2012 Guide to Cereal Variety Selection

Prince Edward Island CANADA Agriculture and Forestry

2 ROW BARLEY: 3 Year averages (2009-2011) from all Maritime sites

Cultivar	Relative Yield (%)	Yield (t/ha)	Individual Stations						Lodging (0-9)[1]	Height (cm)
			Hartland NB		Truro NS		Harrington PEI			
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank		
AC Queens	96	3.88	2.31	4	5.01	4	3.80	3	2.7	91
AC Sterling	100	4.01	2.67	3	5.08	3	3.77	4	2.2	88
Formosa	92	3.71	2.20	5	4.74	5	3.30	5	2.8	78
Island	104	4.20	2.95	1	5.31	2	3.96	2	2.3	89
Leader	108	4.34	2.95	1	5.58	1	4.22	1	0.5	92
HULLESS BARLEY										
AC Alberte		3.11	1.85		4.01		2.79		2.5	81

[1]0 = no lodging; 9 = fully lodged

2 ROW BARLEY: 3 Year averages (2009-2011) from all Maritime sites cont'd

Cultivar	Distributor	Maturity (days after planting)	Disease Resistance (0-9)[1]		2011 DON at Harrington (ppm)	1000 kernel weight (g)	Test Weight kg/hL
			Net Blotch	Scald			
AC Queens	Meadowbrook	96	3.9	4.3	2.1	44	63
AC Sterling	SeCan	96	3.5	4.4	2.2	43	64
Formosa	Grand Falls Milling	96	3.8	3.4	1.7	40	62
Island	McCardle Bros	96	4.0	4.0	1.4	44	64
Leader	McCardle Bros	96	3.1	4.0	1.8	47	65
HULLESS BARLEY cont'd							
AC Alberte	Semican	96	3.7	4.7	1.3	40.3	71.1

[1]0 = resistant; 9 = highly susceptible

6 ROW BARLEY: 3 Year averages (2009-2011) from all Maritime sites

Cultivar	Relative Yield (%)	Yield (t/ha)	Individual Stations						Lodging (0-9)[1]	Height (cm)
			Hartland NB		Truro NS		Harrington PEI			
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank		
AC Encore	99	4.03	3.11	2	5.24	4	3.78	2	0.1	90
AC Legend	105	4.24	3.30	1	5.39	2	3.72	4	0.2	72
AC Maple	100	4.04	3.10	3	5.25	3	3.51	5	0.2	69
Chambly	97	3.93	3.05	4	5.06	5	3.77	3	0.3	83
Synasolis	105	4.26	2.97	5	5.48	1	4.02	1	1.0	85
Yielder	94	3.82	2.94	6	4.94	6	3.48	6	0.3	95

[1]0 = no lodging; 9 = fully lodged

6 ROW BARLEY: 3 Year averages (2009-2011) from all Maritime sites cont'd

Cultivar	Distributor	Maturity (days after planting)	Disease Resistance (0-9)[1]		2011 DON at Harrington (ppm)	1000 kernel weight (g)	Test Weight kg/hL
			Net Blotch	Scald			
AC Encore	SeCan	96	4.0	3.1	8.3	39	59
AC Legend	SeCan	95	3.0	2.6	4.1	41	60
AC Maple	Co-Op Atlantic	95	3.4	1.9	3.7	37	59
Chambly	Grand Falls Milling	96	3.1	2.9	5.3	43	61
Synasolis	Eastern Grains	97	2.8	2.2	4.0	37	59
Yielder	Co-op Atlantic	96	2.8	2.9	4.4	40	61

[1]0 = resistant; 9 = highly susceptible

Spring Feed and Milling Wheat: 3 Year averages (2009-2011) from all Maritime sites

Cultivar	Milling Quality	Yield (t/ha)	Individual Stations			Height (cm)	Lodging[1]
			Hartland NB Yield (t/ha)	Truro NS Yield (t/ha)	Harrington PEI Yield (t/ha)		
FEED							
Hoffman	Feed	3.65	3.18	5.05	2.88	103	2.4
Nass	Feed	3.44	2.67	4.87	2.73	101	2.3
MILLING							
AC Barrie	Self-Baker	2.53	2.33	3.64	1.73	90	2.9
AC Helena	Strong Blend	3.28	2.77	4.33	2.50	97	3.3
AC Walton	Strong Blend	2.76	2.26	3.85	1.98	98	1.4
Fuzion	Strong Blend	3.18	2.48	4.14	2.79	105	3.1
Major	Medium Blend	3.04	2.21	4.20	2.44	101	2.9
Richelieu	Strong Blend	2.95	2.38	4.33	2.52	102	2.4

[1]0 = no lodging; 9 = fully lodged

Spring Feed and Milling Wheat: 3 Year averages (2009-2011) from all Maritime sites cont'd

Cultivar	Distributor	Maturity (days after planting)	Disease Resistance (0-9)[1]		2011 DON at Harrington (ppm)	1000 kernel weight (g)	Test Weight kg/hL
			Powdery Mildew	Septoria			
FEED							
Hoffman	Co-op Atlantic	106	1.1	4.2	5.2	36	73
Nass	SeCan	106	0.9	4.0	3.8	31	74
MILLING							
AC Barrie	Meadowbrook	104	4.7	5.7	6.7	30	73
AC Helena	Meadowbrook	106	0.2	4.5	5.9	32	73
AC Walton	Meadowbrook	107	0.1	4.7	3.2	30	71
Fuzion	Semipro	107	0.2	4.9	1.5	33	74
Major	Synagrie	108	3.4	4.4	2.6	33	74
Richelieu	Pédigrain	109	0.1	3.9	4.3	32	75

[1]0 = resistant; 9 = highly susceptible

Winter Wheat: 3 Year averages (2009-2011) from all Maritime sites

Cultivar	Milling Quality	Yield (t/ha)	Individual Stations			Winter Survival (%)	Maturity (days after May 31)
			Hartland NB Yield (t/ha)	Truro NS Yield (t/ha)	Harrington PEI Yield (t/ha)		
FEED							
Emmit	Feed	5.31	4.25	6.18	4.04	96	62
Pioneer 25R39	Feed	5.56	4.21	6.95	5.01	94	63
Pioneer 25R56	Feed	5.70	4.27	7.12	4.58	98	61
MILLING							
AC Sampson	Strong Blend	4.65	4.15	5.84	2.91	92	62

Winter Wheat: 3 Year averages (2009-2011) from all Maritime sites cont'd

Cultivar	Distributor	2011 DON at Harrington (ppm)	Disease Resistance (0-9)[1]		Lodging[2]	1000 kernel weight (g)	Test Weight kg/hL
			Mildew	Septoria			
Feed – Soft Red							
Emmit	BNE Sales	0.6	1.5	5.0	1.1	36	73
Pioneer 25R39	Phillips Feed	0.5	2.4	6.1	0.6	35	73
Pioneer 25R56*	Phillips Feed	0.4	1.0	5.4	0.5	33	73
Milling – Hard Red							
AC Sampson	Meadowbrook	0.9	1.1	6.2	0.5	37	74

[1]0 = resistant; 9 = highly susceptible [2]0 = no lodging; 9 = fully lodged

COVERED and HULLESS OATS: 3 Year averages (2009-2011) from all Maritime sites

Cultivar	Relative Yield (%)	Yield (t/ha)	Individual Stations						Lodging (0-9)[1]	Height (cm)
			Hartland NB		Truro NS		Harrington PEI			
			Yield (t/ha)	Rank	Yield (t/ha)	Rank	Yield (t/ha)	Rank		
AC Dieter	100	4.15	3.32	6	5.01	10	4.04	2	4.4	114
AC Rigodon	102	4.22	3.31	7	5.41	4	3.91	6	4.8	114
Canmore	105	4.35	3.43	4	5.71	2	3.93	4	5.2	112
Cantal	104	4.31	3.20	8	5.47	3	4.20	1	4.8	122
Capital	96	3.97	3.15	9	5.17	6	3.59	10	5.7	110
CDC Orrin	109	4.50	3.72	1	5.94	1	3.91	6	5.2	108
Domingo	99	4.09	3.35	5	4.83	12	4.01	3	3.2	118
Lachute	94	3.91	3.46	3	4.93	11	3.39	12	7.0	106
Nova	96	3.98	3.14	10	5.16	8	3.65	9	5.3	111
Sherwood	98	4.07	3.60	2	5.28	5	3.41	11	7.1	99
Synextra	99	4.10	3.13	11	5.17	7	3.93	5	4.9	118
Triple Crown	98	4.07	3.10	12	5.14	9	3.90	8	4.0	113
Average		4.14	3.33		5.27		3.82			
HULLESS										
AC Baton		2.29	2.22		3.22		1.55		4	111
Navaro		2.85	2.53		3.82		2.28		1	96

[1]0 = no lodging; 9 = fully lodged

COVERED and HULLESS OATS: 3 Year averages (2009-2011) from all Maritime sites cont'd

Cultivar	Distributor	Maturity (days after planting)	Hull (%)	Resistance to Leaf Septoria (1-9)[1]	2011 DON at Harrington (ppm)	1000 kernel weight (g)	Test Weight kg/hL
AC Rigodon	SeCan	100	20.9	3.7	1.4	35.8	48
AC Dieter	SeCan	98	22.6	3.1	1.2	35.6	48
Canmore	Semican	99	25.3	3.3	1.1	34.6	49
Cantal	Nyborg Farms	98	21.6	3.6	1.4	34.8	50
Capital	SeCan	97	22.5	3.9	1.1	29.9	47
CDC Orrin	Semican	101	23.6	3.8	1.1	35.1	47
Domingo	Co-op Atlantic	100	23.9	3.0	1.2	31.7	46
Lachute	SeCan	97	23.6	4.6	1.3	34.4	43
Nova	SeCan	97	24.9	4.0	1.3	31.1	50
Sherwood	Co-op Atlantic	99	20.3	5.3	1.3	35.5	45
Synextra	Co-op Atlantic	97	23.6	3.6	1.3	33.0	51
Triple Crown	Co-op Atlantic	102	25.3	3.3	1.2	29.9	45
HULLESS cont'd							
AC Baton		102	3.7	4	1.1	32	54
Navaro	Semican	101	1.5	3	1.0	30	60

[1]0 = resistant; 9 = highly susceptible

This information is produced through the joint efforts of the New Brunswick and Prince Edward Island Departments of Agriculture, the Agriculture and Agri-Food Canada Research Centre, Charlottetown, the Nova Scotia Crop Development Institute, and industry representatives.