



New Liskeard Agricultural Research Station Crop Trials 2013

Summary of Results

OCCC Barley Performance

Barley 2R Orthogonal

Barley 6R Orthogonal

OOPSCC (SCCT) Canola Performance

Naked Oats

Covered Oats

Ottawa Oat

Quaker G x E Oat

OCCC Oat Performance

Spring Wheat Orthogonal

OCCC Spring Wheat Performance

Soybean Performance

Servita Soybeans

Corn under Plastic

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Yield Summary of 2013 NLARS Crop Trials (New Liskeard + Verner)

Trial		Varieties		Highest Grain Yields		Lowest Grain Yield		
Barley	OCCC Barley Performance	26	Synasolis	5295.5 kg/ha	OB5447-8	5041.5 kg/ha	GB092201	2769.0 kg/ha
	OCCC Barley Performance	26	HY 481-6R	5051.2 kg/ha	Amberly	5036.5 kg/ha	GB106009	3553.0 kg/ha
	Barley 2R Orthogonal	15	T574-045	4581.0 kg/ha	CH2509-7	4497.0 kg/ha	GBH2007	3074.2 kg/ha
	Barley 6R Orthogonal	18	UL1888	5466.3 kg/ha	HS5W8-60	5394.9 kg/ha	G786-016	3868.6 kg/ha
Canola	OOPSCC (SCCT) Canola Performance	13	13-75RR	930.0 kg/ha	1CN0181	886.6 kg/ha	1CN0053	313.6 kg/ha
	OOPSCC (SCCT) Canola Performance	13	1CN0181	592.7 kg/ha	45H31	563.2 kg/ha	46H75	217.5 kg/ha
Oats	Naked Oats	11	Jordan III	4311.5 kg/ha			VAO-Panda	1613.7 kg/ha
	Covered Oats	36	OA1331-5-5	5173.9 kg/ha	OA1331-6-Reg 1	4907.2 kg/ha	OA1329-2	3784.0 kg/ha
	Ottawa Oat	50	OA1331-5-4	5605.7 kg/ha	OA1402-1	5561.5 kg/ha	Bradley	3487.4 kg/ha
	Quaker G x E Oat	21	AC Morgan	4773.3 kg/ha	OA1306-1	4759.4 kg/ha	BetaGene	3613.6 kg/ha
	OCCC Oat Performance*	26	Nice	6128.1 kg/ha	CFA1317	5792.1 kg/ha	Navaro	4385.0 kg/ha
	OCCC Oat Performance	26	Nice	4370.7 kg/ha	RC Amaze	4094.5 kg/ha	CANTAL	2117.8 kg/ha
Spring Wheat	Spring Wheat Orthogonal	30	DASN0034	4963.3 kg/ha	HY162-HRF	4941.5 kg/ha	AC Carberry	3301.7 kg/ha
	OCCC Spring Wheat Performance*	24	Megantic	5923.5 kg/ha	Furano	5903.5 kg/ha	BW932	3474.9 kg/ha
	OCCC Spring Wheat Performance	24	Furano	6269.4 kg/ha	CM9004	6042.4 kg/ha	BW932	4446.4 kg/ha
Soybeans	Soybean Performance	16	26-10	2890.0 kg/ha	25-10	2889.9 kg/ha	HSOSRY12	1650.5 kg/ha
	Soybean Performance	5	25-10	3231.4 kg/ha	26-10	3026.7 kg/ha	26-12	2321.7 kg/ha
	Servita Soybeans Exp. 19	30	OAC Petrel	3157.4 kg/ha	OT09-03	3147.3 kg/ha	HS09-121-5/1/11/1/29	1378.3 kg/ha
	Servita Soybeans Exp. 36	15	SVX14N0052	2614.6 kg/ha			H507-03-1/2/1/1/10nattoc	2239.7 kg/ha
	Servita Soybeans Exp. 43	20	Misty	3450.0 kg/ha	OAC Petrel	3438.7 kg/ha	H508-43-1/1/1/1/1/4c	2048.5 kg/ha
Corn	Corn under Plastic	4	27-55 (no plastic)	4487.4 kg/ha	27-54 (plastic)	4436.0 kg/ha		

* The OCCC Oat Performance in New Liskeard was a managed trial that also looked at the yield difference with fungicide and no fungicide. The values included in the table are with fungicide. The highest grain yields without fungicide were from OA1306-1 (5973.8 kg/ha) and CFA1317 (5792.1 kg/ha)

*The OCCC Spring Wheat Performance in New Liskeard was a managed trial that also looked at the yield difference with fungicide and no fungicide. The values included in the table are with fungicide. The highest grain yields without fungicide are from HY162-HRF (5401.2 kg/ha) and Filler-Wilkin (5388.5 kg/ha)

Verner crop trials

New Liskeard Corn Under Plastic 2013
 New Liskeard Agricultural Research Station
 (NLCUP13)

Seeded: 27-May-13

Fertilization: 100 N kg/ha (34-0-0) + 50 kg/ha (11-52-0)

Herbicide: Converge PRO 220ml/ha + Converge 480 2.22 L/ha (Pre-seeding) 1.5 L/ha Roundup Transorb

Entry	Code	Variety	Grain	Biomass	TKW	Test Wt.	Lodging	Height	Days to Tassel	Days to Silk	Index		Harv Adjusted	
			kg/ha	kg/ha	g/1000	kg/hl	(0-9)	(cm)			Grain	Biomass	Grain	Biomass
5	1	26-25	4200.8	9680.3	141.2	59.0	0	237	62	67	101	85	101	88
1	2	Plastic - 26-25	4131.6	11746.6	151.3	59.9	0	238	58	65	99	103	100	103
6	3	27-54	4253.0	11967.1	146.2	59.8	0	243	63	67	102	105	101	104
2	4	Plastic - 27-54	4436.0	11503.3	146.7	61.8	0	245	61	65	107	101	104	101
7	5	27-55	4487.4	11161.3	152.8	61.3	0	241	63	67	108	98	104	99
3	6	Plastic 27-55	4224.8	11206.6	148.6	61.9	0	235	60	65	102	99	101	99
8	7	28-76	3679.8	10676.0	147.0	57.7	0	258	65	67	88	94	94	95
4	8	Plastic 28-76	3885.7	12987.8	142.3	59.0	0	250	62	66	93	114	96	111

Average 4162.4 11366.1 147.0 60.1 0.0 243 62 66
 LSD (0.05) 527.9 1333.0
 C.V. 8.63% 7.98%

ANOVA2 analysis
 Grain Adjusted to 15.5% moisture

	Grain	Biomass
SE	359.2147	907.0170
SD	268.4834	966.5876
H	0.55	0.78

Variety	CHU
26-25	2125
27-54	2175
27-55	2175
28-76	2200

New Liskeard Corn Under Plastic 2013
 New Liskeard Agricultural Research Station
 (**NLCUP13**)

Seeded: 27-May-13
 Fertilization: 100 N kg/ha (34-0-0) + 50 kg/ha (11-52-0)
 Herbicide: Converge PRO 220ml/ha + Converge 480 2.22 L/ha (Pre-seeding) 1.5 L/ha Roundup Transorb

Treatment		Grain		Biomass		TKW	Test Wt.	Height	Lodging	Days to	Days to
		kg/ha	DM %	kg/ha	DM %	g/1000	kg/hl	(cm)	(0-9)	Tassle	Silk
Reps											
	1	4275.9	73.0	11282.9	41.1	154.8	61.2	245	0	61	66
	2	4254.0	72.5	11519.9	41.1	145.2	60.0	246	0	62	66
	3	4004.9	73.3	11203.1	41.1	143.9	59.5	240	0	62	66
	4	4114.7	73.4	11458.9	41.1	144.1	59.5	241	0	62	66
Variety											
	1 26-25	4166.2	74.3	10713.5	41.5	146.2	59.5	237	0	60	66
	2 27-54	4344.5	74.0	11735.1	40.5	146.4	60.8	244	0	62	66
	3 27-55	4356.1	74.5	11184.1	40.5	150.7	61.6	238	0	61	66
	4 28-76	3782.7	69.4	11832.0	42.0	144.6	58.4	254	0	63	66
Plastic											
	0 NON-Plastic	4155.3	72.4	10871.3	39.3	146.8	59.5	244	0	63	67
	1 Plastic	4169.5	73.7	11861.1	43.0	147.2	60.6	242	0	60	65
Plastic x Variety											
	NON Plastic x 26-25	4200.8	74.5	9680.3	38.0	141.2	59.0	237	0	62.3	67.0
	Plastic x 26-25	4131.6	74.0	11746.8	45.0	151.3	59.9	238	0	58.3	64.5
	NON Plastic x 27-54	4253.0	73.3	11967.0	41.0	146.2	59.8	243	0	62.5	66.8
	Plastic x 27-54	4436.0	74.8	11503.3	40.0	146.7	61.8	245	0	60.8	64.8
	NON Plastic x 27-55	4487.4	73.5	11161.5	39.0	152.8	61.3	241	0	62.5	67.0
	Plastic x 27-55	4224.8	75.5	11206.8	42.0	148.6	61.9	235	0	60.3	64.8
	NON Plastic x 28-76	3679.8	68.3	10676.3	39.0	147.0	57.7	258	0	64.5	67.0
	Plastic x 28-76	3885.7	70.5	12987.8	45.0	142.3	59.0	250	0	62.3	65.5

MSTAT Summary

Average	4162.4	73.0	11366.2	41.1	147.0	60.1	243.1	0.0	61.7	65.9
C.V. %	8.24%	2.94%	5.90%	0.00%	3.82%	1.92%				
Variety (A)	0.0057	0.0009	0.1999	0.0000	nil	0.0006				
Plastic (B)	nil	0.1193	0.0669	0.0000	nil	0.1056				
Variety x Plastic (AB) (interactions)	nil	nil	0.0049	0.0000	0.0881	nil				

Significance P < 0.05

New Liskeard OCCC Barley Performance 2013

New Liskeard Agricultural Research Station

(NLBPT13)

Seeded: 6-May-13

Fertilization: 70 N kg/ha

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	Straw	1000 Seed	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index		Harv Adjusted	
			kg/ha	kg/ha	weight (g)	kg/hl	(0-9)	(cm)			Grain	Straw	Grain	Straw
10	1057	Synasolis	5295.5	4654.2	42.6	58.7	0	69	69	103	126	125	120	120
25	1107	OB 5447-8	5041.5	4397.4	42.7	57.2	0	74	66	101	120	118	115	115
7	1049	OCEANIK	4792.5	4114.0	45.8	58.8	0	80	66	103	114	110	111	108
23	1105	GB106006	4789.3	4579.4	44.4	60.2	0	70	62	103	114	123	111	119
14	1071	HY 460-6R	4720.5	3544.4	40.2	60.5	0	61	67	103	113	95	109	96
26	1108	Chambly	4703.5	4258.2	45.7	58.4	0	69	66	104	112	114	109	111
16	1080	HY 621-6R	4629.5	3881.5	46.7	58.6	0	71	62	102	110	104	108	103
22	1104	OS08-321	4554.1	3884.5	40.2	59.9	0	70	67	104	109	104	106	103
20	1097	GB096001	4513.8	3925.2	47.3	60.5	0	67	62	101	108	105	106	104
5	1038	HY 481-6R	4370.0	3627.1	40.0	57.4	0	67	62	102	104	97	103	98
21	1098	GB096002	4339.5	3153.9	38.9	58.3	0	60	64	99	103	84	103	87
11	1059	Amberly	4317.3	5159.0	47.3	59.0	0	73	68	104	103	138	102	131
6	1043	SYNABELLE	4260.5	3570.8	42.5	59.7	0	71	69	103	102	96	101	96
13	1069	Alliance	4220.2	3736.3	38.5	58.9	0	63	67	103	101	100	100	100
9	1056	Harmony	4212.6	4503.6	42.6	58.5	0	80	68	105	100	121	100	117
15	1072	Pandora	3991.9	2820.5	37.4	62.4	0	67	70	99	95	75	96	80
3	1034	OAC Ripley	3961.4	3703.1	40.1	59.1	0	68	68	105	94	99	96	99
17	1084	Conestogo	3957.9	3458.4	46.0	61.7	0	69	68	98	94	93	96	94
2	1009	Bornholm	3932.7	2689.4	47.3	64.7	0	61	69	96	94	72	95	77
8	1052	OAC Laverne	3820.6	3414.9	43.4	61.6	0	74	65	103	91	91	93	93
18	1092	Bentley	3741.3	3202.3	46.4	57.4	0	72	69	100	89	86	92	88
24	1106	GB106009	3698.3	3341.2	38.9	58.8	0	66	68	106	88	89	91	91
1	1001	AC Kings	3647.8	3750.3	49.4	62.6	0	70	70	98	87	100	90	100
4	1037	Dignity	3452.3	3723.9	43.0	59.1	0	67	69	103	82	100	87	100
12	1064	HY 101-6R	3333.5	2910.3	43.0	57.4	0	48	68	105	79	78	85	82
19	1094	GB092001	2769.0	3163.7	52.9	56.1	0	54	70	99	66	85	74	87

Average 4194.9 3737.2 43.6 59.4 0.0 68 67 102
LSD (0.05) 796.978 712.779
C.V. 13.49% 13.54%

	Grain	Straw
SE	565.8910	506.0184
SD	569.3532	602.6721
H	0.75	0.82

New Liskeard OCCO Oat Performance (Managed) 2013

New Liskeard Agricultural Research Station

(NLOPTM13)

Seeded: 6-May-13

Fertilization: 55 N kg/ha (34-0-0)

Herbicide: 1.25 L/ha Logic M

Entry	Fung	Code	Variety	Grain	Straw	1000 Seed	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index	
				kg/ha	kg/ha	weight (g)	kg/hl	(0-9)	(cm)			Grain	Straw
1	0	3005	OAC Markdale	4521.4	5908.5	40.1	45.3	0.0	94	67	107	93	120
1	1	3005	OAC Markdale	4941.2	7430.4	40.6	46.1	0.0	92	67	109	95	115
2	0	3006	Alcyon	4225.3	4565.7	41.0	48.0	1.0	102	66	112	87	93
2	1	3006	Alcyon	4982.3	6445.7	41.8	48.3	0.8	98	65	107	95	100
3	0	3008	Prescott	5103.2	3491.4	38.1	47.1	4.3	81	63	104	105	71
3	1	3008	Prescott	5192.6	5192.3	38.3	47.1	0.0	81	63	103	99	81
4	0	3015	Robust	5234.4	3401.9	35.9	50.0	1.3	76	66	103	107	69
4	1	3015	Robust	5535.7	4744.7	36.0	49.8	0.0	79	66	103	106	74
5	0	3019	Canmore	4942.7	5371.4	44.6	47.0	1.0	95	69	111	101	109
5	1	3019	Canmore	5606.7	6982.8	44.6	47.7	0.3	87	69	109	107	108
6	0	3025	RC Amaze	5439.1	3760.0	39.4	48.7	4.3	78	63	103	111	76
6	1	3025	RC Amaze	5843.5	4655.2	39.5	48.9	3.8	80	63	103	112	72
7	0	3026	Synextra	4150.0	5192.3	40.3	48.5	0.0	102	69	105	85	106
7	1	3026	Synextra	4790.5	7251.4	40.9	49.0	0.0	105	69	107	92	113
8	0	3028	Navaro	3988.2	5998.0	35.3	55.9	0.0	82	69	109	82	122
8	1	3028	Navaro	4085.0	8504.7	36.0	57.6	0.0	83	70	110	78	132
9	0	3031	Dieter	4426.9	4118.1	42.9	46.3	1.3	95	69	109	91	84
9	1	3031	Dieter	5174.7	5550.4	44.1	46.3	0.5	95	69	107	99	86
10	0	3032	Avatar	5042.8	4028.5	39.1	47.4	2.5	87	68	109	103	82
10	1	3032	Avatar	5282.2	5013.3	40.3	48.2	1.3	84	68	108	101	78
11	0	3033	Oscar	4865.2	3760.0	40.7	48.1	2.8	82	66	103	100	76
11	1	3033	Oscar	5852.3	6266.6	41.9	47.9	1.3	84	64	103	112	97
12	0	3034	HY 174-OA	4927.7	5550.4	44.3	48.4	0.0	91	65	112	101	113
12	1	3034	HY 174-OA	4741.7	6803.8	45.4	48.1	0.0	84	65	108	91	106
13	0	3037	Optimum	5080.7	5460.9	35.6	45.9	0.0	76	70	113	104	111
13	1	3037	Optimum	5076.8	5819.0	36.0	45.3	0.0	73	70	109	97	90
14	0	3038	Hidalgo	4348.2	3312.4	39.5	46.4	1.5	78	69	107	89	67
14	1	3038	Hidalgo	5474.0	6535.2	40.6	46.9	1.3	84	69	105	105	101
15	0	3039	Vitality	5514.0	4655.2	46.2	46.1	0.8	88	68	110	113	95
15	1	3039	Vitality	5481.9	4655.2	47.6	45.8	0.0	89	68	112	105	72
16	0	3043	Bradley	4494.2	6266.6	41.9	45.4	0.5	92	68	109	92	127
16	1	3043	Bradley	4638.8	7251.4	41.8	46.1	0.0	88	68	110	89	113
17	0	3044	CANTAL	4937.1	5998.0	41.5	49.7	2.8	111	69	105	101	122
17	1	3044	CANTAL	4763.7	6803.8	42.1	49.5	1.5	105	69	107	91	106
18	0	3046	AAC Bullet	5178.7	5908.5	43.8	46.4	0.0	81	68	111	106	120
18	1	3046	AAC Bullet	5729.8	7967.6	43.5	46.3	0.0	82	69	111	110	124
19	0	3047	IDAHO	3860.7	6177.1	33.2	58.8	0.0	91	70	111	79	126
19	1	3047	IDAHO	4335.4	8057.1	33.7	59.4	0.0	86	70	109	83	125
20	0	3049	AAC Roskens	5244.5	3939.0	39.5	46.1	1.5	80	67	105	107	80
20	1	3049	AAC Roskens	5045.8	4118.1	39.4	46.0	1.3	78	65	103	97	64
21	0	3051	Nice	5273.0	4118.1	44.5	47.2	2.3	98	68	111	108	84
21	1	3051	Nice	6128.1	6266.6	45.5	48.1	0.5	94	69	107	117	97
22	0	3054	Riley	4843.8	4744.7	42.9	48.9	1.5	89	68	111	99	96
22	1	3054	Riley	5141.5	5729.5	42.8	48.7	0.0	90	68	111	98	89
23	0	3055	OA1286-1	4005.9	3580.9	40.1	47.0	2.5	89	68	111	82	73
23	1	3055	OA1286-1	4978.8	3939.0	39.5	46.7	1.5	84	68	106	95	61
24	0	3056	CFA1317	5792.1	5192.3	36.5	48.1	2.3	84	69	113	119	106
24	1	3056	CFA1317	6015.2	8594.2	38.7	48.3	0.0	80	69	109	115	133
25	0	3058	OA1306-1	5973.8	8415.2	41.8	47.1	1.3	104	73	115	122	171
25	1	3058	OA1306-1	5972.5	11638.0	42.3	47.9	0.0	95	72	116	114	181
26	0	3059	OA1285-1	5527.4	5013.3	41.5	46.3	2.3	83	70	112	113	102
26	1	3059	OA1285-1	5038.2	5371.4	42.2	46.5	0.0	82	69	107	96	83

Grand Mean	5053.7	5683.0	40.7	48.2	1.0	87.8	67.7	108.2
Average No Fungicide	4882.3	4920.3	40.4	48.1				
Average Fungicide	5225.0	6445.7	40.9	48.3				
C.V.	14.26%	18.86%	2.19%	1.42%				

New Liskeard OCCC Spring Wheat Performance (Managed) 2013
 New Liskeard Agricultural Research Station
 (NLSWPTM13)

Seeded: 6-May-13
 Fertilization: 70 N kg/ha (34-0-0)
 Herbicide: 1.25 L/ha Logic M

Entry	Fung	Code	Variety	Grain	Straw	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index	
				kg/ha	kg/ha	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Straw
1	0	5009	Norwell	4778.0	5892.4	38.1	75.9	0	95	63	110	102	101
1	1	5009	Norwell	4752.0	4759.0	38.8	76.9	0	84	63	110	97	88
2	0	5010	Sable	4717.4	5450.2	40.2	75.5	0	79	67	114	101	94
2	1	5010	Sable	5007.5	5360.2	40.4	76.3	0	79	66	112	102	100
3	0	5014	Orleans	4507.8	4508.5	40.3	73.5	0	102	64	110	97	78
3	1	5014	Orleans	4685.3	4150.5	40.4	74.0	0	97	64	110	96	77
4	0	5019	Megantic	5282.3	4943.7	44.3	76.6	0	107	63	110	113	85
4	1	5019	Megantic	5923.5	4990.7	43.8	77.0	0	102	63	110	121	93
5	0	5024	HY 124-HRS	4341.3	7190.8	43.3	74.3	0	89	67	110	93	124
5	1	5024	HY 124-HRS	4183.1	6294.6	44.0	75.1	0	84	67	110	85	117
6	0	5025	HY 017-HRS	5027.3	5229.0	39.5	75.2	0	77	65	110	108	90
6	1	5025	HY 017-HRS	5297.0	4650.3	39.8	75.8	0	74	64	111	108	86
7	0	5028	HY 162-HRF	5400.2	3766.6	45.0	72.4	0	85	62	110	116	65
7	1	5028	HY 162-HRF	5228.5	3911.5	44.2	72.0	0	84	61	110	107	73
8	0	5030	Furano	5016.1	7511.8	41.1	75.6	0	101	70	114	107	129
8	1	5030	Furano	5903.5	6997.2	41.2	76.8	0	98	70	113	121	130
9	0	5031	MAJOR	4252.0	7618.8	41.1	75.0	0	102	71	114	91	131
9	1	5031	MAJOR	4067.3	6881.3	38.5	75.1	0	100	70	114	83	128
10	0	5032	RICHELIEU	5040.3	6891.2	42.8	74.2	0	99	67	110	108	119
10	1	5032	RICHELIEU	5414.1	6294.6	43.1	74.7	0	103	67	110	111	117
11	0	5037	Fuzion	4925.6	6484.5	42.2	74.9	0	110	67	110	105	112
11	1	5037	Fuzion	5286.2	5497.8	42.2	75.0	0	104	67	110	108	102
12	0	5041	Wilkin	5069.2	6199.2	37.3	73.4	0	86	65	111	109	107
12	1	5041	Wilkin	4839.5	5505.0	37.8	74.0	0	81	65	110	99	102
13	0	5042	AW625	4926.1	5221.9	44.0	73.3	0	109	68	110	105	90
13	1	5042	AW625	5206.9	4773.4	43.7	73.7	0	107	69	110	106	89
14	0	5043	KINGSEY	4269.5	6563.0	45.5	75.4	0	105	68	110	91	113
14	1	5043	KINGSEY	5065.3	6700.2	45.1	75.7	0	105	67	110	103	125
15	0	5053	Carberry	4550.3	6170.7	36.7	74.6	0	83	60	110	97	106
15	1	5053	Carberry	5039.1	6345.3	38.4	76.2	0	80	60	110	103	118
16	0	5054	MAGOG	4514.0	4743.9	39.9	73.7	0	102	64	110	97	82
16	1	5054	MAGOG	4742.7	4186.7	40.5	74.2	0	96	64	110	97	78
17	0	5055	TOPAZE	3334.9	6434.6	34.6	72.9	0	99	70	111	71	111
17	1	5055	TOPAZE	3857.5	5910.7	36.4	73.7	0	94	70	113	79	110
18	0	5062	AW687	5087.4	5307.5	41.6	75.2	0	100	67	110	109	91
18	1	5062	AW687	5208.5	4708.2	41.7	75.2	0	98	66	110	106	88
19	0	5063	BA83-EC-8	4338.8	6627.2	40.6	75.0	0	107	64	110	93	114
19	1	5063	BA83-EC-8	4533.2	5729.6	40.5	75.2	0	105	64	110	93	106
20	0	5065	BW932	3232.7	4087.6	39.0	74.4	0	100	68	114	69	70
20	1	5065	BW932	3474.9	4367.8	39.4	75.3	0	79	68	114	71	81
21	0	5066	CM9004	4696.9	6313.3	37.3	74.4	0	76	70	111	101	109
21	1	5066	CM9004	4837.4	5251.5	36.1	74.3	0	75	69	111	99	98
22	0	5067	AW725	4972.1	5414.5	41.7	74.5	0	102	67	110	106	93
22	1	5067	AW725	5358.1	5649.9	42.3	75.1	0	95	67	110	109	105
23	0	5060	Kleos	4400.0	4950.8	43.9	73.5	0	98	64	110	94	85
23	1	5060	Kleos	4632.9	5200.8	43.1	74.3	0	91	64	110	95	97
24	0	0	Filler-Wilkin	5388.5	5821.1	39.3	73.6	0	87	65	110	115	100
24	1	0	Filler-Wilkin	5010.2	5005.2	39.0	74.4	0	83	64	110	102	93

Average	4783.8	5593.0	40.8	74.7	0.0	93.6	65.8
Average No Fungicide	4669.5	5806.0	40.8	74.5			
Average Fungicide	4898.1	5380.1	40.8	75.0			
C.V.	7.97%	14.20%	3.46%	0.83%			

New Liskeard Ontario 2R Barley Orthogonal 2013

New Liskeard Agricultural Research Station

(NL2RBO13)

Seeded: 6-May-13

Fertilization: 70 N kg/ha

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index	Harv
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)			Grain	Grain
15		T574-045	4581.0	48.1	66.3	0	71	68	96	119	117
9		CH2509-7	4497.0	51.0	64.9	0	70	68	99	116	115
10		CH2517-11	4296.6	46.5	65.2	0	71	68	99	111	110
8		BM0439-164	4183.7	47.9	65.6	0	70	68	98	108	108
11		CH2518-6	4026.8	51.8	66.5	0	76	68	99	104	104
16		T569-044	4026.0	48.0	64.6	0	62	22	98	104	104
4		CH2309-2	3977.7	55.3	63.1	0	76	68	98	103	103
1		Bornholm	3933.9	47.7	67.1	0	56	68	96	102	102
7		BM0417-360	3821.4	43.9	63.4	0	70	68	101	99	99
5		GB112006	3753.6	53.9	66.4	0	69	66	96	97	97
2		HY435-2R	3708.7	48.4	65.3	0	63	67	98	96	96
12		GB132013	3566.6	50.9	68.0	0	73	63	97	92	93
14		T568-058	3538.9	48.9	65.7	0	57	66	97	92	92
3		T506-068	3524.4	46.5	64.2	0	58	68	97	91	92
13		GB132014	3290.1	53.2	65.7	0	73	64	101	85	86
6		GB112007	3074.2	54.5	63.3	0	69	66	103	80	81

Average 3862.5 49.8 65.3 0.0 68 64 98
 LSD (0.05) 340.619
 C.V. 6.19%

Grain
239.0912
414.3573
0.92

New Liskeard Ontario 6R Barley Orthogonal 2013

New Liskeard Agricultural Research Station

(NL6RBO13)

Seeded: 6-May-13

Fertilization: 70 N kg/ha

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index	Harv Adj.
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Grain
18		UL188	5466.3	49.5	58.0	0	74	67	104	118	113
11		HS5608-60	5394.9	48.9	59.1	0	78	66	103	117	112
5		HS5455-1	5330.3	46.6	59.2	0	83	68	104	115	111
12		HS5617-11	5320.2	51.4	60.7	0	80	66	104	115	111
15		HY1307307B	5116.0	44.4	58.0	0	75	62	104	111	108
10		HS5606-11	4888.6	49.7	57.6	0	77	67	104	106	104
14		HS5626-39	4736.7	49.8	58.4	0	78	68	104	102	102
9		GB136016	4692.6	46.3	58.7	0	69	63	100	101	101
2		HY101-6R	4598.7	49.1	59.4	0	55	64	102	99	100
13		HS5623-21	4548.5	46.4	56.2	0	79	67	105	98	99
7		C785-003	4414.9	46.5	60.6	0	62	62	101	95	97
8		GB136015	4246.2	48.7	61.3	0	60	60	104	92	94
6		C784-023	4210.6	45.5	57.4	0	60	65	105	91	94
1		Cyane	4201.5	47.9	57.4	0	71	67	104	91	93
16		CFO1304	4177.4	50.6	58.2	0	76	68	104	90	93
4		CH2633-1715	4099.3	45.0	56.5	0	76	66	104	89	92
17		CFO1315	3982.6	43.0	58.3	0	82	68	104	86	90
3		C786-016	3868.6	42.4	56.3	0	58	65	104	84	88

Average 4627.4 47.3 58.4 0.0 72 65 103
 LSD (0.05) 783.653
 C.V. 11.93%

Grain
552.0532
521.0575
0.72

New Liskeard OOPSCC (SCCT) Canola Performance 2013

New Liskeard Agricultural Research Station

(NLSCCT13)

Seeded: 17-May-13

Fertilization: 120 N kg/ha

Herbicide: Muster 30g /ha + Poast Ultra 0.5L/ha + Merge 1L/ha

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index		Harv
			kg/ha	weight (g)	(kg/ha)	(0-9)	(cm)			Grain	Grain	
5		73-75RR	930.0	3.2	64.6	0				133		130
12		1CN0181	886.6	3.1	64.8	0				127		124
3		5440	879.1	3.3	64.4	0				126		123
2	*	L150	844.9	3.0	63.7	0				121		119
11		74-44BL	761.4	3.4	64.7	0				109		108
7	*	L130	739.1	3.3	64.2	0				106		105
1		45H28	678.9	3.7	62.9	0				97		98
6		Canterra 1990	670.5	3.2	63.3	0				96		97
10		45S54	657.7	3.5	63.8	0				94		95
8		45H31	632.5	3.5	64.4	0				91		92
9		46H75	622.9	3.2	63.4	0				89		90
4	*	45H29	449.5	3.2	63.5	0				64		68
13	*	1CN0053	313.6	3.0	62.9	0				45		51

Average 697.4 3.3 63.9 0.0
 LSD (0.05) 166.224
 C.V. 16.55%

* one plot with estimated value

	Grain
SE	115.4272
SD	175.9951
H	0.89

New Liskeard Ottawa Covered Oat Registration 2013

New Liskeard Agricultural Research Station

(NLCOR13)

Seeded: 7-May-13

Fertilization: 55 N kg/ha (34-0-0)

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index	Harv
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Grain
1		OA1331-5	4595.7	38.1	43.1	0.0	79	70	106	105	103
2		OA1357-2	4270.7	41.4	44.4	0.5	88	69	110	97	98
3		OA1347-2	4723.7	41.3	43.5	0.0	91	69	106	108	106
4		OA1331-6	4751.2	37.8	43.8	0.0	84	70	106	108	106
5		OA1328-2	4211.1	35.9	42.5	0.0	92	68	111	96	97
6		OA1342-1	4504.0	39.9	45.7	0.0	88	69	108	103	102
7		OA1354-1	4456.1	37.3	48.5	0.0	71	67	106	101	101
8		OA1348-1	4456.7	36.7	44.6	0.5	83	68	112	102	101
9		OA1358-1	4007.3	38.5	46.1	0.0	72	68	101	91	94
10		OA1329-2	3784.0	38.0	45.9	0.0	74	69	105	86	90
11		OA1367-6	4499.5	39.0	46.1	0.8	90	66	110	102	102
12		OA1371-3	4597.4	40.2	46.4	1.8	84	69	110	105	103
13		OA1371-2	4458.7	37.9	45.1	0.5	83	69	110	102	101
14		OA1382-1	4458.0	37.3	44.9	0.0	81	70	112	102	101
15		OA1373-4	3924.3	35.1	45.6	0.0	79	69	108	89	92
16		OA1367-2	4683.8	42.2	48.0	0.0	93	68	112	107	105
17		OA1369-5	4567.3	35.2	45.8	3.0	85	66	103	104	103
18		OA1375-1	4168.0	41.9	47.0	0.0	84	70	113	95	96
19		OA1369-1	4512.4	39.4	45.0	3.8	94	67	104	103	102
20		OA1367-3	4753.4	40.9	45.6	0.0	82	69	111	108	106
21		OA1366-1	4161.4	41.0	45.7	0.0	85	72	112	95	96
22		OA1383-2	4377.6	35.6	45.0	1.0	97	71	110	100	100
23		OA1372-1	4098.0	35.7	46.0	0.0	76	69	109	93	95
24		OA1370-2	3893.9	34.7	45.6	0.0	77	69	109	89	92
25		OA1378-1	4172.4	35.6	46.4	0.0	82	69	111	95	96
26		OA1376-1	4058.6	40.3	47.7	0.0	98	69	111	92	94
27		OA1374-1	3787.2	36.3	45.6	0.0	85	66	110	86	90
28		OA1365-1	4724.9	38.3	46.9	4.5	95	68	106	108	106
29		OA1331-5-4	4577.8	36.5	44.8	1.8	81	70	108	104	103
30		OA1331-5-5	5173.9	37.9	43.4	0.0	84	70	106	118	113
31		OA1301-1w-3	4663.9	40.9	42.4	0.0	77	68	112	106	105
32		OA1331-6-Reg1	4907.2	38.3	45.0	0.5	84	69	102	112	109
33		Bradley	4015.5	40.7	45.5	0.0	83	67	111	91	94
34		Oscar	4272.1	40.3	47.5	0.3	84	66	103	97	98
35		Rigodon	4566.2	40.4	45.9	0.8	96	66	108	104	103
36		Orrin	4236.4	40.6	46.1	0.0	87	68	110	96	97

Average	4390.2	38.4	45.4	0.6	84	68	108
LSD	473.787	1.515	0.810				
CV	7.70%	2.81%	1.27%				

	Grain
SE	338.0478
SD	324.2034
Harv	0.73

New Liskeard Naked Oats 2013
 New Liskeard Agricultural Research Station
 (NLNO13)

Seeded: 7-May-13
 Fertilization: 55 N kg/ha
 Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index	Harv
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Grain
5		Jordan III	4311.5	43.3	42.3	0	80	72	117	179	178
6		Navoro	2710.6	34.9	58.6	0	69	69	104	113	113
2		09J045-1-9-1	2697.7	31.9	56.5	0	70	69	115	112	112
1		09J045-1-55-1	2611.8	30.4	56.9	0	73	69	116	109	109
3		09J079-1-11-1	2334.6	35.6	56.2	0	81	69	106	97	97
4		AC Gehl	2165.3	32.5	63.5	0	95	67	105	90	90
8		VAO59	2145.4	27.8	61.3	0	90	70	114	89	90
9		VAO-65	2083.3	32.5	64.8	1	98	67	104	87	87
10		VAO-68	2070.4	31.3	64.2	2	97	66	102	86	86
7		VAO-51	1680.2	32.2	66.9	0	79	66	101	70	70
11		VAO-Panda	1613.7	21.9	48.4	3	84	72	111	67	68

Average	2402.2	32.2	58.1	0.5	83	69	108
LSD (0.05)	283.470						
C.V.	8.17%						

	Grain
SE	196.2622
SD	731.6584
Harv	0.98

New Liskeard Ottawa Oat Preliminary 2013
 New Liskeard Agricultural Research Station
 (NLOOP13)

Seeded: 7-May-13
 Fertilization: 55 N kg/ha (34-0-0)
 Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Stem Brk	Height	Days to	Days to	Index	Harv Adjusted
			kg/ha	weight (g)	kg/hl	(0-9)	(0-9)	(cm)	Head	Mature	Grain	Grain
28		OA1331-5-4	5605.7	33.8	42.7	0.0	0.0	92	70	107	125	113
38		OA1402-1	5561.5	34.5	45.7	0.0	0.0	92	67	109	124	112
15		OA1386-6	4889.8	36.0	46.4	5.3	0.0	86	62	102	109	105
11		OA1386-2	4859.9	39.0	46.8	4.7	0.0	92	61	102	108	104
50		Orrin	4796.9	40.4	45.2	0.0	0.0	95	68	109	107	104
39		OA1403-1	4784.9	37.8	45.0	0.0	0.0	85	67	110	106	103
1		OA1384-1	4646.8	37.6	44.3	0.0	0.0	88	69	104	103	102
43		OA1407-1	4603.4	36.6	43.2	0.0	0.0	90	67	110	102	101
36		OA1400-1	4566.5	41.2	45.0	0.0	0.0	91	68	107	102	101
29		OA1396-1	4468.9	34.9	43.9	0.0	0.0	95	70	105	99	100
9		OA1385-2	4463.9	33.7	43.9	0.0	0.0	88	66	102	99	100
27		OA1394-1	4450.4	35.3	45.6	0.0	0.0	100	68	107	99	100
31		OA1397-2	4429.9	38.5	45.7	0.0	0.0	91	68	102	99	99
4		OA1384-4	4426.9	36.2	46.4	2.7	0.0	80	61	102	99	99
2		OA1384-2	4419.1	37.6	46.4	2.3	1.7	90	61	102	98	99
22		OA1391-2	4417.7	41.0	43.0	0.0	0.0	91	66	105	98	99
26		OA1393-1	4413.2	38.7	41.9	0.0	0.0	90	68	110	98	99
47		Morgan	4394.8	37.6	44.1	0.0	0.0	87	69	110	98	99
7		OA1384-7	4381.6	37.8	46.6	0.0	0.0	90	68	107	98	99
33		OA1398-1	4375.9	33.8	45.0	0.0	0.0	92	70	111	97	99
19		OA1389-1	4375.1	38.6	46.9	0.0	0.0	91	68	102	97	99
24		OA1392-2	4372.6	43.7	41.6	0.0	0.0	94	69	110	97	99
17		OA1387-1	4349.4	35.3	44.2	0.0	0.0	87	69	110	97	98
37		OA1401-1	4341.4	35.5	44.2	0.0	0.0	86	68	107	97	98
30		OA1397-1	4335.9	38.1	47.3	0.0	0.0	75	65	102	97	98
8		OA1385-1	4289.3	38.4	43.1	2.3	2.0	82	68	101	95	98
42		OA1406-1	4267.8	36.0	42.8	0.0	0.0	98	70	110	95	97
44		OA1408-1	4242.8	37.8	46.4	0.0	0.0	96	68	111	94	97
45		OA1409-1	4219.8	31.1	42.4	0.0	0.0	86	68	111	94	97
48		Dancer	4216.8	38.4	47.4	0.3	0.0	100	67	105	94	97
49		Leggett	4202.5	39.1	47.0	0.0	0.0	85	68	107	94	97
35		OA1399-2	4202.4	39.5	44.7	0.0	0.0	86	68	110	94	97
6		OA1384-6	4201.0	33.6	47.3	4.0	5.0	90	62	102	94	97
32		OA1397-3	4186.3	35.9	45.7	0.0	0.0	73	66	101	93	96
5		OA1384-5	4164.9	39.9	46.1	0.0	0.0	93	66	107	93	96
40		OA1404-1	4073.9	36.2	43.0	0.0	0.0	82	68	102	91	95
21		OA1391-1	4070.2	42.2	44.0	0.0	0.0	91	70	110	91	95
34		OA1399-1	4068.1	42.1	46.4	0.0	0.0	92	66	104	91	95
3		OA1384-3	4002.6	37.4	46.4	2.3	1.7	90	63	102	89	94
20		OA1390-1	3970.1	42.2	43.4	0.0	0.0	82	70	107	88	94
12		OA1386-3	3904.1	39.1	45.9	3.3	4.7	85	61	102	87	93
14		OA1386-5	3892.3	35.2	44.4	0.0	0.0	98	63	104	87	93
25		OA1392-3	3886.5	37.5	44.2	0.0	0.0	82	69	110	87	93
18		OA1388-1	3846.9	39.0	42.0	0.0	0.0	94	70	112	86	92
16		OA1386-7	3843.5	39.0	46.0	2.7	0.0	81	61	102	86	92
13		OA1386-4	3817.3	37.1	44.4	0.0	0.0	78	63	102	85	92
23		OA1392-1	3764.4	41.0	42.2	0.0	0.0	86	69	107	84	92
41		OA1405-1	3763.9	36.2	42.4	0.0	0.0	94	69	111	84	92
10		OA1386-1	3637.6	33.2	44.9	0.0	0.0	93	65	104	81	90
46		Bradley	3487.4	40.0	43.5	0.0	0.0	92	66	107	78	88

Average 4493.0 37.1 44.9 0.6 0.3 89.3 67.0 106.2
 LSD 873.5 2.9 1.1
 CV 12.5% 4.8% 1.5%

SE	563.4172
SD	408.0597
H	0.52

New Liskeard Quaker G x E Oat 2013
 New Liskeard Agricultural Research Station
 (NLQGxE13)

Seeded: 7-May-13
 Fertilization: 55N kg/ha
 Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index	Harv
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Grain
2		AC Morgan [C]	4773.3	43.3	46.8	0	82	69	107	113	111
17		OA1306-1	4759.4	43.0	46.7	0	87	71	112	113	111
15		OT3076	4635.5	41.5	46.2	0	80	66	107	110	109
18		OA1331-5	4580.6	39.7	42.8	0	77	71	105	109	107
5		CDC Orrin	4524.2	42.5	47.4	0	80	69	111	108	106
9		OT3066	4425.6	43.4	46.0	0	81	67	107	105	104
13		OT3071	4373.4	42.9	44.2	0	83	69	111	104	103
19		HY174-OA	4195.1	42.4	47.9	0	87	65	107	100	100
20		Stride	4160.4	36.9	48.9	0	82	70	110	99	99
8		Dieter [C]	4145.1	42.7	45.7	0	84	68	102	99	99
12		Bradley	4133.3	42.0	44.7	0	84	67	111	98	99
4		Souris [C]	4105.5	36.8	47.1	4	69	67	99	98	98
3		Leggett [C]	4096.1	39.7	47.6	0	72	69	107	97	98
10		OT3067	4060.9	42.2	47.0	0	73	66	102	97	97
11		OT3068	4054.7	41.5	45.3	0	85	70	112	96	97
14		OT3072	4049.8	38.8	44.6	0	79	69	107	96	97
21		CDC Morrison	4033.9	38.9	46.3	0	70	67	101	96	97
16		OA1225-2	3984.4	40.3	46.7	0	76	67	109	95	96
6		CDC Seabiscuit	3863.1	45.8	45.0	0	76	69	109	92	93
1		CDC Dancer [C]	3804.8	40.0	47.8	0	82	67	110	90	92
7		BetaGene	3613.6	43.0	45.3	0	67	65	102	86	88

Average 4208.2 41.3 46.2 0.2 79 68 107
 LSD (0.05) 413.649
 C.V. 5.96%

	Grain
SE	250.8102
SD	311.4632
Harv	0.84

New Liskeard Sevita Soybeans (Exp #19) 2013

New Liskeard Agricultural Research Station

(NLS19-13)

Seeded: 17-May-13

Fertilization: None

Herbicide: 2L/ha Basagran + 0.5L/ha Pursuit

Entry	Code	Variety	Grain Yield		100 Seed	Test Wt.	Lodging	Height	Index	Harv
			kg/ha	bu/ac	weight (g)	kg/hl	(1-5)	(cm)	Grain	Grain
29		OAC Petrel	3157.4	46.9	15.4	73.5	1	72	138	135
28		OT09-03	3147.3	46.8	18.7	73.1	1	74	137	134
4		HS09-117-3/1/1/1/1	2674.8	39.8	20.7	72.1	1	59	117	115
5		HS09-117-2/1/1/1/2	2587.1	38.5	20.3	71.4	1	66	113	112
8		HS09-117-5/1/1/1/24	2563.8	38.1	19.2	70.7	1	61	112	111
3		HS09-159-1/1/1/1/43	2502.4	37.2	19.4	72.1	1	64	109	108
24		HS09-133-2/1/1/1/9	2493.5	37.1	17.7	73.8	1	70	109	108
26		DH863	2481.8	36.9	21.0	72.9	1	67	108	108
7		HS09-117-2/1/1/1/7	2465.0	36.7	20.0	70.2	1	63	108	107
1		HS09-172-2/4/1/1/8	2449.2	36.4	18.9	71.2	1	65	107	106
6		HS09-117-2/1/1/1/6	2399.2	35.7	18.9	71.8	1	59	105	104
17		HS09-122-1/1/1/1/4	2376.6	35.3	19.9	72.3	1	65	104	103
16		HS09-122-1/1/1/1/22	2338.4	34.8	13.8	73.9	1	72	102	102
18		HS09-122-1/1/1/1/9	2336.3	34.7	19.8	72.0	1	66	102	102
27		Krios	2316.7	34.4	16.7	73.6	1	70	101	101
22		HS09-132-2/1/1/1/30	2246.8	33.4	19.8	72.4	1	73	98	98
2		HS09-144-4/1/1/1/7	2225.4	33.1	18.4	71.6	1	62	97	97
25		HS09-133-5/1/1/1/15	2218.8	33.0	16.8	72.0	1	67	97	97
9		HS09-122-2/1/1/1/7	2183.9	32.5	22.3	72.2	1	64	95	96
21		HS09-132-2/1/1/1/28	2183.2	32.5	20.8	72.5	1	68	95	96
15		HS09-159-2/1/1/1/22	2170.0	32.3	17.3	71.9	1	57	95	95
13		HS09-122-3/1/1/1/39	2107.9	31.3	21.2	72.0	1	65	92	93
23		HS09-132-2/1/1/1/2	2092.5	31.1	19.4	72.5	1	64	91	92
14		HS09-122-3/1/1/1/7	2007.5	29.9	20.9	71.7	1	60	88	89
11		HS09-122-2/1/1/1/13	1932.4	28.7	20.7	71.2	1	59	84	86
20		HS09-121-3/1/1/1/20	1902.9	28.3	15.2	72.7	1	59	83	84
10		HS09-122-3/1/1/1/5	1789.2	26.6	19.7	70.9	1	60	78	80
12		HS09-122-3/1/1/1/36	1766.4	26.3	19.8	72.1	1	57	77	79
19		HS09-121-5/1/1/1/29	1378.3	20.5	10.6	72.6	1	55	60	63
30		PSX12C41S					1	65		

Average 2292.9 34.1 18.7 72.2 1.0 64
LSD (0.05) 439.418
C.V. 9.36%

Grain
st error
stdev
Harv

214.6175
370.1512
0.92

New Liskeard Sevita Soybeans (Exp #36) 2013

New Liskeard Agricultural Research Station

(NLS36-13)

Seeded: 17-May-13

Fertilization: None

Herbicide: 2L/ha Basagran + 0.5L/ha Pursuit

Entry	Code	Variety	Grain Yield		100 Seed	Test Wt.	Lodging	Height	Index	Harv
			kg/ha	bu/ac	weight (g)	kg/hl	(1-5)	(cm)	Grain	Grain
9		SVX14N00S2	2614.6	38.9	9.3	72.4	1	63	108	102
5		HS07-07/1/1/1/1/28nattoc	2581.2	38.4	6.7	74.4	1	58	107	102
8		SVX14N0S4	2551.5	37.9	6.9	74.8	1	55	105	101
3		HS08-06-1/1/1/1/1/2c	2518.9	37.5	9.3	72.7	1	56	104	101
13		DH3604	2496.3	37.1	6.8	74.4	1	60	103	101
1		X5076-1-1-1-240-B	2482.9	36.9	6.8	74.3	1	65	103	101
15		Roselin	2414.1	36.2	7.6	74.0	1	57	100	100
7		SVX13N00S2	2411.0	35.9	8.6	75.3	1	66	100	100
11		AC Colombe	2404.5	35.8	7.6	75.2	1	57	99	100
2		X5076-1-1-1-245-B	2369.9	35.2	7.3	74.5	1	63	98	99
14		Loriot	2364.0	35.2	7.2	73.7	1	64	98	99
6		SVX13N00S1	2333.8	34.7	7.8	75.7	1	61	96	99
10		AC Colibri	2259.6	33.6	6.7	74.0	1	56	93	98
12		Chikala	2259.5	33.6	7.4	73.2	1	60	93	98
4		HS07-03/1/2/1/1/10nattoc	2239.7	33.3	6.8	74.8	1	52	93	98

Average 2420.1 36.0 7.5 74.2 1.0 59
 LSD (0.05) 446.096
 C.V. 8.53%

	Grain
st error	206.4341
stdev	118.9814
Harv	0.25

New Liskeard Sevita Soybeans (Exp #43) 2013

New Liskeard Agricultural Research Station

(NLS43-13)

Seeded: 17-May-13

Fertilization: None

Herbicide: 2L/ha Basagran + 0.5L/ha Pursuit

Entry	Code	Variety	Grain Yield		100 Seed	Test Wt.	Lodging	Height	Index	Harv
			kg/ha	bu/ac	weight (g)	kg/hl	(1-5)	(cm)	Grain	Grain
13		Misty	3450.0	51.3	15.6	73.5	1	78	124	121
14		OAC Petrel	3438.7	51.1	15.4	73.2	1	76	123	121
11		Inverness	3298.7	49.1	19.6	73.5	1	74	118	116
16		OT09-03	3256.4	48.4	17.1	73.2	1	72	117	115
2		HS07-20/1/1/1/1/20a	2982.6	44.4	18.6	72.7	1	76	107	106
19		Toma	2929.3	43.6	18.7	74.5	1	66	105	105
18		PSX12C52S	2897.1	43.1	17.8	73.6	1	72	104	104
17		PSX12C41S	2869.6	42.7	18.2	73.1	1	74	103	103
9		DH401	2863.1	42.6	17.1	73.1	1	70	103	102
5		HS08-142-2/2/1/1/1/1c	2776.7	41.3	12.7	72.0	1	76	100	100
10		DH863	2741.8	40.8	17.3	72.4	1	67	98	99
15		OAC Prudence	2732.0	40.6	17.6	73.3	1	74	98	98
4		HS09-43-2/1/1/1/1/2c	2724.0	40.5	21.4	72.3	1	74	98	98
20		Tundra	2580.3	38.4	17.3	73.1	1	67	93	94
3		HS09-43-1/1/1/1/1c	2566.7	38.2	21.2	71.6	1	79	92	93
1		HS08-16-2/1/1/1/1/1b	2507.1	37.3	16.9	71.8	1	63	90	91
12		Krios	2470.6	36.7	15.4	72.7	1	71	89	90
8		SVX14T00S3	2458.9	36.6	17.9	73.6	1	69	88	90
7		SVX14T00S1	2121.2	31.5	15.9	73.2	1	71	76	79
6		HS08-143-1/1/1/1/1/4c	2048.5	30.5	13.2	72.6	1	60	74	77

Average 2785.7 41.4 17.2 72.9 1.0 71
 LSD (0.05) 447.217
 C.V. 9.71%

	Grain
st error	270.4887
stdev	384.2201
Harv	0.88

New Liskeard Soybean Performance 2013

New Liskeard Agricultural Research Station

(NLSP13)

Seeded: 30-May-13

Fertilization: none

Herbicide: 2L/ha Basagran + 0.5L/ha Pursuit

Entry	Code	Variety	Grain		100 Seed	Test Wt.	Lodging	Height	Index	Harv
			kg/ha	bu/ac	weight (g)	kg/hl	(0-9)	(cm)	Grain	Grain
4		26-10	2890.0	43.0	11.5	72.6	0	58	125	121
3		25-10	2889.8	43.0	15.4	72.3	0	71	125	121
1		23-10	2881.6	42.8	19.0	72.2	0	60	125	121
8		RR Richer	2613.3	38.9	13.7	72.1	0	65	113	111
2		24-61	2590.5	38.5	15.9	71.6	0	62	112	110
10		Niverville RR2Y	2437.2	36.2	12.6	72.3	0	58	105	105
6		Osbourne RR2Y	2404.6	35.8	15.8	72.7	0	64	104	103
7		HS 006 RYS 24	2348.4	34.9	16.1	72.1	0	60	101	101
5		26-12	2269.7	33.8	12.7	72.3	0	62	98	98
13		900-Y-71	2168.3	32.2	15.2	71.2	0	53	94	95
12		Ellie RR2Y	2091.8	31.1	15.0	72.1	0	56	90	92
11		900-Y-61	2075.5	30.9	16.1	71.9	0	55	90	91
14		900-Y-81	2045.5	30.4	14.9	72.4	0	56	88	90
9		00703	1839.0	27.3	13.6	72.2	0	56	79	82
15		HSO5RYS25	1830.8	27.2	11.9	72.4	0	56	79	82
16		HSO5RY12	1650.5	24.5	11.5	72.3	0	59	71	75

Average	2314.2	34.4	14.4	72.2	0.0	59
LSD (0.05)	417.766					
C.V.	12.68%					

Grain dried to < 10% moisture before yield measurement

SE
SD
Harv

Grain
293.4351
389.6096
0.86

New Liskeard Spring Wheat Orthogonal 2013

New Liskeard Agricultural Research Station

(NLSWO13)

Seeded: 2-May-13

Fertilization: 70 N kg/ha

Herbicide: 1.25 Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index	Harv Adj
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Grain
13		DASN0034	4963.3	39.1	73.5	0	92	63	110	120	116
3		HY162-HRF	4941.5	42.2	71.7	0	83	61	110	120	116
6		ACS11614	4900.8	38.4	75.8	0	78	66	110	119	115
18		CFB1309*	4587.7	35.8	76.2	0	77	64	110	111	109
24		AW 765	4571.9	39.5	75.0	0	97	70	111	111	109
7		ACS12642	4553.6	35.6	73.7	0	77	67	110	111	108
20		CFB1315*	4486.1	35.2	76.3	0	77	63	110	109	107
25		AW 769	4341.2	37.8	74.6	0	96	69	111	105	104
5		CM9019	4313.9	36.5	74.6	0	71	68	110	105	104
11		DASN0017	4275.1	42.1	72.3	0	86	61	110	104	103
17		CFB1304	4176.9	33.8	74.6	0	75	62	110	101	101
19		CFB1310	4148.2	37.6	73.7	0	70	67	110	101	101
22		CRGB-08C.159	4144.8	37.1	75.6	0	97	67	110	101	100
21		CRGB-08C.153	4117.9	33.9	79.9	0	94	67	110	100	100
2		Norwell	4042.8	36.3	75.1	0	88	63	110	98	99
27		AW 775	4027.7	39.3	75.3	0	94	63	110	98	98
4		ACS10604	3986.5	35.7	74.4	0	73	63	110	97	97
26		AW 774	3971.0	37.6	75.4	0	89	64	110	96	97
16		CFB1302*	3961.0	37.4	75.7	0	80	60	110	96	97
9		CM20809	3950.2	35.1	72.6	0	71	68	112	96	97
8		CM1442	3914.8	37.5	73.3	0	70	70	112	95	96
14		DASN0042	3887.3	37.4	71.6	0	85	70	111	94	96
28		QB(2)-126-15	3862.2	39.4	75.6	0	94	64	110	94	95
29		07BS2986	3764.8	40.0	75.3	0	95	66	110	91	93
30		08BA225	3751.4	39.7	75.3	0	102	64	110	91	93
23		AW 759	3710.3	35.5	72.1	0	96	69	110	90	92
12		DASN0026	3683.2	40.9	73.8	0	101	62	110	89	92
10		DASN0004	3671.4	40.7	74.6	0	72	62	110	89	92
15		CFB1301*	3563.9	37.2	75.4	0	82	61	110	87	90
1		AC Carberry	3301.7	36.5	75.3	0	72	62	110	80	85

Average 4119.1 37.7 74.6 0.0 84 65 110
 LSD (0.05) 546.446
 C.V. 9.44%

*treated seeds

Grain
388.8442
412.2214
0.78

Verner OCCC Barley Performance 2013
 New Liskeard Agricultural Research Station
 (VBPT13)

Seeded: 14-May-13
 Fertilization: 70 N kg/ha
 Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	Straw	1000 Seed	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index		Harv Adjusted	
			kg/ha	kg/ha	weight (g)	kg/hl	(0-9)	(cm)			Grain	Straw	Grain	Straw
1	1001	AC Kings	4318.4	5102.8	46.2	58.9	5	80	56	91	97	112	97	108
2	1009	Bornholm	4898.1	4028.5	45.7	63.3	5	68	56	89	110	88	108	92
3	1034	OAC Ripley	3866.6	4565.7	40.3	57.3	5	76	54	94	87	100	89	100
4	1037	Dignity	4096.6	3849.5	41.4	55.3	5	78	56	92	92	84	93	89
5	1038	HY 481-6R	5051.2	3760.0	37.4	55.7	6	67	51	91	113	82	111	87
6	1043	SYNABELLE	4662.5	3401.9	42.7	56.0	7	80	52	91	105	75	104	82
7	1049	OCEANIK	3647.0	4565.7	38.9	53.4	3	83	55	94	82	100	85	100
8	1052	OAC Laverne	4603.8	4028.5	41.4	60.5	6	80	51	91	103	88	103	92
9	1056	Harmony	3980.0	5908.5	43.2	56.0	4	96	57	94	89	129	91	121
10	1057	Synasolis	4673.2	4834.2	39.0	54.6	4	74	58	94	105	106	104	104
11	1059	Amberly	5036.5	5998.0	45.1	56.0	6	85	58	94	113	131	111	122
12	1064	HY 101-6R	4755.3	3222.8	40.5	55.5	7	66	52	90	107	71	106	79
13	1069	Alliance	4323.1	4207.6	39.7	57.5	7	81	51	90	97	92	97	94
14	1071	HY 460-6R	4938.7	5102.8	43.3	58.4	3	69	52	94	111	112	109	108
15	1072	Pandora	4541.0	4028.5	48.2	60.4	7	69	56	94	102	88	102	92
16	1080	HY 621-6R	4713.7	3580.9	44.2	56.9	7	80	51	90	106	78	105	85
17	1084	Conestogo	4410.9	3401.9	45.7	59.5	5	72	55	87	99	75	99	82
18	1092	Bentley	4191.0	5013.3	45.8	56.3	3	81	57	91	94	110	95	107
19	1094	GB092001	3728.3	3849.5	55.1	57.1	5	65	54	89	84	84	86	89
20	1097	GB096001	4999.6	4923.8	47.3	59.5	5	71	51	90	112	108	110	106
21	1098	GB096002	4581.8	5192.3	42.1	57.2	6	73	51	94	103	114	102	110
22	1104	OS08-321	4569.6	5460.9	42.2	58.1	3	76	58	95	102	120	102	114
23	1105	GB106006	4489.0	4834.2	43.8	57.1	8	76	51	96	101	106	101	104
24	1106	GB106009	3553.0	4041.1	37.2	54.6	4	83	57	94	80	89	83	92
25	1107	OB 5447-8	4531.8	5819.0	41.3	54.0	6	82	54	92	102	127	101	120
26	1108	Chambly	4753.8	5998.0	44.4	56.5	5	78	56	94	107	131	106	122

Average 4458.2 4566.2 43.2 57.1 5.2 76 54 92
 LSD (0.05) 489.390 1283.239
 C.V. 7.79% 19.95%
 Prob (0.05) 0.0000 0.0000

*Straw Yield adjusted to 15% moisture

	Grain	Straw
SE	347.2975	910.9485
SD	430.1442	851.9922
H	0.84	0.71

Verner OCCC Oat Performance 2013
 New Liskeard Agricultural Research Station
 (VOPT13)

Seeded: 14-May-13
 Fertilization: 55 N kg/ha
 Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	Straw	1000 Seed	Test Wt.	Lodging	BYDV	Height	Days to	Days to	Index		Harv Adjusted	
			kg/ha	kg/ha	weight (g)	kg/hl	(0-9)	(0-9)	(cm)	Head	Mature	Grain	Straw	Grain	Straw
1	3005	OAC Markdale	3426.9	6666.7	33.9	42.4	5.3	2.8	89	58	107	111	120	107	118
2	3006	Alcyon	2960.3	5320.5	30.6	39.9	6.0	2.8	86	57	107	96	96	97	96
3	3008	Prescott	3160.7	3525.7	32.0	42.9	5.3	4.0	81	51	107	102	64	101	68
4	3015	Robust	3415.7	3333.4	32.4	47.4	4.8	1.5	88	56	107	110	60	107	65
5	3019	Canmore	2361.9	5128.2	36.2	44.6	3.3	4.5	93	59	107	76	92	85	93
6	3025	RC Amaze	4094.5	2948.7	32.6	43.6	6.5	0.5	83	51	107	132	53	120	59
7	3026	Synextra	2351.3	7307.7	34.3	45.8	3.0	6.0	96	58	107	76	132	85	128
8	3028	Navaro	2605.5	5577.0	29.3	55.9	0.3	3.0	83	62	107	84	100	90	100
9	3031	Dieter	3413.2	7179.5	38.1	44.1	4.3	3.0	90	62	107	110	129	106	126
10	3032	Avatar	3544.5	5512.9	32.1	44.8	3.8	2.8	93	58	107	115	99	109	99
11	3033	Oscar	2997.8	3910.3	33.1	42.2	6.0	2.0	80	52	107	97	70	98	74
12	3034	HY 174-OA	3417.1	5128.2	37.4	44.8	4.0	1.3	88	52	107	110	92	107	93
13	3037	Optimum	3745.4	6153.9	29.9	43.8	1.0	1.8	85	62	107	121	111	113	110
14	3038	Hidalgo	3166.7	6153.9	33.9	43.6	1.8	1.0	89	60	107	102	111	101	110
15	3039	Vitality	3840.0	4935.9	41.2	43.6	4.8	1.8	96	58	107	124	89	115	90
16	3043	Bradley	3024.3	5128.2	37.0	42.4	1.8	1.0	84	57	107	98	92	99	93
17	3044	CANTAL	2117.8	5192.3	32.3	44.0	6.8	2.8	93	58	107	68	94	80	94
18	3046	AAC Bullet	3489.2	7435.9	36.2	40.2	2.0	2.8	84	60	107	113	134	108	130
19	3047	IDAHO	2093.5	7820.6	28.8	58.5	2.8	3.5	90	62	107	68	141	80	136
20	3049	AAC Roskens	3424.9	3589.8	31.2	42.4	6.5	2.5	81	59	107	111	65	107	69
21	3051	Nice	4370.7	5705.2	37.4	43.3	5.0	4.0	92	58	107	141	103	126	102
22	3054	Riley	2659.3	4487.2	31.5	41.5	7.5	0.5	85	58	107	86	81	91	83
23	3055	OA1286-1	2576.0	4551.3	33.3	44.5	6.3	1.8	88	60	107	83	82	90	84
24	3056	CFA1317	2425.4	6153.9	30.5	43.2	5.0	0.5	85	58	107	78	111	86	110
25	3058	OA1306-1	2291.7	9038.5	36.7	42.6	4.3	1.8	100	66	107	74	163	84	155
26	3059	OA1285-1	3470.6	6410.3	35.8	43.3	2.0	3.3	86	60	107	112	116	108	114

Average 3094.0 5549.8 33.8 44.4 4.2 2.4 88 58 107
 LSD (0.05) 1064.4 1462.1
 C.V. 24.40% 18.70%

	Grain	Straw
SE	754.9455	1037.8191
SD	616.8584	1486.7650
H	0.63	0.88

Verner OCCC Spring Wheat Performance 2013

New Liskeard Agricultural Research Station

(VSWPT13)

Seeded: 14-May-13

Fertilization: 70 N kg/ha (34-0-0)

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	Straw	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index		Harv Adjusted	
			kg/ha	kg/ha	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Straw	Grain	Straw
8	5030	Furano	6296.4	5000.0	37.7	75.1	0	98	57	107	119	118	114	116
21	5066	CM9004	6042.4	5431.1	33.6	73.9	0	80	57	107	115	128	110	125
6	5025	HY 017-HRS	5929.9	4310.4	33.3	73.5	0	77	55	107	113	102	109	101
5	5024	HY 124-HRS	5860.9	5948.3	40.6	72.4	0	87	54	107	111	140	108	135
7	5028	HY 162-HRF	5814.3	3103.5	38.9	69.2	0	83	51	107	110	73	107	77
1	5009	Norwell	5611.2	4061.2	34.2	73.4	0	92	51	107	106	96	105	96
13	5042	AW625	5486.5	4569.0	35.7	70.0	0	103	54	107	104	108	103	107
3	5014	Orleans	5391.3	3448.3	35.5	72.2	0	99	54	107	102	81	102	84
9	5031	MAJOR	5306.3	5948.3	35.2	74.4	0	104	57	107	101	140	100	135
2	5010	Sable	5283.3	3448.3	33.6	72.6	0	78	51	107	100	81	100	84
24	0	Filler-Wilkin	5251.1	4482.8	35.0	71.4	0	84	52	107	100	106	100	105
12	5041	Wilkin	5247.1	4913.8	32.7	70.1	0	82	54	107	100	116	100	114
19	5063	BA83-EC-8	5240.1	5086.2	35.7	71.7	0	100	54	107	99	120	100	118
15	5053	Carberry	5238.5	4569.0	34.2	72.2	0	83	51	107	99	108	100	107
22	5067	AW725	5077.6	4051.7	33.1	71.9	0	96	55	107	96	96	97	96
16	5054	MAGOG	5056.3	3275.9	35.3	71.9	0	97	54	107	96	77	97	80
4	5019	Megantic	5034.8	3793.1	37.1	73.3	0	104	51	107	96	89	97	91
14	5043	KINGSEY	4954.8	4396.6	37.7	73.9	0	102	56	107	94	104	96	103
17	5055	TOPAZE	4896.4	3793.1	31.7	72.0	0	97	59	107	93	89	95	91
18	5062	AW687	4894.1	3620.7	32.2	70.2	0	93	55	107	93	85	95	87
23	5060	Kleos	4796.0	3362.1	37.6	70.8	0	100	51	107	91	79	94	82
10	5032	RICHELIEU	4766.4	4051.7	32.4	70.3	0	102	54	107	90	96	93	96
11	5037	Fuzion	4560.1	3879.3	32.9	71.5	0	103	56	107	87	92	90	93
20	5065	BW932	4446.4	3189.7	37.5	74.2	0	76	56	107	84	75	89	78

Average 5270.1 4238.9 35.1 72.2 0.0 92 54 107
 LSD (0.05) 708.1 816.8
 C.V. 9.52% 13.66%

	Grain	Straw
SE	501.7123	579.0372
SD	470.5317	825.4776
H	0.72	0.88

Verner OOPSCC (SCCT) Canola Performance 2013

New Liskeard Agricultural Research Station

(VSCCT13)

Seeded: 14-May-13

Fertilization: 100 N kg/ha (34-0-0) + 52 P kg/ha (8-32-16)

Herbicide: 0.5 L/ha Poast Ultra M + 1 L/ha Merge

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index		Harv
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)			Grain	Straw	Grain
12		1CN0181	592.7	2.7	65.1	0	94			136		131
8		45H31	563.2	3.3	64.8	0	95			129		125
3		5440	541.6	3.0	65.0	0	96			124		121
5	*	73-75RR	517.7	3.0	63.1	0	93			119		116
4		45H29	504.3	3.2	64.4	0	95			116		114
6		Canterra 1990	462.1	3.1	63.6	0	100			106		105
10		45S54	455.9	3.2	65.3	0	91			104		104
2		L150	401.0	2.5	62.6	0	93			92		93
1		45H28	400.5	2.6	65.5	0	98			92		93
7		L130	391.2	2.9	64.4	0	96			90		91
11		74-44BL	384.2	2.8	65.0	0	84			88		90
13		1CN0053	241.0	2.7	63.3	0	90			55		61
9		46H75	217.5	2.8	62.4	0	85			50		56

Average 436.4 2.9 64.2 0.0 93
 LSD (0.05) 116.960
 C.V. 18.67%

* plot with one estimated value

	Grain
SE	81.4713
SD	114.4539
H	0.87

Verner Soybean Performance 2013
 New Liskeard Agricultural Research Station
 (VSP13)

Seeded: 14-May-13
 Fertilization: 200 kg/ha (8-32-16) with seed
 Herbicide: 2 L/ha Roundup

Entry	Code	Variety	Grain Yield		100 Seed	Test Wt.	Lodging	Height	Index	Harv
			kg/ha	bu/ac	weight (g)	kg/hl	(0-9)	(cm)	Grain	Grain
3		25-10	3231.4	48.0	14.5	72.2	0	76	116	115
4		26-10	3026.7	45.0	11.5	71.7	0	68	109	108
2		24-61	2850.0	42.4	15.8	72.1	0	67	102	102
1		23-10	2478.8	36.9	15.7	71.3	0	60	89	90
5		26-12	2321.7	34.5	11.7	72.6	0	67	83	84

Average 2781.7 41.4 13.8 72.0 0.0 68
 LSD (0.05) 238.465
 C.V. 5.56%

	Grain
SE	154.6632
SD	377.5701
Harv	0.96

Grain dried to < 10% moisture before yield measurement