

2015

Ontario Spring Cereal Performance Trials

Data collected 2010-2014

www.gocereals.ca



Conducted by the Ontario Cereal Crop Committee

Current as of April 7, 2015

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 2014.

ADDITIONAL INFORMATION

Additional information is available at www.gocereals.ca, including

- Map with area and individual locations
- Head to Head comparisons which also provide multi-year data
- Historical Performance reports

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Table 1. 2014 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	2014	5 yr ⁴	4 yr	3 yr	2 yr	2014	5 yr ⁴	4 yr	3 yr	2 yr	2014
Norwell	HRS-a	102	98	97	95	92	97	97	98	100	107	102	102	100	102	100
Sable	HRS-a	101	100	100	97	94	101	100	101	101	99	101	101	101	102	96
Orleans	HRS						100	99	97	96	88	99	99	99	100	100
Megantic	HRS-a						93	94	96	96	95	99	101	101	102	100
HY 124-HRS	HRS-a	105	105	104	105	105	99	99	96	94	94	98	98	98	97	95
HY 017-HRS	HRS-a	96	94	93	90	90	100	98	97	96	92	102	101	102	105	104
Touran	HRS-a						103	101	100	99	94					
Furano	HRS						104	103	102	107	107	102	102	103	100	87
MAJOR	HRS						101	98	98	102	108	100	100	100	100	103
RICHELIEU	HRS-a						96	95	93	91	95	102	101	101	102	101
Fuzion	HRS						98	98	97	96	98				99	102
Wilkin	HRS	106	103	100	99	100	96	96	96	94	96	101	101	102	105	109
AAC Scotia	HRS-a	108	103	105	106	107	112	109	111	110	115	108	108	107	111	111
KINGSEY	HRS						101	99	99	98	101	104	104	101	102	104
Carberry	HRS-a	92	92	89	86	83	92	92	90	87	85	90	89	90	91	90
MAGOG	HRS						101	100	99	97	92	100	99	98	98	101
TOPAZE	HRS-a							102	100	102	105		91	91	89	93
KLEOS	HRS								93	92	85			95	94	92
SS Blomidon	HRS					108					110					103
Moka	HRS					89					87					100
HY 162-HRF	EFS-a	116	114	112	112	111	110	109	113	112	111	106	108	107	104	106
Hoffman	EFS-a			111	114	116			111	110	109					
Bangor	EFS-a					98					110					103
Means (t/ha)		3.72	4.07	4.11	4.34	4.58	3.27	3.48	3.46	3.04	3.09	4.00	4.02	3.90	4.19	3.94
Means (bu/ac)		55	61	61	65	68	49	52	51	45	46	60	60	58	62	59
Locations		15	11	9	6	4	15	11	8	6	3	15	12	8	5	2

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, 2014

Cultivar	Class ¹	Fusarium Rating ²	Years (fusarium Data)	Test		Thousand Kernel			Height (cm)	Heading ⁴ (days)	Mildew (0-9) ³	Leaf	Leaf	Septoria		
				Weight (kg/hL)	Protein (%)	Weight (g)	Lodging (0-9) ³	Rust (0-9) ³				Septoria (0-9) ³	Glume Blotch (0-9) ³	Stem Rust (0-9) ³	Straw Break (0-9) ³	
Norwell	HRS-a	MS	12	77.7	13.1	37.8	0.6	95	45	1.3	0.5	4.1	2.0	1.3	1.0	
Sable	HRS-a	HS	11	75.7	13.6	37.9	0.0	78	45	1.0	1.4	3.8	2.5	1.8	1.0	
HY 124-HRS	HRS-a	HS	8	75.6	13.4	44.7	0.9	83	49	0.5	0.7	3.1	2.0	1.3	1.0	
HY 017-HRS	HRS-a	S	8	77.0	12.9	40.6	0.8	81	47	2.5	0.8	4.0	3.5	1.5	1.0	
Wilkin	HRS	S	6	75.0	12.5	37.2	0.4	85	47	1.0	0.7	3.5	3.0	1.0	1.0	
AAC Scotia	HRS-a	MR	6	76.5	11.9	42.4	4.5	113	50	0.8	1.0	3.3	2.0	1.5	1.0	
Carberry	HRS-a	MS	5	77.3	13.7	39.6	0.5	80	44	3.0	0.8	4.1	1.5	2.0	1.0	
SS Blomidon	HRS	S	1	75.2	12.4	41.1	1.0	93	50	1.0	1.6	3.4	2.0	0.8	1.3	
Moka	HRS	MS	1	78.1	12.3	43.0	2.3	97	44	0.8	2.5	4.9	2.5	2.0	3.0	
HY 162-HRF	EFS-a	HS	7	77.0	11.9	43.8	0.8	84	44	0.8	1.8	3.4	2.0	2.0	1.0	
Hoffman	EFS-a	MS	3	76.3	11.5	47.1	3.5	109	49	0.5	0.8	3.7	2.0	2.3	1.3	
Bangor	EFS-a	MR	1	75.1	11.6	44.0	1.1	106	49	1.0	1.1	3.6	5.0	2.3	1.0	
Means				76.4	12.6	41.6	1.4	92	47	1.2	1.1	3.7	2.5	1.6	1.2	
Locations				4	4	4	2	4	4	2	3	4	1	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)
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, 2014

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)	Mildew (0-9) ³	Leaf Septoria (0-9) ³
Norwell	HRS-a	MS	12	76.9	14.4	35.1	0.0	89	43	0.0	0.0
Sable	HRS-a	HS	11	75.8	14.6	36.0	0.0	74	45	1.3	0.0
Orleans	HRS	S	10	75.0	13.4	39.7	0.0	95	46	0.0	0.0
Megantic	HRS-a	MS	9	77.9	14.0	41.8	0.5	101	44	0.0	2.7
HY 124-HRS	HRS-a	HS	8	74.4	14.5	41.7	0.0	77	48	3.3	2.7
HY 017-HRS	HRS-a	S	8	75.1	14.1	36.3	0.0	71	45	0.0	3.3
Touran	HRS-a	MS	8	75.2	14.3	41.8	0.0	92	46	0.0	2.7
Furano	HRS	MR	7	77.5	13.4	38.9	0.0	97	51	1.7	5.7
MAJOR	HRS	MR	7	77.9	13.2	39.2	0.0	100	51	0.0	4.7
RICHELIEU	HRS-a	MS	6	74.5	12.7	40.6	0.6	94	48	0.0	3.7
Fuzion	HRS	MS	7	76.6	13.6	40.0	2.8	98	47	0.0	4.3
Wilkin	HRS	S	6	72.6	13.3	34.2	0.0	75	46	0.0	1.0
AAC Scotia	HRS-a	MR	6	75.4	12.4	44.5	2.8	105	49	1.0	2.7
KINGSEY	HRS	MS	6	76.5	13.6	43.7	2.3	97	48	1.0	5.0
Carberry	HRS-a	MS	5	76.6	14.6	32.9	0.0	71	43	0.0	0.0
MAGOG	HRS	S	5	75.6	13.8	38.9	0.0	93	46	0.0	0.0
TOPAZE	HRS-a	MR	4	77.2	12.8	36.3	0.2	96	52	1.0	2.0
KLEOS	HRS	MS	3	74.3	14.6	40.3	0.5	90	45	0.0	0.0
SS Blomidon	HRS	S	1	74.7	14.0	41.7	0.0	91	48	1.0	4.3
Moka	HRS	MS	1	77.0	14.1	43.7	1.9	90	43	1.0	1.3
HY 162-HRF	EFS-a	HS	7	73.5	13.0	42.9	0.5	79	43	0.0	3.0
Hoffman	EFS-a	MS	3	75.3	12.3	48.9	1.6	99	48	0.0	1.3
Bangor	EFS-a	MR	1	73.8	12.3	41.0	0.2	96	48	0.0	1.0
Means				75.6	13.6	40.0	0.6	90	47	0.5	2.2
Locations				3	3	3	2	3	2	1.0	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)
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, 2014

Cultivar	Class ¹	Fusarium Rating ²	Years (fusarium Data)	Test	Thousand	Height (cm)	Heading ⁴ (days)	Straw Yield Index
				Weight (kg/hL)	Kernel Weight (g)			
Norwell	HRS-a	MS	12	73.4	36.2	91	55	87
Sable	HRS-a	HS	11	72.1	36.8	80	55	89
Orleans	HRS	S	10	73.4	40.6	99	56	91
Megantic	HRS-a	MS	9	73.5	40.6	102	55	96
HY 124-HRS	HRS-a	HS	8	71.8	44.0	83	56	92
HY 017-HRS	HRS-a	S	8	73.7	36.3	77	55	99
Furano	HRS	MR	7	73.0	37.5	104	61	96
MAJOR	HRS	MR	7	74.3	38.8	108	61	131
RICHELIEU	HRS-a	MS	6	72.2	42.3	107	57	100
Fuzion	HRS	MS	7	72.6	39.7	111	58	107
Wilkin	HRS	S	6	71.9	36.5	81	55	98
AAC Scotia	HRS-a	MR	6	71.6	41.8	108	59	125
KINGSEY	HRS	MS	6	74.6	44.4	106	59	109
Carberry	HRS-a	MS	5	74.1	36.9	80	55	78
MAGOG	HRS	S	5	71.4	38.1	97	56	82
TOPAZE	HRS-a	MR	4	73.1	36.5	109	61	130
KLEOS	HRS	MS	3	71.3	39.7	95	56	85
SS Blomidon	HRS	S	1	70.9	39.3	95	59	112
Moka	HRS	MS	1	74.4	42.5	101	55	101
HY 162-HRF	EFS-a	HS	7	72.3	44.2	82	55	83
Bangor	EFS-a	MR	1	70.5	39.4	110	59	108
Means				72.7	39.6	96	57	5.27 t/ha
Locations				2	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
MR=moderately resistant (best); MS=moderately susceptible; S=susceptible; HS=highly susceptible (worst)
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. 2014 Spring Barley Performance Trial Cumulative Yield Index¹ Summary

Cultivar	Area II ²					Area III ²					Area V ²				
	5 yr ³	4 yr	3 yr	2 yr	2014	5 yr ³	4 yr	3 yr	2 yr	2014	5 yr ³	4 yr	3 yr	2 yr	2014
2 Rowed															
AC Kings	93	92	92	94	99										
AC Parkhill	94	93	93	94	93	92	91	92	84	79					
Bornholm	101	101	101	100	96	97	98	96	93	84	99	99	99	101	95
Pandora						96	99	99	98	92	102	102	102	103	101
Conestogo	97	96	98	98	95	98	98	99	97	83					
AAC Purpose					96					95					94
6 Rowed															
Cyane	108	108	108	107	110	105	106	108	109	108					
OAC Ripley			100	100	99				100	98			93	89	85
Dignity	110	108	108	107	104		98	96	99	100					
HY 481-6R	104	104	104	104	97	100	98	100	98	94	105	105	107	105	108
SYNABELLE											103	103	104	103	101
OCEANIK						98	97	95	94	101	102	104	105	103	107
OAC Laverne	102	102	103	102	98	101	101	101	100	95					
Harmony						110	110	111	117	118	96	95	96	98	104
Synasolis											110	112	115	110	108
Raquel						103	104	106	102	103					
Amberly	100	101	101	99	102	101	101	99	101	110					
Alliance			106	107	105				103	104			96	98	95
HY 621-6R	114	113	116	116	110	108	109	113	107	102	106	107	109	102	96
AAC Mirabel								105	103	104			102	109	110
OAC Belwood			103	101	97			103	97	90			103	103	101
Boroe															111
Pédibelle								100	101	104					
Masky									93	105				104	106
Chambly									111	98				101	93
6 Rowed Hulless															
AAC Azimuth															87
Means (t/ha)	4.34	4.37	4.22	4.49	5.28	3.73	3.90	3.79	3.97	4.78	4.11	4.01	3.64	4.04	4.09
Means (bu/ac)	81	81	78	84	98	69	73	70	74	89	76	75	68	75	76
Locations	16	13	11	8	4	13	10	8	5	2	15	13	9	5	2

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, 2014

Cultivar	Class ¹	Test Thousand						Scald (0-9) ²	Net Blotch (0-9) ²	Spot Blotch (0-9) ²
		Weight (kg/hL)	Kernel Weight (g)	Height (cm)	Lodging (0-9) ²	Heading ³ (days)	Maturity ³ (days)			
AC Kings	2R	63.8	54.3	90	3.1	50	78	1.5	1.0	4.3
AC Parkhill	2R	66.4	53.1	76	1.9	50	77	2.0	1.5	4.4
Bornholm	2R	65.9	50.3	72	0.7	50	77	2.0	3.0	4.8
Conestogo	2R	65.4	51.7	82	3.0	49	78	2.0	1.0	5.0
AAC Purpose	2R	61.1	61.9	90	4.5	52	79	4.0	1.5	4.5
Cyane	6R	61.4	51.0	96	0.9	52	81	1.5	1.5	3.5
OAC Ripley	6R	61.3	48.3	86	0.9	48	79	1.0	2.0	3.0
Dignity	6R	59.3	48.9	88	1.2	50	78	2.0	2.0	3.5
HY 481-6R	6R	57.9	45.0	78	1.6	45	78	1.0	1.0	2.9
OAC Laverne	6R	62.6	46.6	86	1.1	47	79	2.5	1.0	3.5
Amberly	6R	60.6	50.9	97	2.7	52	81	2.0	1.5	3.4
Alliance	6R	59.7	45.9	89	1.4	47	78	2.5	2.0	3.9
HY 621-6R	6R	59.5	50.4	82	2.9	45	79	2.0	1.0	3.3
OAC Belwood	6R	61.8	51.8	75	0.6	44	78	2.0	1.5	3.3
Means		61.9	50.7	85	1.9	49	79	2.0	1.5	3.8
Locations		4	4	4	4	4	1	1	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 4b - Ontario Spring Barley Varietal Characteristics Based on Data from Area 3, 2014

Cultivar	Class ¹	Thousand					Mildew (0-9) ²	Spot Blotch (0-9) ²
		Test Weight (kg/hL)	Kernel Weight (g)	Height (cm)	Heading ³ (days)	Maturity ³ (days)		
AC Parkhill	2R	70.3	46.2	72	56	78	0.0	5.5
Bornholm	2R	71.0	47.4	60	54	78	0.0	5.8
Pandora	2R	70.7	47.5	77	54	79	0.0	4.3
Conestogo	2R	69.2	45.5	71	54	77	0.0	5.1
AAC Purpose	2R	65.7	55.9	79	55	82	0.0	5.5
Cyane	6R	66.0	49.1	86	55	83	0.0	2.6
OAC Ripley	6R	67.5	43.0	77	55	82	0.0	3.3
Dignity	6R	66.9	46.7	82	53	82	0.0	3.6
HY 481-6R	6R	64.2	41.3	74	47	78	0.0	3.4
OCEANIK	6R	65.2	46.4	84	54	81	4.5	3.9
OAC Laverne	6R	69.0	44.0	79	52	81	0.0	3.5
Harmony	6R	66.4	47.9	95	54	82	2.8	2.8
Raquel	6R	68.7	48.0	87	53	79	0.0	2.6
Amberly	6R	66.3	49.3	89	55	83	5.5	2.8
Alliance	6R	66.8	44.0	82	53	82	0.0	3.4
HY 621-6R	6R	65.9	46.5	76	49	79	0.0	3.3
AAC Mirabel	6R	66.2	46.1	86	53	82	0.0	3.9
OAC Belwood	6R	66.8	46.7	71	47	78	0.0	3.5
Pédibelle	6R	67.0	45.2	92	56	81	3.8	3.1
Masky	6R	68.4	44.2	77	55	80	3.0	3.8
Chambly	6R	65.8	47.8	76	55	82	1.0	3.6
Means		67.3	46.6	80	53	80	1.0	3.8
Locations		2	2	2	2	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, 2014

Cultivar	Class ¹	Test	Thousand	Height (cm)	Lodging (0-9) ³	Heading ³ (days)	Maturity ³ (days)	Straw Yield Index
		Weight (kg/hL)	Kernel Weight (g)					
Bornholm	2R	62.9	47.5	64	0.0	54	95	108
Pandora	2R	62.2	46.7	75	0.0	60	95	100
AAC Purpose	2R	57.7	53.9	86	0.0	63	99	125
OAC Ripley	6R	58.3	41.9	76	0.0	63	101	93
HY 481-6R	6R	59.2	43.5	69	2.5	55	97	98
SYNABELLE	6R	59.9	44.7	78	1.8	61	101	91
OCEANIK	6R	57.0	44.5	82	0.0	61	99	97
Harmony	6R	58.3	47.6	92	1.5	60	101	115
Synasolis	6R	56.9	42.7	72	0.0	64	102	94
Alliance	6R	58.5	41.4	75	0.0	60	101	108
HY 621-6R	6R	59.5	46.9	73	4.3	57	97	75
AAC Mirabel	6R	57.8	44.7	84	0.0	59	99	122
OAC Belwood	6R	60.6	47.5	66	0.0	56	95	76
Boroe	6R	59.6	46.3	82	0.0	55	101	86
Masky	6R	59.9	41.9	74	0.0	61	102	97
Chambly	6R	58.2	47.7	75	0.0	61	103	102
AAC Azimuth	6R hulless	64.2	40.0	80	0.5	61	101	112
Means		59.4	45.2	77	0.6	59	99	4.23 t/ha
Locations		2	2	2	1	2	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 5. 2014 Oat Performance Trial Cumulative Yield Index¹ Summary

Cultivar	Area II ²					Area III ²					Area V ²				
	5 yr ³	4 yr	3 yr	2 yr	2014	5 yr ³	4 yr	3 yr	2 yr	2014	5 yr ³	4 yr	3 yr	2 yr	2014
Hulled															
OAC Markdale				88	81				104	109					
Robust	100	93	87	85	79	97	96	94	90	95					
Canmore											103	103	99	98	100
RC Amaze	104	96	90	85	78	101	103	103	101	92					
Synextra						99	96	95	91	97	96	94	93	92	93
Dieter						102	99	98	95	102	109	108	102	102	100
Avatar						100	99	98	93	103	107	106	105	104	105
Oscar			84	81	70				103	95			102	101	109
HY 174-OA	107	103	99	98	86	102	102	97	93	88	102	102	101	98	94
Hidalgo						92	90	85	78	89	107	107	107	100	97
Vitality						104	104	102	102	100	105	106	103	104	96
Bradley	104	101	97	98	91	104	104	102	102	104	99	97	98	96	91
CANTAL															
AAC Bullet		118	123	130	145		109	110	113	103		103	103	102	105
AAC Roskens			107	107	104			110	117	111					
Nice													109	107	100
Riley			97	92	75			104	108	102			98	91	86
AAC Almonte				113	123					111	114			100	105
Bolina				81	59					106	99			104	107
CDC Orrin										101	107				
AAC Oaklin				117	126					118	106			103	104
AAC Pontiac					116						107				106
Kara					128						111				120
Akina					137						113				122
AAC Nicolas															121
Hulless															
Navaro						81	82	78	82	69	78	77	81	81	67
IDAHO							83	82	85	84		80	78	80	66
Means (t/ha)	3.38	3.71	3.82	3.52	3.56	3.93	3.83	4.16	3.99	4.15	4.04	3.91	3.60	3.73	3.72
Means (bu/ac)	89	97	100	92	94	103	101	109	105	109	106	103	94	98	98
Locations	14	11	8	6	3	10	8	6	4	2	15	12	8	5	2

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
- Rust races have overcome genetic resistance in the past 6 years, with some varieties being significantly impacted.

Table 6a - Ontario Oat Varietal Characteristics Based on Data from Area 2, 2014

Cultivar	Class ¹	Test Weight (kg/hL)	Thousand Kernel Weight (g)	Heading ³ (days)	Height (cm)	Lodging (0-9) ²	Stem Rust (0-9) ²	Crown Rust (0-9) ²	Leaf Septoria (0-9) ²	Stem Break (0-9) ²
OAC Markdale	white	45.7	32.2	48	106	5.8	3.0	5.2	3.4	1.5
Robust	white	40.7	28.9	48	92	5.2	4.5	6.1	4.2	1.8
RC Amaze	white	44.0	33.5	46	95	5.0	2.3	5.3	3.6	1.3
Oscar	white	45.3	32.7	46	94	5.6	1.8	5.6	4.3	2.5
HY 174-OA	white	42.8	34.5	46	108	6.3	1.3	5.1	3.4	2.0
Bradley	white	41.5	34.9	51	111	5.4	1.3	4.2	3.6	1.5
AAC Bullet	white	49.1	43.4	52	107	4.1	0.0	1.7	2.0	1.0
AAC Roskens	tan	49.8	34.6	51	105	6.4	0.8	2.8	3.7	3.5
Riley	white	42.9	31.8	52	115	6.9	1.8	5.3	2.9	3.8
AAC Almonte	tan	49.9	39.6	56	117	5.6	0.3	1.3	2.5	1.8
Bolina	white	41.9	28.0	51	98	6.5	2.5	5.6	4.0	4.5
AAC Oaklin	white	50.4	44.1	53	108	4.5	0.0	0.9	2.4	1.8
AAC Pontiac	white	46.3	33.2	58	109	5.1	0.3	2.3	2.3	1.3
Kara	white	49.0	38.9	52	97	1.7	0.5	2.8	2.6	1.0
Akina	white	46.0	37.9	51	101	1.9	0.0	3.4	2.6	1.3
Means		45.7	35.2	51	104	5.1	1.3	3.8	3.2	2.0
Locations		4	4	4	4	4	1	3	3	1

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, 2014

Cultivar	Class ¹	Thousand					Stem	Crown	Leaf
		Test Weight (kg/hL)	Kernel Weight (g)	Heading ³ (days)	Height (cm)	Lodging (0-9) ²	Rust (0-9) ²	Rust (0-9) ²	Septoria (0-9) ²
OAC Markdale	white	52.8	40.3	56	95	0.0	0.5	3.0	6.3
Robust	white	52.7	36.9	56	84	0.0	1.8	4.0	4.8
RC Amaze	white	50.1	39.5	52	90	1.5	0.6	4.0	2.8
Synextra	white	53.5	39.9	59	107	1.8	1.6	4.3	3.8
Dieter	white	51.3	41.7	59	95	2.0	0.8	4.8	5.3
Avatar	yellow	52.7	39.8	58	93	2.5	0.4	2.5	5.0
Oscar	white	51.5	38.6	55	88	2.0	0.5	3.5	2.3
HY 174-OA	white	50.8	43.1	55	94	0.0	3.4	2.3	4.3
Hidalgo	white	48.8	37.0	59	91	3.3	1.5	4.8	1.0
Vitality	white	49.4	45.1	58	99	0.0	2.1	1.8	2.0
Bradley	white	51.1	42.7	57	99	0.0	1.3	2.0	4.5
AAC Bullet	white	52.2	46.2	58	89	0.8	1.1	0.8	1.5
AAC Roskens	tan	51.5	38.4	55	92	0.0	0.8	1.3	4.0
Riley	white	51.4	40.8	58	101	0.5	1.3	2.8	4.3
AAC Almonte	tan	52.9	41.8	59	97	0.0	0.3	0.0	1.0
Bolina	white	51.8	36.1	57	83	0.5	1.3	4.0	3.3
CDC Orrin	white	51.4	43.8	59	98	1.3	2.1	3.5	3.8
AAC Oaklin	white	51.9	46.3	58	91	0.0	0.0	0.0	3.3
AAC Pontiac	white	51.2	40.5	57	91	0.0	1.0	0.5	5.5
Kara	white	51.3	42.8	59	92	0.0	2.0	2.0	7.5
Akina	white	49.6	41.0	56	90	0.0	1.4	1.5	5.8
Navaro	hulless	60.8	36.0	59	87	0.0	1.4	1.5	5.3
IDAHO	hulless	62.7	34.2	59	92	0.0	1.1	2.8	3.0
Means		52.3	40.5	57	93	0.7	1.2	2.5	3.9
Locations		2	2	1	2	1	2	1	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, 2014

Cultivar	Class ¹	Thousand					
		Test Weight (kg/hL)	Kernel Weight (g)	Heading ³ (days)	Maturity ³ (days)	Height (cm)	Lodging (0-9) ²
Canmore	white	41.2	40.9	58	102	104	4.0
Synextra	white	43.1	37.1	57	102	110	4.4
Dieter	white	39.8	38.3	60	99	105	4.8
Avatar	yellow	45.6	37.0	58	102	94	7.6
Oscar	white	42.7	36.8	54	102	92	5.4
HY 174-OA	white	40.9	38.9	54	102	104	3.8
Hidalgo	white	39.2	33.5	59	99	93	5.9
Vitality	white	40.1	41.4	55	102	99	5.6
Bradley	white	38.2	35.9	57	102	101	3.6
CANTAL	white	44.4	36.5	58	102	114	4.8
AAC Bullet	white	41.5	40.7	59	102	89	1.3
Nice	white	40.6	39.7	58	102	104	5.3
Riley	white	40.1	36.2	57	99	100	6.0
AAC Almonte	tan	45.3	38.6	60	99	101	5.6
Bolina	white	43.4	32.5	58	102	92	5.1
AAC Oaklin	white	42.4	39.0	57	102	94	1.9
AAC Pontiac	white	41.9	35.5	62	102	93	4.1
Kara	white	44.2	38.9	58	102	91	0.6
Akina	white	40.0	39.2	57	99	90	1.4
AAC Nicolas	white	38.8	35.4	61	99	97	2.1
Navaro	hulless	49.5	31.2	59	102	91	0.8
IDAHO	hulless	49.2	28.2	59	105	98	2.9
Means		42.4	36.9	58	101	98	3.9
Locations		2	2	2	1	2	2

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 2014

Class¹	Variety	Distributor
hrs	Norwell (awned)	C & M Seeds
	Sable (awned)	C & M Seeds
	Orleans	SeCan Association
	Megantic (awned)	Synagri
	HY 124-HRS (awned)	Hyland Seeds
	HY 017-HRS (awned)	Hyland Seeds
	Touran (awned)	Elite Seeds
	Furano	C & M Seeds
	MAJOR	Synagri
	RICHELIEU (awned)	Pedigrain
	Fuzion	Semences Prograin Inc
	Wilkin	C & M Seeds
	AAC Scotia (awned)	Semican Inc
	KINGSEY	Semican Inc
	Carberry (awned)	SeCan Association
	MAGOG	Semican Inc
	TOPAZE (awned)	Pedigrain
	KLEOS	Synagri
	SS Blomidon	Elite Seeds
	Moka	Semican Inc
efs	HY 162-HRF (awned)	Hyland Seeds
	Hoffman (awned)	Elite Seeds
	Bangor (awned)	Semican Inc

Notes:

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

Table 7b - Ontario Barley Distributors 2014

Class¹	Variety	Distributor
2r	AC Kings	Bramhill Seeds
	AC Parkhill	SeCan Association
	Bornholm	Hyland Seeds
	Pandora	Synagri
6r	Conestogo	SeCan Association
	AAC Purpose	Bramhill Seeds
	Cyane	Elite Seeds
	OAC Ripley	Advantage Seed Growers
	Dignity	SeCan Association
	HY 481-6R	Hyland Seeds
	SYNABELLE	Synagri
	OCEANIK	Synagri
	OAC Laverne	Bramhill Seeds
	Harmony	Synagri
	Synasolis	Synagri
	Raquel	Pedigrain
	Amberly	PRO Seeds/Sevita International
	Alliance	Advantage Seed Growers
	HY 621-6R	Hyland Seeds
	AAC Mirabel	SeCan Association
OAC Belwood	SeCan Association	
Boroe	Elite Seeds	
Pédibelle	Pedigrain	
Masky	Synagri	
Chambly	Semences Prograin Inc	
6r hullless	AAC Azimuth	Pedigrain

Notes:

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

Table 7c - Ontario Oat Distributors 2014

Class	Variety	Distributor
hulled	OAC Markdale	PRO Seeds/Sevita International
	Robust	PRO Seeds/Sevita International
	Canmore	Semican Inc
	RC Amaze	PRO Seeds/Sevita International
	Synextra	Synagri
	Dieter	SeCan Association
	Avatar	Pedigrain
	Oscar	Advantage Seed Growers
	HY 174-OA	Hyland Seeds
	Hidalgo	Synagri
	Vitality	Synagri
	Bradley	SeCan Association
	CANTAL	Semican Inc
	AAC Bullet	SeCan Association
	AAC Roskens	SeCan Association
	Nice	Elite Seeds
	Riley	C & M Seeds
	AAC Almonte	SeCan Association
	Bolina	Elite Seeds
	CDC Orrin	Semican Inc
AAC Oaklin	C & M Seeds	
AAC Pontiac	Semican Inc	
Kara	Elite Seeds	
Akina	Elite Seeds	
AAC Nicolas	SeCan Association	
hulless	Navaro	Semican Inc
	IDAHO	Semican Inc

Table 7d - Distributor Contact Information

Distributor	Address
Advantage Seed Growers	P.O. Box 351, Lucknow, ON, N0G 2H0 Tel: 519-440-6406 Fax: 519-812-1010 Internet: www.advantageseeds.com
Bramhill Seeds	5220 Hwy 23, RR#2, Palmerston, ON, N0G 2P0 Tel: 519-343-3630 Fax: 519-343-2037 Internet: www.bramhillseeds.com
C&M Seeds	6180 5th Line, Palmerston, ON, N0G 2P0 Tel: 1-888-733-9432 Fax: 519-343-3792 Internet: www.redwheat.com
Elite Seeds	Available through your local Agromart Tel: 519-282-6701 Internet: www.eliteseeds.ca
Hyland Seeds	P.O. Box 1090, 5 Hyland Drive Blenheim, ON, N0P 1A0 Tel: 519-676-8146 Fax: 519-676-6800 Internet: www.hylandseeds.com
Pedigrain	5175 Boul. Laurier Est, St Hyacinthe, QC, J2R 2B4 Tel: 819-347-7502 Fax: 450-799-3229
PRO Seeds/Sevita International	595570 County Rd 59, RR6 Woodstock, ON, N4S 7W1 Tel: 1-888-537-5157 Fax: 519-533-0773 Internet: www.proseeds.ca
SeCan	400-300 Terry Fox Drive, Kanata, ON, K2K 0E3 Tel: 1-866-797-7874 Fax: 613-592-9497 Internet: www.secan.com
Semences Prograin	145 Bas Rivière Nord, St Césaire, QC, J0L 1T0 Tel: 1-800-817-3732 Fax: 450-469-4547 Internet: www.semencesprograin.com
Semican Inc	366, Rang 10, Plessisville, QC, G6L 2Y2 Tel: 1-866-362-3385 Fax: 819-362-3385 Internet: www.semican.ca
Synagri	5175 Boul. Laurier Est, St Hyacinthe, QC, J2R 2B4 Tel: 450-799-3226 Fax: 450-799-3229 Internet: www.synagri.ca