11024	11165	32997
1693	CFL1007	6762	5311	12028	10671	11352	34102
1694	MSSUNTRA-A21	6503	5122	11553	11945	11990	35548
1695	PROLIFIC II	6315	4991	11289	11627	11878	34463
1696	4A415	6236	5496	11663	11433	12040	35402
1697	CW 064004	6052	5548	11585	11290	11346	34101
1698	CW 23017	6482	5204	11726	10568	10932	33010
1699	CW 054004	6194	5222	11466	10607	11520	33629
1703	AC DALTON	6133	4611	10841	10447	11215	32474
1704	LANCER	5995	4769	10766	11058	11604	33249
1705	FSG 420LH	6550	4815	11359	10583	11414	33571
1706	FSG 329	6471	5342	11892	11168	11696	34780
1707	CW053014	6783	4985	11717	10967	11727	34382
1708	CW 01073012	6259	5269	11509	10601	11449	33702
1709	IML04	6144	4691	10827	11354	11529	33695
1710	SF2202	7072	5145	12218	11110	11787	35157
1711	SF2101	6348	4780	11218	11006	11533	33585
900	Mean	6378	5159	11538	11177	11667	34381
901	CV	8.7	6.4	6.3	4.3	3.5	3.3
905	MCV	10.3	7.5	7.4	5.1	4.2	3.9
902	LSD	655.3	389.0	852.5	574.1	487.0	1332.9
906	LSR	49.2	36.3	42.6	28.9	25.1	23.6
907	Pr>F(Trts)	0.1308	0.0000	0.0201	0.0000	0.0000	0.0000
908	R_square	62.5	67.8	67.4	87.3	89.6	88.9

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

Alfalfa Registration C (2011) 2013
 New Liskeard Agricultural Research Station
 (1101)

ONTARIO
 New Liskeard
 Alfalfa Registration C
 Expt. 1101
 Seeded 2011

Code	Cultivar	2013 (kg/ha)				
		Cut 1	Cut 2	Tot13	Tot12	2yrTot
1432	OAC_SUPERIOR	6402	4861	11287	9844	21102
1577	STARBUCK	6060	4986	11019	9690	20663
1720	55V50	6251	5100	11338	10992	22447
1721	55H94	5386	4757	10063	9371	19594
1723	PS11A01	5527	4899	10432	9267	19770
1724	PS11A02	5977	5306	11298	9442	20731
1725	REBOUND 5 0	5649	5030	10794	8964	19692
1726	DSA01-T	4948	5559	10563	11104	21732
1727	DSA05-BR	6003	5394	11407	11190	22404
1728	CW055005	5117	5194	10220	8898	19115
1729	CW044019	5151	5038	10141	9610	19690
1735	QS-NR	5599	5005	10610	9321	20008
1736	DSB-18-T	6596	5293	11895	11367	23304
1737	LS603	6007	5111	11137	8998	20011
900	Mean	5762	5109	10872	9861	20733
901	CV	10.6	9.0	7.7	6.9	5.8
905	MCV	12.7	10.8	9.2	8.2	7.0
902	LSD	732.6	549.8	1004.8	812.1	1448.0
906	LSR	44.5	68.6	54.8	32.9	34.6
907	Pr>F(Trts)	0.0185	0.5910	0.1444	0.0000	0.0003
908	R_square	66.5	41.8	57.1	72.7	66.6

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

New Liskeard Alfalfa (2007) 2013
New Liskeard Agricultural Research Station
(7007)

ONTARIO
 New Liskeard
 Alfalfa
 Expt. 7007
 Seeded 2007

Code	Cultivar	2013 (kg/ha)							
		Cut 1	Cut 2	Tot13	Tot12	Tot11	Tot10	Tot09	5yrTot
1432	OAC_SUPERIOR	5558	5048	10564	8369	10400	8176	9405	46599
1638	54V09	5263	5402	10831	7570	9713	8030	10079	45749
1652	55V48	5281	5228	10327	7169	9822	7358	9286	43556
1653	DS450	5644	4469	10112	8011	9681	7917	10409	45895
1654	DS723	5550	5025	10751	7681	9725	7898	9670	45979
1655	L447HD	5208	4572	10038	7305	9404	7627	9409	43636
1656	13017	5507	5661	10951	8219	9825	7795	9693	46934
1657	15029	5049	5591	10688	8044	9942	7762	9966	47155
1660	QS0131	4943	4352	9321	8058	9415	7753	10111	45439
1661	SF2004	5559	4960	10458	7767	10177	8472	10394	46173
9041	ONEIDA_VR	5094	4862	9783	7877	9792	7857	10010	45752
900	Mean	5332	5016	10348	7825	9809	7877	9857	45715
901	CV	9.6	5.7	7.4	7.3	3.9	6.8	6.9	4.5
905	MCV	13.7	8.1	10.4	10.3	5.5	9.7	9.8	6.4
902	LSD	728.0	404.7	1078.7	804.2	544.0	762.2	962.0	2937.6
906	LSR	103.8	30.9	66.2	67.0	54.6	68.4	85.7	81.6
907	Pr>F(Trts)	0.7512	0.0003	0.3297	0.3133	0.1868	0.6670	0.6047	0.5315
908	R_square	35.0	80.1	44.1	70.3	88.3	61.4	55.8	69.6

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

*Rep 4 was dropped.

New Liskeard Alfalfa (2008) 2013
 New Liskeard Agricultural Research Station
 (8001)

□ONTARIO
 New Liskeard
 Alfalfa
 Expt. 8001
 Seeded 2008

Code	Cultivar	2013 (kg/ha)							
		Cut 1	Cut 2	Tot13	Tot12	Tot11	Tot10	Tot09	5yrTot
1432	OAC_SUPERIOR	6176	4228	10367	8749	11779	9170	10431	50256
1577	STARBUCK	5492	4069	9577	8451	10658	8352	9933	47246
1652	55V48	6037	4330	10362	9415	11850	9011	10426	51906
1665	WL363HQ	6279	4188	10561	9289	11090	8094	10007	48772
1666	L333HD	6386	4136	10456	9519	11378	8798	9943	49484
900	Mean	6074	4190	10265	9084	11351	8685	10148	49533
901	CV	5.4	4.5	4.3	6.8	6.4	6.0	6.6	2.7
905	MCV	7.0	5.7	5.5	8.7	8.2	7.7	8.5	3.5
902	LSD	423.5	239.7	562.9	789.3	935.6	665.7	857.7	1743.3
906	LSR	47.4	92.0	57.2	73.9	78.5	61.8	172.0	37.4
907	Pr>F (Trts)	0.0350	0.4153	0.0766	0.1774	0.2338	0.0801	0.6815	0.0147
908	R_square	86.1	86.4	88.9	73.6	71.1	76.5	49.0	88.1

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

Alfalfa Performance 2Cut (2009) 2013
 New Liskeard Agricultural Research Station
 (9001-2879)

□ ONTARIO
 New Liskeard
 (2879) Alfalfa Perf 2cut
 Expt. 9001
 Seeded 2009

Code	Cultivar	2013 (kg/ha)						
		Cut 1	Cut 2	Tot13	Tot12	Tot11	Tot10	4yrTot
1325	MAGNUM_IV	5883	5346	11249	10467	14076	9380	45045
1409	AFFINITY+Z	6115	5388	11596	10460	13729	9531	45155
1432	OAC_SUPERIOR	6018	5707	11738	11120	14723	9541	47295
1481	APPROVED	5393	5451	10812	10489	14060	8855	44542
1482	WINTERGOLD	5875	5920	11780	11006	14060	9596	46229
1498	134	6281	6046	12281	11085	13942	9555	46648
1521	MAGNUM_3801	5847	5529	11366	10723	14137	8995	45149
1525	FORECAST_100	5766	5623	11354	11085	14103	9241	45807
1537	VALIANT	6251	5712	11957	10824	13963	9634	46384
1598	54H11	6369	5817	12218	10726	13933	8822	45710
1599	WL319HQ	6254	5817	12083	11088	13714	9182	46075
1600	4_2	5800	5652	11399	10710	13391	9320	44907
1603	WL357HQ	6202	6057	12182	11174	14256	9424	47281
1614	94023	6259	6030	12277	11288	14127	8916	46599
1617	WL_348_AP	6146	5911	12212	10669	14119	9675	46554
1618	WL_345_LH	5876	5218	11092	9664	13305	9049	42894
1619	EVERMORE	6116	5450	11512	10857	14343	9551	46308
1624	QS05009	5275	6141	11384	10218	13167	8527	43339
1630	FSG400LH	5943	5161	11097	10585	13561	9402	44846
1636	CW75046	5695	5854	11628	10310	13886	9050	44770
1637	53H92	5858	5256	11037	9756	13460	9137	43419
1646	WL343HQ	6381	6196	12527	11581	13791	9010	46972
1649	Stellar FG	6090	6394	12549	11287	14190	9207	47215
1652	55V48	5997	6255	12207	10855	14117	8918	46075
1659	4A421	6321	6363	12673	11264	14315	8746	47259
1664	SUPER NOVA	5866	5039	11018	10075	13612	9280	44050
1667	54Q32	6276	6286	12593	11022	14272	8848	46751
1675	CW 02013	6187	6244	12416	11476	14357	9442	47633
1676	QS44031	5929	6515	12372	11619	14223	8928	47217
1677	QS4010	6232	5636	11818	11151	13305	8904	45247
1678	SURVIVOR	6057	5830	11943	10926	14218	9962	46866
1680	RESPONSE WT	5588	6002	11618	11186	14109	9429	46120
900	Mean	6005	5808	11812	10836	13955	9220	45824
901	CV	6.3	5.8	4.9	4.8	3.6	5.3	2.9
905	MCV	7.4	6.8	5.8	5.6	4.2	6.3	3.4
902	LSD	444.2	396.4	679.9	610.3	586.3	580.1	1565.4
906	LSR	40.2	26.8	36.5	31.2	37.7	40.4	33.0
907	Pr>F(Trts)	0.0082	0.0000	0.0000	0.0000	0.0031	0.0204	0.0000
908	R_square	52.1	78.0	70.5	72.5	62.6	73.9	78.4

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

Alfalfa Registration (2009) 2013
 New Liskeard Agricultural Research Station
 (9002)

ONTARIO
 New Liskeard
 Alfalfa Registration
 Expt. 9002
 Seeded 2009

Code	Cultivar	2013 (kg/ha)						
		Cut 1	Cut 2	Tot13	Tot12	Tot11	Tot10	4yrTot
1432	OAC_SUPERIOR	5757	4582	10269	9859	12301	9226	41614
1577	STARBUCK	5661	4294	9945	10146	11959	9502	41383
1648	CFL0913	5763	4659	10386	10133	11915	9665	42211
1667	54Q32	5830	4741	10559	9799	12041	8948	40874
1668	4S417	6524	4328	10920	11223	12761	9805	44567
1669	WL353LH	5315	3937	9246	9808	11778	8887	39791
1670	MAGNUM VI WET	5935	4577	10530	10794	12885	9812	43924
1671	CW045025	5890	4891	10839	9863	11994	8369	41410
1672	DS721	5741	4208	10013	10385	12539	9730	42883
1673	CW24207	5765	4742	10385	9982	12104	9096	41615
1674	LEGENDAIRY 50	5990	4365	10370	10055	11633	9391	41636
1675	CW02013	5678	4496	10205	9715	12177	9384	41424
900	Mean	5821	4485	10306	10147	12174	9318	41944
901	CV	7.0	6.8	5.7	5.1	4.7	5.0	3.3
905	MCV	8.4	8.2	6.9	6.2	5.7	6.0	3.9
902	LSD	488.8	368.4	710.5	625.1	693.4	555.2	1651.8
906	LSR	40.4	38.6	42.5	41.5	55.4	38.5	34.6
907	Pr>F(Trts)	0.1034	0.0088	0.0559	0.0093	0.1399	0.0050	0.0068
908	R_square	66.4	62.9	65.2	70.9	53.4	71.7	72.4

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

New Liskeard Bromegrass Reg A (2011) 2013
 New Liskeard Agricultural Research Station
 (1103)

ONTARIO
 New Liskeard
 Bromegrass Reg A
 Expt. 1103
 Seeded 2011

Code	Cultivar	2013 (kg/ha)				
		Cut 1	Cut 2	Tot13	Tot12	2yrTot
2039	BRAVO	5793	2447	8240	10403	18643
2051	RADISSON	5914	2222	8137	10546	18683
2054	PADDOCK	2919	1516	4435	11412	15847
2057	FLEET	6117	3126	9243	10778	20020
2060	PEAK	6125	3023	9149	10544	19693
2068	ARMADA	5819	3595	9414	11218	20631
2069	ADMIRAL	5257	3778	9035	10568	19603
900	Mean	5421	2815	8236	10781	19017
901	CV	11.4	11.4	8.5	9.1	7.5
905	MCV	13.9	14.0	10.4	11.1	9.2
902	LSD	754.6	393.0	854.8	1199.4	1755.7
906	LSR	23.5	17.4	17.2	118.8	36.7
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.7140	0.0045
908	R_square	82.6	94.3	90.4	27.5	63.8

RCBD arrangement, 4 blocks {1234}

*note PADDOCK had no plants. Data calculated from Estimated values

New Liskeard Orchard Grass Reg A (2011) 2013
 New Liskeard Agricultural Research Station
 (1104)

ONTARIO
 New Liskeard
 Orchard Grass Reg A
 Expt. 1104
 Seeded 2011

Code	Cultivar	2012 (kg/ha)		
		Cut 1	Cut 2	Tot12
3079	OKAY	4482	3657	8139
3086	HAYMATE	4412	3811	8223
3096	OG9401	3537	3616	7154
3118	AC KILLARNEY	4657	3076	7734
3119	AC KOOTENAY	4109	2782	6891
900	Mean	4239	3389	7628
901	CV	8.1	6.3	5.3
905	MCV	10.3	8.0	6.7
902	LSD	435.1	271.1	513.0
906	LSR	38.9	26.4	38.5
907	Pr>F (Trts)	0.0053	0.0001	0.0019
908	R_square	79.3	88.6	82.7

RCBD arrangement, 4 blocks {1234}

New Liskeard Orchard Grass (2007) 2012
New Liskeard Agricultural Research Station
(7004)

ONTARIO
 New Liskeard
 Orchard Grass
 Expt. 7004
 Seeded 2007

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	Tot09	Tot08	4yrTot
		Cut 1	Cut 2					
3003	KAY	2396	1210	3606	6171	7656	11852	29285
3079	OKAY	2328	1325	3653	5520	7831	12892	29895
3086	HAYMATE	1524	1115	2639	5886	7400	12799	28723
3112	Q12	770*	1084	1854	5577	7247	12742	27420
900	Mean	1754	1183	2938	5789	7533	12571	28831
901	CV	20.9	16.6	17.6	6.1	8.0	7.7	4.5
905	MCV	27.1	21.5	22.9	7.9	10.4	10.0	5.8
902	LSD	475.7	254.4	671.3	459.8	784.7	1259.6	1684.2
906	LSR	29.3	105.7	37.3	70.6	134.4	121.2	68.0
907	Pr>F(Trts)	0.0005	0.3576	0.0025	0.0944	0.5571	0.4420	0.1129
908	R_square	90.7	60.0	87.0	67.2	24.0	66.0	70.4

RCBD arrangement, 4 blocks {1234}

* was derived from 2 estimated values

Performed Nearest Neighbour Data Analysis

ONTARIO
 New Liskeard
 Orchard Grass
 Expt. 7004
 Seeded 2007

Code	Cultivar	2011 (kg/ha)		Tot11	Tot10	Tot09	Tot08	4yrTot
		Cut 1	Cut 2					
3003	KAY	2384	1161	3573	6081	7676	12011	29288
3079	OKAY	2322	1299	3633	5720	7816	12958	29909
3086	HAYMATE	1594	1195	2764	5788	7375	12580	28682
3112	Q12	717	1078	1781	5565	7266	12735	27444
900	Mean	1754	1183	2938	5789	7533	12571	28831
901	CV	21.8	17.9	17.6	5.1	9.0	5.8	5.1
905	MCV	29.2	24.0	23.5	6.9	12.1	7.8	6.8
902	LSD	513.0	283.9	691.1	399.2	908.4	974.7	1973.0
906	LSR	30.8	128.9	37.3	77.4	165.2	102.8	80.0
907	Pr>F(Trts)	0.0020	0.6649	0.0052	0.2423	0.7731	0.3753	0.2079
908	R_square	92.2	63.7	90.0	82.0	25.9	85.2	70.5

RCBD arrangement, 4 blocks {1234}

Nearest-neighbour covariance adjusted.

□

New Liskeard Orchard Grass (2008) 2010
 New Liskeard Agricultural Research Station
 (8003)

ONTARIO
 New Liskeard
 Orchard Grass
 Expt. 8003
 Seeded 2008

Code	Cultivar	2010 (kg/ha)				
		Cut 1	Cut 2	Tot10	Tot09	2yrTot
3079	OKAY	4956	1852	6808	10136	16945
3086	HAYMATE	4646	1845	6490	8522	15013
3114	OG06	4612	2002	6614	9637	16251
3115	OGR-08-02	4505	1040	5545	9808	15353
3117	Haymaster	4509	2041	6550	8682	15233
900	Mean	4646	1756	6402	9357	15759
901	CV	8.1	8.7	6.5	6.1	5.1
905	MCV	10.2	11.0	8.2	7.7	6.4
902	LSD	472.6	192.9	525.0	722.0	1008.2
906	LSR	104.8	19.3	41.6	44.7	52.2
907	Pr>F (Trts)	0.4619	0.0000	0.0090	0.0062	0.0248
908	R_square	41.1	93.4	72.9	73.2	69.6

RCBD arrangement, 4 blocks {1234}

New Late Timothy Reg A (2011) 2013
 New Liskeard Agricultural Research Station
 (1105)

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

Code	Cultivar	2013 (kg/ha)				
		Cut 1	Cut 2	Tot13	Tot12	2yrTot
6002	CLIMAX	5755	3014	8769	6881	15650
6026	ITASCA	6278	3205	9482	7617	17100
6066	NORMAX	6661	3607	10268	8105	18373
6081	MARIPOSA	6799	3203	10002	7516	17518
6086	ALEXANDER	6049	3267	9316	6994	16310
6136	EXPRESS	5811	3747	9558	7874	17432
6138	AURORA	6488	2597	9085	7193	16278
6161	NS04-T01	6790	3691	10481	7866	18347
6176	AC PRATT	6469	2769	9238	6990	16228
900	Mean	6344	3233	9578	7448	17026
901	CV	7.6	11.3	6.2	5.1	4.7
905	MCV	9.2	13.7	7.5	6.1	5.7
902	LSD	581.4	443.9	714.5	456.9	971.8
906	LSR	55.7	38.6	41.7	37.3	35.7
907	Pr>F(Trts)	0.0267	0.0014	0.0063	0.0004	0.0004
908	R_square	52.2	93.3	86.4	69.4	83.9

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

New Liskeard Late Timothy Reg A (2012) 2013
 New Liskeard Agricultural Research Station
 (1204)

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

Code	Cultivar	2013 (kg/ha)		
		Cut 1	Cut 2	Tot13
6002	CLIMAX	8381	4462	12843
6026	ITASCA	8909	5127	14036
6066	NORMAX	7895	5686	13582
6086	ALEXANDER	7927	5001	12928
6136	EXPRESS	8238	5263	13501
6138	AURORA	9246	4189	13435
6161	NS04-T01	8573	5879	14452
6177	SUMMERGRAZE	8005	4900	12905
900	Mean	8397	5064	13460
901	CV	9.3	9.1	6.8
905	MCV	11.3	11.1	8.2
902	LSD	947.8	561.1	1106.9
906	LSR	70.2	33.2	68.8
907	Pr>F(Trts)	0.1990	0.0006	0.1921
908	R_square	44.6	95.0	76.2

RCBD arrangement, 4 blocks {1234}

New Liskeard Late Timothy (2007) 2013
New Liskeard Agricultural Research Station
(7001)

ONTARIO
 New Liskeard
 Late Timothy
 Expt. 7001
 Seeded 2007

Code	Cultivar	2013 (kg/ha)							5yrTot
		Cut 1	Cut 2	Tot13	Tot12	Tot11	Tot10	Tot09	
6002	CLIMAX	5299	1542	6841	5465	6558	5831	9093	33788
6026	ITASCA	5803	2090	7893	5704	7758	5558	8164	35077
6166	BARFLEO	4595	1537	6132	3890	6610	5770	9110	31512
6167	BOR 2005	5786	1785	7571	5605	7385	5664	8126	34351
6168	BARPENTA	5005	1728	6733	4060	6057	5988	8291	31128
6169	KARA	5405	2111	7516	5449	7845	5721	7916	34445
900	Mean	5315	1799	7114	5029	7036	5755	8450	33384
901	CV	8.4	17.6	8.8	9.6	8.8	9.9	5.0	4.2
905	MCV	10.4	21.8	11.0	11.8	10.9	12.2	6.2	5.2
902	LSD	552.0	393.0	779.5	595.3	765.0	704.8	527.7	1745.5
906	LSR	45.7	68.5	44.3	32.8	42.8	164.0	44.2	44.2
907	Pr>F(Trts)	0.0119	0.0719	0.0119	0.0001	0.0043	0.9225	0.0033	0.0045
908	R_square	83.5	57.0	80.4	84.5	70.3	20.3	69.4	78.5

RCBD arrangement, 4 blocks {1234}

Late Timothy (2009) 2013
 New Liskeard Agricultural Research Station
 (9003)

ONTARIO
 New Liskeard
 Late Timothy
 Expt. 9003
 Seeded 2009

Code	Cultivar	2013 (kg/ha)						
		Cut 1	Cut 2	Tot13	Tot12	Tot11	Tot10	4yrTot
6002	CLIMAX	5310	537	5847	5896	9816	9426	30985
6026	ITASCA	5245	1169	6414	6870	11357	9931	34572
6066	NORMAX	5852	1479	7331	7346	11647	10512	36836
6086	ALEXANDER	5484	1274	6758	6935	11054	9945	34692
6136	EXPRESS	5856	1611	7467	7698	10725	10215	36106
6138	AURORA	5605	1407	7013	6775	10686	10323	34798
6161	NS04-T01	6000	1783	7783	7756	11228	10527	37294
6172	Arlaka	5292	1035	6327	6742	10211	9698	32977
900	Mean	5581	1287	6867	7002	10840	10072	34782
901	CV	6.0	18.1	6.1	6.3	6.3	7.3	3.4
905	MCV	7.2	22.0	7.5	7.7	7.7	8.9	4.2
902	LSD	404.1	283.3	512.4	539.1	833.1	899.3	1453.2
906	LSR	53.5	22.7	26.5	29.0	45.5	81.7	23.0
907	Pr>F(Trts)	0.0199	0.0000	0.0000	0.0002	0.0190	0.3834	0.0000
908	R_square	73.6	79.7	79.6	74.9	56.1	37.2	80.9

RCBD arrangement, 4 blocks {1234}

New Liskeard Timothy (2008) 2012
 New Liskeard Agricultural Research Station
 (8006)

ONTARIO
 New Liskeard
 Timothy
 Expt. 8006
 Seeded 2008

Code	Cultivar	2011 (kg/ha)					
		Cut 1	Cut 2	Tot11	Tot10	Tot09	3yrTot
6002	CLIMAX	4142	1827	5970	5087	9857	20913
6026	ITASCA	4221	2474	6695	5313	10844	22852
6066	NORMAX	4286	2251	6538	5148	11373	23059
6081	MARIPOSA	4744	2136	6879	5413	10641	22933
6086	ALEXANDER	3949	2267	6216	4981	10250	21447
6095	ARGUS	4090	2206	6297	5439	11176	22912
6136	EXPRESS	4023	1830	5853	4838	10211	20903
6138	AURORA	3646	2098	5744	4937	10207	20889
6161	NS04-T01	4729	2255	6984	5323	10666	22974
6170	CREST	3888	2112	6000	4762	10697	21459
900	Mean	4172	2146	6318	5124	10592	22034
901	CV	9.2	18.7	10.1	5.9	6.3	5.7
905	MCV	11.0	22.5	12.1	7.1	7.6	6.9
902	LSD	461.0	483.2	764.9	361.6	803.8	1522.5
906	LSR	42.0	74.7	61.7	53.4	53.0	70.2
907	Pr>F(Trts)	0.0077	0.4811	0.0945	0.0261	0.0822	0.0366
908	R_square	71.4	75.5	77.2	70.4	64.1	76.2

RCBD arrangement, 4 blocks {1234}

New Liskeard Meadow Fescue (2007) 2010
 New Liskeard Agricultural Research Station
(7002)

ONTARIO
 New Liskeard
 Meadow Fescue
 Expt. 7002
 Seeded 2007

Code	Cultivar	2010 (kg/ha)				
		Cut 1	Tot10	Tot09	Tot08	3yrTot
5033	MIMER	3414	3414	6423	11087	20925
5034	EPIC	3153	3153	6619	10336	20109
5038		3439	3439	7029	10589	21058
900	Mean	3336	3336	6690	10671	20697
901	CV	7.0	7.0	2.2	10.9	5.2
905	MCV	9.6	9.6	3.0	14.9	7.1
902	LSD	321.8	321.8	201.8	1592.2	1474.7
906	LSR	112.6	112.6	33.3	212.1	155.4
907	Pr>F (Trts)	0.2400	0.2400	0.0036	0.6696	0.4515
908	R_square	44.7	44.7	96.0	44.5	63.7

RCBD arrangement, 4 blocks {1234}

New Liskeard Tall Fescue Reg A (2012) 2013
 New Liskeard Agricultural Research Station
 (1203)

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

Code	Cultivar	2013 (kg/ha)		
		Cut 1	Cut 2	Tot13
5028	CARNIVAL	8485	4768	13253
5044	BAR FAFL 118701	8917	3362	12279
5045	BAR FAFL 118702	8672	3586	12258
5046	TOWER	8041	4221	12262
5047	HYMARK	9540	3789	13330
5523	COURTENAY	8060	4962	13022
900	Mean	8619	4115	12734
901	CV	7.4	8.4	6.5
905	MCV	9.2	10.4	8.1
902	LSD	790.6	426.6	1028.0
906	LSR	52.7	26.7	96.0
907	Pr>F(Trts)	0.0382	0.0000	0.2237
908	R_square	56.9	93.1	72.8

RCBD arrangement, 4 blocks {1234}

New Liskeard Tall Fescue (2007) 2013
New Liskeard Agricultural Research Station
(7003)

ONTARIO
 New Liskeard
 Tall Fescue
 Expt. 7003
 Seeded 2007

Code	Cultivar	2013 (kg/ha)							
		Cut 1	Cut 2	Tot13	Tot12	Tot11	Tot10	Tot09	5yrTot
5028	CARNIVAL	3767	3237	7004	6578	5506	7788	9333	36209
5037	BARELITE	3039	2531	5570	4718	4154	5941	7630	28013
5523	COURTENAY	3901	3047	6948	5878	6581	7517	9151	36075
5526	KOKANEE	3689	3431	7119	6409	6348	7473	8921	36271
900	Mean	3599	3061	6660	5896	5647	7180	8759	34142
901	CV	10.3	10.7	5.4	8.4	8.2	2.7	6.1	3.4
905	MCV	13.3	13.8	6.9	10.9	10.6	3.5	7.9	4.4
902	LSD	480.1	422.6	461.9	641.9	600.5	249.7	691.8	1516.5
906	LSR	55.7	47.0	29.8	34.5	24.7	13.5	40.6	18.4
907	Pr>F(Trts)	0.0387	0.0191	0.0006	0.0022	0.0002	0.0000	0.0060	0.0000
908	R_square	80.6	66.1	90.3	80.1	90.5	96.4	75.5	94.6

RCBD arrangement, 4 blocks {1234}

New Liskeard Tall Fescue (2008) 2012
 New Liskeard Agricultural Research Station
 (8002)

□ONTARIO
 New Liskeard
 Tall Fescue
 Expt. 8002
 Seeded 2008

Code	Cultivar	2012 (kg/ha)						
		Cut 1	Cut 2	Tot12	Tot11	Tot10	Tot09	4yrTot
5039	PST-5LAN	3723	2470	6193	5167	6580	10856	28795
5040	Barianne	3347	2422	5769	5499	7124	11814	30205
5041	Kora	4077	3213	7289	6942	8494	12816	35541
5042	FTF-08-01	3678	3322	7000	7173	8233	10748	33154
5523	COURTENAY	4049	3256	7305	7617	8708	11148	34778
5526	KOKANEE	4107	3273	7380	7287	8289	10631	33587
900	Mean	3830	2993	6823	6614	7905	11335	32677
901	CV	8.3	10.1	6.0	5.6	4.5	10.9	4.4
905	MCV	10.3	12.5	7.5	7.0	5.6	13.5	5.4
902	LSD	394.5	375.5	509.8	462.9	443.8	1527.2	1777.3
906	LSR	51.9	41.7	31.6	18.9	20.9	69.9	26.3
907	Pr>F(Trts)	0.0249	0.0009	0.0002	0.0000	0.0000	0.1611	0.0001
908	R_square	57.1	74.8	80.1	93.0	88.7	47.8	83.5

RCBD arrangement, 4 blocks {1234}