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# INFOSheet

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Ministry of Agriculture, Food and Rural Affairs  
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## 2007 PERFORMANCE TRIALS FOR SPRING CEREAL CROPS

prepared by the Ontario Cereal Crop Committee

This INFOSheet contains the most recent varietal information on cereals that were planted and harvested in 2006.

### REFERENCES:

OMAFRA Publication 811, *Agronomy Guide for Field Crops*

OMAFRA Publication 812, *Field Crop Protection Guide*

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**TABLE 1 - 2006 Spring Wheat  
Performance Trial Cumulative Yield Index<sup>1</sup> Summary**  
Indexed for each site and then averaged  
Index = 100 x (variety yield/site yield)

Cultivar	Class <sup>2</sup>	Area II West of Frontenac (2,300 - 2,900 Crop Heat Units) & Area IV					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 <sup>3</sup>	4-year	3-year	2-year	1-year	5-year <sup>3</sup>	4-year	3-year	2-year	1-year	5-year <sup>3</sup>	4-year	3-year	2-year	1-year
Quantum	hrs-a	108	108	108	107	115	104	105	103	105	101	100	102	103	103	102
AC Brio <sup>4</sup>	hrs	92	90	91	93	90	105	105	105	104	103	97	96	99	97	101
Isidore	hrs-a	102	102	104	105	119	96	97	98	96	96	99	101	103	98	107
AC Barrie <sup>4</sup>	hrs	83	81	80	80	75	94	94	92	90	87	88	86	87	88	85
Superb <sup>4</sup>	hrs-a	100	97	98	102	108	97	95	93	95	97	100	97	100	105	107
606	hrs-a	98	96	98	97	95	94	94	93	96	94	94	94	92	89	85
Winfield <sup>4</sup>	hrs-a	93	91	93	96	93	95	94	97	96	98	96	94	97	97	99
Hoffman	efs-a	116	114	118	118	122	120	120	122	123	116	123	123	120	120	112
Norwell	hrs-a	108	108	110	110	111	96	95	94	95	101	104	107	108	111	115
Sable	hrs-a		109	111	109	108		98	97	95	97			101	98	98
Hobson	hrs-a		104	104	109	113		103	102	102	100			98	99	102
Brookfield	hrs-a			92	92	83			102	106	103			101	100	95
Nass	efs-a			93	92	79			101	106	107			92	97	95
Orleans	hrs				90	89				100	101				97	96
<b>Mean (t/ha)</b>		3.46	3.22	3.03	3.04	3.20	4.24	3.89	3.68	3.81	4.30	4.19	4.09	3.63	3.29	2.96
<b>No. of Locations</b>		15	12	9	6	3	17	13	10	7	4	16	13	9	6	4

<sup>1</sup> 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.

<sup>2</sup> hrs = hard red spring, efs = eastern feed spring, -a = awned

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

<sup>4</sup> 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 2 - 2006 Spring Wheat  
Varietal Characteristics Based on Data From Across Ontario**

Cultivar	Class <sup>1</sup>	Test Weight (hl)	1,000 Kernel Weight (g)	Lodging (0-9) <sup>2</sup>	Height (cm)	Heading Days <sup>3</sup>	Physiological Maturity <sup>3</sup>	Powdery Mildew (0-9) <sup>2</sup>	Leaf Rust (0-9) <sup>2</sup>	Septoria (0-9) <sup>2</sup>	BYDV (0-9) <sup>2</sup>
Quantum	hrs-a	75.8	38	1.2	82	52	92	1.9	6.9	3.4	1.5
AC Brio <sup>4</sup>	hrs	74.6	37	2.3	94	53	94	5.9	4.7	4.2	1.4
Isidore	hrs-a	77.5	36	1.8	87	51	94	2.9	2.2	0.9	4.4
AC Barrie <sup>4</sup>	hrs	74.5	34	2.5	89	53	95	6.1	5.4	3.9	2.1
Superb <sup>4</sup>	hrs-a	75.7	37	2.0	84	52	96	3.6	2.2	3.2	3.8
606	hrs-a	78.2	31	0.4	76	54	96	2.8	5.4	1.3	2.1
Winfield <sup>4</sup>	hrs-a	76.3	33	2.1	93	56	96	1.6	1.0	2.5	2.9
Hoffman	efs-a	75.6	41	3.6	97	56	100	1.1	1.8	1.7	1.3
Norwell	hrs-a	77.3	35	1.9	87	51	95	1.7	3.0	1.2	1.9
Sable	hrs-a	76.2	35	1.0	76	52	94	1.7	5.5	2.2	1.3
Hobson	hrs-a	75.5	39	1.9	82	51	95	4.1	2.0	2.7	4.0
Brookfield	hrs-a	73.9	31	3.0	99	56	96	2.0	7.5	2.3	1.1
Nass	efs-a	73.9	32	3.0	98	56	95	2.8	5.0	2.8	2.3
Orleans	hrs	75.1	36	2.2	94	54	94	5.5	4.2	3.0	1.4
<b>Means</b>		75.7	35	2.1	89	53	95	3.1	4.0	2.5	2.2
<b># of Locations</b>		19	19	5	19	14	5	5	5	2	2

<sup>1</sup> hrs = hard red spring, efs = eastern feed spring, -a = awned

<sup>2</sup> For ratings 0-9, a high score is undesirable.

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

<sup>4</sup> 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 2 (continued) - 2006 Spring Wheat  
Varietal Characteristics Based on Data From Across Ontario**

Cultivar	Class <sup>1</sup>	FHBI (0-100) <sup>6</sup> 5 yr. ave. 2002-06	FHBI (0-100) <sup>5</sup> 4 yr. ave. 2003-06	FHBI (0-100) <sup>5</sup> 3 yr. ave. 2004-06	FHBI (0-100) <sup>5</sup> 2 yr. ave. 2005-06	FHBI (0-100) <sup>6</sup> 1 yr. ave. 2006	DON <sup>6</sup>
Quantum	hrs-a	39	46	54	56	54	
AC Brio <sup>4</sup>	hrs	31	37	42	41	43	
Isidore	hrs-a	23	28	36	37	44	
AC Barrie <sup>4</sup>	hrs	22	27	34	38	39	
Superb <sup>4</sup>	hrs-a	28	33	38	41	41	
606	hrs-a	27	33	38	34	39	
Winfield <sup>4</sup>	hrs-a	26	32	37	40	47	
Hoffman	efs-a	18	22	25	28	31	
Norwell	hrs-a	19	23	30	30	34	
Sable	hrs-a		31	34	38	46	
Hobson	hrs-a		37	42	42	44	
Brookfield	hrs-a			41	48	53	
Nass	efs-a			25	25	31	
Orleans	hrs				44	44	
<b>Mean</b>		26	32	37	39	42	
<b>No. of locations</b>		9	7	5	3	2	

<sup>1</sup> hrs = hard red spring, efs = eastern feed spring, -a = awned

<sup>2</sup> For ratings 0-9, a high score is undesirable.

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

<sup>4</sup> 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.

<sup>5</sup> % spikelets infected x % heads infected in inoculated, irrigated trials at Ottawa and Nairn

<sup>6</sup> Deoxynivalenol (vomitoxin) in parts per million.

**TABLE 3 - 2006 Performance Trial Cumulative Yield Index<sup>1</sup> 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 <sup>2</sup>	4-year	3-year	2-year	2006	5-year <sup>2</sup>	4-year	3-year	2-year	2006	5-year <sup>2</sup>	4-year	3-year	2-year	2006
<b>2 rowed</b>															
AC Kings	97	97	95	96	98	98									
AC Parkhill	95	95	97	98	92		100	102	107	117	98	97	94	94	92
Formosa	102	99	98	101	99										
Sunderland	98	96	96	95	91		99	101	105	111	93	91	92	90	91
Chief	100	98	100	100	95	99	99	99	104	106	102	95	99	100	93
Sabrina					101		103	102	103	106		94	93	91	91
Newdale		98	99	101	100		84	81	84	93		95	96	99	102
Bornholm			101	102	99			100	96	100			93	95	96
Brick				94	95										
<b>6 rowed</b>															
AC Alma											98	100	94	95	93
AC Klinck	99	98	97	96	104	100	100	101	102	95	101	100	98	95	92
AC Vision	101	99	96	95	95	96	93	95	96	96	96	96	96	94	94
Brucefield	101	99	97	98	95	102	103	101	99	95	105	102	102	103	103
Chapais	96	97	98	97	99	99	98	99	94	89	104	105	104	105	105
Balance		95	95	97	95	104	104	103	102	95	108	108	107	109	109
OAC Baxter						99	98	99	99	95	95	93	94	96	99
Sumosan					90	100	101	104	108	104	103	99	102	103	106
Celebrity	103	102	103	105	113	102	101	102	100	97	98	102	100	96	96
Propser	105	103	103	107	113	101	99	98	96	89					
OAC Staffa	102	101	100	98	98	99	99	98	95	93	101	101	102	100	95
Encore		92	93	95	90		115	115	118	112		110	110	112	113
OAC Cobourg		106	102	106	108		100	102	101	103		94	92	95	98
OAC Chesley		105	103	100	103		102	103	102	99		104	101	103	104
OAC Kawartha		115	113	117	117		103	104	104	106		96	99	100	87
Cyane				101	103		108	106	104	101		114	117	115	120
OAC Belleville		105	103	98	104		97	92	88	89		100	100	91	94
Paidia					91		99	98	98	96		100	100	101	112
Perseis					95		96	98	98	99		103	105	99	103
ADB016028			110	110	115				101	103				106	110
Legacy								97	93	99			110	105	117
Tradition				95	89				98	99				109	116
Synabelle									103	103					

**TABLE 3 - 2006 Performance Trial Cumulative Yield Index<sup>1</sup> Summary – Barley  
(continued)**

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 <sup>2</sup>	4-year	3-year	2-year	2006	5-year <sup>2</sup>	4-year	3-year	2-year	2006	5-year <sup>2</sup>	4-year	3-year	2-year	2006
GB016038					104					86					94
GB026019					109										
Rosalie										106					97
Oceanik										112					97
Sedna										97					104
Nordbec															80
GB026019					109					109					95
<b>Location Mean</b>	4.10	4.29	4.25	4.36	4.85	4.81	4.67	4.50	4.04	3.87	5.00	4.96	4.60	4.21	4.85
<b>Locations</b>	20	16	12	8	4	10	8	6	4	2	13	10	7	4	2

<sup>1</sup> 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.

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

**TABLE 4 - 2006 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 (&lt;2500 Crop Heat Units)

Cultivar	Test Wt Kg/hl	Kernel Wt g/1000	Height cm	Lodging 0-9 <sup>1</sup>	Heading Days <sup>2</sup>	Mildew 0-9 <sup>1</sup>	Leaf Rust 0-9 <sup>1</sup>	Stem Break	Yellow Dwarf Virus
<b>2 rowed</b>									
AC Kings	62.2	49	92	4.6	56	1.0	7.0	5.5	1.3
AC Parkhill	64.0	47	83	5.3	56	1.0	8.0	7.5	1.9
Formosa	66.5	48	82	5.2	55	0.0	0.0	7.5	1.3
Sunderland	62.3	46	81	5.4	57	0.7	4.0	6.5	1.8
Chief	61.3	51	90	5.3	57	0.1	3.0	6.5	0.9
Sabrina	64.5	48	84	4.6	56	2.1	8.0	7.5	1.3
Newdale	58.0	41	79	2.9	58	1.3	1.0	6.0	2.3
Bornholm	64.7	44	82	5.1	58	0.5	7.0	7.5	1.0
Brick	63.6	44	83	4.9	55	0.0	2.0	7.0	0.6
<b>6 rowed</b>									
AC Klinck	58.7	47	98	4.4	53	4.1	7.0	6.0	1.6
AC Vision	57.5	41	76	4.4	54	0.0	7.0	7.0	0.6
Brucefield	60.6	41	90	3.6	52	5.9	5.0	6.5	1.0
Chapais	59.1	45	85	3.5	52	4.2	6.0	7.0	2.1
Balance	61.2	42	94	2.9	53	4.9	7.0	7.0	2.3
Sumosan	61.2	38	99	5.0	54	6.1	8.0	7.0	1.4
Celebrity	57.6	47	92	3.4	52	5.1	4.0	7.0	2.1
Prosper	62.5	41	84	0.9	52	4.8	1.0	5.0	2.3
OAC Staffa	62.3	41	86	2.9	53	3.8	3.0	6.5	3.1
Encore	54.8	41	93	1.8	57	5.7	7.0	6.5	0.4
OAC Cobourg	62.6	42	89	2.5	54	0.3	5.0	6.5	3.1
Chesley	62.2	45	96	3.9	52	0.2	2.0	6.0	4.5
OAC Kawartha	58.4	46	92	3.5	52	0.3	1.0	6.5	0.8
Cyane	59.6	44	103	2.8	55	5.0	6.0	6.5	1.1
OAC Belleville	60.3	44	85	2.6	54	0.0	1.0	7.0	1.0
Paidia	56.8	36	105	4.3	54	5.9	8.0	7.0	3.1
Perseis	60.3	40	95	4.8	54	4.2	8.0	8.0	0.9
ADB016028	62.1	40	88	1.8	53	0.2	3.0	7.0	1.9
Tradition	59.6	32	92	5.7	53	6.4	9.0	8.0	1.0
GB016038	59.7	50	86	2.2	53	0.8	6.0	5.5	3.9
GB026019	64.7	43	91	2.5	52	0.4	1.0	5.5	2.1
<b>Means</b>	61.0	43	89	3.8	54	2.5	4.8	6.7	1.8
<b>No. of Locations</b>	4	4	4	3	4	3	1	1	1

<sup>1</sup> For ratings of 0-9, a high score is undesirable<sup>2</sup> Days from planting. Heading and Physiological Maturity vary from year to year and should only be used to indicate relative differences.

**TABLE 5 - 2006 Varietal Characteristics Based on Data from Area III – Barley**  
East of Frontenac (2300 – 2900 Crop Heat Units)

Cultivar	Test Wt kg/hl	Kernel Wt g/1000	Height Cm	Lodging 0-9 <sup>1</sup>	Heading days <sup>2</sup>	Maturity days <sup>2</sup>	Net Blotch 0-9 <sup>1</sup>	Spot Blotch 0-9 <sup>1</sup>
<b>2 rowed</b>								
AC Parkhill	69.0	47	70	4.5	55	84	5.5	5.5
Sunderland	68.1	48	73	5.5	54	84	5.3	4.8
Chief	62.9	50	76	4.3	56	89	4.8	4.8
Sabrina	68.1	50	69	2.8	54	85	5.8	4.5
Newdale	64.6	42	67	4.5	57	87	5.3	4.8
Bornholm	69.5	46	62	2.0	55	84	5.5	5.3
<b>6 rowed</b>								
AC Klinck	60.6	46	84	2.8	54	88	3.0	2.8
AC Vision	64.5	45	64	3.0	54	86	3.5	4.3
Brucefield	64.9	42	77	2.5	53	83	3.5	2.5
Chapais	63.3	46	70	2.5	53	83	5.8	5.5
Balance	67.5	45	83	3.0	53	84	4.8	4.0
OAC Baxter	66.2	43	82	3.0	54	88	2.8	3.5
Sumosan	66.9	40	87	5.5	55	87	4.3	4.0
Celebrity	63.5	47	81	2.8	53	86	2.8	2.3
Prosper	66.8	40	73	2.3	54	86	6.0	4.8
OAC Staffa	65.1	40	71	2.5	54	87	3.3	3.3
Encore	62.6	45	82	2.0	57	90	3.5	2.8
OAC Cobourg	66.7	42	80	3.0	54	85	4.3	4.8
OAC Chesley	66.7	44	80	2.5	53	86	2.3	2.8
OAC Kawartha	63.5	46	79	3.3	53	85	4.3	5.0
Cyane	61.8	44	83	3.3	57	88	3.3	2.8
OAC Belleville	64.0	44	71	2.3	54	86	4.3	3.3
Paidia	62.3	38	93	4.3	56	88	3.8	3.5
Perseis	66.8	44	81	5.3	54	86	2.0	2.8
ADB016028	66.4	41	74	2.8	55	88	2.5	2.5
Legacy	63.3	38	82	3.8	54	87	2.3	2.5
Tradition	65.0	39	75	3.0	53	84	2.5	2.8
Synabelle	64.3	48	88	3.5	56	89	2.3	3.0
GB016038	63.0	47	70	2.3	53	84	3.3	3.0
Rosalie	64.6	42	83	3.5	56	88	3.3	2.8
Oceanik	64.2	45	81	4.3	56	87	2.5	2.8
Sedna	62.1	42	82	3.8	57	90	3.0	3.5
GB026019	67.8	43	80	3.0	54	85	3.3	3.3
<b>Means</b>	65.0	44	77	3.3	54	86	3.8	3.7
<b>No. of Locations</b>	2	2	2	1	2	1	1	1

<sup>1</sup> For ratings of 0-9, a high score is undesirable

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



**TABLE 6 - 2006 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	Lodging 0-9 <sup>1</sup>	Heading days <sup>2</sup>	Maturity days <sup>2</sup>
<b>2 rowed</b>						
AC Parkhill	61.4	38	71	4.0	55	83
Sunderland	61.2	38	70	3.5	57	84
Chief	56.7	39	72	3.3	56	84
Sabrina	61.8	40	72	2.3	54	84
Newdale	58.3	37	67	1.2	58	87
Bornholm	63.3	41	66	1.8	57	85
<b>6 rowed</b>						
AC Alma	53.9	36	71	1.2	53	83
AC Klinck	56.7	42	77	0.5	54	88
AC Vision	57.1	37	60	1.0	55	85
Brucefield	58.4	36	74	2.0	51	84
Chapais	57.0	40	70	1.0	52	82
Balance	60.5	36	79	0.3	52	88
OAC Baxter	58.7	36	80	2.7	53	85
Sumosan	60.7	35	83	3.3	54	86
Celebrity	56.6	39	73	1.0	52	85
OAC Staffa	57.6	34	72	2.2	54	85
Encore	56.8	39	79	0.2	57	90
OAC Cobourg	58.5	36	78	3.0	52	84
OAC Chesley	60.0	41	83	1.4	53	88
OAC Kawartha	54.1	38	73	1.4	53	85
Cyane	58.2	41	82	2.2	57	90
OAC Belleville	56.8	38	68	1.5	56	87
Paidia	57.0	35	85	1.7	56	89
Perseis	58.6	38	77	2.2	54	86
ADB016028	59.2	37	76	1.0	53	88
Legacy	58.5	35	75	1.3	54	83
Tradition	59.5	35	74	1.3	52	87
GB016038	56.8	42	68	2.2	52	86
Rosalie	57.9	37	84	1.4	57	88
Oceanik	55.2	37	77	1.7	57	87
Sedna	56.4	36	84	1.4	56	88
Nordbec	59.1	36	63	2.0	49	82
GB026019	60.8	35	78	1.3	53	85
<b>Means</b>	58.3	38	75	1.7	54	86
<b>No. of Locations</b>	3	3	3	2	3	3

<sup>1</sup> For ratings of 0-9, a high score is undesirable

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

**TABLE 7 - 2006 Trial Cumulative Yield Index<sup>1</sup> 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 <sup>2</sup>	4-yr	3-yr	2-yr	2005	5-yr <sup>2</sup>	4-yr	3-yr	2-yr	2005	5-yr <sup>2</sup>	4-yr	3-yr	2-yr	2005
AC Aylmer	93	93	90	93	91	81	78	74	72	68	98	99	99	99	96
Goslin	99	99	99	98	104	98	99	99	101	110	95	94	93	93	92
AC Rigodon	89	87	89	92	85	93	90	90	89	81	103	101	100	101	104
Manotick	104	104	103	102	103	99	99	100	98	107	93	94	95	97	95
OAC Markdale	93	92	93	92	90										
Alcyon	101	102	102	100	99	102	102	100	106	106	103	101	101	101	106
Sherwood	111	111	112	116	124	110	112	113	114	121	104	104	105	106	108
Prescott	108	109	108	109	120	113	116	120	125	147	102	103	103	102	101
Jay		100	101	104	103										
Lois			106	106	103			111	114	116			103	104	106
Lachute			104	104	102			115	120	129			105	104	100
SW Exactor			96	87	85			95	87	76				100	107
Robust				107	110				118	128				97	88
Domingo					81				94	87				97	96
Dancer									98	94					
Canmore										65					106
Canoe										65					94
<b>Means t/ha</b>	<b>4.31</b>	<b>4.55</b>	<b>4.53</b>	<b>4.08</b>	<b>4.77</b>	<b>4.07</b>	<b>3.88</b>	<b>3.72</b>	<b>3.95</b>	<b>3.19</b>	<b>4.27</b>	<b>4.06</b>	<b>3.81</b>	<b>3.59</b>	<b>3.39</b>
<b>Hulless</b>															
Navan	100	100	100	100	100	100	100	100	100	78	100	100	100	100	100
Shadow										122					100
<b>Means t/ha</b>	<b>2.51</b>	<b>2.58</b>	<b>2.66</b>	<b>2.45</b>	<b>2.50</b>	<b>2.56</b>	<b>2.34</b>	<b>2.18</b>	<b>2.30</b>	<b>2.14</b>	<b>2.92</b>	<b>2.71</b>	<b>2.55</b>	<b>2.44</b>	<b>2.12</b>
<b>Locations</b>	20	16	12	8	4	10	8	6	4	2	14	11	10	8	4

<sup>1</sup> 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.

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

**TABLE 8a - 2006 Varietal Characteristics by Area – Oat**

Cultivar	Hull Colour	Area II: West of Frontenac (2,300 - 2,900 Crop Heat Units) Area IV: The Dundalk Plains (<2,500 Crop Heat Units)									
		Test Wt Kg/hl	Kernel Wt g/1000	Heading Days <sup>2</sup>	Height cm	Lodging 0-9 <sup>1</sup>	Stem Break 0-9	Crown Rust 0-9	BYDV 0-9	Septoria 0-9	Stem Rust 0-9
AC Aylmer	White	49.5	37.5	54.5	103.5	6.8	8.0	6.8	6.0	3.0	0.0
Goslin	White	48.1	36.7	56.0	96.9	3.7	8.0	4.0	1.0	3.3	0.0
AC Rigodon	White	43.2	28.6	59.5	107.6	6.5	8.5	6.6	1.5	1.5	0.0
Manotick	Yellow	45.6	37.3	56.6	98.2	4.8	7.5	4.8	3.5	2.3	0.0
OAC Markdale	White	46.6	29.5	57.8	105.0	5.0	8.5	5.9	3.5	1.5	0.0
Alcyon	White	46.5	34.7	57.3	113.1	6.7	7.0	3.5	3.0	1.8	0.0
Sherwood	White	50.1	39.7	56.3	98.8	3.5	7.0	1.6	3.5	4.0	0.0
Prescott	White	52.6	35.5	54.7	95.1	3.3	7.0	1.2	3.0	2.0	8.0
Jay	Tan	52.6	33.0	55.1	88.3	2.4	6.5	3.0	5.0	1.5	0.0
Lois	White	41.2	35.8	58.0	100.7	4.4	6.0	3.6	2.0	2.8	0.0
Lachute	White	44.1	32.9	57.5	107.0	4.3	7.0	2.1	3.0	2.3	6.0
SW Exactor	White	40.6	27.1	61.8	103.8	5.7	8.5	5.7	1.0	2.0	0.0
QO.685.48	White	41.8	30.3	60.5	105.3	5.7	8.5	6.2	3.5	3.0	0.0
Robust	White	51.1	32.2	57.5	92.5	1.9	5.5	3.1	3.5	2.0	0.0
CFA00137	White	39.6	25.6	61.7	106.1	6.2	6.0	5.5	2.5	2.3	0.0
Domingo	White	40.3	27.0	62.6	108.8	4.6	6.5	5.2	1.5	1.5	0.0
HS061	White	49.0	37.0	56.8	103.8	4.5	7.0	5.6	4.0	2.8	0.0
<b>Means</b>		46.4	32.5	58.0	102.4	4.7	7.3	4.5	3.0	2.4	0.8
<b>No. of Locations</b>		4	4	4	4	4	1	4	1	1	1
Navan	Hulless	52.7	24.1	59.5	108.0	4.5	7.5	5.8	2.5	3.5	0.0
Shadow	Hulless										

<sup>1</sup> For ratings of 0 - 9, a high score is undesirable

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

**TABLE 8b - 2006 Varietal Characteristics by Area – Oat**

Cultivar	Area III East of Frontenac (2,500 - 2,900 Crop Heat Units)						
	Hull Colour	Test Wt Kg/hl	Kernel Wt g/1000	Heading Days <sup>2</sup>	Height cm	Lodging 0-9 <sup>1</sup>	Crown Rust 0-9
AC Aylmer	White	43.0	34.4	59.0	112.3	8.3	6.0
Goslin	White	46.2	34.2	61.3	108.9	5.7	3.0
AC Rigodon	White	44.0	30.7	62.0	119.3	6.9	7.0
Manotick	Yellow	45.0	36.6	60.0	103.8	6.5	4.0
Alcyon	White	48.8	33.8	60.0	112.9	6.4	2.0
Sherwood	White	47.0	35.5	60.7	98.9	5.7	1.0
Prescott	White	48.3	32.6	60.3	113.8	4.9	2.0
Lois	White	42.1	35.1	63.3	113.5	4.8	4.0
Lachute	White	46.2	33.8	59.8	114.2	7.2	4.0
SW Exactor	White	39.5	27.5	67.4	121.9	7.8	5.0
QO.685.48	White	41.6	28.5	62.5	114.7	5.9	7.0
Robust	White	50.9	30.3	63.7	102.9	3.5	0.0
CFA00137	White	37.4	25.7	65.8	114.2	6.3	7.0
Domingo	White	42.1	28.8	67.9	115.4	5.4	3.0
Dancer	White	47.5	27.8	63.5	122.2	5.9	6.0
Canmore	White	42.4	33.7	63.4	119.2	7.8	7.0
Canoe	White	39.5	29.0	63.2	112.3	8.0	7.0
HS061	White	46.9	34.9	62.3	112.9	4.5	6.0
<b>Means</b>		45.2	31.0	62.8	113.1	6.0	4.6
<b>No. of Locations</b>		2	2	2	2	2	1
Navan	Hulless	51.3	23.9	64.0	113.4	4.4	7.0
Shadow	Hulless	54.1	23.8	66.2	116.2	4.2	3.0

<sup>1</sup> For ratings of 0 - 9, a high score is undesirable

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

**TABLE 8c - 2006 Varietal Characteristics by Area – Oat**

Cultivar	Area V & VI Northern Ontario (<2,300 Crop Heat Units)							
	Hull Colour	Test Wt Kg/hl	Kernel Wt g/1000	Heading Days <sup>2</sup>	Maturity Days	Height cm	Lodging 0-9 <sup>1</sup>	BYDV 0-9
AC Aylmer	White	46.8	39.4	52.8	81.0	80.5	4.8	2.0
Goslin	White	43.5	37.1	55.1	83.1	68.7	5.5	1.3
AC Rigodon	White	43.1	35.6	58.8	81.9	77.6	5.8	1.0
Manotick	Yellow	41.3	36.6	54.6	80.8	70.5	5.3	1.0
Alcyon	White	45.2	34.9	55.9	85.0	82.1	5.0	1.8
Sherwood	White	45.6	38.0	53.8	82.8	69.4	4.3	1.0
Prescott	White	45.2	32.5	53.8	81.1	71.2	4.0	1.0
Lois	White	40.7	38.3	55.3	82.8	72.5	4.8	1.0
Lachute	White	42.8	38.3	55.6	83.4	73.0	4.8	1.3
SW Exactor	White	43.4	33.3	61.0	83.9	76.3	4.0	1.3
QO.685.48	White	43.4	37.7	59.6	83.9	75.6	5.5	1.3
Robust	White	47.9	32.5	56.0	81.1	68.0	2.8	0.8
CFA00137	White	42.4	30.1	60.4	83.5	76.7	6.0	1.5
Domingo	White	40.6	32.4	61.6	83.1	78.2	4.5	1.8
Canmore	White	45.5	38.2	59.8	83.9	83.7	4.5	1.5
Canoe	White	40.8	34.9	58.9	81.5	74.9	6.8	1.5
HS061	White	45.9	38.2	55.7	83.4	69.2	3.5	1.3
<b>Means</b>		44.7	35.0	57.3	82.9	74.8	4.6	1.3
<b>No. of Locations</b>		4	4	4	3	4	2	1
Navan	Hulless	51.1	27.2	59.0	84.5	78.7	3.8	1.8
Shadow	Hulless	53.7	29.1	61.1	85.0	74.1	2.8	1.3

<sup>1</sup> For ratings of 0 - 9, a high score is undesirable

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

**TABLE 9 - Distributors and Breeders of Cereal Varieties**

	<b>Variety</b>	<b>Distributor</b>	<b>Breeder</b>
<b>Barley</b>	AC Alma	Advantage Seed Growers and Processors Inc.	AAFC, Charlottetown
	AC Kings	Bramhill Seeds Ltd.	AAFC, Charlottetown
	AC Klinck	SeCan	AAFC, Charlottetown
	AC Parkhill	SeCan	AAFC-ECORC, Ottawa
	AC Vision	SeCan	AAFC-ECORC, Ottawa
	ADB016028	Advantage	OMAFRA/University of Guelph
	Balance	Hyland Seeds, Div. of Thompson Ltd.	Semico, Quebec
	Bornholm	Hyland	
	Brick	C & M Seeds	ACS-PZ0 Germany
	Bucefield	Hyland Seeds, Div. of Thompson Ltd.	Semico, Quebec
	Celebrity (CRB 996028)	Cribit Seeds	OMAFRA/University of Guelph
	Chapais	SeCan	AAFC Ste. Foy
	Chief	SeCan	AAFC, Charlottetown
	Cyane	La Coop Fédérée	Laval University
	Encore (AB183-5)	Secan	AAFC, Charlottetown
	Formosa	C&M Seeds	ACS-PZO, Germany
	GB016038	Hyland Seeds, Div. of Thompson Ltd.	OMAFRA/University of Guelph
	GB026019	Bramhill	OMAFRA/University of Guelph
	Legacy	C&M Seeds	Busch Agricultural Resources Inc.
	Newdale	Hyland Seeds, Div. of Thompson Ltd.	AAFC, Brandon
	Nordbec	Secan	
	OAC Baxter	C&M Seeds	OMAFRA/ University of Guelph
	OAC Belleville	Advantage Seed Growers and Processors Inc.	OMAFRA/University of Guelph
	OAC Chesley	C & M Seeds	OMAFRA/University of Guelph
	OAC Cobourg	Advantage Seed Growers and Processors Inc.	OMAFRA/University of Guelph
	OAC Kawartha	SeCan	OMAFRA/University of Guelph
	OAC Staffa (GB 966057-1)	PRO Seeds	OMAFRA/University of Guelph
	Oceanik	Semico	Semico
	Paidia (CFO 141AA7)	La Coop Fédérée	Laval University
	Perseis (CFO 35AA1)	La Coop Fédérée	Laval University
	Prosper (GB 966057-2)	PRO Seeds	OMAF/University of Guelph
	Rosalie	Semico	Semico
	Sabrina	La Coop Fédérée	La Coop Fédérée
	Sedna	Semico	
Sumosan	La Coop Fédérée	Thompson Ltd.	
Sunderland	Hyland Seeds, Div. of Thompson Ltd.	Thompson Ltd	
Synabelle	Synagri	Semico	
Tradition	Hyland Seeds, Div. of Thompson Ltd.	Anheiser Busch	
<b>Oat</b>	AC Aylmer	Advantage Seed Growers and Processors Inc.	AAFC-ECORC, Ottawa
	AC Rigodon	SeCan	AAFC Ste. Foy
	Alcyon	Advantage Seed Growers and Processors Inc.	AAFC – ECORC Ottawa
	Canmore	Semican	
	Canoe	Semican	
	CFA00137	La Coop Fédérée	
	Dancer	Synagri	

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	Variety	Distributor	Breeder
	Domingo	La Coop Fédérée	SW Seeds Ltd.
	Goslin	Hyland Seeds, Div. of Thompson Ltd.	AAFC-ECORC, Ottawa
	HS061	Hyland Seeds, Div. of Thompson Ltd.	
	Jay (P8640A1-31)	Belterre	Purdue Univ., USA
	Lachute	Secan	AAFC – ECORC, Ottawa
	Lois	Advantage	AAFC
	QO.685.48	La Coop Fédérée	
	Robust	William Hood	Purdue University, USA
	Shadow	Semican	
	Manotick	SeCan	AAFC, Ottawa
	Navan	SeCan	AAFC, Ottawa
	OAC Markdale	PRO Seeds	OMAF/University of Guelph
	Prescott (OA1021-1)	C&M Seeds	AAFC, Ottawa
	Sherwood (OA1019-1)	Hyland Seeds, Div. of Thompson Ltd.	AAFC, Ottawa
	SW Exactor	Bonis & Company Ltd.	Svalof - Weibulls, Sweden
<b>Spring Wheat</b>	606	C & M Seeds	ACS-PZO, Germany
	AC Barrie	SeCan	AAFC, Swift Current
	AC Brio	C&M Seeds	AAFC Ste. Foy
	Brookfield (AW466)	C&M Seeds	AAFC, Charlottetown
	Hobson	Hyland Seeds, div. of Thompson Ltd.	CDC, Saskatchewan
	Hoffman (QW628:5)	Hyland Seeds, div. of Thompson Ltd.	AAFC Ste. Foy
	Isidore	C & M Seeds	AAFC/University of Guelph
	Nass	SeCan	AAFC, Charlottetown
	Norwell	C&M Seeds	AAFC/University of Guelph
	Orleans	C & M Seeds	Semico
	Quantum	C&M Seeds	ACS-PZO, Germany
	Sable (CM 2032)	C&M Seeds	ACS-PZO, Germany
	SS Fundy	La Coop Fédérée	
	Superb	Secan	AAFC, Winnipeg
	Winfield (W94194)	Hyland Seeds, div. of Thompson Ltd.	CDC, Saskatchewan