

2013

Ontario Spring Cereal Performance Trials

Data collected 2008-2012

www.gocereals.ca



Conducted by the Ontario Cereal Crop Committee

Current as of November 5, 2012

Ontario Spring Cereal Performance Trials

This report has been prepared by the Ontario Cereal Crop Committee and contains the most recent varietal information on spring cereals that were planted and harvested in 2012.

ADDITIONAL INFORMATION

Additional information is available at www.gocereals.ca

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Table 1. 2012 Spring Wheat Performance Trial Cumulative Yield Index¹ Summary

Cultivar	Class ³	Area II ²					Area III ²					Area V ²				
		5 yr ⁴	4 yr	3 yr	2 yr	2012	5 yr ⁴	4 yr	3 yr	2 yr	2012	5 yr ⁴	4 yr	3 yr	2 yr	2012
AC Brio	HRS						100	104	104	103	105					
Norwell	HRS-a	105	105	106	101	100	96	96	94	93	94	103	100	102	102	98
Sable	HRS-a	109	109	104	105	105	101	102	101	99	101	102	101	100	100	98
Orleans	HRS						99	102	103	103	100	98	99	98	98	99
Megantic	HRS-a						94	92	91	93	95	100	98	97	99	98
HY 124-HRS	HRS-a	109	107	105	105	102	102	102	102	106	100	98	100	99	98	99
HY 017-HRS	HRS	103	100	100	100	99	103	101	103	101	99	101	101	100	98	99
Touran	HRS		94	96	95	98	105	103	105	103	103	102	103	104	106	106
Furano	HRS						100	104	102	98	88	98	101	103	103	108
MAJOR	HRS						100	103	101	93	85	98	97	100	99	99
RICHELIEU	HRS-a						100	101	99	100	99	100	103	102	100	100
Helios	HRS	90	90	91	89	88	98	98	97	98	100	98	98	95	98	91
Fuzion	HRS						99	101	99	100	101					
Glenn	HRS-a	98	97	96	101	104	94	91	96	99	103	97	96	96	97	106
Wilkin	HRS		113	111	107	103		99	98	99	101		100	99	99	97
KINGSEY	HRS							105	103	100	100		104	105	106	101
Griffon	HRS-a			98	96	99			98	100	100			100	102	103
Carberry	HRS-a			96	100	96			96	98	100			90	88	90
MAGOG	HRS								103	105	104			101	100	98
YORKTON	HRS									95	92				88	85
KLEOS	HRS										94					95
TOPAZE	HRS										95					93
HY 162-HRF	EFS-a	122	121	119	115	112	112	111	108	106	117	109	108	107	111	111
Batiscan	EFS-a						108	105	103	100	104	108	109	109	109	104
Tokson	EFS-a			105	107	105			106	107	105			100	101	110
Means (t/ha)		3.44	3.36	3.37	3.80	3.73	3.13	3.31	3.40	3.95	4.51	3.86	3.95	3.92	3.92	3.51
Means (bu/ac)		51.2	50.0	50.1	56.5	55.4	46.5	49.2	50.6	58.7	67.1	57.4	58.7	58.3	58.3	52.2
Locations		17	13	9	5	3	16	12	9	5	2	18	14	10	7	3

Notes:

1. Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.
2. See area map on GoCereals.ca website.
3. HRS = hard red spring, EFS = eastern feed spring, -a = awned
4. Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years

Table 2a - Ontario Spring Wheat Varietal Characteristics Based on Data from Area 2, 2012

Cultivar	Class ¹	**Fusarium Rating ²	**Years (fusarium Data)	Thousand							Leaf Rust (0-9) ³
				Test Weight (kg/hL)	Protein (%)	Kernel Weight (g)	Lodging (0-9) ³	Height (cm)	Heading ⁴ (days)	Mildew (0-9) ³	
Norwell	HRS-a	MS	9	77.0	15.2	31.2	2.8	95	54	1.7	0.5
Sable	HRS-a	HS	8	76.7	15.6	34.3	0.0	84	54	2.3	2.0
HY 124-HRS	HRS-a	HS	5	74.0	15.6	38.1	0.0	88	56	0.7	0.0
HY 017-HRS	HRS	S	5	75.5	13.9	30.9	1.0	80	54	7.0	0.0
Touran	HRS	MS	5	76.2	14.4	39.7	2.0	103	56	6.3	2.5
Helios	HRS	MS	4	73.8	15.6	33.4	4.5	93	52	7.0	2.0
Glenn	HRS-a	MS	4	76.2	15.6	32.5	2.0	91	52	6.7	0.0
Wilkin	HRS	S	3	73.4	14.3	30.2	0.0	84	56	0.0	0.0
Griffon	HRS-a	MS	2	75.7	16.6	32.7	2.3	99	53	6.3	0.0
Carberry	HRS-a	MR	2	76.8	15.8	33.0	0.3	84	52	5.7	0.0
HY 162-HRF	EFS-a	HS	4	74.6	14.6	39.6	2.5	90	52	0.7	1.0
Tokson	EFS-a	S	2	75.6	13.9	33.2	0.0	80	54	2.0	0.5
Means				75.5	15.1	34.0	1.4	89	54	3.9	0.7
Locations				3	1	3	1	2	4	1	1

Notes:

1. HRS = hard red spring, EFS = eastern feed spring, a = awned.
2. Fusarium ratings are based on Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.
MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)
- ** These columns will be updated when the 2012 data are available.
3. For ratings 0-9, a high score is undesirable.
4. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 2b - Ontario Spring Wheat Varietal Characteristics Based on Data from Area 3, 2012

Cultivar	Class ¹	**Fusarium Rating ²	**Years (fusarium Data)	Thousand					
				Test Weight (kg/hL)	Protein (%)	Kernel Weight (g)	Lodging (0-9) ³	Height (cm)	Heading ⁴ (days)
AC Brio	HRS	S	9	75.1	14.5	39.2	4.9	101	47
Norwell	HRS-a	MS	9	75.5	15.1	32.0	2.8	94	46
Sable	HRS-a	HS	8	74.7	15.4	33.8	1.4	81	46
Orleans	HRS	S	7	74.9	14.4	38.7	5.0	102	47
Megantic	HRS-a	MS	6	75.0	14.8	37.1	3.4	102	46
HY 124-HRS	HRS-a	HS	5	73.3	15.0	39.4	2.5	82	48
HY 017-HRS	HRS	S	5	73.8	14.0	31.4	3.1	77	47
Touran	HRS	MS	5	75.6	14.7	40.8	3.5	100	47
Furano	HRS	MR	4	75.1	15.4	35.8	2.9	100	53
MAJOR	HRS	MR	4	75.7	15.3	36.5	3.3	101	54
RICHELIEU	HRS-a	MS	3	73.5	14.5	36.1	3.6	102	49
Helios	HRS	MS	4	74.2	15.5	34.4	5.3	99	45
Fuzion	HRS	MR	4	74.5	14.7	37.0	4.4	110	49
Glenn	HRS-a	MS	4	77.9	15.2	34.0	1.9	90	45
Wilkin	HRS	S	3	73.1	14.1	32.4	2.0	82	48
KINGSEY	HRS	MS	3	75.3	14.9	39.5	4.6	111	51
Griffon	HRS-a	MS	2	74.3	16.2	33.9	3.8	100	46
Carberry	HRS-a	MR	2	75.5	15.3	33.4	1.8	82	45
MAGOG	HRS	S	2	75.5	14.4	39.1	4.9	101	47
YORKTON	HRS	--	--	74.3	15.8	33.9	3.5	99	48
KLEOS	HRS	--	--	74.7	15.3	39.3	4.1	103	46
TOPAZE	HRS	--	--	74.5	15.2	33.6	2.5	101	54
HY 162-HRF	EFS-a	HS	4	74.0	13.6	40.9	1.9	89	45
Batiscan	EFS-a	S	4	73.6	14.4	40.0	4.8	109	48
Tokson	EFS-a	S	2	74.6	13.9	35.3	1.3	81	46
Means				74.7	14.9	36.3	3.3	96	48
Locations				2	1	2	2	2	2

Notes:

1. HRS = hard red spring, EFS = eastern feed spring, a = awned.

2. Fusarium ratings are based on Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.

MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)

** These columns will be updated when the 2012 data are available.

3. For ratings 0-9, a high score is undesirable.

4. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 2c - Ontario Spring Wheat Varietal Characteristics Based on Data from Area 5, 2012

Cultivar	Class ¹	**Fusarium Rating ²	**Years (fusarium Data)	Thousand					Leaf Rust (0-9) ³	Straw Yield Index
				Test Weight (kg/hL)	Kernel Weight (g)	Height (cm)	Heading ⁴ (days)	Maturity ⁴ (days)		
Norwell	HRS-a	MS	9	76.3	33.7	76	51	91	2.0	91
Sable	HRS-a	HS	8	77.1	34.8	67	52	92	1.8	89
Orleans	HRS	S	7	75.0	35.5	86	53	93	3.0	92
Megantic	HRS-a	MS	6	75.7	36.9	87	51	88	2.0	99
HY 124-HRS	HRS-a	HS	5	75.6	41.7	75	54	95	1.8	122
HY 017-HRS	HRS	S	5	76.9	34.8	67	52	93	2.0	76
Touran	HRS	MS	5	76.1	40.5	86	53	92	1.8	96
Furano	HRS	MR	4	76.9	38.0	87	58	96	1.5	118
MAJOR	HRS	MR	4	75.9	37.4	89	60	98	1.5	142
RICHELIEU	HRS-a	MS	3	74.2	36.7	87	55	93	2.0	106
Helios	HRS	MS	4	74.3	33.0	80	51	90	2.8	86
Glenn	HRS-a	MS	4	79.6	36.2	76	50	92	2.0	86
Wilkin	HRS	S	3	73.4	33.3	73	53	92	1.5	104
KINGSEY	HRS	MS	3	76.6	38.7	89	56	94	2.3	112
Griffon	HRS-a	MS	2	76.2	35.4	84	51	94	1.5	104
Carberry	HRS-a	MR	2	77.5	34.3	71	50	94	1.5	100
MAGOG	HRS	S	2	75.2	35.8	85	52	91	2.8	81
YORKTON	HRS	--	--	74.8	33.2	76	54	92	2.5	86
KLEOS	HRS	--	--	73.9	38.8	85	51	90	3.5	84
TOPAZE	HRS	--	--	74.7	32.4	86	59	96	1.5	121
HY 162-HRF	EFS-a	HS	4	73.5	38.0	73	49	87	1.8	85
Batiscan	EFS-a	S	4	75.2	39.7	87	54	91	1.8	114
Tokson	EFS-a	S	2	76.1	37.0	68	51	91	1.5	106
Means				75.7	36.3	80	53	92	2.0	3.87
Locations				3	3	3	3	3	1	3

Notes:

1. HRS = hard red spring, EFS = eastern feed spring, SD = spring durum, a = awned.
2. Fusarium ratings are based on Fusarium head blight ratings and deoxynivalenol (DON) levels from inoculated provincial trials.
MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)
- ** These columns will be updated when the 2012 data are available.
3. For ratings 0-9, a high score is undesirable.
4. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 3. 2012 Spring Barley Performance Trial Cumulative Yield Index¹ Summary

Cultivar	Area II ²					Area III ²					Area V ²				
	5 yr ⁴	4 yr	3 yr	2 yr	2012	5 yr ⁴	4 yr	3 yr	2 yr	2012	5 yr ⁴	4 yr	3 yr	2 yr	2012
2 Rowed															
AC Kings	95	94	92	89	85										
AC Parkhill			94	92	90			97	98	105					
Chief	90	91	90	87	89	91	94	93	95	102					
Bornholm	99	100	102	104	103	98	100	100	103	101	99	99	97	98	97
HY 435-2R	100	102	101	102	104	101	101	100	102	106	101	100	100	99	100
Pandora							97	96	101	102		100	101	101	100
Conestogo			95	93	96			98	99	101					98
Bentley				92	88				86	85				91	90
6 Rowed															
Encore						105	104	105	104	101	101	101	100	99	96
Cyane	106	105	108	110	112	100	100	102	103	106	104	101	102	103	102
OAC Ripley					102										97
Dignity	107	109	113	111	109				96	92					99
HY 481-6R	107	106	104	105	105	102	100	101	99	103	104	104	106	105	110
Corcy			100	95	94	99	97	97	96	93					90
Yielder	105	105	107	106	103	103	102	105	100	95	95	94	94	93	87
SYNABELLE						104	102	101	100	104	102	102	102	103	106
OCEANIK						102	103	100	100	98	102	103	102	104	108
OAC Laverne	100	98	102	103	107	104	102	102	101	103					
Harmony						100	102	105	103	100	95	93	95	94	92
Synasolis						104	106	104	104	97	109	110	110	112	121
Raquel						102	104	103	105	113					
Amberly	100	99	101	103	103	99	100	101	100	94	104	106	107	110	118
HY 101-6R	114	112	107	103	97	108	105	104	102	104	103	103	103	102	103
Alliance					101										94
HY 460-6R		105	102	105	99		107	109	107	99		105	103	101	102
Rhea		98	102	104	100		106	107	106	100		100	101	100	99
HY 621-6R			112	109	116			108	111	122			109	110	119
Alyssa			101	101	98			101	99	97			104	104	106
Pédibelle										100					
Means (t/ha)	4.38	4.27	4.23	4.23	3.72	3.70	3.75	3.60	3.85	3.55	4.21	4.22	4.14	3.99	3.28
Means (bu/ac)	81.4	79.4	78.6	78.6	69.2	68.8	69.8	66.9	71.5	65.9	78.3	78.5	77.0	74.2	61.0
Locations	16	12	8	5	3	14	11	8	5	3	17	14	10	8	4

Notes:

1. Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.
2. See area map on GoCereals.ca website.
3. Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years

Table 4a - Ontario Spring Barley Varietal Characteristics Based on Data from Area 2, 2012

Cultivar	Class ¹	Thousand			Straw Break (0-9) ²	Heading ³ (days)	Leaf Rust (0-9) ²	Net Blotch (0-9) ²
		Test Weight (kg/hL)	Kernel Weight (g)	Height (cm)				
AC Kings	2R	63.2	45.1	88	0.3	60	0.8	1.5
AC Parkhill	2R	65.0	41.5	78	3.8	59	2.5	7.0
Chief	2R	59.5	46.5	87	3.5	59	1.0	6.0
Bornholm	2R	67.0	41.8	76	0.3	59	1.5	2.0
HY 435-2R	2R	63.9	39.1	81	2.3	59	0.8	1.0
Conestogo	2R	64.1	41.9	85	1.5	60	0.5	1.0
Bentley	2R	59.2	39.8	80	1.0	60	2.0	1.0
Cyane	6R	60.2	42.2	98	1.5	58	3.0	0.5
OAC Ripley	6R	61.2	37.8	86	0.3	56	4.0	1.0
Dignity	6R	61.7	40.0	81	0.3	58	2.3	1.0
HY 481-6R	6R	61.2	38.0	81	5.8	53	1.5	1.0
Corcy	6R	59.7	37.2	96	1.8	58	3.0	1.5
Yielder	6R	58.4	41.8	91	1.0	61	1.0	0.5
OAC Laverne	6R	63.3	38.1	84	0.0	57	1.3	1.5
Amberly	6R	60.4	41.4	90	1.0	60	5.3	1.5
HY 101-6R	6R	58.2	40.5	69	1.8	54	0.8	1.5
Alliance	6R	60.5	36.3	86	0.3	57	2.0	4.5
HY 460-6R	6R	62.0	37.4	75	0.0	58	3.8	1.0
Rhea	6R	60.5	38.7	89	0.0	60	4.5	1.5
HY 621-6R	6R	61.1	44.4	86	2.0	53	0.8	1.0
Alyssa	6R	58.5	38.2	91	2.8	61	6.0	2.0
Means		61.4	40.4	85	1.5	58	2.3	1.9
Locations		3	3	2	1	3	2	1

Notes:

1. 2R = 2 Row, 6R = 6 Row
2. For ratings 0-9, a high score is undesirable.
3. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 4b - Ontario Spring Barley Varietal Characteristics Based on Data from Area 3, 2012

Cultivar	Class ¹	Thousand				
		Test Weight (kg/hL)	Kernel Weight (g)	Height (cm)	Lodging (0-9) ²	Heading ³ (days)
AC Parkhill	2R	66.7	42.7	69	6.3	55
Chief	2R	62.7	46.0	76	5.8	56
Bornholm	2R	68.6	43.2	64	2.0	55
HY 435-2R	2R	67.5	43.6	70	3.8	55
Pandora	2R	67.0	44.2	70	4.3	55
Conestogo	2R	66.3	42.4	70	3.5	55
Bentley	2R	60.5	41.1	67	2.8	55
Encore	6R	60.1	38.2	71	2.5	59
Cyane	6R	63.1	42.2	80	2.5	57
Dignity	6R	63.8	41.9	71	2.5	56
HY 481-6R	6R	63.1	37.8	65	3.5	53
Corcy	6R	61.9	42.1	80	2.5	56
Yielder	6R	62.2	40.0	74	1.8	61
SYNABELLE	6R	60.7	42.8	79	4.3	56
OCEANIK	6R	59.8	39.4	77	4.3	56
OAC Laverne	6R	66.2	40.3	70	3.0	54
Harmony	6R	61.6	41.4	79	4.0	58
Synasolis	6R	59.7	36.1	70	3.8	60
Raquel	6R	67.3	44.9	77	5.8	55
Amberly	6R	62.5	40.9	74	2.8	59
HY 101-6R	6R	62.6	40.5	60	2.0	54
HY 460-6R	6R	63.8	37.8	67	1.0	55
Rhea	6R	61.4	39.5	73	1.0	61
HY 621-6R	6R	64.3	42.8	72	5.0	53
Alyssa	6R	60.2	37.4	70	3.8	60
Pédibelle	6R	62.9	40.8	68	3.0	55
Means		63.3	41.1	72	3.3	56
Locations		3	3	2	1	2

Notes:

1. 2R = 2 Row, 6R = 6 Row
2. For ratings 0-9, a high score is undesirable.
3. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 4c - Ontario Spring Barley Varietal Characteristics Based on Data from Area 5, 2012

Cultivar	Class ¹	Thousand					Straw Yield Index
		Test Weight (kg/hL)	Kernel Weight (g)	Height (cm)	Heading ³ (days)	Maturity ³ (days)	
Bornholm	2R	61.7	40.8	60	59	86	87
HY 435-2R	2R	60.9	40.7	65	59	86	94
Pandora	2R	61.1	41.4	65	59	88	97
Conestogo	2R	60.7	40.8	67	58	85	99
Bentley	2R	54.9	39.7	66	61	86	118
Encore	6R	54.5	39.1	73	61	91	127
Cyane	6R	55.5	41.0	72	60	90	95
OAC Ripley	6R	57.9	38.6	67	57	89	92
Dignity	6R	55.6	39.7	69	59	88	78
HY 481-6R	6R	58.0	37.8	66	54	89	75
Corcy	6R	55.8	41.0	74	58	90	102
Yielder	6R	56.2	40.0	72	62	91	114
SYNABELLE	6R	56.5	41.5	73	58	89	102
OCEANIK	6R	56.3	40.3	71	60	88	106
Harmony	6R	56.9	40.3	75	61	91	117
Synasolis	6R	56.6	38.5	64	62	90	104
Amberly	6R	60.1	44.7	74	60	91	119
HY 101-6R	6R	56.7	39.8	56	55	86	78
Alliance	6R	58.0	37.5	67	56	89	92
HY 460-6R	6R	59.2	38.4	61	58	89	87
Rhea	6R	56.1	39.1	67	62	93	103
HY 621-6R	6R	59.6	42.3	71	53	87	103
Alyssa	6R	56.7	41.1	72	61	91	111
Means		57.6	40.2	68	59	89	3.95
Locations		4	4	4	4	4	4

Notes:

1. 2R = 2 Row, 6R = 6 Row
2. For ratings 0-9, a high score is undesirable.
3. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 5. 2012 Oat Performance Trial Cumulative Yield Index¹ Summary

Cultivar	Area II ²					Area III ²					Area V ²				
	5 yr ^{3,4}	4 yr ⁴	3 yr ⁴	2 yr ⁴	2012 ⁴	5 yr ^{3,4}	4 yr ⁴	3 yr ⁴	2 yr ⁴	2012 ⁴	5 yr ^{3,4}	4 yr ⁴	3 yr ⁴	2 yr ⁴	2012 ⁴
Hulled															
Manotick	94	95	91	97	89	104	104	102	104	109					
Alcyon					94										98
Prescott	90	91	88	96	95	96	96	101	96	105	102	101	100	101	92
Robust	112	109	111	104	92	107	103	102	103	104	94	95	93	93	94
Bia											109	109	107	106	99
Canmore											105	105	105	106	100
RC Amaze	116	115	118	109	104	109	102	100	104	107	97	96	96	99	96
Synextra						96	99	104	101	104	99	98	98	95	94
Dieter						103	105	106	104	105	111	112	112	112	102
Avatar							103	104	105	108			108	108	108
Oscar					95										102
HY 174-OA		111	115	109	103		106	107	110	104		100	104	104	106
Optimum					104										97
Hidalgo								102	103	99			110	113	119
Vitality								105	106	102			106	108	102
Bradley			108	105	96			106	106	102			100	98	100
CANTAL								114	114	109			106	106	101
AAC Bullet				104	100				106	106				103	104
AAC Roskens					106					95					105
Nice					105					95					112
Means (t/ha)	3.69	3.64	3.44	4.18	4.78	3.96	4.17	4.07	3.84	4.68	4.26	4.14	4.35	4.19	3.46
Means (bu/ac)	96.9	95.4	90.3	109.6	125.4	104.1	109.4	106.8	100.9	122.9	111.7	108.7	114.3	109.9	90.8
Hulless															
Navaro						88	82	80	81	68	75	76	76	75	82
IDAHO									81	75				80	75
Means (t/ha)						2.87	2.89	2.77	2.53	3.15	3.20	3.21	3.30	3.21	2.45
Means (bu/ac)						75.3	75.8	72.6	66.4	82.7	84.0	84.3	86.7	84.4	64.4
Locations	16	12	8	5	2	10	8	6	4	2	17	14	10	7	3

Notes:

1. Values differing by less than 3 within a column may not represent true differences in yield. Yield Indices are Heritability Adjusted Relative Values (HARV), which favour results from trial locations with high repeatability. For more information, see: Yan, W. Use of HARV in Variety Trial Summaries.
2. See area map on GoCereals.ca website.
3. Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years
4. Rust races have overcome genetic resistance in the past 4 years, with some varieties being significantly impacted.

Table 6a - Ontario Oat Varietal Characteristics Based on Data from Area 2, 2012

Cultivar	Class ¹	Thousand					Crown Rust (0-9) ²	Stem Break (0-9) ²
		Test Weight (kg/hL)	Kernel Weight (g)	Heading ³ (days)	Height (cm)	Lodging (0-9) ²		
Manotick	yellow	44.7	40.1	55	88	7.3	7.0	0.5
Alcyon	white	47.4	36.3	58	98	7.5	8.0	1.3
Prescott	white	48.9	35.9	55	81	6.0	6.0	1.0
Robust	white	48.9	34.4	56	81	1.3	8.0	0.4
RC Amaze	white	48.4	36.4	55	82	4.3	6.0	1.1
Oscar	white	48.5	37.1	56	82	3.3	6.0	0.3
HY 174-OA	white	48.2	41.0	55	92	7.0	6.0	0.8
Optimum	white	44.0	29.5	62	85	6.5	2.0	0.5
Bradley	white	46.6	38.1	58	89	7.5	7.0	0.5
AAC Bullet	white	45.7	38.5	59	88	6.3	4.0	1.0
AAC Roskens	tan	47.6	33.4	59	87	8.8	4.0	4.3
Nice	white	43.1	36.1	61	94	8.5	9.0	1.8
Means		46.8	36.4	58	87	6.2	6.1	1.1
Locations		4	4	4	3	1	1	2

Notes:

1. hull colour or hullless

2. For ratings 0-9, a high score is undesirable.

3. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 6b - Ontario Oat Varietal Characteristics Based on Data from Area 3, 2012

Cultivar	Class ¹	Thousand				
		Test Weight (kg/hL)	Kernel Weight (g)	Heading ³ (days)	Height (cm)	Lodging (0-9) ²
Manotick	yellow	50.1	36.4	60	90	8.8
Prescott	white	54.2	31.5	60	88	7.0
Robust	white	54.3	29.9	62	90	3.8
RC Amaze	white	53.2	32.8	59	89	7.8
Synextra	white	54.4	33.0	66	102	8.0
Dieter	white	51.5	34.6	67	97	7.3
Avatar	yellow	55.0	32.0	64	92	7.3
HY 174-OA	white	53.4	34.8	60	100	7.8
Optimum	white	49.9	26.9	67	89	4.5
Hidalgo	white	49.0	29.2	66	89	6.8
Vitality	white	50.2	35.9	63	96	4.5
Bradley	white	50.3	33.9	63	95	6.5
CANTAL	white	56.4	34.4	66	111	7.8
AAC Bullet	white	51.9	37.4	63	90	4.5
AAC Roskens	tan	52.6	29.0	63	90	7.3
Nice	white	50.0	32.5	66	102	6.0
Navaro	hulless	66.4	27.6	67	85	1.8
IDAHO	hulless	67.3	25.1	60	97	6.3
Means		53.9	32.0	63	94	6.3
Locations		2	2	2	2	1

Notes:

1. hull colour or hulless
2. For ratings 0-9, a high score is undesirable.
3. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 6c - Ontario Oat Varietal Characteristics Based on Data from Area 5, 2012

Cultivar	Class ¹	Thousand					Lodging (0-9) ²	Stem Break (0-9) ²	Straw Yield Index
		Test Weight (kg/hL)	Kernel Weight (g)	Heading ³ (days)	Maturity ³ (days)	Height (cm)			
Alcyon	white	44.1	36.0	55	90	84	5.1	0.3	99
Prescott	white	45.5	33.8	53	87	72	5.1	2.3	97
Robust	white	46.7	32.4	55	88	72	1.4	0.0	86
Bia	white	41.7	33.6	59	92	83	4.5	0.8	103
Canmore	white	44.1	39.7	60	91	89	2.0	0.5	102
RC Amaze	white	44.2	34.9	53	86	74	6.6	6.8	78
Synextra	white	42.3	34.5	59	91	92	4.1	0.0	119
Dieter	white	45.8	39.5	59	91	87	5.1	3.0	123
Avatar	yellow	47.3	35.8	57	90	79	5.4	3.0	85
Oscar	white	44.9	36.6	53	87	76	4.6	0.0	88
HY 174-OA	white	44.9	38.7	53	90	82	5.8	2.3	98
Optimum	white	43.1	32.6	60	91	72	3.5	0.3	99
Hidalgo	white	45.6	36.1	59	91	79	4.3	0.0	99
Vitality	white	43.4	41.7	58	92	82	4.4	0.0	100
Bradley	white	44.4	36.6	56	91	82	6.3	2.0	102
CANTAL	white	47.3	37.4	59	90	93	4.5	0.8	116
AAC Bullet	white	42.1	38.3	58	93	75	1.6	0.0	118
AAC Roskens	tan	44.3	34.4	55	85	78	7.5	8.8	85
Nice	white	45.4	38.1	59	92	86	5.6	1.0	110
Navaro	hulless	51.6	31.3	60	93	76	0.3	0.0	116
IDAHO	hulless	54.8	28.5	53	86	78	6.9	8.3	77
Means		45.4	35.7	57	90	80	4.5	1.9	4.32
Locations		4	4	4	4	4	2	1	4

Notes:

1. hull colour or hulless
2. For ratings 0-9, a high score is undesirable.
3. Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

Table 7a - Ontario Spring Wheat Distributors 2012

Class¹	Variety	Distributor
hrs	AC Brio (QW547-31)	C & M Seeds
	Norwell (B89-12-51-1248) (awned)	C & M Seeds
	Sable (CM2032) (awned)	C & M Seeds
	Orleans (BS98-581)	Synagri
	Megantic (BS00-708) (awned)	Synagri
	HY 124-HRS (SW124-029) (awned)	Hyland Seeds
	HY 017-HRS (98S017-01)	Hyland Seeds
	Touran	Elite Seeds
	Furano (BS03-244)	C & M Seeds
	MAJOR (BS03-250)	Synagri
	RICHELIEU (BS02-126) (awned)	Pedigrain
	Helios (PT211)	Elite Seeds
	Fuzion (W984-8767)	Semences Prograin Inc
	Glenn (awned)	C & M Seeds
	Wilkin (ACS54617)	C & M Seeds
	KINGSEY (01SW5.10)	Semican Inc
efs	Griffon (SQB004) (awned)	Elite Seeds
	Carberry (BW 874) (awned)	SeCan Association
	MAGOG	Semican Inc
	YORKTON (07SW04)	Semican Inc
	KLEOS (Bolero)	Pedigrain
	TOPAZE (BS05-173)	Pedigrain
	HY 162-HRF (SW162-008) (awned)	Hyland Seeds
	Batiscan (01SW2.33) (awned)	Semican Inc
	Tokson (awned)	Elite Seeds

Notes:

1. hrs = hard red spring, efs = eastern feed spring.

Table 7b - Ontario Barley Distributors 2012

Class¹	Variety	Distributor
2r	AC Kings (AB 159-10)	Bramhill Seeds
	AC Parkhill (OBT 186-13)	SeCan Association
	Chief (CH 9202-32)	SeCan Association
	Bornholm (T367-032)	Hyland Seeds
	HY 435-2R (T435-036)	Hyland Seeds
	Pandora (T435-031)	Synagri
6r	Conestogo (SC 10B2R)	SeCan Association
	Bentley	C & M Seeds
	Encore (AB183-5)	SeCan Association
	Cyane (CFO142AA45)	Elite Seeds
	OAC Ripley (ADB016028)	Advantage Seed Growers
	Dignity (CRB026039)	SeCan Association
	HY 481-6R (C481-027)	Hyland Seeds
	Corcy (CFO227AA148)	Elite Seeds
	Yielder (UL016.6)	Elite Seeds
	SYNABELLE (OS99-17,93)	Synagri
	OCEANIK (OS99-19,64)	Synagri
	OAC Laverne (GB026019)	Bramhill Seeds
	Harmony (OS02-13,26)	Synagri
	Synasolis	Synagri
	Raquel (OS98-17,47)	Pedigrain
	Amberly (OS02-13,14)	PRO Seeds
	HY 101-6R (GB036101)	Hyland Seeds
	Alliance (GB046034)	Advantage Seed Growers
HY 460-6R (GB046001)	Hyland Seeds	
Rhea (UL097.8)	Elite Seeds	
HY 621-6R (C621-013)	Hyland Seeds	
Alyssa (UL138)	Elite Seeds	
Pédibelle (OS06-603)	Pedigrain	

Notes:

1. 2r = 2 Row, 6r = 6 Row

Table 7c - Ontario Oat Distributors 2012

Class	Variety	Distributor
hulled	Manotick (OA 981-9)	SeCan Association
	Alcyon (Lafayette)	Advantage Seed Growers
	Prescott (OA1021-1)	C & M Seeds
	Robust (P973A38-9-3-27)	PRO Seeds
	Bia (CFA00137)	Elite Seeds
	Canmore	Semican Inc
	RC Amaze (P971A41-4-6-7)	PRO Seeds
	Synextra (98AS9.23)	Synagri
	Dieter (OA1063-8)	SeCan Association
	Avatar (SO04278)	Pedigrain
	Oscar (Bailey)	Advantage Seed Growers
	HY 174-OA (OA1174-3)	Hyland Seeds
	Optimum (OA1228-1)	Eastern Grains Inc
	Hidalgo (SA04213)	Synagri
	Vitality	Synagri
	Bradley (OA1176-1)	SeCan Association
hulless	CANTAL	Semican Inc
	AAC Bullet (OA1251-1)	SeCan Association
	AAC Roskens	SeCan Association
	Nice	Elite Seeds
	Navaro	Semican Inc
	IDAHO (06ANS28)	Semican Inc

Table 7d - Distributor Contact Information

Distributor	Address	Telephone	Fax	Website
Advantage Seed Growers	P.O. Box 351, Lucknow, ON, N0G 2H0	519-440-6406	519-812-1010	www.advantageseeds.com
Bramhill Seeds	5220 Hwy 23, RR#2, Palmerston, ON, N0G 2P0	519-343-3630	519-343-2037	www.bramhillseeds.com
C&M Seeds	6180 5th Line, Palmerston, ON, N0G 2P0	1-888-733-9432	519-343-2126	www.redwheat.com
Eastern Grains Inc.	260 3rd Tier Road, LSD Drummond, NB, E3Y 2V2	506-473-6661	506-473-6606	www.easterngrains.ca
Elite Seeds	Available through your local Agromart	519-282-6701		www.eliteseeds.ca
Hyland Seeds	P.O. Box 1090, 2 Hyland Drive Blenheim, ON, N0P 1A0	519-676-8146	519-676-6800	www.hylandseeds.com
Pedigrain	5175 Boul. Laurier Est, St Hyacinthe, QC, J2R 2B4	819-347-7502	450-799-3229	
PRO Seeds of Canada	595570 County Rd 59, RR6, Woodstock, ON, N4S 7W1	1-888-537-5157	519-533-0773	www.proseeds.ca
SeCan	400-300 Terry Fox Drive, Kanata, ON, K2K 0E3	1-866-797-7874	613-592-9497	www.secan.com
Prograin	145 Bas Rivière Nord, St Césaire, QC, J0L 1T0	1-800-817-3732	450-469-4547	www.semencesprograin.com
Semican Inc	366, Rang 10, Plessisville, QC, G6L 2Y2	1-866-362-3385	819-362-3385	www.semican.ca
Synagri	5175 Boul. Laurier Est, St Hyacinthe, QC, J2R 2B4	450-799-3226	450-799-3229	www.synagri.ca