



New Liskeard Agricultural Research Station Crop Trials 2015

Summary of Results

2R Barley Orthogonal
6R Barley Orthogonal
N Rate on Barley
OCCC Barley Performance
OCCC Spring Wheat
N Rate on Spring Wheat
Spring Wheat Orthogonal
Spring Wheat Screening (C&M Seeds)
Spring Wheat Screening (Secan)
Spring Wheat Screening (DAS)
OCCC Winter Wheat Performance
OCCC Oat Performance
N Rate on Oat
Covered Oat
Ottawa Oat
Quaker
Corn Variety Evaluation

New Liskeard 2R Barley Orthogonal 2015
 New Liskeard Agricultural Research Station
 (NL2RBO15)

Seeded: 1-May-15
 Fertilization: 70N kg/ha
 Herbicide: 1.25L/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
1	Check	Bornholm	7084.6	54.1	70.4	0.3	89	65	95	109	106
2	Check	HY435-2R	6680.1	53.0	68.3	0.5	98	65	95	103	102
3		CH2714-4	6868.1	59.8	68.3	0.0	106	66	95	106	104
4		CH2720-1	6903.5	62.3	70.0	0.0	103	64	95	106	104
5		CH2720-5	7053.2	60.4	67.4	0.5	100	65	96	109	105
6		T569-044	6687.1	53.7	67.6	0.8	92	65	95	103	102
7		T574-045	6373.5	56.9	68.5	1.8	101	64	95	98	99
8		OAC 15-2R-01	5417.6	63.4	68.8	0.0	89	64	95	84	90
9		OAC 15-2R-02	5791.0	63.1	68.1	0.3	91	65	95	89	93
10		CM14-B401	5882.2	58.4	64.8	0.3	90	69	103	91	94
11		CM15-B098	6049.4	56.2	65.7	2.8	77	66	100	93	96
12		CM15-B099	7050.6	57.3	67.5	1.5	85	65	95	109	105

Average	6486.7	58.2	68.0	0.7	93	65	96
LSD (0.05)	1016.682						
C.V.	10.89%						

	Grain
SE	706.4057
SD	571.2486
H	0.62

New Liskeard 6R Barley Orthogonal 2015
 New Liskeard Agricultural Research Station
 (NL6RBO15)

Seeded: 1-May-15
 Fertilization: 70N kg/ha
 Herbicide: 1.25L/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
1	Check	HY101-6R	8060.2	53.5	65.8	0.0	84	65	97	124	119
2	Check	HY621-6R	6234.8	56.3	64.9	1.0	103	62	97	96	97
3		HS5615-8	6320.9	55.5	64.2	0.0	116	66	100	98	98
4		HS5623-32	6412.5	55.5	63.7	1.0	114	68	103	99	99
5		HS5617-168	6609.3	56.9	62.5	1.8	108	70	104	102	102
6		HS5615-13	5378.8	56.5	65.1	1.8	118	67	103	83	87
7		HS5607-35	6927.8	55.5	64.7	0.0	109	68	105	107	105
8		HS5615-21	5992.6	52.7	60.0	1.3	112	65	104	92	94
9		HS5622-42	5936.7	56.1	65.7	0.3	114	71	105	92	93
10		C785-003	6839.0	51.7	65.5	0.0	95	64	95	106	104
11		C812-026	6798.1	51.3	64.7	2.5	102	68	102	105	104
12		C814-030	7309.8	43.8	65.2	3.3	88	65	96	113	110
13		OAC 15-6R-01	6144.0	48.7	65.7	0.0	95	65	99	95	96
14		OAC 15-6R-02	5770.6	44.6	62.8	3.3	101	62	100	89	91

Average 6481.1 52.8 64.3 1.1 104 66 101
 LSD (0.05) 891.599
 C.V. 9.62%

	Grain
SE	623.4801
SD	684.1360
H	0.79

New Liskeard N Rate on Barley (Managed) 2015

New Liskeard Agricultural Research Station

(NLNRBM15)

Seeded: 8-May-15

Fertilization: 0,60,90,60+60,45+45ESN,60+60ESN,150,100+50ESN,150+GR

Herbicide: 1.25 L/ha Logic M

Treatment	Yield	Kernel Wt	Test Wt.	Protein	Height	Heading	Maturity
	kg/ha	g/1000	kg/hl	%	cm	Days	Days
Reps							
1	5339.5	48.1	62.2	11.3	101	58	93
2	5475.6	48.1	62.5	11.2	98	58	93
3	5343.2	48.3	62.1	11.2	99	58	93
4	5593.6	48.0	62.0	11.3	101	58	93
N-Rate							
1 0N	3203.9	46.1	60.4	9.9	84	58	94
2 60N	4699.4	48.2	61.2	10.0	98	58	92
3 90N	5528.3	47.9	61.5	10.6	102	58	92
4 120N	5990.8	47.4	62.0	11.1	106	58	92
5 60N+60N@Z31-Z32	5010.2	50.7	63.7	13.1	100	58	97
6 45Urea+45ESN	5157.4	48.6	62.2	10.8	98	58	93
7 60Urea+60ESN	5656.5	49.1	62.5	11.2	102	58	93
8 150N	6382.1	47.5	62.4	11.9	104	58	92
9 100Urea+50ESN	6471.7	48.0	63.2	12.5	101	58	93
10 150N+GR	6279.4	47.6	62.8	11.7	105	58	92
Fungicide							
None	5036.3	47.6	61.7	11.2	100	58	93
Fungicide	5839.6	48.6	62.7	11.3	100	58	93
N-Rate x Fungicide							
1 0N x none	2661.3	45.1	59.7	10.1	78	58	94
1 0N x Fungicide	3746.5	47.1	61.1	9.7	89	58	94
2 60N x none	4343.9	47.7	60.8	9.8	98	58	92
2 60N x Fungicide	5054.9	48.8	61.7	10.1	99	58	92
3 90N x none	5031.2	47.6	61.0	10.6	103	58	92
3 90N x Fungicide	6025.3	48.3	62.0	10.6	101	58	92
4 120N x none	5609.0	47.4	61.6	11.0	105	58	92
4 120N x fungicide	6372.7	47.5	62.3	11.3	106	58	92
5 60N+60N@Z31-Z32 x none	4819.9	50.1	62.8	13.2	102	58	97
5 60N+60N@Z31-Z33 x Fungicide	5200.5	51.3	64.6	13.0	99	58	97
6 45Urea+45ESN x none	4868.9	48.1	61.8	10.8	98	58	92
6 45Urea+45ESN x Fungicide	5445.9	49.1	62.5	10.9	99	58	94
7 60Urea+60ESN x none	5324.3	48.8	62.2	11.1	103	58	93
7 60Urea+60ESN x Fungicide	5988.7	49.4	62.8	11.3	102	58	93

New Liskeard N Rate on Barley (Managed) 2015

New Liskeard Agricultural Research Station

(NLNRBM15)

8	150N x none	5904.0	47.6	62.1	11.6	106	58	92
8	150N x Fungicide	6860.3	47.4	62.7	12.1	103	58	92
9	100Urea+50ESN x none	5974.2	46.9	62.8	12.6	101	58	93
9	100Urea+50ESN x Fungicide	6969.2	49.2	63.6	12.4	101	58	93
10	150N+GR x none	5826.7	47.3	62.5	11.6	105	58	92
10	150N+GR x Fungicide	6732.2	48.0	63.2	11.9	105	58	92

Grand Means	5438.0	48.1	62.2	11.3
Coefficient of Variation (%)	10.0%	2.0%	1.0%	3.1%

Probabilities

N-Rate (A)	0.0000	0.0000	0.0000	0.0000
Fungicide(B)	0.0000	0.0001	0.0000	0.3222
N-Rate X Fungicide (AB)	nil	0.3338	nil	0.2381

New Liskeard OCCC Barley Performance 2015

New Liskeard Agricultural Research Station

(NLBPT15)

Seeded: 1-May-15

Fertilization: 70N kg/ha

Herbicide: 1.25L/ha Logic M

Fungicide: 0.5L/ha Twinline

Entry	Code	Variety	Grain	Straw	1000 Seed	Test Wt.	Protein	Lodging	Height	Days to Head	Days to Mature	Index	
			kg/ha	kg/ha	weight (g)	kg/hl	%	(0-9)	(cm)			Grain	Straw
1	1110	HS5455-1	6270.7	5910.2	45.6	64.3	12.3	2.0	115	67	105	95	94
2	1111	HS5606-11	6789.7	6696.4	46.9	64.1	11.7	1.0	113	66	104	103	106
3	1069	Alliance	6460.7	6052.1	46.6	65.2	14.3	0.0	106	64	101	98	96
4	1113	AAC Purpose	5605.2	9334.7	60.6	66.4	14.0	2.3	107	65	100	85	148
5	1082	Alyssa	7242.6	7546.1	45.9	65.4	12.8	2.3	105	68	104	110	120
6	1101	Boroe	7070.5	6013.3	47.4	65.0	12.7	0.0	110	61	98	107	96
7	1117	UL188	6724.9	7005.7	50.6	64.6	12.9	1.3	110	65	103	102	111
8	1009	Bornholm	6873.1	6487.3	49.4	70.5	14.2	1.8	92	66	95	104	103
9	1038	HY 481-6R	7214.3	4245.0	45.5	64.7	12.4	2.8	97	60	98	109	67
10	1080	HY 621-6R	6414.4	4428.0	51.7	64.9	13.6	1.0	107	62	100	97	70
11	1115	HYEXPT-6R	5445.7	5582.0	52.4	61.1	13.6	0.3	105	64	103	82	89
12	1059	Amberly	6847.9	6322.1	51.2	66.2	12.4	0.5	114	60	104	104	101
13	1093	AAC Mirabel	6560.8	6028.6	47.5	63.4	12.9	3.3	105	66	100	99	96
14	1118	HS 5626-39	7114.7	6553.0	50.1	64.0	12.5	1.8	113	62	104	108	104
15	1108	Chambly	6425.3	5594.7	49.4	64.7	13.1	0.3	107	64	104	97	89
16	1116	Bastile	5819.0	5990.1	44.5	74.5	12.8	3.3	109	71	100	88	95
17	1056	Harmony	6021.7	7622.2	50.1	65.8	13.9	0.5	121	65	104	91	121
18	1104	Masky	7037.4	6689.9	44.9	65.8	13.4	2.3	105	65	101	107	106
19	1049	OCEANIK	6865.0	7063.6	48.5	65.0	13.1	2.0	112	66	104	104	112
20	1043	SYNABELLE	7023.9	4485.8	47.7	65.6	13.3	1.3	109	64	101	106	71
21	1057	Synasolis	6927.3	6414.7	44.2	64.8	12.6	0.3	105	67	103	105	102

Average	6607.4	6288.8	48.6	65.5	13.1	1.4	108	65	102
LSD (0.05)	735.797	1277.504							
C.V.	7.87%	14.36%							

SE
SD
H

Harv Adjusted	
Grain	Straw
96	95
102	105
98	97
89	141
107	117
105	96
101	110
103	103
107	72
98	75
87	90
103	100
99	96
106	104
98	91
91	96
93	118
105	105
103	110
105	76
104	102

Grain	Straw
520.0010	903.0788
523.0749	1151.2567
0.75	0.85

New Liskeard OCCC Spring Wheat (Managed) 2015

New Liskeard Agricultural Research Station

(NLSWPTM15)

Seeded: 2-May-15

Fertilization: 70N kg/ha

Herbicide: 1.25L/ha Logic M

Fungicide: 0.5L/ha Twinline

Entry	Fung	Variety	Grain	Straw	1000 Seed	Test Wt.	Protein	Lodging	Height	Days to Head	Days to Mature	Index	
			kg/ha	kg/ha	weight (g)	kg/hl	%	(0-9)	(cm)			Grain	Straw
1	0	AW774	5819.2	6167.1	47.4	79.9	13.1	0	117	63	105	97	92
1	1	AW774	6072.9	6299.8	49.0	79.9	12.9	0	117	63	105	101	94
2	0	QB(2)-126-15	5798.3	6233.5	48.5	78.8	14.0	0	116	61	105	96	93
2	1	QB(2)-126-15	6134.7	6100.8	48.1	78.8	13.9	0	116	61	105	102	91
3	0	AW725	5813.7	6830.3	49.1	79.5	12.4	0	123	67	106	96	102
3	1	AW725	6675.9	7559.7	49.0	79.2	12.5	0	124	67	106	111	113
4	0	CM9004	5874.9	7626.0	45.6	77.7	12.8	0	90	69	108	97	114
4	1	CM9004	6553.5	7095.5	46.7	78.1	12.6	0	91	69	108	109	106
5	0	Furano	5195.6	8554.4	48.0	78.2	14.2	0	117	69	109	86	128
5	1	Furano	5802.2	8090.2	50.1	78.5	13.8	0	113	69	109	96	121
6	0	Norwell	6086.2	6233.5	45.8	79.5	14.1	0	115	62	104	101	93
6	1	Norwell	6440.0	6697.7	45.9	79.6	13.7	0	112	62	104	107	100
7	0	Sable	5865.4	7161.8	46.0	78.1	14.3	0	96	64	108	97	107
7	1	Sable	6363.1	7161.8	46.3	78.6	14.1	0	96	64	108	106	107
8	0	Wilkin	6091.3	6299.8	44.1	74.4	12.8	0	94	62	104	101	94
8	1	Wilkin	6386.0	6896.6	43.3	76.6	12.9	0	92	62	104	106	103
9	0	Hoffman	6582.3	5901.9	52.5	78.8	11.1	0	124	64	105	109	88
9	1	Hoffman	7215.1	6299.8	53.0	78.8	11.2	0	121	64	105	120	94
10	0	SS Blomidon	6578.9	6498.7	51.8	77.1	13.7	0	109	67	107	109	97
10	1	SS Blomidon	6867.3	5504.0	51.9	76.9	13.1	0	102	67	107	114	82
11	0	Touran	5961.7	6299.8	52.8	79.3	13.3	0	116	61	104	99	94
11	1	Touran	6335.6	6233.5	53.7	79.2	13.2	0	115	61	104	105	93
12	0	Vikki	5157.0	7515.5	47.8	61.2	11.0	0	106	66	116	86	112
12	1	Vikki	6166.3	7460.3	49.6	62.7	10.5	0	107	66	116	102	111
13	0	HY 124-HRS	5602.0	7692.4	50.6	76.8	13.7	0	92	65	107	93	115
13	1	HY 124-HRS	5991.1	7825.0	51.5	76.9	13.9	0	89	65	107	99	117
14	0	HYEXPT-SW	6201.7	5504.0	51.1	77.4	14.0	0	105	60	104	103	82
14	1	HYEXPT-SW	6497.3	5570.3	50.5	76.5	14.1	0	104	60	104	108	83
15	0	AAC Scotia	5467.3	5636.6	52.6	79.0	12.2	0	125	66	105	91	84
15	1	AAC Scotia	6288.0	5703.0	52.7	79.1	12.2	0	124	66	105	104	85
16	0	Bangor	5974.7	7360.8	49.2	77.5	12.1	0	126	67	107	99	110
16	1	Bangor	6696.9	8090.2	47.5	77.3	12.4	0	124	67	107	111	121
17	0	KINGSEY	5452.4	6830.3	53.6	80.5	12.7	0	124	64	106	90	102
17	1	KINGSEY	5820.5	7825.0	53.3	80.6	13.1	0	121	64	106	97	117
18	0	MAGOG	5677.7	5835.6	49.8	79.0	13.8	0	121	62	104	94	87
18	1	MAGOG	6038.6	5901.9	51.0	79.0	13.4	0	117	62	104	100	88
19	0	Moka	5429.4	5769.3	52.9	79.9	14.0	0	122	64	104	90	86

New Liskeard OCCC Spring Wheat (Managed) 2015

New Liskeard Agricultural Research Station

(NLSWPTM15)

19	1	Moka	6179.0	5437.7	52.6	79.9	13.1	0	119	64	104	103	81
20	0	Carberry	5568.2	5504.0	45.3	78.8	14.3	0	96	61	106	92	82
20	1	Carberry	5968.8	5703.0	47.7	78.4	14.0	0	94	61	106	99	85
21	0	Orleans	5845.8	5835.6	50.1	78.9	13.1	0	120	64	104	97	87
21	1	Orleans	5900.0	6100.8	52.0	78.9	12.9	0	118	64	104	98	91
22	0	Pasteur	6754.5	8421.8	47.2	78.8	12.1	0	99	68	108	112	126
22	1	Pasteur	7321.5	7626.0	47.7	79.1	11.7	0	96	68	108	121	114
23	0	Fuzion	5435.3	7692.4	50.2	78.4	13.5	0	129	67	105	90	115
23	1	Fuzion	5645.5	7161.8	50.1	78.4	13.2	0	129	67	105	94	107
24	0	KLEOS	5970.1	6565.0	52.0	77.9	14.7	0	119	62	104	99	98
24	1	KLEOS	5611.1	6100.8	52.0	78.0	14.2	0	120	62	104	93	91
25	0	MAJOR	5822.9	8819.7	50.5	79.0	13.8	0	119	70	108	97	132
25	1	MAJOR	5830.2	8289.2	49.9	78.8	13.7	0	117	70	108	97	124
26	0	Megantic	4878.8	5371.4	48.7	80.1	13.3	0	125	60	104	81	80
26	1	Megantic	5701.3	5371.4	50.3	79.9	13.4	0	125	60	104	95	80

Grand Mean Average	6027.1	6697.4	49.6	77.9	13.1	0.0	112.3	64	106	100
Average No Fungicide	5804.1	6698.5	49.3	77.8	13.2	0.0	113.0	64.3		
Average Fungicide	6250.1	6696.4	49.8	78.0	13.1	0.0	111.5	64.3		
C.V.	6.55%	9.13%	2.80%	0.98%	2.47%					

Probabilites

Variety (A)	0.0000	0.0000	0.0000	0.0000	0.0000					
Fungicide(B)	0.0320		0.2664	0.2615						
Variety x Fungicide (AB)	0.2982	0.0261	0.4090	0.3386	0.0217					

New Liskeard N Rate on Spring Wheat (Managed) 2015

New Liskeard Agricultural Research Station

(NLNRSW15)

Seeded: 8-May-15

Fertilization: 0,60,90,120,45U+45E,60U+60E,150,100U+50E,150 N-Rates

Herbicide: 1.25 L/ha Logic M

Treatment	Yield	Kernel Wt	Test Wt.	Protein	Height	Heading	Maturity
	kg/ha	g/1000	kg/hl	%	cm	days	days
Reps							
1	5185.0	40.2	77.7	11.1	111.1	62.2	112.0
2	5540.9	39.8	77.8	11.5	113.7	62.2	112
3	4983.8	40.1	77.3	10.6	108.5	62.2	112
4	5221.4	40.1	77.5	10.9	111.9	62.2	112
N-Rate							
1 0N	3107.6	37.8	75.8	9.7	92.0	64.0	112
2 60N	4514.3	39.1	76.1	9.7	109.1	62.0	112
3 90N	5246.9	39.7	77.0	10.5	113.1	62.0	112
4 120N	5543.4	40.2	77.9	10.8	114.5	62.0	112
5 60N+60N@Z31-Z32	5732.5	41.5	78.5	12.3	111.6	62.0	112
6 45Urea+45ESN	5187.3	40.1	77.7	11.2	112.9	62.0	112
7 60Urea+60ESN	5507.2	40.6	78.2	11.5	112.6	62.0	112
8 150N	5737.2	40.2	78.1	11.1	115.9	62.0	112
9 100Urea+50ESN	5867.0	40.7	78.4	11.5	114.0	62.0	112
10 150N+GR	5884.2	40.6	78.2	12.0	117.3	62.0	112
Fungicide							
None	4988.5	40.0	77.5	11.0	111.7	62.2	112
Fungicide	5477.0	40.1	77.6	11.1	110.9	62.2	112
N-Rate x Fungicide							
1 0N x none	2847.6	37.5	75.6	9.7	89.8	64.0	112
1 0N x Fungicide	3367.6	38.0	76.0	9.8	94.3	64.0	112
2 60N x none	4208.1	39.0	75.8	9.7	109.3	62.0	112
2 60N x Fungicide	4820.5	39.1	76.4	9.8	109.0	62.0	112
3 90N x none	5054.1	39.8	77.0	10.6	114.3	62.0	112
3 90N x Fungicide	5439.8	39.7	76.9	10.4	112.0	62.0	112
4 120N x none	5258.9	40.1	77.8	10.7	115.5	62.0	112
4 120N x fungicide	5827.9	40.3	78.0	11.0	113.5	62.0	112
5 60N+60N@Z31-Z32 x none	5460.3	41.5	78.4	12.3	112.0	62.0	112
5 60N+60N@Z31-Z33 x Fungicide	6004.6	41.5	78.6	12.2	111.3	62.0	112
6 45Urea+45ESN x none	5054.4	39.9	77.8	11.3	113.3	62.0	112
6 45Urea+45ESN x Fungicide	5320.3	40.4	77.7	11.2	112.5	62.0	112
7 60Urea+60ESN x none	5380.2	40.5	78.2	11.5	113.8	62.0	112
7 60Urea+60ESN x Fungicide	5634.2	40.7	78.2	11.6	111.5	62.0	112

New Liskeard N Rate on Spring Wheat (Managed) 2015

New Liskeard Agricultural Research Station

(NLNRSW15)

8 150N x none	5425.3	40.2	78.0	11.1	116.5	62.0	112
8 150N x Fungicide	6049.2	40.1	78.2	11.2	115.3	62.0	112
9 100Urea+50ESN x none	5559.1	40.4	78.3	11.4	114.5	62.0	112
9 100Urea+50ESN x Fungicide	6174.8	41.1	78.6	11.6	113.5	62.0	112
10 150N+GR x none	5637.3	40.8	78.3	12.2	118.0	62.0	112
10 150N+GR x Fungicide	6131.1	40.3	78.1	11.9	116.5	62.0	112
Grand Means:	5232.8	40.0	77.6	11.0	111.3	62.2	112.0
Coefficient of Variation (%)	5.1%	1.5%	0.5%	2.2%			

Probabilities

N-Rate (A)	0.0000	0.0000	0.0000	0.0001
Fungicide(B)	0.0000	0.2632	0.1317	nil
N-Rate X Fungicide (AB)	nil	nil	nil'	nil

New Liskeard Spring Wheat Orthogonal 2015

New Liskeard Agricultural Research Station

(NLSWO15)

Seeded: 1-May-15

Fertilization: 70N kg/ha

Herbicide: 1.25 L/ha Logic M

Fungicide: None

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index	Harv Adjusted
			kg/ha	weight (g)	kg/hl	(0-9)	(cm)			Grain	Grain
1	rs Q ch	AC Carberry	5572.5	44.8	79.5	0.0	97	60	105	96	96
2	A/D/Q	Norwell	6067.5	44.4	80.4	0.0	113	61	105	104	104
3	s A/D c	HY162-HRF	6336.2	49.9	78.0	0.0	100	61	105	109	108
4	1	OAC 15-RS-01	5741.2	49.2	78.0	0.0	88	63	105	98	99
5	1	OAC 15-RS-02	6387.8	51.5	77.3	0.0	92	64	105	110	109
6	1	OAC 15-RS-03	5896.8	48.7	76.4	0.0	78	65	106	101	101
7	2	DASN0024	6384.6	50.5	77.1	0.0	90	65	108	109	109
8	2	DASN0030	5366.2	48.4	79.0	0.0	115	65	105	92	93
9	1	NC15D-001	5781.8	44.5	81.2	0.0	110	64	105	99	99
10	1	NC15D-002	5636.7	47.9	78.4	0.0	99	62	105	97	97
11	1	NC15D-003	5586.8	44.0	79.0	0.0	99	62	105	96	96
12	1	NC15D-004	6297.0	50.8	77.6	0.0	113	60	105	108	107
13	2	EC0387-2	5259.9	45.1	79.7	0.0	119	60	105	90	91
14	1	ECO448.1-38	5316.2	47.8	80.8	0.0	126	63	105	91	92
15	1	11NQW-112	5142.4	45.5	80.6	0.0	124	64	108	88	89
16	1	11NQW-294	5082.7	41.5	80.4	0.0	119	66	105	87	88
17	1	11NQW-697	5454.2	45.7	80.5	0.0	124	66	107	94	94
18	1	AW804	5969.5	46.0	79.1	0.0	126	65	105	102	102
19	2	Prosper	5971.4	48.6	77.9	0.0	98	65	105	102	102
20	2	Faller	6188.6	47.8	78.1	0.0	99	65	105	106	106
21	2	ACS12638	6473.1	48.5	79.3	0.0	109	66	105	111	110
22	1	ACS13606	5836.8	47.3	77.8	0.0	100	68	106	100	100
23	1	ACS13628	6182.1	42.8	79.8	0.0	99	69	109	106	105
24	1	CM15-6099	6571.4	49.7	78.2	0.0	98	69	109	113	112
25	2	CRGB-08C.1517	5304.8	41.1	82.6	0.0	122	68	108	91	92

Average	5832.3	46.9	79.1	0.0	106	64	106
LSD (0.05)	370.579						
C.V.	4.51%						

	Grain
SE	263.0379
SD	448.8227
H	0.91

New Liskeard C&M Spring Wheat Screening 2015

New Liskeard Agricultural Research Station

(NLCSWS15)

Seeded: 3-May-15

Fertilization: 70N kg/ha

Herbicide: 1.25L/ha Logic M

Entry	Code	Variety	Grain		Protein	1000 Seed	Test Wt.	Lodging	Height	Days to	Days to	Index	Harv
			kg/ha	bu/ac	%	weight (g)	kg/hl	(0-9)	(cm)	Head	Mature	Grain	Grain
1	chk	Wilkin	5004.4	74.4	10.8	38.3	76.5	0	84	62	104	109	107
2		CM15-01	4248.8	63.2	11.4	42.5	76.5	0	72	63	104	93	94
3		CM15-02	4537.5	67.5	10.2	40.2	78.2	0	88	62	104	99	99
4		CM15-03	3814.5	56.7	10.1	43.2	77.9	0	84	64	104	83	87
5		CM15-04	4875.0	72.5	10.1	37.2	75.8	0	73	67	106	106	105
6		CM15-05	4455.4	66.2	11.2	42.1	77.0	0	82	64	104	97	98
7	chk	Glenn	3637.1	54.1	11.3	40.2	82.4	0	94	60	104	79	84
8		CM15-06	4631.7	68.9	10.6	43.9	76.1	0	80	62	104	101	101
9		CM15-07	4820.0	71.7	10.0	37.0	79.9	0	83	65	106	105	104
10		CM15-08	5314.7	79.0	9.8	42.2	76.9	0	79	63	104	116	112
11		CM15-09	4661.2	69.3	10.8	39.5	76.2	0	87	65	106	102	101
12		CM15-10	4794.7	71.3	10.7	45.2	77.1	0	79	64	104	105	104
13	chk	5702 HR	4607.6	68.5	10.0	46.0	75.3	0	89	62	104	101	100
14		CM15-11	5039.5	74.9	10.6	42.6	74.0	0	89	64	104	110	108
15		CM15-12	4669.9	69.4	10.7	44.7	76.7	0	90	61	104	102	102
16		CM15-13	4727.4	70.3	10.1	41.6	80.3	0	74	65	105	103	102
17		CM15-14	4661.3	69.3	10.0	43.7	80.7	0	75	69	104	102	101
18		CM15-15	4373.4	65.0	10.2	45.5	79.9	0	71	63	104	95	96
19		CM15-16	4524.6	67.3	10.2	42.1	80.2	0	76	68	105	99	99
20		CM15-17	4990.5	74.2	10.1	45.4	78.1	0	84	61	105	109	107
21		CM15-18	4449.6	66.2	11.5	39.5	78.9	0	93	61	104	97	98
22		CM15-19	4555.1	67.7	11.3	38.1	79.7	0	92	65	104	99	100
23		CM15-20	4755.3	70.7	11.7	37.4	78.6	0	91	59	104	104	103
24		CM15-21	4320.9	64.3	11.9	37.8	79.0	0	86	60	104	94	96
25	chk	Carberry	4038.6	60.1	12.1	40.4	79.1	0	80	60	104	88	91
26		CM15-22	4716.8	70.1	10.9	35.1	77.6	0	76	61	104	103	102
27		CM15-23	5099.1	75.8	11.2	39.3	79.9	0	89	65	106	111	109
28		CM15-24	4100.9	61.0	11.7	37.8	80.4	0	88	62	104	90	92
29		CM15-25	5136.2	76.4	11.9	37.8	79.7	0	91	61	104	112	109
30		CM15-26	4181.4	62.2	11.0	37.8	78.7	0	85	62	104	91	93
31		CM15-27	4294.8	63.9	11.0	40.3	78.2	0	84	62	104	94	95
32		CM15-28	4525.3	67.3	11.1	40.6	80.5	0	86	63	104	99	99
33		CM15-29	4493.9	66.8	11.2	43.5	79.2	0	92	60	104	98	99
34		CM15-30	4137.0	61.5	10.9	43.2	80.1	0	94	66	104	90	92
35		CM15-31	4675.1	69.5	11.7	42.4	82.0	0	94	65	105	102	102
36		CM15-32	4013.4	59.7	11.3	40.9	77.9	0	102	67	107	88	90
37		CM15-33	4176.1	62.1	11.0	44.2	81.0	0	82	64	104	91	93

New Liskeard C&M Spring Wheat Screening 2015

New Liskeard Agricultural Research Station

(NLCSWS15)

38		CM15-34	4540.6	67.5	11.2	45.5	77.5	0	95	69	105	99	99
39		CM15-35	4441.3	66.0	11.4	45.1	78.0	0	97	68	104	97	98
40		CM15-36	4332.0	64.4	11.9	44.3	79.3	0	94	66	104	95	96
41		CM15-37	4335.2	64.5	11.5	44.7	80.2	0	88	64	104	95	96
42	chk	Sable	4779.6	71.1	11.1	46.2	79.4	0	89	63	104	104	103
43		CM15-38	4264.0	63.4	11.5	46.0	79.2	0	91	64	104	93	95
44		CM15-39	5088.7	75.7	10.9	45.8	80.5	0	93	64	105	111	109
45		CM15-40	4968.6	73.9	10.7	43.4	80.8	0	85	65	107	108	107
46		CM14-13	5020.7	74.7	10.6	42.1	78.8	0	85	65	104	110	107
47		CM14-27	4969.9	73.9	11.2	46.1	78.0	0	83	61	104	108	107
48		CM14-35	4697.2	69.8	11.1	44.4	79.5	0	100	62	106	103	102
49		CM14-38	4669.1	69.4	12.0	40.8	82.0	0	104	64	104	102	101
50		CM14-48	4893.5	72.8	11.4	44.5	79.6	0	98	63	104	107	105

Average 4581.2 68.1 11.0 42.0 78.8 0.0 86.6 63.3 104.4
 LSD (0.05) 712.9
 C.V. 7.7%

	Grain
SE	352.2925
SD	375.7486
H	0.78

New Liskeard SECAN Spring Wheat Screening 2015

New Liskeard Agricultural Research Station

(NLSSWS15)

Seeded: 3-May-15

Fertilization: 70N 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
1		SC-13SW	5421.5	44.6	70.5	0.0	82	68	112	106	105
2		SC-14SW	4720.8	42.5	69.4	0.0	79	69	117	92	94
3		SC-15SW	5012.2	42.7	68.6	0.0	78	68	114	98	98
4		SC-16SW	5428.2	43.4	70.0	0.0	80	67	110	106	105
5		SC-17SW	5420.8	43.2	71.0	0.0	79	67	109	106	105
6		SC-18SW	5464.2	41.7	71.1	0.0	78	67	109	107	106
7		SC-19SW	5439.9	43.7	70.7	0.0	80	68	110	106	105
8		SC-20SW	5114.7	46.4	69.5	0.0	84	69	111	100	100
9		SC-21SW	5206.7	43.0	69.7	0.0	83	69	111	102	101
10		SC-22SW	5322.4	40.4	70.5	0.0	79	68	109	104	103
11		SC-23SW	5163.9	43.2	69.9	0.0	75	67	106	101	101
12		SC-24SW	5526.5	46.3	70.4	0.0	81	66	103	108	107
13		SC-25SW	4782.0	43.6	74.1	0.0	84	62	103	93	95
14	Check	AC Carberry	4247.2	38.6	75.4	0.0	84	59	103	83	86
15	Check	Wilken	4918.9	38.9	75.9	0.0	94	59	103	96	97
16	Check	Norwell	5152.3	40.7	76.9	0.0	93	60	103	101	101
17		EXPCA-001	5030.8	41.4	76.3	0.0	89	62	103	98	99
18		EXPCA-002	4960.0	40.2	75.5	0.0	84	62	103	97	97
19		EXPCA-003	5256.2	38.4	75.3	0.0	78	62	103	103	102
20		EXPCA-004	5594.1	39.7	76.3	0.0	79	60	103	109	108
21		EXPCA-005	5392.0	40.5	75.4	0.0	78	60	103	105	104
22		WB9653	5170.7	40.5	77.1	0.0	76	63	103	101	101
23		EXPCA-008	5175.6	40.3	79.0	0.0	80	63	103	101	101
24		EXPCA-009	5092.9	41.6	75.9	0.0	81	64	103	100	100
25		EXPCA-010	4816.1	41.6	74.9	0.0	77	62	103	94	95
26		EXPCA-011	4619.2	41.8	75.9	0.0	77	61	103	90	92
27		EXPCA-012	4738.0	44.2	75.5	0.0	79	62	103	93	94

Average 5118.1 41.9 73.3 0.0 81 64 106
LSD (0.05) 533.757
C.V. 5.05%

	Grain
SE	258.4623
SD	319.1021
H	0.84

New Liskeard DAS Spring Wheat Screening 2015

New Liskeard Agricultural Research Station

(**NLDSWS15**)

Seeded: 2-May-15

Fertilization: 70N kg/ha

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain		1000 Seed weight (g)	Test Wt. kg/hl	Lodging (0-9)	Height (cm)	Days to Head	Days to Mature	Index Grain	Harv Grain
			kg/ha	bu/ac								
1	Check	Norwell	6204.9	92.3	40.5	80.2	0	110	59	104	116	113
2	Check	Carberry	4994.7	74.3	41.0	79.0	0	93	60	105	94	95
3		NCSD01_124_029	4953.2	73.7	45.1	77.1	0	90	65	106	93	94
4		NCSD03_162_008	6194.1	92.1	47.7	78.1	0	96	60	104	116	113
5		NCSD07_206_005	5698.0	84.7	44.0	78.8	0	90	60	104	107	105
6		NCSD11_325_077	4975.5	74.0	44.5	78.0	0	112	60	104	93	95
7		NCSD12_347_014	5299.8	78.8	51.3	78.0	0	110	59	104	99	100
8		NCSD12_347_018	5938.2	88.3	43.8	77.5	0	81	61	104	111	109
9		NCSD12_348_025	5547.4	82.5	42.9	77.9	0	105	59	104	104	103
10		NCSD12_351_005	5730.8	85.2	41.9	78.5	0	99	59	104	108	106
11		NCSD12_351_017	4668.3	69.4	43.8	77.2	0	86	62	104	88	90
12		NCSD12_359_014	4428.5	65.8	44.7	78.1	0	122	60	104	83	87
13		NCSD12_367_045	5253.0	78.1	39.1	76.1	0	86	62	105	99	99
14		NCSD12_368_013	5561.9	82.7	40.8	79.4	0	108	60	104	104	103
15		NCSD12_371_030	4594.7	68.3	41.5	77.3	0	79	64	108	86	89
16		NCSD12_373_092	5190.9	77.2	47.8	79.0	0	117	65	104	97	98

Average	5327.1	79.2	43.8	78.1	0.0	99	61	105
LSD (0.05)	836.294							
C.V.	9.4%							

	Grain
SE	500.7482
SD	546.2877
H	0.79

New Liskeard OCCC Winter Wheat Performance (Managed) 2015

New Liskeard Agricultural Research Station

(NLWWPM14)

Seeded: 19-Sep-14

Fertilization: 120N kg/ha

Herbicide: 1.25L/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
1	7002	AC Morley	7848.1	46.3	73.6		108	171	219	91	91
2	7015	AC Sampson	8751.3	48.8	73.3		105	175	217	102	102
3	7119	Marker	9076.2	39.1	72.7		89	172	217	105	105
4	7127	CM5-1074	9141.9	42.7	74.6		84	169	216	106	106
5	7092	CM614	8601.2	45.1	75.8		92	172	220	100	100
6	7096	Gallus	8233.2	48.3	73.8		96	171	217	96	96
7	7073	Priesley	8882.5	48.0	73.9		81	172	217	103	103
8	7064	Princeton	9121.1	53.8	75.8		96	172	218	106	106
9	7094	WB425	9205.3	38.3	75.1		85	169	218	107	107
10	7033	Ava	8946.8	43.8	74.6		103	173	217	104	104
11	7048	Branson	9097.8	42.2	73.4		77	169	217	106	106
12	7022	Emmit	7682.5	44.4	73.5		89	171	218	89	89
13	7109	HY 301-HRW	7870.5	40.5	75.9		84	173	217	91	91
14	7108	HY 412-SRW	9650.1	46.1	75.0		92	175	220	112	112
15	7128	NC13G-009	8539.4	48.5	74.8	5.0	101	171	217	99	99
16	7123	UGRC C2-5	8311.0	47.6	72.0		100	176	221	97	97
17	7120	UGRC Ring	10101.5	42.2	71.6	4.3	99	169	215	117	117
18	7126	UGRCDH5-28	8707.2	45.0	74.4		87	174	219	101	101
19	7116	Frontenac	7881.5	49.8	75.7		96	172	218	92	92
20	7113	Emperor	9023.8	40.7	73.3	4.0	95	170	216	105	105
21	7100	Venture	6221.3	39.0	68.6		68	175	222	72	72
22	7079	Wave	8572.7	40.9	74.2	3.0	91	170	218	100	100

Average
LSD (0.05)
C.V.

8612.1 44.6 73.9 4.1 92 172 218

Grain
0.0000
802.0857
1.00

New Liskeard OCCC Oat Performance (Managed) 2015

New Liskeard Agricultural Research Station

(NLOPTM15)

Seeded: 2-May-15

Fertilization: 55N kg/ha

Herbicide: 1.25L/ha Logic M

Fungicide: 0.5L/ha Twinline

Entry	Fung	Variety	Grain	Straw	1000 Seed	Test Wt.	Protein	Lodging	Height	Days to Head	Days to Mature	Index	
			kg/ha	kg/ha	weight (g)	kg/hl	%	(0-9)	(cm)			Grain	Straw
1	0	OA1342-1	5980.8	6016.0	47.2	44.6	12.2	3.0	116	72	104	105	101
1	1	OA1342-1	5505.2	6773.3	45.5	45.1	12.0	0.0	112	72	104	96	113
2	0	OA1357-2	5905.3	4665.8	45.2	42.0	11.7	5.0	119	73	104	103	78
2	1	OA1357-2	6063.0	5332.3	46.7	42.0	11.9	4.0	113	73	104	106	89
3	0	Oscar	5859.3	4829.1	45.4	47.7	12.2	4.3	111	69	98	103	81
3	1	Oscar	6049.8	5550.2	45.8	47.9	12.6	1.0	105	69	101	106	93
4	0	AAC Oaklin	5882.0	5423.2	46.3	47.0	11.8	5.0	114	72	104	103	91
4	1	AAC Oaklin	5720.9	6991.7	45.2	46.8	12.0	4.5	111	72	104	100	117
5	0	Riley	5238.2	4547.0	47.6	47.3	11.8	5.0	121	68	104	92	76
5	1	Riley	5579.6	4621.6	47.8	47.0	11.9	4.3	116	68	104	98	77
6	0	Akina	5935.1	4852.0	48.2	43.7	12.2	5.0	110	70	104	104	81
6	1	Akina	6391.1	4786.4	49.3	43.3	12.2	2.5	108	70	104	112	80
7	0	Bolina	6451.0	5133.4	41.6	49.0	10.7	4.5	106	70	104	113	86
7	1	Bolina	6492.4	5943.9	40.6	49.4	11.2	1.5	107	70	104	114	99
8	0	Kara	6266.7	5151.5	48.0	46.3	12.1	4.3	107	72	104	110	86
8	1	Kara	6309.8	6047.4	49.4	46.4	12.1	1.0	108	72	104	110	101
9	0	Nice	5804.0	5427.0	49.3	46.3	11.7	5.0	123	70	104	102	91
9	1	Nice	5886.2	7471.9	51.1	46.8	12.1	0.3	118	70	103	103	125
10	0	HY 174-OA	4590.4	5736.9	48.3	46.4	11.3	5.0	119	67	104	80	96
10	1	HY 174-OA	4744.0	5655.0	49.2	46.8	11.7	2.3	117	67	104	83	95
11	0	OAC Markdale	5706.7	6273.4	47.1	46.7	12.7	5.0	121	68	104	100	105
11	1	OAC Markdale	5568.8	6508.7	45.5	46.6	13.0	2.5	117	68	104	97	109
12	0	RC Amaze	5731.7	4925.5	42.2	47.1	12.5	5.0	107	67	99	100	82
12	1	RC Amaze	6147.5	5176.0	42.8	47.6	12.9	4.5	105	67	97	108	87
13	0	AAC Pontiac	5929.9	4698.1	44.3	46.6	12.1	3.8	95	73	101	104	79
13	1	AAC Pontiac	6041.8	5038.5	44.6	46.4	12.5	0.8	94	73	101	106	84
14	0	AAC Richmond	5354.1	7030.1	44.4	47.6	11.0	3.3	125	74	104	94	118
14	1	AAC Richmond	5732.5	7255.1	47.1	47.5	11.4	1.5	122	74	104	100	121
15	0	Canmore	5409.6	7603.6	51.7	47.9	12.3	5.0	123	71	104	95	127
15	1	Canmore	5760.0	7870.4	51.8	48.2	12.6	4.0	123	71	104	101	132
16	0	CANTAL	5869.9	7315.9	48.6	51.4	12.4	5.0	142	69	101	103	122
16	1	CANTAL	5667.2	8612.1	47.9	51.3	12.8	1.0	134	69	101	99	144
17	0	AAC Almonte	4988.1	6015.4	44.6	46.5	12.5	5.0	113	71	102	87	101
17	1	AAC Almonte	5361.1	5476.7	45.5	47.2	12.7	5.3	113	71	102	94	92
18	0	AAC Bullet	5933.1	5436.1	47.9	48.1	11.5	4.0	107	72	104	104	91
18	1	AAC Bullet	5883.6	5567.1	48.3	48.2	12.1	2.5	109	72	104	103	93
19	0	AAC Nicolas	6489.9	5740.9	49.1	43.3	11.5	5.0	115	74	104	114	96

New Liskeard OCCC Oat Performance (Managed) 2015

New Liskeard Agricultural Research Station

(NLOPTM15)

19	1	AAC Nicolas	6634.0	6233.0	50.6	44.2	11.7	5.0	114	74	104	116	104
20	0	Bradley	5380.8	6407.2	44.6	45.1	11.9	3.3	117	71	102	94	107
20	1	Bradley	5155.8	7393.0	45.7	45.7	12.0	0.8	117	71	104	90	124
21	0	Dieter	5349.4	6942.0	47.3	46.3	12.3	5.0	128	71	104	94	116
21	1	Dieter	5631.0	6942.0	48.1	47.0	12.4	3.5	122	71	104	99	116
22	0	OA 1347-2	5677.4	6632.7	48.0	43.7	12.0	5.0	121	74	104	99	111
22	1	OA 1347-2	6139.3	7338.4	48.9	43.8	12.1	5.3	117	74	104	107	123
23	0	PGR-N10-31	5131.1	5492.4	51.3	44.9	11.7	5.0	119	70	100	90	92
23	1	PGR-N10-31	5350.5	5492.4	52.4	45.3	12.0	4.5	116	70	100	94	92
24	0	Hidalgo	5437.1	5650.0	42.6	43.1	11.6	5.0	108	70	102	95	95
24	1	Hidalgo	5963.2	6480.9	42.6	44.4	11.8	4.3	105	70	104	104	108
25	0	Synextra	5169.7	5295.4	46.7	50.1	12.7	3.0	128	71	104	90	89
25	1	Synextra	5284.0	5993.2	46.9	50.8	12.9	0.5	126	71	104	92	100
26	0	Vitality	5373.1	5569.4	59.0	44.1	11.8	5.0	118	70	104	94	93
26	1	Vitality	5285.4	5488.6	60.9	44.1	12.0	3.5	114	70	104	92	92

Grand Mean Average	5715.2	5977.9	47.4	46.4	12.0	3.6	115	71	103
Average No Fungicide	5647.9	5723.5	47.2	46.2	11.9	4.5	116.4		
Average Fungicide	5782.6	6232.3	47.7	46.5	12.2	2.7	113.7		
C.V.	7.77%	17.19%	2.70%	1.05%	2.43%	32.49%	2.64%		

Probabilites

Variety (A)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fungicide(B)	0.1016	0.0502	0.2178	0.2213	0.0420	0.0174	0.0017
Variety x Fungicide (AB)			0.1298	0.1528		0.0008	0.1841

New Liskeard N Rate on Oat (Managed) 2015

New Liskeard Agricultural Research Station

(NLNRO15)

Seeded: 7-May-15

Fertilization: 0,60,90,120,60+60,45U+45ESN,60U+60ESN,150,100U+50ESN,150 N-Rates

Herbicide: 1.25 L/ha Logic M

Treatment	Yield	Kernel Wt	Test Wt.	Protein	Height	Heading	Maturity
	kg/ha	g/1000	kg/hl	%	cm	days	days
Reps							
1	5206.8	41.0	47.0	11.2	91.6	66	99
2	4888.5	41.0	47.2	11.2	99.0	66	99
3	5546.0	40.7	47.8	11.3	98.5	66	99
4	5655.0	40.5	47.6	12.1	97.0	66	99
N-Rate							
1 0N	3926.2	41.1	46.7	10.6	87.3	68	99
2 60N	5035.9	40.6	47.9	10.8	98.5	66	99
3 90N	5478.2	40.9	48.2	11.2	99.1	66	99
4 120N	5684.0	40.7	47.6	11.7	98.6	66	99
5 60N+60N@Z31-Z32	5354.7	41.4	47.4	11.9	94.9	66	99
6 45Urea+45ESN	5492.1	40.8	48.0	11.4	98.3	66	99
7 60Urea+60ESN	5467.4	41.5	47.2	11.5	96.4	66	99
8 150N	5657.1	40.6	47.4	11.8	98.0	66	99
9 100Urea+50ESN	5757.3	40.4	46.9	11.8	98.0	66	99
10 150N+GR	5388.0	39.8	46.6	11.9	96.4	66	99
Fungicide							
None	5375.6	40.3	47.5	11.4	94.0	66	99
Fungicide	5272.5	41.2	47.3	11.5	99.0	66	99
N-Rate x Fungicide							
1 0N x none	3983.5	40.4	47.1	10.5	84.3	68	99
1 0N x Fungicide	3869.0	41.9	46.3	10.7	90.3	68	99
2 60N x none	4990.0	39.3	48.0	10.8	92.0	66	99
2 60N x Fungicide	5081.8	41.8	47.8	10.8	105.0	66	99
3 90N x none	5637.5	40.2	48.1	11.2	95.5	66	99
3 90N x Fungicide	5318.9	41.6	48.2	11.2	102.8	66	99
4 120N x none	5762.3	40.3	47.9	11.6	96.0	66	99
4 120N x fungicide	5605.6	41.2	47.2	11.9	101.3	66	99
5 60N+60N@Z31-Z32 x none	5479.3	41.2	47.6	11.8	92.8	66	99
5 60N+60N@Z31-Z33 x Fungicide	5230.0	41.7	47.3	12.0	97.0	66	99
6 45Urea+45ESN x none	5654.2	40.6	47.8	11.4	94.3	66	99
6 45Urea+45ESN x Fungicide	5330.0	41.1	48.3	11.4	101.3	66	99
7 60Urea+60ESN x none	5507.5	41.1	47.6	11.3	94.0	66	99
7 60Urea+60ESN x Fungicide	5427.4	42.0	46.8	11.8	98.8	66	99

New Liskeard N Rate on Oat (Managed) 2015

New Liskeard Agricultural Research Station

(NLNRO15)

8 150N x none	5610.1	40.4	47.6	11.6	96.8	66	99
8 150N x Fungicide	5704.1	40.7	47.3	11.9	99.3	66	99
9 100Urea+50ESN x none	5699.7	40.2	46.8	12.0	95.5	66	99
9 100Urea+50ESN x Fungicide	5814.9	40.5	47.0	11.7	100.5	66	99
10 150N+GR x none	5432.3	39.5	46.7	11.7	99.3	66	99
10 150N+GR x Fungicide	5343.7	40.1	46.5	12.0	93.5	66	99

Grand Means:	5324.1	40.8	47.4	11.4
Coefficient of Variation (%)	6.6%	3.0%	1.0%	3.1%

Probabilities

N-Rate (A)	0.0005	0.0347	0.0011	0.0001
Fungicide(B)	0.1996	0.0020	0.0303	0.0818
N-Rate X Fungicide (AB)	nil	nil	0.1738	nil

New Liskeard Ottawa Covered Oat Registration 2015

New Liskeard Agricultural Research Station

(NLOCOR15)

Seeded: 2-May-15

Fertilization: 55N kg/ha

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Test Wt.	Protein	Lodging	Height	Days to Head	Days to Mature	Index	Harv
			kg/ha	weight (g)	kg/hl	%	(0-9)	(cm)			Grain	Grain
1		BRADLEY	5246.0	35.9	46.5	10.7	0.0	112	70	104	99	100
2		OSCAR	5276.2	37.0	49.3	11.0	1.8	102	68	97	100	100
3		VITALITY	4995.5	40.6	45.1	10.9	4.8	107	71	103	95	97
4		Bullet	5178.8	38.9	47.9	10.5	0.0	100	75	104	98	99
5		OA1251-1S	4941.6	38.6	48.2	10.6	0.8	100	76	104	94	97
6		OA1331-5-0	5930.8	33.1	45.2	10.3	3.0	109	75	103	112	106
7		NICOLAS (OA1331-5-4)	5873.3	33.9	45.8	10.1	2.5	110	75	104	111	105
8		OA1285-1S	4972.0	36.5	47.3	11.1	4.3	105	74	104	94	97
9		Oaklin	5241.4	37.5	47.9	10.7	3.8	106	75	103	99	100
10		OA1367-3	5266.6	30.3	48.4	11.2	0.3	100	75	104	100	100
11		OA1395-1	5475.6	35.2	43.1	9.7	1.0	107	75	106	104	102
12		OA1395-1W	5116.4	32.7	43.8	10.9	5.8	109	74	104	97	99
13		OA1397-3	5663.1	32.6	47.6	10.4	7.0	104	69	99	107	103
14		OA1399-1	5376.9	38.7	48.4	11.0	1.0	108	72	104	102	101
15		OA1411-1	5021.4	34.7	45.4	10.2	6.5	110	73	104	95	98
16		Oa1413-4	5072.0	32.4	46.3	10.2	1.5	114	75	108	96	98
17		Oa1415-1	5353.5	34.6	48.9	10.9	6.3	113	70	104	101	101
18		Oa1415-2	4616.0	37.4	48.0	10.7	1.8	122	74	106	87	94
19		Oa1421-1	5592.0	33.7	44.8	11.1	2.5	118	75	104	106	103
20		OA1426-2	5307.9	35.5	52.3	10.0	2.8	119	76	104	101	100
21		OA1428-1	5041.0	31.6	47.0	11.2	1.0	100	74	103	95	98
22		Oa1431-1	5237.2	38.4	46.2	10.6	1.8	109	74	104	99	100
23		Oa1432-2	5207.8	38.0	48.1	10.6	3.0	109	70	101	99	99
24		Oa1432-4	5189.3	34.6	42.7	10.2	6.5	102	71	103	98	99
25		Oa1436-1	5572.8	33.1	49.9	10.7	6.5	111	74	104	106	103
26		Oa1438-1	5488.1	36.6	45.9	10.5	2.5	115	75	105	104	102

Average	5279.0	35.5	46.9	10.6	3.0	108	73	104
LSD (0.05)	599.970	0.974	0.715	0.454				
C.V. %	8.07%	1.95%	1.08%	3.04%				

	Grain
SE	426.0123
SD	293.6723
H	0.47

New Liskeard Ottawa Oat Preliminary 2015

New Liskeard Agricultural Research Station

(NLOOP15)

Seeded: 2-May-15

Fertilization: 55N kg/ha

Herbicide: 1.25 L/ha Logic M

Entry	Code	Variety	Grain	1000 Seed	Protein	Test Wt.	Lodging	Height	Days to Head	Days to Mature	Index	Harv
			kg/ha	weight (g)	%	kg/hl	(0-9)	(cm)			Grain	Grain
1		OA1439-1	5207.7	34.0	10.3	47.1	6.3	107	75	105	107	105
2		OA1440-1	5254.1	38.5	10.3	48.8	2.3	115	75	105	107	106
3		OA1440-2	4728.7	37.5	11.1	48.8	2.3	112	74	106	97	97
4		OA1441-1	5505.4	36.6	10.7	46.5	6.3	106	76	105	113	110
5		OA1441-2	5135.2	32.8	10.8	47.2	6.0	104	76	104	105	104
6		OA1441-3	5155.0	33.5	10.4	47.4	5.7	114	76	105	105	104
7		OA1441-4	5047.5	32.1	10.3	46.3	6.7	104	76	105	103	103
8		OA1442-1	5163.0	39.4	10.1	48.7	5.0	109	75	104	106	105
9		OA1442-2	5266.4	36.6	10.2	47.3	6.7	112	76	104	108	106
10		OA1443-1	5423.5	37.0	10.4	43.5	4.0	97	72	101	111	109
11		OA1444-1	4579.9	36.7	10.8	42.9	1.7	107	69	104	94	95
12		OA1444-2	4934.9	35.6	11.2	49.2	0.3	103	71	104	101	101
13		OA1444-3	5177.7	33.5	11.6	46.6	4.0	110	73	103	106	105
14		OA1444-4	5155.0	36.3	11.1	46.4	0.0	112	74	104	105	104
15		OA1444-5	5427.4	34.6	11.1	45.7	6.0	109	68	101	111	109
16		OA1444-6	5256.4	37.9	10.9	45.0	0.3	108	70	104	107	106
17		OA1445-1	4067.1	37.0	12.0	46.4	6.0	75	67	99	83	86
18		OA1446-1	4929.1	39.8	10.9	44.8	5.7	96	68	104	101	101
19		OA1447-1	4811.6	32.8	11.6	47.4	7.3	106	69	103	98	99
20		OA1448-1	5139.9	43.3	10.6	47.8	4.0	111	73	103	105	104
21		OA1448-2	4906.8	36.1	11.2	46.7	3.3	98	76	103	100	100
22		OA1449-1	5214.6	35.2	11.0	46.7	2.0	104	72	103	107	106
23		OA1450-1	4869.3	37.6	10.9	46.3	3.3	114	75	104	100	100
24		OA1451-1	5043.8	34.9	10.9	43.5	1.3	97	68	102	103	103
25		OA1452-1	4061.3	35.9	12.0	45.6	0.7	96	71	104	83	86
26		OA1453-1	4264.7	38.5	11.8	50.3	1.0	92	72	107	87	89
27		OA1454-1	4852.5	32.4	10.1	46.9	4.3	99	71	104	99	99
28		OA1455-1	5445.5	29.9	10.1	44.4	6.7	106	72	105	111	109
29		OA1456-1	3430.4	27.3	12.0	58.5	1.3	107	72	104	70	75
30		OA1456-2	3177.9	31.1	13.6	56.7	0.0	105	73	104	65	71
31		OA1457-1	4948.7	35.5	10.6	44.7	4.3	107	75	107	101	101
32		Bradley	4176.4	37.1	10.5	45.3	1.3	106	72	104	85	88
33		Oscar	5424.5	37.1	11.4	48.0	4.3	104	68	98	111	109
34		Vitality	4661.5	40.5	11.0	44.7	5.3	105	68	104	95	96
35		Nicolas	5301.0	33.3	10.5	43.9	3.0	105	76	104	108	107

Average

4889.8

35.7

11.0

47.0

3.7

105

72

104

New Liskeard Ottawa Oat Preliminary 2015

New Liskeard Agricultural Research Station

(NLOOP15)

LSD (0.5)	742.116	2.544	0.541	0.868
C.V.	9.31%	4.38%	3.03%	1.13%

	Grain
SE	455.2434
SD	550.7827
H	0.83

New Liskeard Quaker GxE Oat 2015
 New Liskeard Agricultural Research Station
 (NLQGxE015)

Seeded: 2-May-15
 Fertilization: 55N kg/ha
 Herbicide: 1.25L/ha Logic M

Entry	Code	Variety	Grain	Protein	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
5		Identity-5	6283.0	10.4	43.7	48.2	6.0	118	73	105	115	112
7		Identity-7	6211.2	10.2	41.4	45.8	7.0	109	76	105	113	111
19		Identity-19	6151.6	11.5	42.2	48.7	5.7	111	73	106	112	110
3		Identity-3	6120.8	9.9	41.2	50.0	6.7	116	70	103	112	110
17		Identity-17	5974.5	10.1	40.3	47.9	4.7	114	75	107	109	108
21		Identity-21	5911.3	11.0	43.6	47.7	6.0	111	74	104	108	107
6		Identity-6	5836.3	10.3	43.9	45.0	5.0	116	73	105	107	105
13		Identity-13	5593.1	10.7	44.4	48.0	4.7	110	74	106	102	102
18		Identity-18	5555.6	9.4	41.1	43.8	2.0	113	75	108	102	101
20		Identity-20	5504.2	10.6	45.1	51.3	0.7	115	73	105	101	100
1		Identity-1	5417.3	12.3	39.0	48.7	6.3	112	71	98	99	99
8		Identity-8	5408.5	10.9	43.0	43.9	4.7	112	74	108	99	99
9		Identity-9	5407.1	10.5	48.3	49.3	2.0	113	74	107	99	99
11		Identity-11	5348.4	11.8	44.3	47.5	7.0	109	70	104	98	98
2		Identity-2	5098.1	11.7	40.9	48.6	6.7	112	72	104	93	94
15		Identity-15	5030.6	11.1	42.6	46.4	7.0	112	67	99	92	93
12		Identity-12	4993.0	11.5	47.6	48.9	0.3	106	73	105	91	93
16		Identity-16	4923.6	10.8	43.0	46.7	4.0	119	73	105	90	92
10		Identity-10	4858.1	11.3	38.2	48.1	7.0	111	69	99	89	91
4		Identity-4	4789.0	10.8	45.3	49.0	4.3	119	73	103	88	90
14		Identity-14	4510.6	11.8	37.3	48.8	7.3	113	73	103	82	86

Average 5472.7
 LSD (0.05) 717.046
 C.V. 7.93%

	Grain
SE	433.9824
SD	517.0495
H	0.82

Index	Harv
Grain	Grain
104	103
92	94
97	98
101	101
99	99
104	103
102	101
104	103
104	103
86	90
99	99
97	98
93	95
109	107
95	97
97	98
101	101
114	110

	Grain
SE	635.6735
SD	617.5782
H	0.74