

Agriculture Development Branch 2008 Performance Trials for Spring Cereal Crops

Prepared by the Ontario Cereal Crop Committee

Infosheet

NOVEMBER 2007

Last Updated Dec 13, 2007

This infosheet contains the most recent varietal information on spring cereals that were planted and harvested in 2007.

Additional information on these trials is available at www.gocereals.ca

REFERENCES:

OMAFRA Publication 811, Agronomy Guide for Field Crops

OMAFRA Publication 812, Field Crop Protection Guide

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TABLE 1 - 2007 Spring Wheat Performance Trial Cumulative Yield Index¹ Summary

Cultivar	Class ²	Area II: West of Frontenac (2,300 -2,900 Crop Heat Units) & Area IV: Dundalk Plains (<2500 Crop Heat Units)					Area III East of Frontenac (2,500-2,900 Crop Heat Units)					Area V & VI Northern Ontario (less than 2,300 Crop Heat Units)				
		5-year ³	4-year	3-year	2-year	1-year	5-year ³	4-year	3-year	2-year	1-year	5-year ³	4-year	3-year	2-year	1-year
No. of Locations		15	12	9	6	3	17	14	11	8	4	15	11	8	6	2
AC Brio ⁴	hrs						105	105	105	105	109	96	96	95	98	92
Isidore	hrs-a	97	98	98	103	93	98	98	97	98	101	100	100	96	103	99
AC Barrie ⁴	hrs						91	88	86	84	81	85	83	83	79	63
Superb ⁴	hrs-a	94	94	97	98	95	96	94	95	96	96					
606	hrs-a	94	96	97	97	104	95	93	95	95	96	95	92	90	87	92
Winfield ⁴	hrs-a	91	93	93	92	95	93	95	94	95	93	94	95	96	98	105
Hoffman	efs-a	115	119	119	122	128	120	122	122	120	125	126	122	124	120	141
Norwell	hrs-a	103	103	102	102	97	99	98	100	103	106	107	107	110	113	111
Sable	hrs-a	105	106	105	105	106	99	98	97	98	101	100	102	101	102	110
Hobson ⁴	hrs	100	99	103	103	99	103	102	102	101	103	97	97	99	102	103
Brookfield	hrs		92	90	88	95		104	107	104	106		104	105	104	113
Nass	efs							102	105	105	104					
Orleans	hrs								102	103	106			97	97	100
5602HR	hrs-a			96	94	99			94	95	97			104	107	105
Hallmark	sd				95	95									88	96
Megantic	hrs-a									99	104				100	116
Kane	hrs					106					100					92
Snowstar	hws					103					93					92
Alvena	hrs					95					94					96
Lillian	hrs					90					87					73
Mean (t/ha)		3.41	3.29	3.36	3.55	3.75	3.86	3.72	3.80	4.04	3.76	3.92	3.54	3.22	2.96	2.94

¹ Indexed for each site and then averaged. Index = 100 x (variety yield ÷ site yield). Values differing by less than 3 within a column may not represent true differences in yield.

² hrs = hard red spring, hws = hard white spring, efs = eastern feed spring, -a = awned, sd = spring durum

³ Cultivar yield rankings may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

⁴ Good samples of these varieties are widely accepted by the milling industry. Some varieties are not accepted by some Wheat Board agents and/or flour mills due to unique quality traits. Consult the OWPMB or the variety sponsor for details.

TABLE 2a – 2007 Varietal Characteristics Based on Data from Areas II & IV – Spring Wheat
 Area II: West of Frontenac (2300 – 2900 Crop Heat Units)
 Area IV: The Dundalk Plains (<2500 Crop Heat Units)

Cultivar	Class ¹	Test Wt (kg/hl)	TKW (g)	Lodging 0-9 ²	Height (cm)	Heading Days ³	Maturity (days) ³	Mildew 0-9 ²	Leaf Rust 0-9 ²	Septoria Glume Blotch 0-9 ²	BYDV 0-9 ²	Fusarium Rating ⁴	Years (Fusarium Data)
No. of Locations		3	3	1	3	2	2	1	2	1	2		
Isidore	hrs-a	81.4	36.4	1.0	85	49	88	1.7	2.9	1.7	3.3	MS	6
Superb	hrs-a	80.5	40.3	1.8	80	50	90	2.7	6.2	1.3	2.6	HS	6
606	hrs-a	82.7	31.8	0.0	75	53	91	1.3	4.7	1.0	2.3	S	6
Winfield	hrs-a	80.5	34.7	0.8	86	55	92	1.7	2.4	2.3	2.5	MS	6
Hoffman	efs-a	80.5	44.4	3.0	93	54	93	0.3	1.2	0.8	2.0	MR	6
Norwell	hrs-a	80.9	35.2	1.5	85	50	90	1.0	2.0	1.7	2.7	MR	6
Sable	hrs-a	81.0	35.8	0.0	75	50	93	1.3	3.2	2.3	1.9	MS	5
Hobson	hrs	78.8	38.3	2.3	83	49	88	3.0	6.5	1.7	3.0	HS	5
Brookfield	hrs	78.0	33.9	3.3	90	55	93	0.7	4.5	2.0	2.0	HS	3
5602HR	hrs-a	80.7	37.8	4.0	90	51	91	1.7	2.2	1.0	3.3	MR	3
Hallmark	sd	80.6	43.3	0.5	63	53	93	0.3	1.5	0.3	2.2	HS	2
Kane	hrs	81.5	35.2	1.0	83	49	89	2.3	1.9	4.0	2.9	MR	1
Snowstar	hws	81.0	32.5	1.8	82	50	88	4.7	3.4	1.7	2.9	S	1
Alvena	hrs	78.9	36.6	3.3	84	51	87	3.3	3.9	3.3	3.1	HS	1
Lillian	hrs	77.4	35.3	6.0	85	54	90	2.7	2.2	4.0	2.6	HS	1
Means		80.3	36.8	2.0	82	51	90	1.9	3.2	1.9	2.6		

¹ HRS = hard red spring, HWS = hard white spring, EFS = eastern feed spring, SD = spring durum, a = awned

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.

⁴ 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)

TABLE 2b – 2007 Varietal Characteristics Based on Data from Area III – Spring Wheat
 Area III: East of Frontenac (2300 – 2900 Crop Heat Units)

Cultivar	Class ¹	Test Wt (kg/hl)	TKW (g)	Lodging 0-9 ²	Height (cm)	Heading Days ³	Leaf Rust 0-9 ²	Leaf Septoria 0-9 ²	Fusarium Rating ⁴	Years (Fusarium Data)
No. of Locations		4	4	3	4	4	4	1		
AC Brio	hrs	78.3	38.3	1.5	92	55	6.1	4.0	S	6
Isidore	hrs-a	81.6	37.1	1.0	86	52	4.4	6.0	MS	6
AC Barrie	hrs	77.3	33.7	0.8	87	57	7.2	5.0	MR	6
Superb	hrs-a	79.4	38.4	2.0	83	53	7.5	7.0	HS	6
606	hrs-a	82.2	31.9	0.3	77	56	4.1	4.0	S	6
Winfield	hrs-a	80.0	32.3	0.8	92	57	3.8	5.0	MS	6
Hoffman	efs-a	79.8	43.3	1.8	93	57	4.8	3.0	MR	6
Norwell	hrs-a	81.6	35.9	0.8	86	53	6.4	5.0	MR	6
Sable	hrs-a	80.8	36.6	0.3	77	53	3.5	4.0	MS	5
Hobson	hrs	79.0	40.2	1.6	84	53	7.5	6.0	HS	5
Brookfield	hrs	77.9	32.8	2.0	95	58	8.0	4.0	HS	3
Nass	efs	77.8	32.9	3.3	94	59	6.5	3.0	MR	3
Orleans	hrs	78.2	37.8	1.7	93	54	7.0	5.0	MS	3
5602HR	hrs-a	80.4	35.5	3.2	92	54	2.0	5.0	MR	3
Megantic	hrs-a	80.6	38.6	1.2	96	52	5.0	6.0	MS	2
Kane	hrs	80.7	34.7	1.7	86	53	1.3	5.0	MR	1
Snowstar	hws	80.7	30.1	1.7	86	53	2.0	5.0	S	1
Alvena	hrs	78.6	34.5	1.4	90	54	3.0	5.0	HS	1
Lillian	hrs	77.2	34.8	6.1	87	56	2.4	4.0	HS	1
Means		79.6	35.8	1.7	88	55	4.8	4.8		

¹ HRS = hard red spring, HWS = hard white spring, EFS = eastern feed spring, SD = spring durum, a = awned

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.

⁴ 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)

TABLE 2c – 2007 Varietal Characteristics Based on Data from Areas V & VI – Spring Wheat
 Area V & VI - Northern Ontario (<2300 Crop Heat Units)

Cultivar	Class ¹	Test Wt (kg/hl)	TKW (g)	Height (cm)	Heading Days ³	Maturity (days) ³	Leaf Septoria 0-9 ²	Fusarium Rating ⁴	Years (Fusarium Data)
No. of Locations		2	2	2	2	1	1		
AC Brio	hrs	73.9	34.0	88	61	112	0.5	S	6
Isidore	hrs-a	75.9	32.9	82	61	112	1.0	MS	6
AC Barrie	hrs	74.1	30.4	86	64	112	0.5	MR	6
606	hrs-a	76.8	30.3	72	62	116	2.0	S	6
Winfield	hrs-a	76.3	32.3	91	63	113	0.8	MS	6
Hoffman	efs-a	76.7	41.4	94	63	114	0.3	MR	6
Norwell	hrs-a	76.4	33.6	82	61	112	2.0	MR	6
Sable	hrs-a	74.7	33.2	69	61	114	2.5	MS	5
Hobson	hrs	74.9	37.1	76	61	112	3.0	HS	5
Brookfield	hrs	75.3	31.4	91	63	112	1.5	HS	3
Orleans	hrs	74.9	35.7	89	61	112	1.3	MS	3
5602HR	hrs-a	76.5	33.7	90	61	112	5.3	MR	3
Hallmark	sd	74.5	33.6	65	64	118	1.8	HS	2
Megantic	hrs-a	76.2	38.0	97	61	112	2.3	MS	2
Kane	hrs	75.8	32.0	79	61	112	3.0	MR	1
Snowstar	hws	75.0	28.7	78	61	112	1.5	S	1
Alvena	hrs	75.5	35.7	85	62	112	1.0	HS	1
Lillian	hrs	72.1	31.6	81	63	112	1.5	HS	1
Means		75.3	33.6	83	62	113	1.8		

¹ HRS = hard red spring, HWS = hard white spring, EFS = eastern feed spring, SD = spring durum, a = awned

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.

⁴ 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)

TABLE 3 - 2007 Performance Trial Cumulative Yield Index¹ Summary – Barley

Cultivar	Area II: West of Frontenac (2,300 -2,900 Crop Heat Units) & Area IV: Dundalk Plains (<2500 Crop Heat Units)					Area III: East of Frontenac (2500-1900 Crop Heat Units)					Area V & VI: Northern Ontario (< 2,300 Crop heat units)				
	5-year ²	4-year	3-year	2-year	2007	5-year ²	4-year	3-year	2-year	2007	5-year ²	4-year	3-year	2-year	2007
No. of Locations	19	15	11	7	3	10	8	6	4	2	13	10	7	5	3
2 rowed															
AC Kings	96	95	95	95	94										
Formosa	98	97	99	96	95										
Sunderland	95	96	95	93	97										
Chief	99	102	103	101	112	96	95	98	101	99					
Sabrina				101	104	102	102	102	104	106	97	98	99	103	114
Newdale	98	99	99	98	99						87	86	93	93	90
Bornholm		100	100	98	99		100	97	100	103		98	100	103	108
Brick			95	96	99										
6 rowed															
AC Alma											97	94	97	97	100
AC Klinck	98	98	98	102	104	97	98	97	93	94					
Brucefield	99	98	99	98	104	100	98	96	95	97	102	103	103	103	106
Chapais											102	101	102	100	98
Balance	94	95	96	95	97	100	99	97	94	95	103	102	102	100	98
Sumosan				94	100	96	97	98	94	89	98	100	98	98	97
Celebrity	99	100	100	101	91										
OAC Staffa	100	99	99	99	102										
Encore						112	111	113	111	112	106	107	105	103	99
OAC Cobourg	105	102	104	104	101	95	96	94	92	86					
OAC Chesley	104	102	99	100	97	98	98	96	93	91	102	100	101	102	104
OAC Kawartha	114	112	114	112	111	101	102	102	103	103					
Cyane			102	103	106	105	104	102	102	105	110	113	109	107	104
OAC Belleville	101	99	96	97	89										
Paidia											97	98	98	102	99
Perseis											99	101	101	103	108
OAC Ripley		106	105	105	96			100	102	103			96	94	86
Dignity			110	109	105										
HY 481-6R				103	104			102	99	95			99	100	99
Corcy								103	102	103					
Yielder			97	97	98			106	104	107			98	98	93
Synabelle								100	101	101					102
Oceanik									110	112				94	95
Sedna									101	106					
OAC Laverne				102	96										
Raquel										94					
Means (T/ha)	4.42	4.40	4.55	4.93	4.90	4.85	4.74	4.50	4.56	5.13	4.91	4.58	4.24	4.03	4.13

¹ Indexed for each site and then averaged. Index = 100 x (variety yield ÷ site yield). Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

TABLE 4a - 2007 Varietal Characteristics Based on Data from Areas II & IV – Barley

Area II: West of Frontenac (2300 – 2900 Crop Heat Units)

Area IV: The Dundalk Plains (<2500 Crop Heat Units)

Cultivar	Test Wt Kg/hl	Kernel Wt g/1000	Height cm	Heading Days ²	Maturity Days ²	Mildew 0-9 ¹	BYDV 0-9 ¹
No. of Locations	3	3	3	3	2	3	1
2 rowed							
AC Kings	68.0	50.8	80	51	86	0.5	3.5
Formosa	67.2	48.3	69	51	86	0.2	3.8
Sunderland	67.5	49.6	74	50	84	0.5	3.5
Chief	64.3	53.4	76	52	87	0.0	2.5
Sabrina	68.1	51.6	71	51	85	2.0	3.3
Newdale	63.8	42.9	67	53	85	0.3	3.4
Bornholm	68.5	46.3	70	51	86	1.4	3.9
Brick	67.2	47.6	71	51	85	0.2	2.5
6 rowed							
AC Klinck	61.5	46.0	82	50	88	2.7	4.8
Brucefield	62.7	42.8	74	49	87	3.2	3.1
Balance	64.5	42.8	80	49	86	2.7	3.0
Sumosan	65.0	42.6	82	51	86	3.6	4.3
Celebrity	60.6	47.0	73	49	86	1.1	3.6
OAC Staffa	65.4	42.0	71	50	87	1.7	3.1
OAC Cobourg	64.7	42.7	76	49	86	0.2	4.0
OAC Chesley	66.6	44.5	79	49	87	0.1	5.5
OAC Kawartha	61.4	48.7	77	48	88	0.2	2.9
Cyane	63.9	47.8	85	52	89	2.9	2.6
OAC Belleville	61.4	43.1	70	50	85	0.0	3.1
OAC Ripley	65.7	44.2	72	50	87	0.2	3.6
Dignity	65.0	47.5	78	51	89	0.2	3.5
HY 481-6R	64.8	41.8	71	48	86	2.0	4.0
Yielder	62.4	47.2	84	52	89	4.6	4.5
OAC Laverne	68.0	44.7	76	49	87	0.0	4.5
Means	64.9	46.1	75	50	86	1.3	3.6

¹ For ratings of 0-9, a high score is undesirable² Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

TABLE 4b - 2007 Varietal Characteristics Based on Data from Area III – Barley
 Area III: East of Frontenac (2300 – 2900 Crop Heat Units)

Cultivar	Test Wt kg/hl	Kernel Wt g/1000	Height Cm	Lodging 0-9 ¹	Heading days ²	Maturity days ²	Net Blotch 0-9 ¹	Spot Blotch 0-9 ¹
No. of Locations	2	2	2	2	2	1	1	1
2 rowed								
Chief	69.7	54.8	83	4.8	56	90	7.0	5.0
Sabrina	73.4	51.7	69	2.6	56	88	6.0	5.0
Bornholm	74.5	48.3	66	2.4	56	89	6.0	7.0
6 rowed								
AC Klinck	67.5	49.0	84	3.3	54	91	4.0	4.0
Brucefield	69.5	43.0	71	3.2	53	89	4.0	3.0
Balance	72.0	45.2	77	2.6	52	89	4.0	5.0
Sumosan	71.4	41.7	84	4.6	55	90	5.0	6.0
Encore	67.2	47.0	79	1.8	57	96	3.0	2.0
OAC Cobourg	70.8	44.3	80	3.0	54	89	2.0	2.0
OAC Chesley	72.5	46.3	82	3.6	53	88	3.0	2.0
OAC Kawartha	67.5	50.2	78	2.3	53	89	5.0	6.0
Cyane	69.1	49.4	86	1.9	57	91	3.0	3.0
OAC Ripley	71.0	44.1	76	1.2	55	93	4.0	4.0
HY 481-6R	69.8	42.5	72	3.8	52	88	3.0	4.0
Corcy	71.2	49.9	77	2.4	57	88	6.0	5.0
Yielder	69.3	48.9	82	2.8	55	89	2.0	2.0
Synabelle	69.2	50.8	86	3.2	55	90	4.0	4.0
Oceanik	67.9	45.8	80	2.9	56	89	2.0	2.0
Sedna	68.9	46.5	81	1.5	56	94	3.0	4.0
Raquel	72.0	47.5	84	3.4	55	89	4.0	5.0
Means	70.2	47.3	79	2.9	55	90	4.0	4.0

¹ For ratings of 0-9, a high score is undesirable

² Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

TABLE 4c - 2007 Varietal Characteristics Based on Data from Areas V & VI – Barley
 Area V & VI: Northern Ontario (<2300 Crop Heat Units)

Cultivar	Test Wt kg/hl	Kernel Wt g/1000	Height Cm	Heading days ²	Maturity days ²	Net Blotch 0-9 ¹	Spot Blotch 0-9 ¹
No. of Locations	2	2	2	2	1	1	1
2 rowed							
Sabrina	64.8	45.5	69	63	96	1.5	4.8
Newdale	59.0	39.0	69	70	98	0.0	3.0
Bornholm	64.3	44.5	65	63	97	1.3	5.0
6 rowed							
AC Alma	56.2	38.1	70	62	97	1.3	4.8
Bucefield	58.1	38.9	69	61	96	0.8	3.5
Chapais	57.0	42.5	60	62	98	2.3	5.3
Balance	59.8	38.5	75	62	98	0.5	4.0
Sumosan	61.8	39.7	82	62	98	0.5	4.3
Encore	57.2	39.6	81	63	102	0.3	2.5
OAC Chesley	60.7	41.1	77	63	99	0.8	5.0
Cyane	59.1	42.1	80	64	99	0.5	3.0
Paidia	57.3	34.7	87	65	100	0.3	2.8
Perseis	59.0	40.3	76	62	98	0.8	3.0
OAC Ripley	59.1	38.5	71	65	98	0.5	3.3
HY 481-6R	58.0	38.8	63	62	95	0.8	4.8
Yielder	58.1	42.6	83	63	98	0.3	4.5
Synabelle	58.9	45.1	82	64	99	0.0	4.0
Oceanik	57.7	40.7	78	63	99	1.3	4.3
Means	59.2	40.6	74	63	98	0.8	4.0

¹ For ratings of 0-9, a high score is undesirable

² Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

TABLE 5 - 2007 Trial Cumulative Yield Index¹ Summary - Oat

Cultivar	Area II: West of Frontenac (2,300 - 2,900 Crop Heat Units) Area IV: The Dundalk Plains (<2,500 Crop Heat Units)					Area III: East of Frontenac (2,500-2,900 Crop Heat Units)					Area V & VI: Northern Ontario (< 2,300 Crop Heat Units)				
	5-yr ²	4-yr	3-yr	2-yr	2007	5-yr ²	4-yr	3-yr	2-yr	2007	5-yr ²	4-yr	3-yr	2-yr	2007
No. of Locations	19	15	11	7	3	10	8	6	4	2	14	13	10	6	2
AC Aylmer											96	94	93	88	79
AC Rigodon											103	101	101	104	108
Manotick	101	100	100	100	102	94	94	93	99	101	95	95	97	96	100
OAC Markdale	91	92	93	92	102										
Alcyon	99	98	97	95	95	96	95	97	96	97	99	97	97	98	88
Sherwood	109	109	113	116	110	104	104	104	108	106	104	103	104	104	103
Prescott	104	104	105	108	95	106	108	108	115	103	103	102	100	99	100
Jay	96	97	99	97	94										
Lois		104	105	104	111		105	106	107	109		103	102	103	101
Lachute		102	100	98	99		105	107	109	104		105	102	98	99
SW Exactor		93	85	83	86		89	84	81	89			100	105	106
Robust			105	106	106			105	108	103			95	89	93
Bia													108	106	114
Dancer								96	97	106					
Canmore									78	91				109	118
Synextra										97					94
Gaspe										92					96
Means t/ha	4.54	4.49	4.09	4.45	3.77	4.37	4.25	4.53	4.33	5.12	4.09	3.91	3.75	3.71	4.18
Hulless															
Shadow									100	102				100	106
Navaro										98					94
Means t/ha									3.22	3.72				2.47	3.00

¹ Indexed for each site and then averaged. Index = 100 x (variety yield ÷ site yield). Values differing by less than 3 within a column may not represent true differences in yield.

² Cultivar yield ranking may vary from year to year. Decisions are therefore best made using data with the greatest number of years.

TABLE 6a - 2007 Varietal Characteristics by Area – Oat

Area II: West of Frontenac (2,300 - 2,900 Crop Heat Units)

Area IV: The Dundalk Plains (<2,500 Crop Heat Units)

Cultivar	Hull Colour	Test Wt Kg/hl	Kernel Wt g/1000	Height cm	Lodging 0-9 ¹	BYDV 0-9 ¹	Heading Days ²	Maturity Days ²
No. of Locations		3	3	2	3	1	1	1
Manotick	Yellow	45.6	43.1	83	3.8	3.3	50	83
OAC Markdale	White	49.2	41.5	86	2.0	2.3	52	87
Alcyon	White	48.7	38.2	90	7.5	2.0	52	88
Sherwood	White	49.3	42.0	83	6.0	2.3	49	85
Prescott	White	50.7	37.5	81	4.5	1.5	48	85
Jay	Light tan	47.3	34.5	73	0.0	0.8	48	79
Lois	White	45.7	43.6	88	6.5	2.0	50	90
Lachute	White	44.3	42.2	83	6.8	3.3	51	87
SW Exactor	White	41.3	34.5	87	0.0	2.3	59	91
Robust	White	50.8	38.4	80	0.0	1.5	51	84
Means		47.3	39.6	83	3.7	2.1	51	86

TABLE 6b - 2007 Varietal Characteristics by Area – Oat

Area III: East of Frontenac (2,500 - 2,900 Crop Heat Units)

Cultivar	Hull Colour	Test Wt Kg/hl	Kernel Wt g/1000	Heading Days ²	Height cm	Lodging 0-9 ¹	Crown Rust 0-9 ¹	BYDV 0-9 ¹	Leaf Septoria 0-9 ¹
No. of Locations		2	2	2	2	2	1	1	1
Manotick	Yellow	48.8	41.4	53	89	4.4	4.0	0.0	2.0
Alcyon	White	54.4	38.4	54	103	7.8	4.0	0.0	4.0
Sherwood	White	52.9	42.9	54	88	6.5	2.0	0.0	4.0
Prescott	White	53.7	37.1	53	86	4.0	1.0	0.0	0.0
Lois	White	47.8	40.6	55	94	4.6	4.0	2.0	0.0
Lachute	White	50.9	39.0	54	101	5.2	4.0	0.0	0.0
SW Exactor	White	49.8	35.0	60	103	3.9	4.0	2.0	0.0
Robust	White	54.8	34.5	55	91	1.1	1.6	0.0	2.0
Dancer	White	53.1	35.8	57	95	5.2	4.0	0.0	2.0
Canmore	White	53.2	40.5	58	103	4.0	6.0	2.0	0.0
Synextra	White	54.3	34.9	58	101	7.3	6.0	0.0	2.0
Gaspe	White	50.3	37.7	60	101	7.3	6.0	2.0	0.0
Shadow	Hulless	66.5	27.6	59	98	1.2	2.0	0.0	0.0
Navaro	Hulless	63.5	31.8	58	84	0.5	0.6	2.0	0.0
Means		53.8	36.9	56	95	4.5	3.5	0.7	1.1

¹ For ratings of 0 - 9, a high score is undesirable² Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

TABLE 6c - 2007 Varietal Characteristics by Area – Oat
 Area V & VI: Northern Ontario (<2,300 Crop Heat Units)

Cultivar	Hull Colour	Test Wt Kg/hl	Kernel Wt g/1000	Height Cm	Lodging 0-9 ¹	BYDV 0-9 ¹	Heading Days ²	Maturity days ²
No. of Locations		2	2	2	2	1	2	1
AC Aylmer	White	45.6	37.0	92	7.3	0.5	62	99
AC Rigodon	White	44.8	36.5	102	3.3	0.5	65	101
Manotick	Yellow	40.8	36.5	81	3.2	0.3	62	98
Alcyon	White	46.7	34.3	101	6.3	0.5	63	100
Sherwood	White	43.9	36.4	86	5.5	0.0	61	102
Prescott	White	44.3	31.3	82	6.4	0.3	63	99
Lois	White	39.7	34.5	94	4.8	0.0	62	100
Lachute	White	41.2	32.9	95	5.3	0.5	62	98
SW Exactor	White	41.8	30.7	102	1.8	1.0	67	100
Robust	White	45.3	29.7	79	1.5	0.0	63	98
Bia	White	42.1	29.7	97	5.4	1.3	64	98
Canmore	White	46.9	37.9	104	2.1	1.0	65	98
Synextra	White	47.2	36.2	111	1.3	0.8	65	98
Gaspe	White	44.3	39.4	111	1.7	0.5	65	99
Shadow	Hulless	57.0	25.6	99	0.4	0.3	66	102
Navaro	Hulless	55.0	27.0	85	0.0	0.3	67	100
Means		45.4	33.4	95	3.5	0.5	64	99

¹ For ratings of 0 - 9, a high score is undesirable

² Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

TABLE 7 - Distributors and Breeders of Cereal Varieties

	Variety	Distributor	Breeder
Barley	AC Kings	Bramhill Seeds	AAFC, Charlottetown
	Formosa	C & M Seeds	ACS-PZO, Germany
	Sunderland	Hyland Seeds, Div. of Thompson Ltd.	Thompson Ltd.
	Chief	SeCan Association	AAFC, Charlottetown
	Sabrina	La Coop Fédérée	La Coop Fédérée
	Newdale	Hyland Seeds, Div. of Thompson Ltd.	AAFC, Brandon
	Bornholm	Hyland Seeds, Div. of Thompson Ltd.	
	Brick	C & M Seeds	ACS-PZO, Germany
	AC Alma	Advantage Seed Growers and Processors Inc.	AAFC, Charlottetown
	AC Klinck	SeCan Association	AAFC, Charlottetown
	Brucefield	Hyland Seeds, Div. of Thompson Ltd.	Semico, Quebec
	Chapais	SeCan Association	AAFC, Ste. Foy
	Balance	Hyland Seeds, Div. of Thompson Ltd.	Semico, Quebec
	Sumosan	La Coop Fédérée	Thompson Ltd.
	Celebrity	Cribit Seeds	OMAFRA/University of Guelph
	OAC Staffa	PRO Seeds	OMAFRA/University of Guelph
	Encore	SeCan Association	AAFC, Charlottetown
	OAC Cobourg	Advantage Seed Growers and Processors Inc.	OMAFRA/University of Guelph
	OAC Chesley	C&M Seeds	OMAFRA/University of Guelph
	OAC Kawarth	SeCan Association	OMAFRA/University of Guelph
	Cyane	La Coop Fédérée	Laval University
	OAC Belleville	Advantage Seed Growers and Processors Inc.	OMAFRA/University of Guelph
	Paidia	La Coop Fédérée	Laval University
	Perseis	La Coop Fédérée	Laval University
	OAC Ripley	Advantage Seed Growers and Processors Inc.	OMAFRA/University of Guelph
	Dignity	Cribit Seeds	
	HY 481-6R	Hyland Seeds, Div. of Thompson Ltd.	
	Corcy	La Coop Fédérée	
	Yielder	La Coop Fédérée	
	Synabelle	Synagri	Semico
Oceanik	Synagri	Semico	
Sedna	Pedigrain		
OAC Laverne	Bramhill Seeds	OMAFRA/University of Guelph	
Raquel	Pedigrain		
Oat	AC Aylmer	Advantage Seed Growers and Processors Inc.	AAFC-ECORC, Ottawa
	AC Rigodon	SeCan Association	AAFC, Ste. Foy
	Manotick	SeCan Association	AAFC, Ottawa
	OAC Markdale	PRO Seeds	OMAFRA/University of Guelph
	Alcyon	Advantage Seed Growers and Processors Inc.	AAFC-ECORC, Ottawa
	Sherwood	Hyland Seeds, Div. of Thompson Ltd.	AAFC, Ottawa
	Prescott	C & M Seeds	AAFC, Ottawa
	Jay	Belterre Seeds	Purdue University, USA
	Lois	Advantage Seed Growers	AAFC
	Lachute	SeCan Association	AAFC-ECORC, Ottawa
	SW Exactor	Bonis & Company Ltd.	Svalof-Weibulls, Sweden

	Variety	Distributor	Breeder
	Robust	William Houde Ltd.	Purdue University, USA
	Bia	La Coop Fédérée	
	Dancer	Synagri	
	Canmore	Semican Inc.	
	Synextra	Semican Inc.	
	Gaspé	Semican Inc.	
	Shadow	Semican Inc.	
	Navaro	Semican Inc.	
Spring Wheat	AC Brio	C & M Seeds	AAFC, Ste. Foy
	Isidore	C & M Seeds	AAFC/University of Guelph
	AC Barrie	SeCan Association	AAFC, Swift Current
	Superb	SeCan Association	AAFC, Winnipeg
	606	C & M Seeds	ACS-PZO, Germany
	Winfield	Hyland Seeds, div. of Thompson Ltd.	CDC, Saskatchewan
	Hoffman (feed)	Hyland Seeds, div. of Thompson Ltd.	AAFC, Ste. Foy
	Norwell	C & M Seeds	AAFC/University of Guelph
	Sable	C & M Seeds	ACS-PZO, Germany
	Hobson	Hyland Seeds, div. of Thompson Ltd.	CDC, Saskatchewan
	Brookfield	C & M Seeds	AAFC, Charlottetown
	Nass (feed)	SeCan Association	AAFC, Charlottetown
	Orleans	C & M Seeds	Semico
	5602HR	C & M Seeds	
	Hallmark (durum)	C & M Seeds	
	Mégantic	Semico	
	Kane	SeCan Association	
	Snowstar	SeCan Association	
Alvena	SeCan Association		
Lillian	SeCan Association		