



New Liskeard Agricultural Research Station Crop Trials 2014

Summary of Results

Alfalfa

Bromegrass

Timothy

Tall Fescue

Alfalfa Registration B (2010) 2014
 New Liskeard Agricultural Research Station
 (1003)

ONTARIO
 New Liskeard
 Alfalfa Reg B
 Expt. 1003
 Seeded 2010

Code	Cultivar	2014 (kg/ha)						
		Cut 1	Cut 2	Tot14	Tot13	Tot12	Tot11	4yrTot
1432	OAC_SUPERIOR	6335	2585	8918	11884	12016	11894	44534
1525	FORECAST_100	6181	2424	8618	11573	11215	11520	43161
1577	STARBUCK	6156	2439	8608	10876	11014	11393	42085
1667	54Q32	6379	2519	8885	11748	10999	11544	43078
1683	DS812-4	6626	2652	9284	11895	11759	12344	45334
1684	DS711-BR	6796	2477	9263	11915	11657	12274	45194
1685	CFL1004	6096	2390	8464	10999	10844	11612	41875
1686	CFL1005	6178	2429	8563	10477	10206	10609	39815
1687	CFL1006	6600	2668	9301	11888	11749	12316	45177
1688	CFL1001	6896	2430	9317	11811	11269	11914	44627
1689	CFL1002	6616	2646	9269	12479	11750	12410	46054
1690	CFL1003	6882	2590	9488	12053	12191	12552	45835
1691	CFL1008	6385	2651	9045	11945	11170	11450	44107
1692	CFL1009	6208	2590	8795	10927	11024	11165	41854
1693	CFL1007	6362	2508	8837	12028	10671	11352	43054
1694	MSSUNTRA-A21	6342	2455	8801	11553	11945	11990	44194
1695	PROLIFIC II	6216	2369	8582	11289	11627	11878	42838
1696	4A415	6600	2587	9154	11663	11433	12040	44551
1697	CW 064004	6288	2554	8869	11585	11290	11346	42846
1698	CW 23017	6535	2494	9002	11726	10568	10932	41928
1699	CW 054004	5829	2395	8250	11466	10607	11520	41843
1703	AC DALTON	6184	2135	8311	10841	10447	11215	40891
1704	LANCER	6212	2352	8576	10766	11058	11604	41946
1705	FSF 420LH	6030	2238	8298	11359	10583	11414	41905
1706	FSG 329	6024	2514	8578	11892	11168	11696	43365
1707	CW053014	6384	2606	8999	11717	10967	11727	43370
1708	CW 01073013	6143	2487	8626	11509	10601	11449	42391
1709	IMLO4	5586	2130	7687	10827	11354	11529	41228
1710	SF2202	6515	2595	9093	12218	11110	11787	44273
1711	SF2101	5983	2225	8222	11218	11006	11533	41785
900	Mean	6319	2471	8790	11538	11177	11667	43171
901	CV	5.6	6.3	4.8	6.3	4.3	3.5	3.0
905	MCV	6.6	7.5	5.6	7.4	5.1	4.2	3.6
902	LSD	418.0	185.0	496.3	852.5	574.1	487.0	1550.7
906	LSR	31.9	34.4	27.6	42.6	28.9	25.1	24.9
907	Pr>F(Trts)	0.0001	0.0000	0.0000	0.0201	0.0000	0.0000	0.0000
908	R_square	75.0	85.3	82.3	67.4	87.3	89.6	89.1

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

Alfalfa Registration C (2011) 2014
 New Liskeard Agricultural Research Station
 (1101)

ONTARIO
 New Liskeard
 Alfalfa Registration C
 Expt. 1101
 Seeded 2011

Code	Cultivar	2015 (kg/ha)						
		Cut 1	Cut 2	Tot15	Tot14	Tot13	Tot12	4yrTot
1432	OAC_SUPERIOR	2562	1404	3972	8126	11287	9844	32804
1577	STARBUCK	2394	1473	3826	8581	11019	9690	33247
1720	55V50	2867	1458	4384	9466	11338	10992	36045
1721	55H94	2954	1365	4327	8829	10063	9371	32881
1723	PS11A01	2805	1446	4273	8696	10432	9267	32484
1724	PS11A02	3067	1729	4769	9315	11298	9442	34748
1725	REBOUND 5 0	2821	1464	4266	8450	10794	8964	32239
1726	DSA01-T	5046	1630	6672	8281	10563	11104	36555
1727	DSA05-BR	3971	1652	5663	8908	11407	11190	36738
1728	CW055005	5180	1580	6812	8381	10220	8898	34641
1729	CW044019	5241	1714	6903	8335	10141	9610	35754
1735	QS-NR	2161	1145	3242	8128	10610	9321	31462
1736	DSB-18-T	2957	1658	4652	9327	11895	11367	37232
1737	LS603	2623	1493	4098	8251	11137	8998	32364
900	Mean	3332	1515	4847	8648	10872	9861	34228
901	CV	15.7	8.6	11.8	5.5	7.7	6.9	4.9
905	MCV	18.8	10.4	14.1	6.7	9.2	8.2	5.9
902	LSD	626.5	157.1	684.2	575.5	1004.8	812.1	2028.9
906	LSR	20.3	26.9	18.7	43.0	54.8	32.9	35.2
907	Pr>F(Trts)	0.0000	0.0000	0.0000	0.0010	0.1444	0.0000	0.0000
908	R_square	87.1	86.2	88.5	72.3	57.1	72.7	74.1

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

Alfalfa Registration C (2013) 2014
 New Liskeard Agricultural Research Station
 (1301)

ONTARIO
 New Liskeard
 Alfalfa Reg C
 Expt. 1301
 Seeded 2013

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

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

Alfalfa Registration A (2014) 2014
 New Liskeard Agricultural Research Station
 (1401)

ONTARIO
 New Liskeard
 Alfalfa Reg A
 Expt. 1401
 Seeded 2014

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

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

New Liskeard Bromegrass Reg A (2011) 2015
 New Liskeard Agricultural Research Station
 (1103)

ONTARIO
 New Liskeard
 Bromegrass Reg A
 Expt. 1103
 Seeded 2011

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

RCBD arrangement, 4 blocks {1234}

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

New Late Timothy Reg A (2011) 2014
New Liskeard Agricultural Research Station
(1105)

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

Code	Cultivar	2015 (kg/ha)					
		Cut 1	Tot15	Tot14	Tot13	Tot12	4yrTot
6002	CLIMAX	4876	4876	5693	8769	6881	26219
6026	ITASCA	4922	4922	6047	9482	7617	28068
6066	NORMAX	4949	4949	5936	10268	8105	29257
6081	MARIPOSA	5228	5228	6226	10002	7516	28972
6086	ALEXANDER	4664	4664	5551	9316	6994	26525
6136	EXPRESS	4946	4946	6026	9558	7874	28404
6138	AURORA	4900	4900	5589	9085	7193	26767
6161	NS04-T01	5173	5173	5768	10481	7866	29288
6176	AC PRATT	4852	4852	5512	9238	6990	26591
900	Mean	4946	4946	5816	9578	7448	27788
901	CV	5.2	5.2	5.5	6.2	5.1	3.3
905	MCV	6.2	6.2	6.6	7.5	6.1	4.0
902	LSD	308.2	308.2	386.0	714.5	456.9	1123.0
906	LSR	54.6	54.6	54.1	41.7	37.3	36.6
907	Pr>F(Trts)	0.1370	0.1370	0.0386	0.0063	0.0004	0.0001
908	R_square	90.4	90.4	73.2	86.4	69.4	76.7

RCBD arrangement, 4 blocks {1234}

New Liskeard Late Timothy Reg A (2012) 2015
 New Liskeard Agricultural Research Station
 (1204)

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

2015 (kg/ha)							
Code	Cultivar	Cut 1	Cut 2	Tot15	Tot14	Tot13	3yrTot
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6002	CLIMAX	6467	1674	8140	8328	12843	29311
6026	ITASCA	6523	1342	7865	8802	14036	30703
6066	NORMAX	6801	2046	8847	8510	13582	30939
6086	ALEXANDER	6197	1792	7990	8002	12928	28920
6136	EXPRESS	6395	1814	8210	8474	13501	30185
6138	AURORA	6264	1386	7650	8105	13435	29190
6161	NS04-T01	6709	2039	8749	8967	14452	32168
6177	SUMMERGRAZE	6193	1971	8164	8421	12905	29490
900	Mean	6444	1758	8202	8451	13460	30113
901	CV	5.1	13.3	5.8	5.8	6.8	5.0
905	MCV	6.2	16.2	7.1	7.0	8.2	6.0
902	LSD	399.9	285.5	579.7	593.4	1106.9	1814.7
906	LSR	65.7	40.5	48.4	61.5	68.8	55.9
907	Pr>F(Trts)	0.1156	0.0011	0.0246	0.1498	0.1921	0.0763
908	R_square	68.6	69.4	61.2	52.2	76.2	67.5

RCBD arrangement, 4 blocks {1234}

New Liskeard Late Timothy Reg A (2013) 2015
 New Liskeard Agricultural Research Station
 (1303)

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

	2015 (kg/ha)			
Code Cultivar	Cut 1	Tot15	Tot14	2yrTot
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6002 CLIMAX	7562	7562	10610	18172
6026 ITASCA	7378	7378	13090	20468
6086 ALEXANDER	7557	7557	10506	18063
6136 EXPRESS	7808	7808	11465	19273
6138 AURORA	7656	7656	11454	19110
6161 NS04-T01	7665	7665	10542	18206
6170 Crest	7325	7325	11210	18535
6178 Project	7225	7225	10723	17948
900 Mean	7522	7522	11200	18722
901 CV	6.1	6.1	6.5	5.2
905 MCV	8.8	8.8	9.3	7.5
902 LSD	659.6	659.6	1042.6	1408.1
906 LSR	113.1	113.1	40.4	55.9
907 Pr>F(Trts)	0.7832	0.7832	0.0106	0.0878
908 R_square	32.3	32.3	69.3	57.4

RCBD arrangement, 3 blocks {234}

New Liskeard Tall Fescue Reg A (2012) 2015
 New Liskeard Agricultural Research Station
 (1203)

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

Code	Cultivar	2015 (kg/ha)					
		Cut 1	Cut 2	Tot15	Tot14	Tot13	3yrTot
5028	CARNIVAL	4241	5566	9807	9632	13253	32691
5044	BAR FAFL 118701	3949	4778	8727	9268	12279	30275
5045	BAR FAFL 118702	3719	4701	8420	8618	12258	29297
5046	TOWER	2672	3436	6108	8914	12262	27284
5047	HYMARK	3638	4440	8078	8774	13330	30181
5523	COURTENAY	5044	5061	10105	9097	13022	32223
900	Mean	3877	4664	8541	9051	12734	30325
901	CV	8.5	11.1	7.5	5.5	6.5	3.7
905	MCV	10.6	13.8	9.3	6.8	8.1	4.6
902	LSD	410.3	643.7	791.1	619.0	1028.0	1409.4
906	LSR	17.3	30.2	19.8	61.1	96.0	26.1
907	Pr>F(Trts)	0.0000	0.0011	0.0000	0.1150	0.2237	0.0001
908	R_square	90.4	77.5	89.8	62.5	72.8	88.4

RCBD arrangement, 4 blocks {1234}

New Liskeard Tall Fescue Reg A (2013) 2015
 New Liskeard Agricultural Research Station
 (1302)

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

Code	Cultivar	2015 (kg/ha)				
		Cut 1	Cut 2	Tot15	Tot14	2yrTot
5028	CARNIVAL	4412	1962	6374	10901	17275
5041	KORA	4212	1790	6001	10854	16855
5051	IS-FTF_70	4116	1730	5846	10355	16201
5052	IS_FTF_73	4584	1730	6314	10782	17096
5523	COURTENAY	5155	1919	7074	11401	18476
900	Mean	4496	1826	6322	10859	17181
901	CV	11.5	14.3	11.7	5.8	7.3
905	MCV	14.5	18.1	14.7	7.3	9.2
902	LSD	654.0	330.2	930.4	797.8	1588.8
906	LSR	63.0	142.1	75.7	76.3	69.9
907	Pr>F (Trts)	0.0975	0.6180	0.2258	0.2966	0.2065
908	R_square	54.0	28.4	45.0	56.9	50.5

RCBD arrangement, 4 blocks {1234}

New Liskeard Tall Fescue Reg A (2014) 2015
 New Liskeard Agricultural Research Station
 (1402)

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

Code	Cultivar	2015 (kg/ha)		
		Cut 1	Cut 2	Tot15
5028	CARNIVAL	6927	4041	10968
5041	Kora	7356	4214	11570
5042	Yukon	7703	4511	12214
5053	PPG-FTF101	6138	3397	9535
5054	PPG-FTF104	6519	2912	9431
5055	PPG-FTF105	6216	3302	9518
5523	COURTENAY	8677	4123	12801
900	Mean	7077	3786	10863
901	CV	6.2	6.4	5.3
905	MCV	7.6	7.9	6.5
902	LSD	534.9	298.9	708.2
906	LSR	21.1	18.7	21.0
907	Pr>F(Trts)	0.0000	0.0000	0.0000
908	R_square	86.9	88.9	89.5

RCBD arrangement, 4 blocks {1234}