

**Department of Plant Agriculture  
Crop Science Division**

119-01-98

## **1998 Progress Report**

# **BARLEY, OATS AND WHEAT ONTARIO PERFORMANCE TRIALS**



**D.E. FALK, L.A. HUNT, G. MEATHERALL, Z. SZLAVNICS**



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The interest and financial help of the Ontario Wheat Producers' Marketing Board and OMAFRA is gratefully acknowledged.

Prepared by the Ontario Cereal Crops Committee from trials conducted by representatives of the following organizations:

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Greenhouse and Processing Crops Research Centre, Harrow, Ontario  
Eastern Cereal and Oilseed Research Centre, Ottawa

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The Performance Trials reported in this book are coordinated by Dr. D.E. Falk and Dr. L.A. Hunt, Department of Plant Agriculture, Crop Science Division, OAC, University of Guelph under the mandate of the OMAFRA Cereals Projects. Glen Meatherall and Zorka Szlavnic conduct the data analysis, prepare and distribute the Progress Reports which are the basis for information in OMAFRA Publication 296.

## INTRODUCTION

In 1996 Recommendation Tests were revised to become Performance Trials by the Ontario Cereal Crop Committee. These tests of spring barley, oats, spring wheat and winter wheat were conducted in cooperation with the members of the Ontario Soil and Crop Improvement Association, commercial plant breeders, CAT Colleges and Agriculture Canada. Certified seed of registered cultivars was generously provided by Advantage Seeds, C & M Seeds, First Line Seeds, W.G. Thompson & Sons Ltd., SeCan, Ferguson Seeds, and Pioneer Hybrid International.

### SPRING CEREALS

For spring cereals, Area I is no longer used because of the general low performance relative to other crops, and the low acreage. Areas II and IV have been combined into a single Area, Area III remains separate, and Areas V and VI have been combined into one unit. This gives three major areas for spring cereals, Southwestern Ontario, Eastern Ontario, and Northern Ontario. Each is a major climatic zone with significant acreage of spring cereals.

**Spring Barley.** Barley planting and harvest were quite early and quality generally good, if the grain had a chance to fill. Mildew was very light in most areas, with some rust and localized heavy BYDV reported.

**Oats.** Oats were generally affected a little more by the low rainfall than barley. Some areas had moderate to heavy crown rust and localized stem rust was reported. Yields of early varieties were generally good while late varieties suffered from drought at the end of the season in all areas except the east and north. Quality of the grain was generally good with little weathering due to very dry harvesting conditions.

**Spring Wheat.** Yield data were obtained from six locations in 1998, three from Area II, two from Area III and one from Area V. The overall average yield for Area II was 1.98 t/ha, for Area III it was 2.09 t/ha and in Area V, New Liskeard, the only location growing the trial, reported an average yield of 4.20 t/ha.

**Spring Durum Wheat.** There were no durum wheats tested in the Ontario Performance Trial this past year. Data for the 1998 durum wheat Western Registration Trial grown at the Elora Research Station are presented in this report.

### WINTER CEREALS

**Winter Barley.** Winter barley generally came through the winter in excellent condition but suffered more from early mildew and rust than the spring crop. Yields were generally good, with harvest much earlier than normal.

**Fall Pastry and Non-Pastry Wheat.** There were thirty-three entries planted at nine locations across the Province during the 1997-98 growing season. Of these entries sixteen were soft white, nine were soft red and eight were hard red. Due to severe spring erosion of the trial site at Kemptonville only eight out of the nine trials planted reported data. The overall average yield in Area I was 4.79 t/ha, in Area II it was 6.00 t/ha and the overall provincial average was 5.45 t/ha. The only Area III location reporting data was Ottawa where the average yield was 5.22 t/ha.

### GROWING CONDITIONS

Spring came early to most of Ontario with planting beginning well ahead of normal in most areas. It was warm and relatively dry through most of the summer in most of the province. Everything was early; planting, heading, harvest. Thunderstorms provided most of the moisture in the west and southwest parts while the eastern part received considerable rainfall in July. Timing of rain was more significant than amounts as some good yields were reported even though most of Area II & IV were well below average. The eastern part of the province received adequate to excess rain from the early part of July onward, with some associated disease and weathering of grain.

Seeding was earlier than normal in northern Ontario; however, germination was significantly delayed due to dry soil conditions which persisted through the growing season. Warmer-than-normal temperatures allowed for accelerated crop growth partially offsetting the effects of delayed germination.

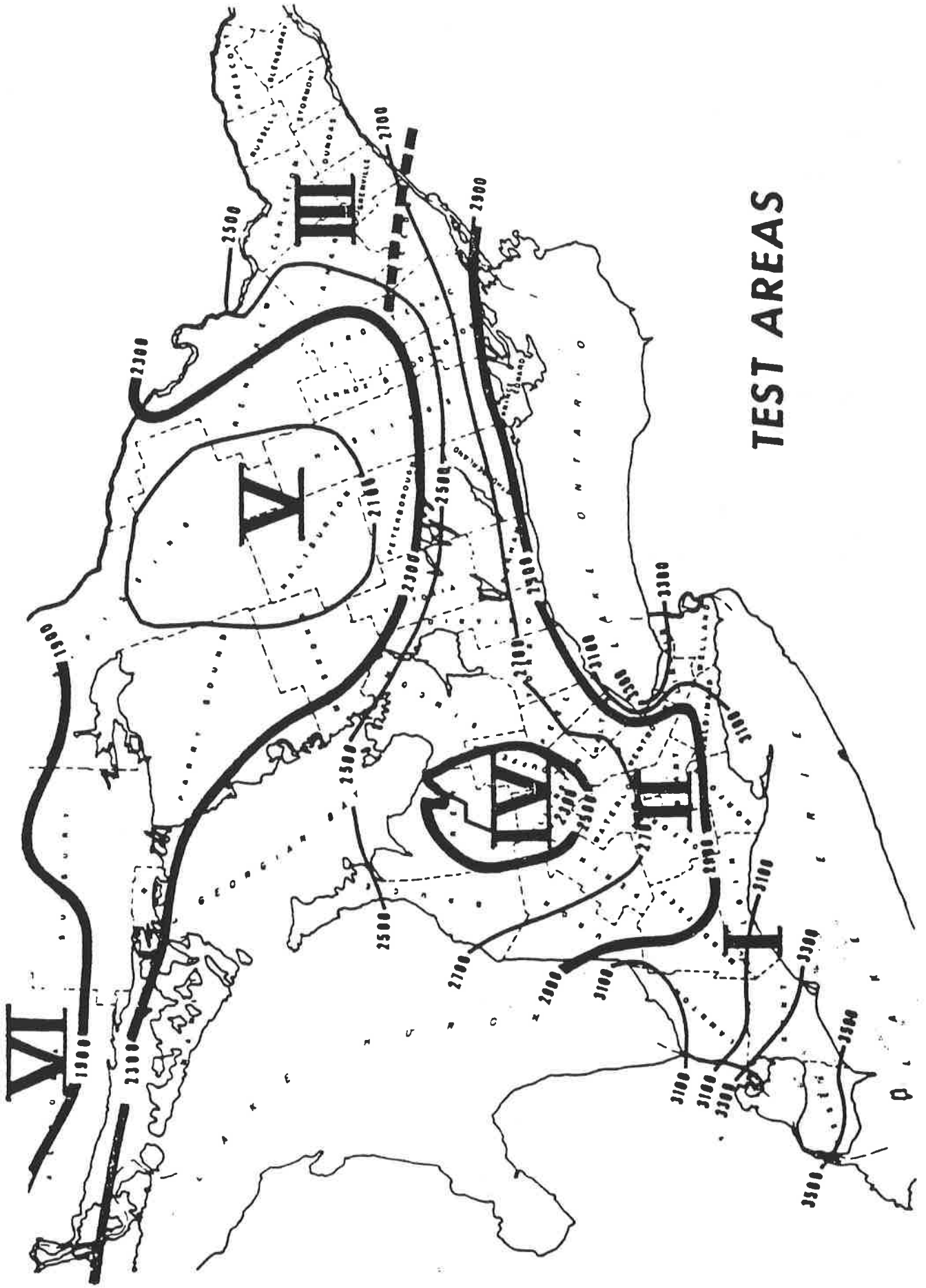
The testing areas for the Performance Testing program in Ontario are outlined by using the enclosed heat unit map as a guide.

	Winter	Spring	
Test Area	I		- Southwest of the 2900 heat unit lines
Test Area	II	II & IV	- West of Frontenac, between the 2900 and 2300 heat unit lines and the Dundalk plain (Grey, Dufferin and Wellington) within the 2500 heat unit lines.
Test Area	III	III	- East of Frontenac, between the 2900 and 2300 heat unit lines.
Test Area	V	V & VI	- Northern Ontario below the 2300 heat unit lines.

The results of the 1998 tests and the average performance of cultivars over the past several years are published in this report. The long term averages of Performance Trials are reported to assist farmers in making variety selection decisions.

For specific information in your area, consult the Ontario Ministry of Agriculture, Food and Rural Affairs Publication 296 - "1999-2000 Field Crop Recommendations for Ontario".





# TEST AREAS

**DESCRIPTION OF CULTIVARS IN PERFORMANCE TRIALS, 1998**

**BARLEY**

- AC Kings (AB 159-10) - a two-rowed barley developed by AAFC, Charlottetown from the cross Iona/AB79-17). Registered in 1998, distributed by Bramhill Seeds Ltd.
- AC Parkhill (OBT 186-13) - a two-rowed barley developed by AAFC-ECORC from the cross AB94-11/Morrison. Registered in 1998, distributed by SeCan.
- AC Queens (AB 159-2) - a two-rowed barley developed by AAFC, Charlottetown from the cross Iona/AB79-17). Registered in 1998, distributed by Bramhill Seeds Ltd.
- AC Sirius - a two-rowed barley developed by AAFC from the cross AB53-4/Rodeo//OB440/Rodeo. Registered in 1993.
- AC Sterling (AB 128-5) - a two-rowed barley developed by AAFC, Charlottetown from the cross Micmac/K75-10/2/Rodeo. Registered in 1993, distributed by SeCan.
- Almonte (OB313-2) - a two-rowed barley developed by AAFC-ECORC from the cross AB115-12/Morrison. Registered in 1998, distributed by Advantage Seeds Ltd.
- Belmore (T103-69) - a rough awned, two-rowed barley developed and distributed by W.G. Thompson & Sons Ltd. from a cross of Winthrop/Lester. Registered in 1996 (Regional).
- Breslau (TO90-117) - a two-rowed barley developed via the doubled haploid procedure by W.G. Thompson from the cross E647/Morrison. Registered in 1997, distributed by W.G. Thompson & Sons Ltd.
- Formosa (CM 94534) - a two-rowed barley developed by Dr. Peter Franck from a complex cross; tested and distributed by C & M Seeds. Registered in 1998.
- Morrison - a two-rowed, rough awned, barley developed by Agriculture Canada, Ottawa from the cross Rodeo/Gitane. Registered in 1989, distributed by SeCan.
- Sunderland (TO86-156) - a two-rowed barley developed via the doubled haploid procedure by W.G. Thompson from the cross Lester/TBR635-2. Registered in 1997. (Regional), distributed by W.G. Thompson & Sons Ltd.
- Viking (CM90522) - a rough awned, two-rowed barley introduced and distributed by C & M Seeds. Registered in 1995. (Regional)
- AB 162-12 - a two-rowed barley developed by AAFC, Charlottetown from the cross Iona/AB79-17.
- T203-049 - a two-rowed barley developed by W.G. Thompsons & Sons Ltd. from the cross AB97-3/T21-59.
- AB 168-11 - a two-rowed hulless barley developed by AAFC, Charlottetown from the cross Mimai 114/Rodeo/2/Rodeo.
- AC Alma (AB 151) - a six-rowed barley developed by AAFC, Charlottetown from a cross Chapais/Leger. Registered in 1996, distributed by Advantage Seeds Ltd.
- AC Hamilton (OB967-34) - a six-rowed smooth awned barley developed by Agriculture Canada, Ottawa from the cross Leger/OAC Kippen. Registered in 1994, distributed by SeCan.



- AC Legend (OBS 4065-127) - a six-rowed barley developed by AAFC-ECORC from the cross Chapais/CIMMYT6. Registered in 1998, distributed by SeCan.
- AC Nadia (QB 232.7) - a six-rowed smooth awned barley developed by Agriculture Canada, Ste-Foy, from the cross Leger/QB173.26. Registered in 1993, distributed by Semican Atlantic Inc.
- AC Stephen (OB 956-13) - a six-rowed smooth awned barley developed by Agriculture Canada, Ottawa from the cross OAC Kippen/Leger. Registered in 1992, distributed by SeCan.
- ACCA (QB813.2) - a six-rowed barley developed by the University of Laval from the cross QB730.2/UL0072/Leger. Registered in 1996, distributed by Belcan AgroCentre.
- Brucefield (OS93-709) - a six-rowed barley developed by Semico from the cross Maskat/Chapais, tested and distributed by W.G. Thompson & Sons Ltd. Registered in 1997
- B1602 - a six-rowed, white aleurone malting barley developed by Busch Agri-Research Inc. Distributed by W.G. Thompson & Sons Ltd.
- Chapais - a six-rowed, rough awned, barley developed by Agriculture Canada, Ste. Foy from the cross QB58.14/Beacon//BT904. Registered in 1988, distributed by SeCan.
- Foster - a six-rowed barley developed by North Dakota State University. Interim Registration in 1997, distributed by C & M Seeds.
- Grant - a six-rowed barley developed and distributed by W.G. Thompson & Sons Ltd. Registered in 1996.
- Leger - a six-rowed, smooth awned, barley developed by Agriculture Canada, Ottawa from the cross Trent/Vanier. Registered in 1982, distributed by SeCan.
- Myriam (OS88-10.23) - a six-rowed smooth awned barley sponsored by Semico from the cross OB 339-1/Bedford. Registered in 1994, distributed by W.G. Thompson & Sons Ltd.
- OAC Kippen - a six-rowed, semi-rough awned, barley developed by OAC, University of Guelph from a cross of OB141-1/Perth. Registered in 1987, distributed by SeCan.
- Sandrine (TBC 57-40) - a six-rowed smooth awned barley developed and distributed by W.G. Thompson & Sons Ltd. from the cross Mingo/OB 339-1//QB 203-4. Registered in 1994. (Regional)
- CMB 936588 - a six-rowed barley developed by OMAFRA/University of Guelph from the cross Chapais [male sterile]//OAC Kippen/Leger. Distributed by C & M Seeds.
- C226-007 - a six-rowed barley developed by W.G. Thompson & Sons Ltd. from the cross TBC51-89/GB8901.
- C231-041 - a six-rowed barley developed by W.G. Thompson & Sons Ltd. from the cross AC Burman/GB8901.
- GB936942 - a six-rowed barley developed by OMAFRA/University of Guelph from the cross Bruce [male sterile]/TBC891-6.
- RE80 - a six-rowed barley developed by AAFC, Charlottetown from callus culture of Leger. Not registered for sale in Canada.
- AC Bacon (HB 105) - a six-rowed hullless barley developed by AAFC, Brandon from the cross Tupper/Durra/Klages/Leduc/Bedford. Registered in 1998, distributed by Secan.

**BARLEY**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1998**

	II & IV (4)**		III (2)		V & VI (2)		PROVINCE*** (8)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Kings	2.93	25	2.92	18	5.35	17	3.53	3153	65.7
AC Parkhill	3.20	15	2.50	27	-	-	-	-	-
AC Queens	2.87	26	2.72	23	4.97	27	3.36	2997	62.4
AC Sirius	-	-	1.99	35	5.00	26	-	-	-
AC Sterling	3.06	20	2.74	22	4.74	28	3.40	3032	63.2
Almonte	3.01	23	2.71	24	-	-	-	-	-
Belmore	3.12	18	2.21	32	5.22	22	3.41	3047	63.5
Breslau	2.76	28	2.18	33	4.64	29	3.09	2756	57.4
Formosa	3.18	17	2.11	34	5.40	14	3.47	3096	64.5
Morrison	3.06	20	2.49	28	5.35	17	3.49	3118	65.0
Sunderland	3.20	15	2.22	31	5.58	9	3.55	3169	66.0
Viking	3.08	19	2.49	28	5.31	20	3.49	3117	64.9
AB162-12	2.60	29	2.56	25	4.59	30	3.09	2756	57.4
T203-049	3.28	9	2.56	25	5.19	23	3.58	3193	66.5
AB168-11 <sup>1</sup>	2.22	31	2.80	21	3.25	33	2.62	2339	48.7
AC Alma	3.22	14	3.29	9	5.16	25	3.72	3325	69.3
AC Hamilton	3.48	6	3.20	13	4.38	31	3.63	3245	67.6
AC Legend	3.25	11	3.21	11	5.51	11	3.80	3396	70.8
AC Nadia	-	-	2.86	19	5.51	11	-	-	-
AC Stephen	3.28	9	3.09	15	5.19	23	3.71	3312	69.0
ACCA	3.54	2	3.34	7	6.26	1	4.17	3723	77.6
Brucefield	3.53	3	3.33	8	5.89	3	4.07	3632	75.7
B1602	2.94	24	2.94	17	5.51	11	3.58	3198	66.6
Chapais	3.45	7	3.19	14	5.84	6	3.98	3557	74.1
Foster	2.80	27	3.21	11	5.31	20	3.53	3151	65.7
Grant	3.29	8	3.72	2	5.70	7	4.00	3573	74.4
Leger	-	-	-	-	5.60	8	-	-	-
Myriam	-	-	3.24	10	5.85	5	-	-	-
OAC Kippen	3.24	13	3.00	16	-	-	-	-	-
Sandrine	-	-	3.59	3	5.87	4	-	-	-
CMB936588	3.51	4	3.41	4	5.52	10	3.99	3561	74.2
C226-007	3.59	1	2.82	20	5.37	16	3.84	3432	71.5
C231-041	3.50	5	3.73	1	5.92	2	4.16	3716	77.4
GB936942	3.05	22	3.35	6	5.35	17	3.70	3305	68.8
RE80	3.25	11	3.38	5	5.40	14	3.82	3411	71.1
AC Bacon <sup>1</sup>	2.31	30	2.24	30	3.83	32	2.67	2386	49.7
mean	3.12	-	2.90	-	5.26	-	3.60	3214	67.0

\* See attached map

\*\* No. of locations

\*\*\* Weighted average

<sup>1</sup> Hulless barley

**BARLEY**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1998**

Cultivar	II & IV	III	V & VI	PROVINCE
AC Kings	94	101	102	98
AC Parkhill	103	86	-	-
AC Queens	92	94	94	93
AC Sirius	-	69	95	-
AC Sterling	98	94	90	94
Almonte	96	94	-	-
Belmore	100	76	99	95
Breslau	89	75	88	86
Formosa	102	73	103	96
Morrison	98	86	102	97
Sunderland	103	76	106	99
Viking	99	86	101	97
AB162-12	83	88	87	86
T203-049	105	88	99	99
AB168-11 <sup>1</sup>	71	96	62	73
AC Alma	103	114	98	103
AC Hamilton	111	110	83	101
AC Legend	104	111	105	106
AC Nadia	-	99	105	-
AC Stephen	105	106	99	103
ACCA	113	115	119	116
Brucefield	113	115	112	113
B1602	94	101	105	99
Chapais	111	110	111	111
Foster	90	111	101	98
Grant	106	128	108	111
Leger	-	-	106	-
Myriam	-	112	111	-
OAC Kippen	104	103	-	-
Sandrine	-	124	112	-
CMB936588	113	118	105	111
C226-007	115	97	102	107
C231-041	112	128	113	116
GB936942	98	116	102	103
RE80	104	116	103	106
AC Bacon <sup>1</sup>	74	77	73	74
Mean yield t/ha	3.12	2.90	5.26	3.60

<sup>1</sup> Hulless barley

**BARLEY**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1997-98**

	II & IV (8)**		III (3)		V & VI (4)		PROVINCE*** (15)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Kings	3.52	8	2.86	12	5.78	14	3.99	3564	74.2
AC Queens	3.37	16	2.67	14	5.63	18	3.83	3421	71.3
AC Sirius	-	-	2.06	23	5.58	20	-	-	-
AC Sterling	3.47	12	2.62	16	5.15	23	3.75	3345	69.7
Belmore	3.55	6	2.24	21	5.71	16	3.86	3450	71.9
Breslau	3.34	17	2.34	19	5.27	22	3.66	3264	68.0
Formosa	3.59	5	2.18	22	5.80	13	3.90	3480	72.5
Morrison	3.50	9	2.49	17	5.76	15	3.90	3483	72.6
Sunderland	3.60	4	2.28	20	6.14	9	4.01	3583	74.6
Viking	3.38	14	2.43	18	5.63	18	3.79	3386	70.5
AC Alma	3.32	18	3.01	5	5.67	17	3.88	3468	72.3
AC Hamilton	3.49	10	2.98	6	5.56	21	3.94	3518	73.3
AC Nadia	-	-	2.63	15	6.00	10	-	-	-
AC Stephen	3.48	11	2.92	10	5.90	12	4.02	3585	74.7
ACCA	-	-	2.92	10	6.56	2	-	-	-
Brucefield	3.71	2	3.05	3	6.46	3	4.31	3845	80.1
B1602	3.46	13	2.96	8	6.39	4	4.14	3695	77.0
Chapais	3.75	1	2.96	8	6.16	8	4.23	3780	78.7
Foster	3.38	14	3.05	3	5.92	11	3.99	3565	74.3
Grant	3.65	3	3.30	2	6.26	6	4.28	3817	79.5
Leger	-	-	-	-	6.35	5	-	-	-
Myriam	-	-	2.97	7	6.24	7	-	-	-
OAC Kippen	3.54	7	2.80	13	-	-	-	-	-
Sandrine	-	-	3.42	1	6.59	1	-	-	-
mean	3.51	-	2.75	-	5.93	-	4.00	3572	74.4

\* See attached map

\*\* No. of locations

\*\*\* Weighted average

**BARLEY**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1997-98**

	II & IV	III	V & VI	PROVINCE
AC Kings	100	104	97	100
AC Queens	96	97	95	96
AC Sirius	-	75	94	-
AC Sterling	99	95	87	94
Belmore	101	82	96	97
Breslau	95	85	89	91
Formosa	102	79	98	97
Morrison	100	91	97	98
Sunderland	102	83	104	100
Viking	96	88	95	95
AC Alma	95	110	96	97
AC Hamilton	100	108	94	98
AC Nadia	-	96	101	-
AC Stephen	99	106	100	100
ACCA	-	106	111	-
Brucefield	106	111	109	108
B1602	98	108	108	103
Chapais	107	108	104	106
Foster	96	111	100	100
Grant	104	120	105	107
Leger	-	-	107	-
Myriam	-	108	105	-
OAC Kippen	101	102	-	-
Sandrine	-	124	111	-
Mean yield t/ha	3.51	2.75	5.93	4.00

**BARLEY**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1996-98**

	II & IV (10)**		III (4)		V & VI (6)		PROVINCE*** (20)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Sirius	-	-	2.40	14	5.69	13	-	-	-
AC Sterling	3.62	11	3.11	11	5.36	14	4.04	3608	75.2
Belmore	3.82	6	2.87	12	5.75	12	4.21	3758	78.3
Breslau	3.72	10	-	-	-	-	-	-	-
Morrison	3.75	8	3.24	9	5.90	9	4.29	3832	79.8
Sunderland	3.96	2	-	-	-	-	-	-	-
Viking	3.77	7	2.74	13	5.78	11	4.17	3722	77.5
AC Alma	3.85	5	3.48	7	6.09	7	4.45	3969	82.7
AC Hamilton	3.88	3	3.61	2	5.84	10	4.41	3940	82.1
AC Nadia	-	-	3.40	8	6.13	6	-	-	-
AC Stephen	3.86	4	3.59	3	5.94	8	4.43	3956	82.4
ACCA	-	-	3.56	5	6.46	1	-	-	-
Chapais	4.23	1	3.53	6	6.25	5	4.70	4193	87.4
Leger	-	-	-	-	6.38	3	-	-	-
Myriam	-	-	3.58	4	6.33	4	-	-	-
OAC Kippen	3.75	8	3.22	10	-	-	-	-	-
Sandrine	-	-	3.85	1	6.46	1	-	-	-
mean	3.85	-	3.26	-	6.01	-	4.38	3911	81.5

\* See attached map; \*\* No. of locations ; \*\*\* Weighted average

**BARLEY**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1996-98**

Cultivar	II & IV	III	V & VI	PROVINCE
AC Sirius	-	74	95	-
AC Sterling	94	95	89	92
Belmore	99	88	96	96
Breslau	97	-	-	-
Morrison	97	99	98	98
Sunderland	103	-	-	-
Viking	98	84	96	95
AC Alma	100	107	101	101
AC Hamilton	101	111	97	101
AC Nadia	-	104	102	-
AC Stephen	100	110	99	101
ACCA	-	109	107	-
Chapais	110	108	104	107
Leger	-	-	106	-
Myriam	-	110	105	-
OAC Kippen	97	99	-	-
Sandrine	-	118	107	-
Mean yield t/ha	3.85	3.26	6.01	4.38



**BARLEY**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1995-98**

	II & IV (15)**		III (6)		V & VI (11)		PROVINCE*** (32)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Sterling	3.84	8	3.00	11	4.65	12	3.96	3537	73.7
Belmore	3.93	5	3.06	10	4.91	10	4.11	3667	76.4
Morrison	3.86	7	3.31	8	5.17	8	4.20	3753	78.2
Viking	3.83	9	2.87	12	4.73	11	3.96	3534	73.6
AC Alma	4.04	2	3.34	7	5.22	6	4.32	3856	80.3
AC Hamilton	3.98	4	3.46	5	5.26	5	4.32	3858	80.4
AC Nadia	-	-	3.36	6	5.14	9	-	-	-
AC Stephen	4.03	3	3.63	2	5.20	7	4.36	3891	81.1
Chapais	4.32	1	3.48	4	5.41	3	4.54	4053	84.4
Leger	-	-	-	-	5.51	2	-	-	-
Myriam	-	-	3.61	3	5.27	4	-	-	-
OAC Kippen	3.87	6	3.30	9	-	-	-	-	-
Sandrine	-	-	3.67	1	5.58	1	-	-	-
mean	3.92	-	3.34	-	5.17	-	4.24	3785	78.9

\* See attached map; \*\* No. of locations ; \*\*\* Weighted average

**BARLEY**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1995-98**

Cultivar	II & IV	III	V & VI	PROVINCE
AC Sterling	98	90	90	93
Belmore	100	92	95	97
Morrison	98	99	100	99
Viking	98	86	92	93
AC Alma	103	100	101	102
AC Hamilton	101	104	102	102
AC Nadia	-	101	99	-
AC Stephen	103	109	101	103
Chapais	110	104	105	107
Leger	-	-	107	-
Myriam	-	108	102	-
OAC Kippen	99	99	-	-
Sandrine	-	110	108	-
Mean yield t/ha	3.92	3.34	5.17	4.24

**TESTING AREA II & IV  
BARLEY  
AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9 (2)	Maturity <sup>a</sup> days (3)	Mildew 0-9 (3)	Leaf Rust 0-9 (1)
AC Kings	2.93	58.9	41.1	79	0.8	88	2.3	8.0
AC Parkhill	3.20	58.5	39.2	68	1.0	85	0.0	8.5
AC Queens	2.87	59.8	42.1	77	2.3	89	5.5	6.0
AC Sterling	3.06	59.1	38.1	76	0.8	89	0.0	8.0
Almonte	3.01	58.5	35.4	72	1.0	86	4.0	7.5
Belmore	3.12	59.0	38.8	70	1.3	86	3.0	6.5
Breslau	2.76	57.3	36.8	72	1.3	86	0.0	8.0
Formosa	3.18	58.6	38.8	68	1.0	86	0.0	2.0
Morrison	3.06	61.0	37.8	69	0.8	86	0.0	6.5
Sunderland	3.21	59.3	38.5	72	1.3	86	0.0	8.0
Viking	3.08	60.7	39.0	70	1.0	87	0.0	6.0
AB162-12	2.60	57.9	41.1	76	1.0	88	0.0	7.5
T203-049	3.28	58.6	37.0	75	0.8	85	2.3	7.5
AB168-11 <sup>1</sup>	2.22	59.6	36.7	71	0.5	88	0.0	8.0
AC Alma	3.22	52.1	37.8	70	1.5	87	4.3	7.5
AC Hamilton	3.48	53.3	34.5	78	1.8	86	4.0	8.0
AC Legend	3.25	52.2	34.1	67	0.8	85	5.2	7.0
AC Stephen	3.28	55.3	34.4	74	2.3	85	4.7	6.5
ACCA	3.54	56.3	34.6	72	1.5	88	3.2	8.0
Brucefield	3.53	54.4	35.7	72	0.8	87	0.8	5.5
B1602	2.94	53.6	30.6	77	0.8	87	5.0	4.0
Chapais	3.45	55.5	38.6	70	1.0	85	3.7	7.0
Foster	2.80	53.2	30.6	73	1.5	87	6.0	4.5
Grant	3.29	56.0	35.2	82	1.8	88	0.7	7.0
OAC Kippen	3.24	58.0	33.9	81	1.0	87	3.3	7.0
CMB936588	3.51	57.5	37.6	83	1.0	86	1.2	6.0
C226-007	3.59	56.2	36.0	73	2.0	84	0.2	6.5
C231-041	3.50	53.7	31.6	78	1.0	86	5.2	7.5
GB936942	3.05	55.8	30.6	74	0.8	87	0.7	8.0
RE80	3.25	52.7	30.6	80	0.8	88	4.3	7.5
AC Bacon <sup>1</sup>	2.31	55.2	29.7	69	0.8	89	4.5	9.0

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

<sup>1</sup> Hulless barley

**TESTING AREA II & IV  
BARLEY  
AGRONOMIC DATA, 1997-98**

Cultivar	Yield t/ha (8)*	wt/hl kg (8)	Kernel Weight g/1000 (8)	Height cm (8)	Lodging 0-9 (1)	Maturity <sup>a</sup> days (6)	Mildew 0-9 (4)	Leaf Rust 0-9** (1)	Net Blotch 0-9*** (1)
AC Kings	3.52	61.2	45.3	80	1.5	93	0.8	8.0	4.0
AC Queens	3.37	62.5	47.0	78	4.5	93	1.4	6.0	6.0
AC Sterling	3.47	62.0	43.7	73	1.5	94	0.0	8.0	5.5
Belmore	3.55	62.4	43.6	70	2.5	91	0.8	6.5	4.5
Breslau	3.34	61.4	40.1	72	2.5	90	0.0	8.0	5.5
Formosa	3.59	62.2	43.6	67	2.0	92	0.0	2.0	4.0
Morrison	3.50	63.3	42.2	69	1.5	92	0.0	6.5	4.5
Sunderland	3.60	61.9	42.8	70	2.5	90	0.0	8.0	4.0
Viking	3.38	62.9	44.1	71	2.0	93	0.0	6.0	3.5
AC Alma	3.32	54.3	41.4	73	3.0	91	2.3	7.5	4.5
AC Hamilton	3.49	54.7	38.2	78	3.5	91	1.9	8.0	3.0
AC Stephen	3.48	58.3	37.5	77	4.5	89	1.9	6.5	3.5
Brucefield	3.71	57.2	38.9	73	1.5	92	0.6	5.5	3.0
B1602	3.46	58.0	34.4	79	1.5	91	3.0	4.0	3.0
Chapais	3.75	58.1	41.7	70	2.0	89	1.7	7.0	4.5
Foster	3.38	57.2	36.6	75	3.0	91	3.0	4.5	4.0
Grant	3.65	57.1	39.4	83	3.5	93	0.2	7.0	4.5
OAC Kippen	3.54	59.9	36.4	80	2.0	91	1.6	7.0	4.0

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1998 data ONLY

\*\*\* 1997 data ONLY

**TESTING AREA II & IV  
BARLEY  
AGRONOMIC DATA, 1996-98**

Cultivar	Yield t/ha (10)*	wt/hl kg (10)	Kernel Weight g/1000 (10)	Height cm (10)	Lodging 0-9** (4)	Maturity <sup>a</sup> days (8)	Mildew 0-9 (5)	Leaf Rust 0-9** (2)
AC Sterling	3.62	62.2	44.2	78	1.9	93	0.0	6.8
Belmore	3.82	63.1	43.8	73	1.3	90	1.8	6.5
Breslau	3.72	62.2	41.4	77	1.5	90	0.4	6.8
Morrison	3.75	63.4	43.2	73	1.9	91	0.1	6.8
Sunderland	3.96	63.1	44.1	74	1.5	90	0.4	7.8
Viking	3.77	63.9	44.6	74	2.5	92	0.0	5.3
AC Alma	3.85	55.8	42.0	78	1.5	91	3.5	7.5
AC Hamilton	3.88	56.0	39.2	83	3.4	91	3.0	8.0
AC Stephen	3.86	59.2	38.5	81	2.9	89	2.9	6.5
Chapais	4.23	59.0	43.3	74	2.6	89	2.5	7.0
OAC Kippen	3.76	61.2	37.0	83	3.5	90	2.6	6.0

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1996, 1998 data ONLY

**AGRONOMIC DATA, 1995-98**

Cultivar	Yield t/ha (15)*	wt/hl kg (15)	Kernel Weight g/1000 (15)	Height cm (15)	Lodging 0-9** (9)	Maturity <sup>a</sup> days (11)	Mildew 0-9 (8)	Leaf Rust 0-9** (4)
AC Sterling	3.84	62.1	43.8	79	2.0	91	0.0	4.7
Belmore	3.93	62.9	43.3	73	1.7	88	2.5	4.5
Morrison	3.86	63.0	42.8	74	2.7	89	0.1	4.9
Viking	3.83	63.5	44.7	76	2.8	90	0.0	3.6
AC Alma	4.04	55.4	40.9	79	1.5	89	3.7	6.6
AC Hamilton	3.98	55.8	39.3	83	2.8	89	3.6	6.8
AC Stephen	4.03	58.9	37.9	81	2.4	87	3.5	4.6
Chapais	4.32	58.4	43.5	74	2.6	87	2.8	5.2
OAC Kippen	3.87	60.5	37.0	85	3.7	88	3.1	4.6

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1995-96, 1998 data ONLY

**TESTING AREA II & IV**  
**BARLEY**  
 Yield data for 1998

Cultivar	Huron I	Huron II	Wellington I	Perth	Average			
					t/ha	Rank	lbs/a	bu/a
AC Kings	2645	2999	3806	2271	2.93	25	2616	54.5
AC Parkhill	3297	2699	4045	2762	3.20	15	2858	59.5
AC Queens	2814	2801	3695	2156	2.87	26	2559	53.3
AC Sterling	2953	2999	3814	2455	3.06	21	2728	56.8
Almonte	2874	2898	3877	2381	3.01	23	2685	55.9
Belmore	2971	2999	3886	2604	3.12	18	2781	57.9
Breslau	2440	2699	3608	2305	2.76	28	2467	51.4
Formosa	3225	2801	3881	2822	3.18	17	2841	59.2
Morrison	2729	2999	3853	2676	3.06	20	2736	57.0
Sunderland	2959	3097	4016	2731	3.20	15	2858	59.5
Viking	2923	2999	3720	2688	3.08	19	2752	57.3
AB162-12	1987	2500	3621	2284	2.60	29	2320	48.3
T203-049	2971	2999	4273	2871	3.28	10	2927	61.0
AB168-11 <sup>1</sup>	1884	2398	2723	1861	2.22	31	1979	41.2
AC Alma	2862	2500	4294	3221	3.22	14	2874	59.9
AC Hamilton	3068	3295	4347	3204	3.48	6	3106	64.7
AC Legend	3092	2597	4282	3013	3.25	12	2898	60.4
AC Stephen	3255	3198	4050	2628	3.28	9	2931	61.1
ACCA	3321	3097	4556	3166	3.54	2	3156	65.8
Brucefield	3394	2999	4560	3159	3.53	3	3150	65.6
B1602	2476	2999	3817	2463	2.94	24	2624	54.7
Chapais	3237	2699	4848	3026	3.45	7	3083	64.2
Foster	2186	2898	3577	2529	2.80	27	2498	52.0
Grant	2742	3198	4320	2909	3.29	8	2940	61.2
OAC Kippen	3092	2898	4260	2705	3.24	13	2892	60.2
CMB936588	3424	3097	4556	2975	3.51	4	3137	65.3
C226-007	3406	3597	4456	2918	3.59	1	3209	66.9
C231-041	3213	3199	4470	3115	3.50	5	3124	65.1
GB936942	2899	2699	4033	2581	3.05	22	2726	56.8
RE80	3267	2699	4217	2829	3.25	11	2904	60.5
AC Bacon <sup>1</sup>	1848	2699	2850	1848	2.31	30	2064	43.0
Mean	2886	2908	4010	2683	3.12	-	2787	58.1
C.V. %	11.5	14.6	6.3	7.3	9.9	-	-	-
LSD (0.05)	464	597	295	231	0.40	-	-	-

<sup>1</sup> Hulless barley

**TESTING AREA III  
BARLEY  
AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (1)	Maturity <sup>a</sup> days (1)	Mildew 0-9 (1)
AC Kings	2.92	64.7	42.3	63	6.3	96	3
AC Parkhill	2.50	65.0	39.0	54	7.8	93	0
AC Queens	2.73	64.4	44.8	64	6.5	96	3
AC Sirius	1.99	60.4	33.7	59	7.5	91	0
AC Sterling	2.74	64.0	40.4	63	7.0	95	0
Almonte	2.72	64.9	37.0	56	7.3	95	3
Belmore	2.21	62.6	35.6	57	7.3	92	3
Breslau	2.18	62.7	37.2	57	7.3	95	0
Formosa	2.11	60.2	36.0	56	7.3	91	0
Morrison	2.49	64.1	36.9	57	7.5	96	0
Sunderland	2.22	63.8	37.7	57	7.3	91	0
Viking	2.49	65.3	39.6	55	6.5	95	0
AB162-12	2.57	62.7	38.0	63	6.5	95	0
T203-049	2.56	63.7	34.1	59	7.0	93	1
AB168-11 <sup>1</sup>	2.80	69.7	39.7	63	6.0	94	0
AC Alma	3.29	58.7	37.3	61	3.8	93	3
AC Hamilton	3.20	59.7	38.5	63	2.8	92	4
AC Legend	3.21	62.2	42.8	57	7.0	94	4
AC Nadia	2.86	58.8	32.1	68	5.8	94	4
AC Stephen	3.09	61.7	34.7	64	6.3	88	4
ACCA	3.34	59.9	37.8	60	5.8	93	3
Brucefield	3.33	60.4	37.8	57	5.8	93	1
B1602	2.94	60.9	33.3	58	5.5	91	4
Chapais	3.19	59.7	39.9	59	7.0	91	3
Foster	3.21	60.2	35.5	60	4.8	94	4
Grant	3.72	61.8	39.2	68	4.8	92	0
Myriam	3.24	63.0	38.7	61	4.8	89	1
OAC Kippen	3.00	62.6	34.3	65	6.0	88	3
Sandrine	3.59	62.9	37.2	69	4.5	92	4
CMB936588	3.41	62.5	37.3	61	5.8	90	0
C226-007	2.82	59.5	34.9	53	6.8	89	0
C231-041	3.73	59.0	33.3	64	6.3	92	3
GB936942	3.35	61.2	31.4	66	6.0	93	1
RE80	3.38	57.7	33.4	68	5.5	92	3
AC Bacon <sup>1</sup>	2.24	67.1	34.2	59	7.0	94	3

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

<sup>1</sup> Hulless barley



**TESTING AREA III  
BARLEY  
AGRONOMIC DATA, 1997-98**

Cultivar	Yield t/ha (3)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9** (1)	Maturity <sup>a</sup> days (2)	Mildew 0-9** (1)
AC Kings	2.86	67.8	44.9	67	6.3	93	3.0
AC Queens	2.67	66.7	46.8	65	6.5	93	3.0
AC Sirius	2.06	64.6	37.5	62	7.5	89	0.0
AC Sterling	2.62	67.0	41.6	63	7.0	92	0.0
Belmore	2.24	66.5	39.5	58	7.3	90	3.0
Breslau	2.34	65.5	39.4	60	7.3	91	0.0
Formosa	2.18	65.3	39.7	56	7.3	90	0.0
Morrison	2.49	67.4	40.1	59	7.5	93	0.0
Sunderland	2.28	66.8	40.5	58	7.3	90	0.0
Viking	2.43	67.6	41.8	58	6.5	92	0.0
AC Alma	3.01	61.0	39.3	60	3.8	90	3.0
AC Hamilton	2.98	61.7	39.2	64	2.8	90	4.0
AC Nadia	2.63	63.3	33.0	69	5.8	90	4.0
AC Stephen	2.92	63.4	36.3	64	6.3	87	4.0
ACCA	2.92	63.0	40.1	60	5.8	91	3.0
Brucefield	3.05	63.2	38.7	58	5.8	91	1.0
B1602	2.96	64.4	35.0	62	5.5	89	4.0
Chapais	2.96	62.7	42.0	58	7.0	89	3.0
Foster	3.05	63.0	38.1	62	4.8	91	4.0
Grant	3.30	64.1	40.2	67	4.8	91	0.0
Myriam	2.97	64.9	38.6	61	4.8	88	1.0
OAC Kippen	2.80	66.0	36.6	67	6.0	87	3.0
Sandrine	3.42	65.9	37.9	68	4.5	90	4.0

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\*1998 data ONLY

**TESTING AREA III  
BARLEY  
AGRONOMIC DATA, 1996-98**

Cultivar	Yield t/ha (4)*	wt/hl kg (5)	Kernel Weight g/1000 (5)	Height cm (5)	Lodging 0-9** (2)	Maturity <sup>a</sup> days (3)	Mildew 0-9** (2)
AC Sirius	2.40	65.4	40.2	66	5.8	88	0.0
AC Sterling	3.11	67.6	43.2	66	4.0	91	0.0
Belmore	2.87	67.6	42.4	61	3.9	89	1.5
Morrison	3.24	67.9	41.8	62	4.4	91	0.0
Viking	2.74	68.2	44.0	61	4.7	91	0.0
AC Alma	3.48	62.0	41.2	65	2.2	90	3.5
AC Hamilton	3.61	62.7	40.4	68	1.9	90	2.0
AC Nadia	3.40	61.8	35.0	74	3.5	92	2.0
AC Stephen	3.59	64.3	38.1	68	3.9	87	2.0
ACCA	3.56	63.6	40.6	64	3.1	90	3.5
Chapais	3.53	63.7	43.5	62	3.9	88	3.0
Myriam	3.58	65.5	40.5	65	2.6	88	2.0
OAC Kippen	3.22	66.5	37.7	71	4.2	88	1.5
Sandrine	3.85	67.0	39.2	72	2.9	90	3.5

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1996, 1998 data ONLY

**AGRONOMIC DATA, 1995-98**

Cultivar	Yield t/ha (6)*	wt/hl kg (7)	Kernel Weight g/1000 (7)	Height cm (7)	Lodging 0-9** (3)	Maturity <sup>a</sup> days (4)
AC Sterling	3.00	65.1	42.5	67	3.0	91
Belmore	3.06	65.4	41.8	63	2.6	90
Morrison	3.31	65.9	42.0	64	3.3	91
Viking	2.87	65.9	43.5	63	3.4	91
AC Alma	3.34	59.4	40.5	67	2.1	91
AC Hamilton	3.46	60.4	39.8	72	1.9	90
AC Nadia	3.36	58.5	33.9	76	2.4	92
AC Stephen	3.63	61.5	37.7	68	2.9	88
Chapais	3.48	60.7	43.2	62	3.6	89
Myriam	3.61	62.9	40.9	68	2.0	90
OAC Kippen	3.30	63.8	37.5	73	3.4	89
Sandrine	3.67	64.1	38.9	75	2.6	90

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1995-96, 1998 data ONLY

**TESTING AREA III  
BARLEY  
Yield data for 1998**

Cultivar	Grenville	Carleton I	Average			
			t/ha	Rank	lbs/a	bu/a
AC Kings	3860	1976	2.92	18	2605	54.3
AC Parkhill	2930	2076	2.50	27	2235	46.6
AC Queens	3120	2329	2.72	23	2433	50.7
AC Sirius	2100	1880	1.99	35	1777	37.0
AC Sterling	3190	2288	2.74	22	2446	50.9
Almonte	3180	2249	2.71	24	2424	50.5
Belmore	2360	2052	2.21	32	1970	41.0
Breslau	2450	1909	2.18	33	1946	40.5
Formosa	2320	1891	2.11	34	1880	39.2
Morrison	2830	2148	2.49	28	2222	46.3
Sunderland	2470	1963	2.22	31	1979	41.2
Viking	2890	2087	2.49	28	2222	46.3
AB162-12	2950	2179	2.56	25	2290	47.7
T203-049	3140	1987	2.56	26	2289	47.7
AB168-11 <sup>1</sup>	3640	1951	2.80	21	2496	52.0
AC Alma	4140	2445	3.29	9	2940	61.2
AC Hamilton	4090	2318	3.20	13	2861	59.6
AC Legend	3760	2658	3.21	12	2865	59.7
AC Nadia	3190	2524	2.86	19	2551	53.1
AC Stephen	3550	2625	3.09	15	2757	57.4
ACCA	3630	3058	3.34	7	2986	62.2
Brucefield	3840	2811	3.33	8	2969	61.9
B1602	3350	2530	2.94	17	2625	54.7
Chapais	3890	2487	3.19	14	2847	59.3
Foster	3760	2664	3.21	11	2868	59.7
Grant	4130	3308	3.72	2	3321	69.2
Myriam	3690	2795	3.24	10	2895	60.3
OAC Kippen	3530	2469	3.00	16	2678	55.8
Sandrine	4100	3084	3.59	3	3207	66.8
CMB936588	4180	2641	3.41	4	3045	63.4
C226-007	3180	2461	2.82	20	2518	52.5
C231-041	4490	2961	3.73	1	3326	69.3
GB936942	4040	2668	3.35	6	2995	62.4
RE80	3860	2895	3.38	5	3016	62.8
AC Bacon <sup>1</sup>	2690	1790	2.24	30	2000	41.7
MEAN	3360	2405	2.88	-	2574	53.6
C.V. %	12.5	5.3	8.9	-	-	-
LSD (0.05)	587	188	0.39	-	-	-

<sup>1</sup> Hulless barley

**INFORMATION ONLY - WINCHESTER LOCATION**  
**TESTING AREA III**  
**BARLEY**  
**AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity <sup>a</sup> days
AC Kings	3.51	61.3	39.0	76	7.3	-
AC Parkhill	3.33	63.1	36.3	71	8.0	-
AC Queens	2.88	64.3	41.8	73	7.3	-
AC Sirius	2.14	56.3	32.0	73	8.0	-
AC Sterling	2.26	62.8	38.8	75	7.8	-
Almonte	3.29	62.3	34.3	74	7.5	-
Belmore	2.45	56.3	28.0	68	6.0	-
Breslau	3.00	62.0	37.8	72	8.0	-
Formosa	2.48	60.4	33.5	71	8.0	-
Morrison	3.01	61.2	32.5	70	8.0	-
Sunderland	3.03	60.6	35.8	70	8.0	-
Viking	2.59	62.4	37.5	73	8.0	-
AB162-12	2.79	59.7	36.5	76	7.8	-
T203-049	2.53	62.6	31.0	76	8.0	-
AB168-11 <sup>1</sup>	2.87	74.1	38.8	70	7.3	-
AC Alma	3.22	59.6	40.0	81	2.5	-
AC Hamilton	2.88	62.3	43.0	83	0.8	-
AC Legend	3.77	62.2	39.3	72	6.3	-
AC Nadia	3.11	61.1	34.5	83	5.5	-
AC Stephen	3.63	64.8	36.0	84	5.5	-
ACCA	3.17	61.3	35.5	74	6.8	-
Brucefield	3.30	60.6	35.8	71	7.5	-
B1602	3.22	62.8	35.8	78	5.5	-
Chapais	3.58	58.4	39.8	74	7.0	-
Foster	3.74	61.8	38.5	74	5.8	-
Grant	3.50	62.8	39.5	86	5.3	-
Myriam	3.68	62.7	39.5	79	6.0	-
OAC Kippen	2.35	65.4	34.3	82	6.8	-
Sandrine	3.60	64.2	36.8	83	6.0	-
CMB936588	3.96	62.5	37.5	79	6.5	-
C226-007	3.40	57.9	33.8	77	7.3	-
C231-041	3.94	61.1	36.5	85	4.5	-
GB936942	3.38	59.5	28.8	78	7.5	-
RE80	3.60	60.7	36.3	84	6.0	-
AC Bacon <sup>1</sup>	2.65	75.7	35.3	72	6.0	-
MEAN	3.16	62.2	36.3	76	76	-
C.V.%	14.9	-	-	-	-	-
LSD (0.05)	0.66	-	-	-	-	-

<sup>a</sup> of days from seeding to maturity

<sup>1</sup> Hulless barley

**TESTING AREA V & VI  
BARLEY  
AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (1)	Maturity <sup>a</sup> days (2)
AC Kings	5.35	64.8	48.0	86	0.0	103
AC Queens	4.97	64.3	47.6	81	0.0	104
AC Sirius	5.00	66.3	44.5	80	0.8	97
AC Sterling	4.74	64.8	44.2	81	0.3	104
Belmore	5.22	65.2	44.8	74	0.0	101
Breslau	4.64	64.3	43.7	78	0.0	101
Formosa	5.40	65.8	45.9	75	0.0	104
Morrison	5.35	65.9	43.9	74	0.0	102
Sunderland	5.58	65.3	45.0	76	0.0	99
Viking	5.31	67.4	45.9	77	0.0	103
AB162-12	4.59	63.7	44.3	82	0.0	103
T203-049	5.19	64.9	40.5	76	0.0	102
AB168-11 <sup>1</sup>	3.25	65.2	40.6	76	0.0	103
AC Alma	5.16	60.8	41.9	78	0.0	103
AC Hamilton	4.38	61.3	41.0	86	0.0	103
AC Legend	5.51	61.1	41.7	72	0.0	102
AC Nadia	5.51	64.0	41.7	86	0.0	104
AC Stephen	5.19	64.6	38.3	85	0.0	100
ACCA	6.26	64.1	44.0	81	0.0	104
Brucefield	5.89	61.1	39.1	81	0.0	103
B1602	5.51	63.7	37.6	83	0.0	102
Chapais	5.84	63.1	44.3	72	0.0	99
Foster	5.31	60.5	37.9	81	0.0	102
Grant	5.70	62.5	42.6	89	0.0	102
Leger	5.60	63.6	39.3	90	0.0	102
Myriam	5.85	64.7	45.4	83	0.0	101
Sandrine	5.87	65.2	40.2	90	0.3	98
CMB936588	5.52	63.7	44.3	85	0.0	103
C226-007	5.37	62.5	37.7	80	0.3	97
C231-041	5.92	62.6	38.6	83	0.0	103
GB936942	5.35	64.1	36.2	88	0.0	102
RE80	5.40	63.7	39.1	90	0.0	101
AC Bacon <sup>1</sup>	3.83	58.3	34.4	72	0.0	105

<sup>a</sup>no. of days from seeding to maturity

\*no. of locations

<sup>1</sup> Hulless barley

**TESTING AREA V & VI  
BARLEY  
AGRONOMIC DATA, 1997-98**

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9** (1)	Maturity <sup>a</sup> days (4)
AC Kings	5.78	64.9	47.2	85	0.0	100
AC Queens	5.63	64.8	47.5	83	0.0	100
AC Sirius	5.58	66.3	42.7	78	0.8	96
AC Sterling	5.15	65.0	43.2	81	0.3	99
Belmore	5.71	66.3	43.3	73	0.0	98
Breslau	5.27	64.4	42.2	75	0.0	97
Formosa	5.80	66.3	45.0	75	0.0	99
Morrison	5.76	66.9	43.7	73	0.0	98
Sunderland	6.14	65.5	44.1	74	0.0	97
Viking	5.63	67.6	45.2	75	0.0	99
AC Alma	5.67	60.5	41.3	77	0.0	99
AC Hamilton	5.56	61.6	39.9	85	0.0	98
AC Nadia	6.00	63.2	40.6	87	0.0	100
AC Stephen	5.90	63.5	37.8	84	0.0	95
ACCA	6.56	63.8	42.8	82	0.0	101
Brucefield	6.46	61.2	39.2	79	0.0	99
B1602	6.39	63.9	37.4	82	0.0	98
Chapais	6.16	62.3	43.4	70	0.0	95
Foster	5.92	61.0	38.6	78	0.0	99
Grant	6.26	63.0	42.4	88	0.0	99
Leger	6.35	62.7	38.1	89	0.0	98
Myriam	6.24	64.4	44.0	82	0.0	98
Sandrine	6.59	64.9	39.2	87	0.3	96

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\*1998 data ONLY



**TESTING AREA V & VI  
BARLEY  
AGRONOMIC DATA, 1996-98**

Cultivar	Yield t/ha (6)*	wt/hl kg (6)	Kernel Weight g/1000 (6)	Height cm (6)	Lodging 0-9** (2)	Maturity <sup>a</sup> days (5)
AC Sirius	5.69	65.4	43.0	80	3.8	95
AC Sterling	5.36	64.8	43.3	83	2.8	99
Belmore	5.75	66.0	43.3	74	2.5	97
Morrison	5.90	66.5	43.1	75	2.5	98
Viking	5.78	67.1	44.6	77	2.0	99
AC Alma	6.09	60.0	42.0	81	1.5	99
AC Hamilton	5.84	60.6	39.5	87	3.0	99
AC Nadia	6.13	62.9	39.4	89	2.0	100
AC Stephen	5.94	62.7	37.6	88	3.0	96
ACCA	6.46	62.9	41.5	85	2.5	101
Chapais	6.25	61.2	43.3	72	1.5	96
Leger	6.38	62.2	37.5	91	2.5	99
Myriam	6.33	64.3	43.6	84	1.5	99
Sandrine	6.46	64.4	39.4	91	1.8	97

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1996, 1998 data ONLY

**AGRONOMIC DATA, 1995-98**

Cultivar	Yield t/ha (11)*	wt/hl kg (11)	Kernel Weight g/1000 (11)	Height cm (11)	Lodging 0-9** (4)	Maturity <sup>a</sup> days (9)
AC Sterling	4.65	64.4	41.5	79	1.6	95
Belmore	4.91	65.1	41.2	71	2.0	94
Morrison	5.17	65.8	41.5	73	1.8	94
Viking	4.73	65.9	42.3	75	1.5	94
AC Alma	5.22	59.1	41.4	76	1.0	95
AC Hamilton	5.26	59.8	39.3	83	2.0	95
AC Nadia	5.14	61.6	37.8	85	1.5	96
AC Stephen	5.20	62.4	38.1	84	2.0	93
Chapais	5.41	60.4	42.8	68	1.3	93
Leger	5.51	61.3	36.8	88	2.0	94
Myriam	5.27	63.4	41.9	81	1.5	95
Sandrine	5.58	63.7	38.7	87	1.1	94

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1995-96, 1998 data ONLY

**TESTING AREA V & VI  
BARLEY  
Yield data for 1998**

Cultivar	Temiskaming	Thunder Bay	Average			
			t/ha	Rank	lbs/a	bu/a
AC Kings	5018	5673	5.35	18	4773	99.4
AC Queens	4285	5654	4.97	27	4437	92.4
AC Sirius	4782	5220	5.00	26	4465	93.0
AC Sterling	5018	4454	4.74	28	4229	88.1
Belmore	5401	5032	5.22	22	4658	97.0
Breslau	4535	4749	4.64	29	4145	86.3
Formosa	5387	5416	5.40	14	4823	100.5
Morrison	4764	5939	5.35	17	4778	99.5
Sunderland	5603	5551	5.58	9	4979	103.7
Viking	5369	5254	5.31	20	4742	98.8
AB162-12	4448	4729	4.59	30	4097	85.4
T203-049	5188	5183	5.19	23	4630	96.4
AB168-11 <sup>1</sup>	3125	3378	3.25	33	2903	60.5
AC Alma	5082	5247	5.16	25	4611	96.1
AC Hamilton	5575	3182	4.38	31	3909	81.4
AC Legend	5666	5362	5.51	11	4923	102.6
AC Nadia	5530	5495	5.51	12	4922	102.5
AC Stephen	5274	5096	5.19	24	4629	96.4
ACCA	5857	6670	6.26	1	5592	116.5
Brucefield	5813	5970	5.89	3	5260	109.6
B1602	5399	5619	5.51	13	4919	102.5
Chapais	5630	6050	5.84	6	5214	108.6
Foster	5398	5225	5.31	20	4742	98.8
Grant	5995	5413	5.70	7	5093	106.1
Leger	6221	4969	5.60	8	4996	104.1
Myriam	6140	5554	5.85	5	5221	108.8
Sandrine	6020	5711	5.87	4	5237	109.1
CMB936588	5917	5114	5.52	10	4925	102.6
C226-007	5440	5297	5.37	16	4793	99.9
C231-041	6616	5228	5.92	2	5288	110.2
GB936942	4900	5790	5.35	19	4772	99.4
RE80	5964	4834	5.40	15	4821	100.4
AC Bacon <sup>1</sup>	4013	3645	3.83	32	3419	71.2
MEAN	5314	5203	5.26	-	4695	97.8
C.V. %	9.2	9.4	9.3	-	-	-
LSD (0.05)	682	886	.78	-	-	-

<sup>1</sup> Hulless barley

**INFORMATION ONLY - KAPUSKASING LOCATION**  
**TESTING AREA V & VI**  
**BARLEY**  
**AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity <sup>a</sup> days
AC Kings	4.11	65.5	43.4	82	1.5	102
AC Queens	3.94	62.1	41.6	79	2.3	104
AC Sirius	3.72	64.7	38.7	80	2.0	101
AC Sterling	4.28	64.7	38.4	85	1.5	102
Belmore	3.85	65.1	38.7	74	1.3	102
Breslau	3.69	64.2	36.6	78	1.5	102
Formosa	5.26	65.1	41.0	77	1.3	100
Morrison	4.03	65.5	37.5	79	1.8	103
Sunderland	3.43	65.2	37.7	76	1.5	102
Viking	5.31	68.1	41.5	80	1.5	102
AB162-12	3.93	63.5	40.8	79	1.3	102
T203-049	4.45	64.3	37.3	78	1.5	101
AB168-11 <sup>1</sup>	2.78	68.1	34.9	70	1.5	101
AC Alma	5.79	62.9	39.6	70	2.3	100
AC Hamilton	5.60	64.8	40.8	90	2.5	101
AC Legend	5.29	62.6	40.2	70	1.3	101
AC Nadia	4.17	62.2	35.4	90	2.3	102
AC Stephen	5.42	66.2	35.7	88	1.8	98
ACCA	6.73	66.6	41.3	85	1.8	103
Brucefield	5.19	64.0	36.6	77	1.8	101
B1602	4.82	64.0	35.2	85	2.3	100
Chapais	6.14	64.4	42.6	73	2.0	99
Foster	4.44	62.2	33.1	79	2.0	99
Grant	4.74	64.5	35.9	90	2.0	102
Leger	5.55	64.5	36.4	94	2.3	101
Myriam	5.06	65.3	39.2	82	1.8	100
Sandrine	5.78	68.0	37.1	87	2.3	101
CMB936588	5.14	63.5	39.5	87	2.3	101
C226-007	5.72	66.2	38.4	78	1.3	100
C231-041	5.44	64.8	37.5	91	2.0	101
GB936942	4.74	63.6	31.2	81	1.8	101
RE80	5.82	63.5	35.3	96	1.8	99
AC Bacon <sup>1</sup>	3.24	64.6	62.0	75	2.0	101
Mean	4.78	64.7	38.8	81	1.8	101
C.V. %	9.90	-	-	-	-	-
LSD (0.05)	0.65	-	-	-	-	-

<sup>a</sup> no. of days from seeding to maturity

<sup>1</sup> Hulless barley

**INFORMATION ONLY -VERNER LOCATION**  
**TESTING AREA V & VI**  
**BARLEY**  
**AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity <sup>a</sup> days
AC Kings	3.74	58.6	42.4	78	-	-
AC Queens	3.64	58.9	42.0	89	-	-
AC Sirius	4.11	57.4	41.5	77	-	-
AC Sterling	3.72	58.6	40.7	86	-	-
Belmore	3.64	59.9	40.9	75	-	-
Breslau	3.20	57.4	36.7	79	-	-
Formosa	4.09	59.9	41.4	70	-	-
Morrison	4.33	61.1	41.4	78	-	-
Sunderland	4.01	59.9	38.9	71	-	-
Viking	3.46	59.9	40.7	77	-	-
AB162-12	3.80	58.6	38.8	83	-	-
T203-049	4.01	61.1	40.3	77	-	-
AB168-11 <sup>1</sup>	2.68	59.9	37.1	80	-	-
AC Alma	4.19	53.6	40.1	74	-	-
AC Hamilton	3.46	52.4	35.8	78	-	-
AC Legend	3.75	53.6	40.7	73	-	-
AC Nadia	3.75	54.9	34.1	81	-	-
AC Stephen	3.72	54.9	29.0	83	-	-
ACCA	4.50	58.6	37.7	81	-	-
Brucefield	4.44	56.1	38.1	73	-	-
B1602	4.08	56.1	33.6	76	-	-
Chapais	4.20	56.1	40.8	70	-	-
Foster	3.87	53.6	35.9	74	-	-
Grant	4.23	56.1	39.6	88	-	-
Leger	4.53	56.1	35.8	85	-	-
Myriam	4.25	57.4	38.4	78	-	-
Sandrine	4.80	57.4	35.1	87	-	-
CMB936588	4.07	57.4	40.0	76	-	-
C226-007	4.20	56.1	36.3	69	-	-
C231-041	4.31	56.1	35.4	78	-	-
GB936942	3.85	57.4	30.6	87	-	-
RE80	4.42	56.1	35.1	87	-	-
AC Bacon <sup>1</sup>	3.31	51.1	34.0	82	-	-
Mean	3.95	57.1	37.8	79	-	-
C.V. %	11.1	-	-	-	-	-
LSD (0.05)	0.62	-	-	-	-	-

<sup>a</sup> no. of days from seeding to maturity

<sup>1</sup> Hulless barley

## DESCRIPTION OF CULTIVARS IN PERFORMANCE TRIALS, 1998

## OATS

- AC Assiniboia (Robert 68(OT 275)) - a backcross of the crown rust resistance gene Pc68 into Robert developed by Agriculture Canada, Winnipeg. Registered in 1994, distributed by C & M Seeds.
- AC Francis (OA 961-1) - an oat developed by AAFC from a complex cross with Newman and other lines. Registered in 1996, distributed by SeCan.
- AC Hunter (OA 804-5) - a white-hulled oat developed by Agriculture Canada, Ottawa from the cross 01146-9/OT210. Registered in 1992, distributed by SeCan.
- AC Rigodon (QO 256.39) - a white-hulled oat developed by Agriculture Canada, Ste-Foy from the cross Ogle//2897/Kent/3/QO174.19. Registered in 1992, distributed by SeCan.
- AC Stewart (OA 796-15) - a yellow-hulled oat developed by Agriculture Canada, Ottawa from the cross 4\*Ogle/OT219. Registered in 1991, distributed by SeCan.
- Ida (MI-0-88-22) - a white-hulled oat developed by Michigan State University from the cross ILL.79-5394/Ogle. Registered in 1997, distributed by W.G. Thompson & Sons Ltd.
- Irish (MI-0-88-30) - a yellow-hulled oat developed by Michigan State University from the cross ILL.79-5394/Ogle. Registered in 1998, distributed by W.G. Thompson & Sons Ltd.
- Moffat (NY79083-42) - a white-hulled oat developed by Cornell University from the cross Ogle/Aurora II. Registered in 1996, distributed by W.G. Thomspon & Sons Ltd..
- OAC Paisley (GA 891234) - a yellow-hulled oat cultivar developed by OAC from the cross Ogle/OA630-2. Registered in 1995, distributed by SeCan.
- Robert - a tan-hulled oat developed by AAFC, Winnipeg. Distributed by C & M Seeds.
- Triple Crown (SW 18352) - a white-hulled oat developed by Svalof-Wiebulls, tested and distributed by W.G. Thompsons & Sons Ltd. Registered in 1997.
- CM-OT 276 - a white-hulled oat developed by the Winnipeg Research Station of Agriculture Canada, tested by C & M Seeds. Supported for registration by OCCC in 1997.
- GA 921019 - a white oat developed by OAC from the cross Ogle/OA715-55//OA629-6//Ogle. Supported for registration by OCCC in 1997.
- GA 921021 - a white oat developed by OAC from the cross Ogle/OA715-55//OA629-6//Ogle. Supported for reigstration by OCCC in 1997.
- OA 965-1 - a white-hulled oat developed by AAFC-ECORC from the cross OA904-1-89\*4/PC62.
- OA 966-1 - a white-hulled oat developed by AAFC-ECORC from the cross OA905-1-69/84/PC68.
- AC Baton - a hullless oat developed by AAFC from the cross 04441/04102-297. Registered in 1994, distributed by SeCan.

AC Ernie  
(NO61-1)

- a hulless oat developed by AAFC-ECORC from the cross Capital\*2/04434.634.-17.  
Registered in 1997, distributed by C & M Seeds.

AC Lotta  
(NO 820-3)

- a hulless oat developed by Agriculture Canada, Ottawa from the cross O4186/OA501-1.  
Registered in 1991, distributed by C & M Seeds.



**OATS**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1998**

Cultivar	II & IV(4)**		III(2)		V & VI (2)		PROVINCE***(8)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	2.70	14	3.11	6	5.01	13	3.38	3018
AC Francis	2.90	11	2.96	10	5.67	2	3.61	3221
AC Hunter	-	-	3.00	8	-	-	-	-
AC Rigodon	3.07	7	3.51	3	5.11	11	3.69	3296
AC Stewart	3.46	2	2.56	13	5.27	6	3.69	3294
Ida	3.22	3	3.19	5	5.18	9	3.70	3305
Irish	3.64	1	3.78	2	5.84	1	4.23	3775
Moffat	3.21	4	3.10	7	5.14	10	3.67	3272
OAC Paisley	3.20	5	3.26	4	5.56	3	3.81	3399
Robert	2.70	13	2.11	15	5.04	12	3.14	2801
Triple Crown	2.13	15	3.92	1	5.24	7	3.35	2993
CM-OT276	3.09	6	1.80	16	5.21	8	3.30	2943
GA921019	3.02	9	2.52	14	4.80	15	3.34	2983
GA921021	3.05	8	2.75	12	4.89	14	3.44	3069
OA965-1	2.80	12	2.89	11	5.41	4	3.48	3103
OA966-1	2.99	10	2.97	9	5.28	5	3.56	3178
Mean	3.01	-	2.97	-	5.24	-	3.56	3177
AC Baton <sup>1</sup>	1.72	3	1.82	2	3.92	2	2.29	2048
AC Ernie <sup>1</sup>	1.99	1	2.36	1	3.98	1	2.58	2305
AC Lotta <sup>1</sup>	1.95	2	1.71	3	3.83	3	2.36	2107
Mean	1.89	-	1.96	-	3.91	-	2.41	2153

\* See attached map

\*\* No. of locations

\*\*\* Weighted average

<sup>1</sup> hullless oats

**OATS**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1998**

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	90	105	96	95
AC Francis	96	100	108	101
AC Hunter	-	101	-	-
AC Rigodon	102	118	98	104
AC Stewart	115	86	101	104
Ida	107	107	99	104
Irish	121	127	112	119
Moffat	107	104	98	103
OAC Paisley	106	110	106	107
Robert	90	71	96	88
Triple Crown	71	132	100	94
CM-OT276	103	61	99	93
GA921019	100	85	92	94
GA921021	101	93	93	97
OA965-1	93	97	103	98
OA966-1	99	100	101	100
Mean yield t/ha	3.01	2.97	5.24	3.56
AC Baton <sup>1</sup>	91	93	100	95
AC Ernie <sup>1</sup>	105	121	102	107
AC Lotta <sup>1</sup>	103	87	98	98
Mean yield t/ha	1.89	1.96	3.91	2.41

<sup>1</sup>hulless oats

**OATS**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1997-98**

Cultivar	II & IV(8)**		III(4)		V & VI (4)		PROVINCE***(16)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	3.43	10	3.19	7	6.06	6	4.03	3595
AC Francis	3.33	11	3.13	8	5.98	8	3.94	3521
AC Hunter	-	-	3.25	5	-	-	-	-
AC Rigodon	3.74	4	3.38	3	6.43	2	4.32	3858
AC Stewart	3.71	6	2.86	10	5.56	10	3.96	3535
Ida	3.80	3	3.20	6	5.56	10	4.09	3652
Irish	3.96	1	3.51	1	6.22	4	4.41	3941
Moffat	3.74	4	3.05	9	5.99	7	4.13	3689
OAC Paisley	3.82	2	3.33	4	6.59	1	4.39	3920
Triple Crown	3.22	12	3.48	2	6.29	3	4.05	3618
CM-OT276	3.57	7	2.63	13	6.21	5	4.00	3569
GA921019	3.51	9	2.73	12	5.42	12	3.79	3384
GA921021	3.52	8	2.82	11	5.59	9	3.86	3448
Mean	3.61	-	3.12	-	5.99	-	4.08	3647
AC Baton <sup>1</sup>	2.05	2	2.05	1	4.20	2	2.58	2307
AC Lotta <sup>1</sup>	2.33	1	1.86	2	4.27	1	2.70	2410
Mean	2.19	-	1.96	-	4.24	-	2.64	2359

\* See attached map; \*\* No. of locations; \*\*\* Weighted average; <sup>1</sup> hulless oats

**OATS**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1997-98**

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	95	102	101	99
AC Francis	92	100	100	97
AC Hunter	-	104	-	-
AC Rigodon	104	108	107	106
AC Stewart	103	92	93	97
Ida	105	102	93	100
Irish	110	113	104	108
Moffat	104	98	100	101
OAC Paisley	106	107	110	108
Triple Crown	89	112	105	99
CM-OT276	99	84	104	98
GA921019	97	87	91	93
GA921021	98	90	93	95
Mean yield t/ha	3.61	3.12	5.99	4.08
AC Baton <sup>1</sup>	93	104	99	98
AC Lotta <sup>1</sup>	106	95	101	102
Mean yield t/ha	2.19	1.96	4.24	2.64

<sup>1</sup>hulless oats

**OATS**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1996-98**

Cultivar	II & IV(11)**		III(5)		V & VI (5)		PROVINCE***(21)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	3.87	3	3.43	3	5.94	4	4.26	3800
AC Francis	3.65	6	3.21	6	5.99	3	4.11	3665
AC Hunter	-	-	3.35	4	-	-	-	-
AC Rigodon	3.85	4	3.60	1	6.38	2	4.39	3920
AC Stewart	3.76	5	3.12	7	5.50	5	4.02	3590
Moffat	3.93	2	3.32	5	-	-	-	-
OAC Paisley	3.94	1	3.49	2	6.69	1	4.49	4008
Mean	3.83	-	3.36	-	6.05	-	4.25	3792
AC Baton <sup>1</sup>	2.02	2	2.04	1	4.05	2	2.51	2238
AC Lotta <sup>1</sup>	2.29	1	1.86	2	4.19	1	2.64	2356
Mean	2.15	-	1.95	-	4.12	-	2.57	2297

\* See attached map

\*\* No. of locations

\*\*\* Weighted average

<sup>1</sup> hullless oats

**OATS**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1996-98**

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	101	102	98	100
AC Francis	95	96	99	97
AC Hunter	-	100	-	-
AC Rigodon	100	107	105	103
AC Stewart	98	93	91	95
Moffat	103	99	-	-
OAC Paisley	103	104	111	106
Mean yield t/ha	3.83	3.36	6.05	4.25
AC Baton <sup>1</sup>	94	104	98	98
AC Lotta <sup>1</sup>	106	95	102	103
Mean yield t/ha	2.15	1.95	4.12	2.57

<sup>1</sup> hullless oats

**OATS**  
**MEAN YIELDS IN DIFFERENT AREAS\*, 1995-98**

Cultivar	II & IV(18)**		III(5)		V & VI (10)		PROVINCE***(33)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	3.78	3	3.43	3	5.13	3	4.14	3695
AC Hunter	-	-	3.35	4	-	-	-	-
AC Rigodon	3.63	4	3.60	1	5.34	1	4.14	3701
AC Stewart	3.79	2	3.12	5	4.48	4	3.90	3480
OAC Paisley	3.90	1	3.49	2	5.31	2	4.26	3808
Mean	3.78	-	3.40	-	5.08	-	4.11	3673
AC Lotta <sup>1</sup>	2.27	1	1.86	1	3.35	1	2.54	2265

\* See attached map

\*\* No. of locations

\*\*\* Weighted average

<sup>1</sup> hulless oats

**OATS**  
**DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1995-98**

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	100	101	101	101
AC Francis	-	99	-	-
AC Rigodon	96	106	105	101
AC Stewart	100	92	88	95
OAC Paisley	103	103	104	104
Mean yield t/ha	3.78	3.40	5.08	4.11
AC Lotta <sup>1</sup>	100	100	100	100
Mean yield t/ha	2.27	1.86	3.35	2.54

<sup>1</sup> hulless oats

**TESTING AREA II & IV  
OATS  
AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9 (2)	Maturity <sup>a</sup> days (3)	Leaf Rust 0-9 (1)	Septoria 0-9 (2)
AC Assiniboia	2.70	43.6	34.0	75	5.0	89	0.0	3.3
AC Francis	2.90	44.5	35.0	78	3.8	86	4.0	4.8
AC Rigodon	3.07	41.5	31.9	77	3.0	89	6.0	3.0
AC Stewart	3.46	43.4	36.1	78	4.8	86	7.0	3.8
Ida	3.22	44.9	29.8	79	3.5	89	5.0	3.0
Irish	3.64	44.2	31.0	81	4.8	87	5.0	4.0
Moffat	3.21	42.6	27.9	68	2.5	89	4.0	3.3
OAC Paisley	3.20	41.3	33.9	76	1.8	88	7.0	2.8
Robert	2.70	43.2	34.4	72	4.8	90	3.0	3.8
Triple Crown	2.13	34.5	26.1	75	2.3	93	0.0	1.5
CM-OT276	3.09	47.6	33.6	77	3.0	89	5.0	3.5
GA921019	3.02	42.5	28.4	78	5.8	85	4.0	4.8
GA921021	3.05	44.6	32.1	80	2.3	89	4.0	3.0
OA965-1	2.80	45.0	33.5	82	3.8	85	0.0	5.3
OA966-1	2.99	44.8	34.8	81	4.0	86	0.0	5.5
AC Baton	1.72	46.6	25.9	82	2.5	88	8.0	4.3
AC Ernie	1.99	52.7	25.2	79	1.5	89	8.0	4.0
AC Lotta	1.95	50.4	27.4	88	2.8	87	9.0	4.3

<sup>a</sup> no. of days from seeding to maturity; \* no. of locations

**AGRONOMIC DATA, 1997-98**

Cultivar	Yield t/ha* (8)	wt/hl kg (8)	Kernel Weight g/1000 (8)	Height cm (8)	Lodging 0-9** (2)	Maturity <sup>a</sup> days (5)	Leaf Rust 0-9 (3)	Septoria 0-9 (5)
AC Assiniboia	3.43	45.1	38.9	80	5.0	94	0.0	3.6
AC Francis	3.33	46.3	37.9	81	3.8	92	2.0	5.4
AC Rigodon	3.74	45.3	36.1	85	3.0	94	4.3	3.1
AC Stewart	3.71	45.1	39.1	80	4.8	92	5.7	4.7
Ida	3.80	47.1	33.1	82	3.5	94	1.7	3.2
Irish	3.96	46.3	34.7	84	4.8	93	2.2	4.3
Moffat	3.74	44.5	31.3	70	2.5	94	2.7	3.2
OAC Paisley	3.82	44.9	34.8	80	1.8	93	5.3	3.6
Triple Crown	3.22	40.3	31.6	81	2.3	98	0.0	1.8
CM-OT276	3.57	47.4	37.2	79	3.0	94	1.7	3.2
GA921019	3.51	45.1	32.6	81	5.8	89	1.9	4.6
GA921021	3.52	46.5	34.3	83	2.3	94	1.9	3.4
AC Baton	2.05	50.8	28.4	87	2.5	93	5.3	4.7
AC Lotta	2.33	51.4	27.5	93	2.8	91	6.5	5.1

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\*1998 data ONLY

**TESTING AREA II & IV  
OATS  
AGRONOMIC DATA, 1996-98**

Cultivar	Yield t/ha (11)*	wt/hl kg (11)	Kernel Weight g/1000 (11)	Height cm (10)	Lodging 0-9** (4)	Maturity <sup>a</sup> days (7)	Leaf Rust 0-9 (5)	Septoria 0-9 (6)
AC Assiniboia	3.87	45.8	39.7	86	3.4	94	0.1	3.2
AC Francis	3.65	46.1	38.1	85	4.3	93	1.2	5.3
AC Rigodon	3.85	45.3	36.7	91	3.6	94	4.5	2.8
AC Stewart	3.76	44.2	38.7	86	3.9	92	5.5	4.6
Moffat	3.93	43.9	32.3	76	3.8	95	3.1	2.8
OAC Paisley	3.94	44.1	35.1	86	2.3	93	4.9	3.5
AC Baton	2.02	49.8	27.7	92	2.4	94	5.7	4.4
AC Lotta	2.29	50.9	27.0	99	3.0	92	6.1	5.1

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\*1996 & 1998 data ONLY

**AGRONOMIC DATA, 1995-98**

Cultivar	Yield t/ha (18)*	wt/hl kg (18)	Kernel Weight g/1000 (18)	Height cm (16)	Lodging 0-9** (10)	Maturity <sup>a</sup> days (11)	Leaf Rust 0-9 (8)	Septoria 0-9 (9)
AC Assinbioia	3.78	46.3	38.2	88	2.5	92	0.1	3.7
AC Rigodon	3.63	45.0	34.7	93	3.7	92	4.3	3.2
AC Stewart	3.79	44.6	37.7	86	3.2	89	5.3	4.7
OAC Paisley	3.90	44.5	34.6	87	1.7	90	4.7	4.1
AC Lotta	2.27	52.5	25.9	99	3.7	90	6.0	5.1

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\*1995-96, 1998 data ONLY

**TESTING AREA II & IV  
OATS  
Yield data for 1998**

Cultivar	Huron I	Huron II	Wellington I	Perth	Average			
					t/ha	Rank	lb/a	bu/a
AC Assiniboia	2065	2608	3899	2223	2.70	14	2410	70.9
AC Francis	2150	2898	4233	2311	2.90	11	2588	76.1
AC Rigodon	2820	2883	4327	2265	3.07	7	2744	80.7
AC Stewart	3297	3138	4684	2726	3.46	2	3090	90.9
Ida	2512	3115	4617	2624	3.22	3	2872	84.5
Irish	3327	3519	4849	2875	3.64	1	3252	95.7
Moffat	3001	2780	4455	2603	3.21	4	2866	84.3
OAC Paisley	2011	3138	4848	2820	3.20	5	2861	84.1
Robert	1993	2711	4019	2082	2.70	13	2412	70.9
Triple Crown	1341	2060	4004	1101	2.13	15	1899	55.8
CM-OT276	2536	3073	4334	2405	3.09	6	2756	81.1
GA921019	2585	2799	4278	2426	3.02	9	2698	79.4
GA921021	2826	2749	4217	2422	3.05	8	2726	80.2
OA965-1	2198	2578	4200	2217	2.80	12	2498	73.5
OA966-1	2609	2643	4343	2383	2.99	10	2674	78.6
AC Baton	1063	1725	2559	1525	1.72	18	1534	-
AC Ernie	1256	1824	3082	1811	1.99	16	1780	-
AC Lotta	1184	1829	3125	1661	1.95	17	1741	-
Mean	2265	2669	4115	2249	2.82	-	2522	-
C.V. %	13.6	12.0	4.8	7.2	9.4	-	-	-
LSD (0.05)	433	457	234	191	0.33	-	-	-



**TESTING AREA III  
OATS  
AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (-)	Maturity <sup>a</sup> days (1)	Leaf Rust 0-9 (1)
AC Assiniboia	3.11	50.0	38.9	90	-	106	0.0
AC Francis	2.96	48.0	33.7	79	-	105	0.0
AC Hunter	3.00	47.0	33.9	98	-	105	0.0
AC Rigodon	3.51	46.7	32.2	96	-	105	2.0
AC Stewart	2.56	46.1	34.4	77	-	101	1.0
Ida	3.19	49.5	30.7	87	-	105	1.0
Irish	3.78	49.1	31.7	82	-	105	0.0
Moffat	3.10	46.8	30.9	77	-	105	0.0
OAC Paisley	3.26	44.8	31.4	85	-	104	1.0
Robert	2.11	44.2	31.2	86	-	106	1.8
Triple Crown	3.92	49.3	34.4	95	-	108	0.0
CM-OT276	1.80	49.1	30.7	89	-	106	1.8
GA921019	2.52	45.2	27.9	81	-	100	0.0
GA921021	2.75	47.3	29.7	90	-	104	0.0
OA965-1	2.89	49.3	35.2	78	-	103	0.0
OA966-1	2.97	49.4	37.9	81	-	103	0.0
AC Baton	1.82	54.6	25.9	84	-	105	2.3
AC Ernie	2.36	57.4	22.3	93	-	105	1.8
AC Lotta	1.71	53.5	27.9	89	-	102	2.8

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

**AGRONOMIC DATA, 1997-98**

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9 (-)	Maturity <sup>a</sup> days** (1)	Leaf Rust 0-9** (1)
AC Assiniboia	3.19	49.9	38.6	83	-	106	0.0
AC Francis	3.13	50.1	36.0	76	-	105	0.0
AC Hunter	3.25	48.6	36.8	90	-	105	0.0
AC Rigodon	3.38	48.5	34.3	86	-	105	2.0
AC Stewart	2.86	47.5	36.5	73	-	101	1.0
Ida	3.20	50.4	31.3	78	-	105	1.0
Irish	3.51	50.5	33.7	78	-	105	0.0
Moffat	3.05	48.3	31.4	69	-	105	0.0
OAC Paisley	3.33	47.4	34.1	78	-	104	1.0
Triple Crown	3.48	49.2	33.6	87	-	108	0.0
CM-OT276	2.63	49.4	34.1	81	-	106	1.8
GA921019	2.73	46.3	28.5	75	-	100	0.0
GA921021	2.82	48.8	30.8	82	-	104	0.0
AC Baton	2.05	60.1	29.4	80	-	105	2.3
AC Lotta	1.86	47.7	28.7	86	-	102	2.8

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1998 data ONLY

**TESTING AREA III  
OATS  
AGRONOMIC DATA, 1996-98**

Cultivar	Yield t/ha (5)*	wt/hl kg (5)	Kernel Weight g/1000 (5)	Height cm (5)	Lodging 0-9** (1)	Maturity <sup>a</sup> days*** (1)	Leaf Rust 0-9**** (2)
AC Assiniboia	3.43	51.2	38.9	86	1.3	106	0.0
AC Francis	3.21	51.5	36.6	80	6.8	105	0.0
AC Hunter	3.35	49.6	36.2	93	4.0	105	0.2
AC Rigodon	3.60	50.5	34.8	89	2.0	105	2.5
AC Stewart	3.12	48.7	37.3	77	2.8	101	1.5
Moffat	3.32	50.1	31.4	72	2.0	105	0.3
OAC Paisley	3.49	49.0	34.5	81	2.3	104	1.5
AC Baton	2.04	59.4	30.5	84	7.0	105	2.8
AC Lotta	1.86	57.8	27.3	90	8.0	102	3.3

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1996 data ONLY

\*\*\* 1998 data ONLY

\*\*\*\* 1996, 1998 data ONLY

**AGRONOMIC DATA, 1995-98**

Cultivar	Yield t/ha** (5)*	wt/hl kg (6)	Kernel Weight g/1000 (6)	Height cm (7)	Lodging 0-9*** (2)	Maturity <sup>a</sup> days**** (2)	Leaf Rust 0-9***** (2)
AC Assiniboia	3.43	53.1	38.6	86	2.7	102	0.0
AC Hunter	3.35	51.7	35.8	92	2.0	102	0.2
AC Rigodon	3.60	52.7	34.6	88	1.5	96	1.5
AC Stewart	3.12	49.9	36.9	77	1.4	92	1.0
OAC Paisley	3.49	50.8	34.2	81	1.2	95	1.0
AC Lotta	1.86	57.3	27.8	90	4.0	100	1.9

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1996-98 data ONLY

\*\*\* 1995-96 data ONLY

\*\*\*\* 1995, 1998 data ONLY

\*\*\*\*\* 1996, 1998 data ONLY

**TESTING AREA III  
OATS  
Yield data for 1998**

Cultivar	Grenville	Carleton I	Average			
			t/ha	Rank	lb/a	bu/a
AC Assiniboia	3340	2887	3.11	6	2780	81.8
AC Francis	3270	2656	2.96	10	2646	77.8
AC Hunter	3170	2833	3.00	8	2680	78.8
AC Rigodon	3080	3935	3.51	3	3132	92.1
AC Stewart	2410	2718	2.56	13	2289	67.3
Ida	2970	3412	3.19	5	2849	83.8
Irish	3750	3815	3.78	2	3377	99.3
Moffat	2740	3454	3.10	7	2765	81.3
OAC Paisley	2710	3804	3.26	4	2908	85.5
Robert	1450	2771	2.11	16	1884	55.4
Triple Crown	4220	3616	3.92	1	3498	102.9
CM-OT276	1730	1874	1.80	18	1609	47.3
GA921019	2570	2466	2.52	14	2248	66.1
GA921021	2370	3128	2.75	12	2454	72.2
OA965-1	3050	2736	2.89	11	2583	76.0
OA966-1	3140	2805	2.97	9	2654	78.1
AC Baton	1350	2281	1.82	17	1621	-
AC Ernie	1950	2774	2.36	15	2109	-
AC Lotta	1430	1985	1.71	19	1525	-
Mean	2670	2945	2.81	-	2507	-
C.V. %	12.3	10.2	11.2	-	-	-
LSD (0.05)	464	275	0.37	-	-	-

**INFORMATION ONLY - WINCHESTER LOCATION**  
**TESTING AREA III**  
**OATS**  
**AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha	wt/hi kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity <sup>a</sup> days
AC Assiniboia	2.99	45.7	36.0	97	6.0	-
AC Francis	2.40	40.3	27.8	84	8.0	-
AC Hunter	2.20	37.7	27.8	101	8.0	-
AC Rigodon	2.31	36.1	22.8	100	8.0	-
AC Stewart	1.70	34.4	26.0	84	8.0	-
Ida	2.29	41.3	27.3	93	8.0	-
Irish	2.71	42.7	29.3	90	8.0	-
Moffat	2.87	43.0	27.0	84	7.8	-
OAC Paisley	2.01	35.7	25.3	95	8.0	-
Robert	1.23	34.0	20.8	89	8.0	-
Triple Crown	2.85	42.4	27.3	102	4.5	-
CM-OT276	1.21	38.8	22.8	93	8.0	-
GA921019	2.00	37.8	24.3	88	8.0	-
GA921021	1.81	36.9	21.8	96	8.0	-
OA965-1	3.10	46.1	35.7	91	7.5	-
OA966-1	2.85	43.7	33.8	88	7.8	-
AC Baton	0.98	41.5	16.3	96	8.0	-
AC Ernie	1.23	47.5	16.3	98	8.0	-
AC Lotta	1.08	43.7	18.5	89	8.0	-
Mean	2.08	40.5	25.6	93	7.7	-
C.V. %	21.2	-	-	-	-	-
LSD (0.05)	NA	-	-	-	-	-

<sup>a</sup>no. of days from seeding to maturity

**TESTING AREA V & VI  
OATS  
AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (-)	Maturity <sup>a</sup> days (2)
AC Assiniboia	5.01	46.7	37.4	92	-	109
AC Francis	5.67	50.0	37.9	92	-	106
AC Rigodon	5.11	47.7	36.0	99	-	107
AC Stewart	5.27	49.5	40.7	84	-	106
Ida	5.18	50.0	34.6	85	-	106
Irish	5.84	50.7	36.6	88	-	107
Moffat	5.14	48.5	33.0	78	-	109
OAC Paisley	5.56	47.5	35.9	88	-	106
Robert	5.04	50.1	39.3	88	-	109
Triple Crown	5.24	45.6	31.7	99	-	110
CM-OT276	5.21	53.3	36.1	94	-	107
GA921019	4.80	48.6	33.2	86	-	102
GA921021	4.89	49.1	34.4	96	-	107
OA965-1	5.41	51.2	39.8	94	-	106
OA966-1	5.28	50.7	41.5	92	-	105
AC Baton	3.92	55.2	30.8	100	-	107
AC Ernie	3.98	59.2	26.8	97	-	108
AC Lotta	3.83	57.3	30.5	101	-	107

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

**AGRONOMIC DATA, 1997-98**

Cultivar	Yield t/ha (4)*	wt/hl kg (5)	Kernel Weight g/1000 (5)	Height cm (4)	Lodging 0-9** (1)	Maturity <sup>a</sup> days (3)
AC Assiniboia	6.06	46.9	37.0	97	0.0	106
AC Francis	5.98	48.6	35.2	94	2.0	104
AC Rigodon	6.43	48.0	36.8	103	1.0	104
AC Stewart	5.56	48.4	37.7	86		104
Ida	5.56	49.1	32.5	89	0.0	104
Irish	6.22	47.4	34.4	91	0.0	105
Moffat	5.99	48.0	31.4	82	0.0	106
OAC Paisley	6.59	47.8	35.6	92	0.0	104
Triple Crown	6.29	44.2	32.5	102	0.0	106
CM-OT276	6.21	51.3	36.1	100	0.0	105
GA921019	5.42	46.3	31.1	89	3.0	100
GA921021	5.59	49.8	33.0	99	0.0	105
AC Baton	4.20	57.1	29.6	103	0.0	104
AC Lotta	4.27	57.6	30.5	102	0.0	105

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1997 data ONLY

**TESTING AREA V & VI  
OATS  
AGRONOMIC DATA, 1996-98**

Cultivar	Yield t/ha (5)*	wt/hl kg (6)	Kernel Weight g/1000 (6)	Height cm (5)	Lodging 0-9** (2)	Maturity <sup>a</sup> days (4)
AC Assiniboia	5.94	47.4	37.0	97	1.0	106
AC Francis	5.99	48.4	34.9	95	2.5	103
AC Rigodon	6.38	48.5	36.9	101	2.5	104
AC Stewart	5.50	48.0	37.9	87	1.5	103
OAC Paisley	6.69	48.1	35.8	93	0.5	104
AC Baton	4.05	57.2	29.2	103	2.0	104
AC Lotta	4.19	57.8	30.6	102	0.5	104

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1996-97 data ONLY

**AGRONOMIC DATA, 1995-98**

Cultivar	Yield t/ha (10)*	wt/hl kg (11)	Kernel Weight g/1000 (11)	Height cm (10)	Lodging 0-9** (3)	Maturity <sup>a</sup> days (7)
AC Assiniboia	5.13	45.3	35.8	92	0.6	101
AC Rigodon	5.34	46.4	36.5	96	2.3	101
AC Stewart	4.48	44.8	36.6	84	1.0	99
OAC Paisley	5.31	44.4	34.7	89	0.3	100
AC Lotta	3.35	53.7	29.7	99	1.3	100

<sup>a</sup> no. of days from seeding to maturity

\* no. of locations

\*\* 1995-97 data ONLY

**TESTING AREA V & VI**  
**OATS**  
**Yield data for 1998**

Cultivar	Temiskaming	Thunder Bay	Average			
			t/ha	Rank	lb/a	bu/a
AC Assiniboia	4800	5223	5.01	13	4475	131.6
AC Francis	5554	5789	5.67	2	5064	148.9
AC Rigodon	4669	5550	5.11	11	4562	134.2
AC Stewart	5258	5279	5.27	6	4704	138.4
Ida	5189	5173	5.18	9	4626	136.1
Irish	6049	5637	5.84	1	5217	153.4
Moffat	4939	5349	5.14	10	4593	135.1
OAC Paisley	5761	5359	5.56	3	4964	146.0
Robert	5241	4832	5.04	12	4497	132.3
Triple Crown	5147	5324	5.24	7	4675	137.5
CM-OT276	5757	4660	5.21	8	4650	136.8
GA921019	5227	4381	4.80	15	4289	126.2
GA921021	4899	4884	4.89	14	4367	128.5
OA965-1	5323	5502	5.41	4	4833	142.1
OA966-1	5467	5087	5.28	5	4712	138.6
AC Baton	3499	4349	3.92	17	3504	-
AC Ernie	3535	4423	3.98	16	3553	-
AC Lotta	3871	3790	3.83	18	3420	-
Mean	5111	5033	5.07	-	4529	-
C.V. %	10.7	10.9	10.8	-	-	-
LSD (0.05)	774	778	0.78	-	-	-

**INFORMATION ONLY - KAPUSKASING LOCATION**  
**TESTING AREA V & VI**  
**OATS**  
**AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity <sup>a</sup> days
AC Assiniboia	5.07	48.6	33.6	96	2.3	104
AC Francis	5.27	49.6	36.7	97	2.5	99
AC Rigodon	5.41	47.7	34.1	96	2.5	104
AC Stewart	4.76	48.1	40.0	90	2.8	98
Ida	4.88	50.7	31.0	95	2.5	100
Irish	5.65	47.7	32.7	96	2.5	99
Moffat	4.47	45.6	32.4	76	3.3	99
OAC Paisley	5.76	49.7	34.8	95	2.8	101
Robert	4.94	46.4	33.7	91	2.3	103
Triple Crown	5.00	47.0	32.2	98	2.0	105
CM-OT276	5.67	51.7	34.1	99	2.3	103
GA921019	4.87	48.1	31.3	92	2.8	97
GA921021	4.84	48.1	31.1	96	2.5	104
OA965-1	4.38	48.8	35.1	97	2.5	100
OA966-1	4.71	49.4	37.6	90	2.8	99
AC Baton	2.29	53.7	27.8	96	2.8	102
AC Ernie	3.86	57.5	27.2	96	2.5	102
AC Lotta	2.51	47.4	28.2	103	2.0	98
Mean	4.68	49.3	33	95	2.5	101
C.V. %	9.9	-	-	-	-	-
LSD (0.05)	0.66	-	-	-	-	-

<sup>a</sup>no. of days from seeding to maturity



**INFORMATION ONLY - VERNER LOCATION  
TESTING AREA V & VI  
OATS  
AGRONOMIC DATA, 1998**

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity <sup>a</sup> days
AC Assiniboia	3.77	49.9	38.6	97	-	-
AC Francis	3.83	49.2	36.2	99	-	-
AC Rigodon	4.31	49.9	36.8	105	-	-
AC Stewart	3.65	49.9	37.9	89	-	-
Ida	3.87	49.9	37.8	92	-	-
Irish	4.66	48.6	37.0	93	-	-
Moffat	3.67	48.6	32.2	76	-	-
OAC Paisley	4.57	48.6	39.9	98	-	-
Robert	3.48	51.1	41.3	100	-	-
Triple Crown	4.51	47.4	32.7	113	-	-
CM-OT276	4.00	52.4	38.2	97	-	-
GA921019	3.90	48.6	31.5	95	-	-
GA921021	3.66	49.9	31.7	99	-	-
OA965-1	3.83	49.9	38.1	99	-	-
OA966-1	3.88	49.9	41.7	99	-	-
AC Baton	2.82	58.6	28.5	106	-	-
AC Ernie	3.08	58.6	26.2	105	-	-
AC Lotta	3.10	58.6	30.1	110	-	-
Mean	3.81	51.1	35.3	99	-	-
C.V. %	11.2	-	-	-	-	-
LSD (0.05)	0.61	-	-	-	-	-

<sup>a</sup>no. of days from seeding to maturity

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

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## LEGEND

YLD	-	YIELD (T/HA; 1 T/HA = 14.87 BU/AC)
TSTW	-	TEST WEIGHT (KG/HL)
KW	-	KERNEL WEIGHT (MG)
SUR	-	SURVIVAL (%)
LOG	-	LODGING
HGT	-	HEIGHT (CM)
HDT	-	HEADING DATE (DAYS FROM JAN.1)
MIL	-	MILDEW
LRS	-	LEAF RUST
SEP	-	SEPTORIA
GLB	-	GLUME BLOTCH
HBL	-	HEAD BLIGHT
SSM	-	SPINDLE STREAK MOSAIC VIRUS
BYD	-	BARLEY YELLOW DWARF VIRUS
SRS	-	STEM RUST
MDT	-	MATURITY DATE (DAYS FROM JAN.1)

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## LOCATIONS ABBREVIATIONS

EA	ELORA
BH	BATH
CA	CENTRALIA
GH	GUELPH
HN	HARRISTON
HW	HARROW
ID	INWOOD
KE	KEMPTVILLE
LN	LONDON
MH	MORPETH
NN	NAIRN
O1	OTTAWA-1
O2	OTTAWA-2
RN	RIDGETOWN
WE	WOODSLEE
WK	WOODSTOCK
WP	WINTHROP

## WHEAT CLASS ABBREVIATIONS

HRW	HARD RED WINTER
SRW	SOFT RED WINTER
SWW	SOFT WHITE WINTER

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

DESCRIPTION OF VARIETIES/LINES TESTED

Variety Name;class type: experimental designation - pedigree - breeder,institute - sponsor, distributor - date, number and type of registration.

- 1 *Harus*;SWW: H1-11-3 - Fredrick/Yorkstar - A.Teich, Agriculture & Agri-Food Can., Harrow, ON - SeCan - 04/85, 2518, Full Registration for Canada.
- 2 *Karena*;SWW: TW85108 - Augusta/H11(Harus Bulk) L. Shugar, W.G.Thompson & Sons Ltd. - 05/1991, 3445, Full Registration for Canada.
- 3 *AC-Ron*;SWW: H212-8 - Harus/Augusta - A.Teich,Agriculture & Agri-Food Canada, Harrow - SeCan - 03/95,3552,Full Registration for Canada.
- 4 *OAC-Ariss*;SWW: OAC87:22 - Yorkstar/Fredrick - L.A.Hunt,University of Guelph - SeCan - 02/1995, 4061, Full Registration for Canada
- 5 *Fundulea*;HRW: F29-76 - Aurora/Riley.67 - Fundulea Research Institute,Romania C&M Seeds - 3358, 1/91 - Regional Registration for NFD,PEI,NS, NB,ON,PQ.
- 6 *Marilee*;SWW: TW89204, L. Shugar, W.G.Thompson & Sons Ltd. - 12/1994, 4037, Full Registration for Canada.
- 7 *Freedom*;SRW: GR876/OH217(OH217=Logan\*3/3/Va63-52-12/Loban//Blueboy-F2) - Ohio State University - C&M Seeds - 11/1997,4653, Regional Registration for Nfld,PEI,NS,NB,ON,PQ.
- \*8 *AC-Dexter*;SWW: PRCW9201 - R.Pandeya,Agriculture and Agri-Food Canada, Ottawa,ON
- 9 *AC-Cartier*;SWW: PRCW9203 - Lennox x Fredrick)F5 x Augusta - R.Pandeya,Agriculture and Agri-Food Canada, Ottawa,ON - Advantage Seed's - 4626 - Full Registration for Canada.
- 10 *AC-Morley*;HRW: H242:31:1- Siouxland/Perlo - Abe Teich, Agriculture & Agri-Food Can., Harrow,ON - Advantage Seed Growers and Processors Inc.R.R.#1, Inkerman, ON, KOE 1J0 - 08/1997, I-228 Interim Regional Registration for NFD,PEI,NS,NB,ON,PQ.
- \*11 2737W;SWW: FKM/Pioneer variety 2550//Pioneer line W9018A/Houser - Bill Laskar, Pioneer Hi-Bred International,Inc.,Indiana - Pioneer Hi-Bred Ltd., Chatham, ON. - 07/95, 4159, Full Registration for Canada.
- \*12 2510;SRW: Aurora/Pioneer 2550 sib//Pioneer variety 2553/Caldwell - B. Laskar, Pioneer Hi-Bred International Inc.,Indiana - Pioneer Hi-Bred Ltd., Chatham,ON. - 08/95,4165, Regional Registration: NFD,PEI,NS,NB,ON,PQ.
- 13 25W33;SWW-a: XW741 - Pioneer variety 2548/Pioneer variety 2555 sib - Bill Laskar, Pioneer Hi-Bred International Inc., Indiana - Pioneer Hi-Bred Ltd., Chatham, ON.- 03/1997, 4523, Registered for all provinces except Quebec.
- 14 *Hanover*;HRW: SEMU34208 - Iljitshovka/Hadm.6508/74 - Dr.W.Porche,Semundo Saatzucht, Germany, - Hyland Seeds, W.G.Thompson & Sons Ltd.- 04/1996, 4301, Regional Registration for NFD,PEI,NS,NB,ON,PQ.
- 15 *Mendon*;SRW: X0467/B2141//B5250 - Michigan State Univ.- W.G.Thompson & Sons Ltd. - Hyland Seeds, W.G.Thompson & Sons Ltd.- 04/1996, 4302, Regional Registration for NFD,PEI,NS,NB,ON,PQ.
- 16 *OAC Montrose*;HRW: OAC93R:12 - Monopol/Fundulea - L.A.Hunt, University of Guelph - SeCan - 12/1996, I-214 Interim Regional Registration for NFD,PEI,NS,NB,ON,PQ.

\* Entry was dropped from the 1998/99 Performance Trial.

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

DESCRIPTION OF VARIETIES/LINES TESTED

Variety Name;class type: experimental designation - pedigree - breeder,institute - sponsor, distributor - date, number and type of registration.

- 17 Patriot;HRW: CM94090 - 18.178/Aurora//F1684/Pterzia - Pflanzzucht Oberlimpurg - C&M Seeds - 03/1998, 4714, Regional Registration for NFD,PEI,NS,NB,ON.
- 18 2540;SRW-a: Pioneer line W9018A/2555 sib//Stella/Caldwell - Bill Laskar, Pioneer Hi-Bred International Inc.,Indiana - Pioneer Hi-Bred Ltd., Chatham, ON. - 08/1997, I-230, Full Registration for ON.
- 19 25R57;SRW: Augusta/Pioneer variety 2555//2548 - Bill Laskar, Pioneer Hi-Bred International Inc., Indiana - Pioneer Hi-Bred Ltd., Chatham, ON. - 08/1997, I-231, Interim Registration for ON.
- 20 Huron;SWW: CO250/B7101//PIONEER W9021R, W.G.Thompson & Sons Ltd./Hensall District Coop. - Interim Registration , 08/97,I229
- \*21 Adelaide;SWW: TW91203 - 065-5-1/OAC82-14 - L. Shugar, W.G.Thompson & Sons Ltd. 4672 - Full Registration for Nfld,PEI,NS,NB,ON.
- 22 Superior;SWW: TW93211 - Rebecca/Harus - L. Shugar, W.G.Thompson & Sons Ltd. - 4673 - Full Registration for Nfld,PEI,NS,NB,ON.
- 23 25R26;SRW-a: 2548 sib/Pioneer line W9057c//Pioneer line W9018A/Pioneer variety 2555 sib - B.Laskar, Pioneer Hi-Bred International Inc. Indiana - Pioneer Hi-Bred Ltd., Chatham, ON. - Interim Registration.
- 24 25W60;SWW-a: WBI0638E1 - Kavkaz/Hart//Pioneer variety 2550/3/Pioneer var.2555 backcross line/4/Pioneer variety 2548 - Bill Laskar, Pioneer Hi-Bred International Inc.,Indiana - Pioneer Hi-Bred Ltd., Chatham, ON. - Registration pending.
- 25 AC Mackinnon;SWW PRC9308 - R.Pandeya,Agriculture and Agri-Food Canada, Ottawa,ON - C & M Seeds - 4816 - Full Registration for Canada.
- 26 AC Mountain;SWW H649:14 - O-45-2/Houser//Anette - R.Pandeya,Agriculture & Agri-Food Can.,Ottawa,ON - SeCan - 4820 - Full Registration: Nfld,PEI,NS,NB,ON.
- 27 AC Essex;SWW: H649:5 - O-45-2/Houser//Anette - R.Pandeya,Agriculture & Agri-Food Canada,Ottawa,ON - Ferguson Seeds - 4819 - Full Registration for Nfld,PEI,NS,NB,ON.
- 28 AC Zorro;HRW: PRC9325 - Valor/Odessa4 - R.Pandeya,Agriculture & Agri-Food Canada, Ottawa,ON - SeCan - I-247 - Interim registration: Nfld,PEI,NS,NB,ON.
- 29 AC Delta;HRW: PRC9327 - Valor/Odessa4 - R.Pandeya,Agriculture & Agri-Food Canada, Ottawa,ON 4817 - Full Registration for Nfld,PEI,NS,NB,ON.
- \*30 S93:1;HRW-a: SeCan
- \*31 MWH95:069531;SRW Heartland Seeds
- \*32 LJH95:0189;SRW: Heartland Seeds
- 33 Ashland;SRW: F94:010:S1 - Advantage Seeds - 4793 -Full Registration for Nfld,PEI,NS,NB,ON.

\* Entry was dropped from the 1998/99 Performance Trial.

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD INDEX  
YEAR(S): 93-98

KEY NAME	AREA I (18)* MEAN	AREA II (32) MEAN	AREA III (8) MEAN	PROV. (58)** MEAN
1 HARUS;SWW	96.9	98.3	95.2	97.5
2 KARENA;SWW	98.5	99.8	103.3	99.9
3 AC RON;SWW	101.1	101.8	105.4	102.1
4 OAC ARISS;SWW	99.6	100.2	99.8	100.0
5 FUNDULEA;HRW	103.9	99.8	96.3	100.6
OVERALL MEAN(T/HA)	5.16	5.32	5.27	5.26

TRAIT : YIELD INDEX  
YEAR(S): 94-98

KEY NAME	AREA I (17)* MEAN	AREA II (26) MEAN	AREA III (6) MEAN	PROV. (49)** MEAN
1 HARUS;SWW	97.2	96.1	94.4	96.3
2 KARENA;SWW	99.3	100.7	100.9	100.2
3 AC RON;SWW	101.9	102.0	106.0	102.5
4 OAC ARISS;SWW	100.1	101.1	97.1	100.3
5 FUNDULEA;HRW	103.8	96.9	96.4	99.2
6 MARILEE;SWW	97.6	103.2	105.2	101.5
OVERALL MEAN(T/HA)	5.16	5.61	5.37	5.42

TRAIT : YIELD INDEX  
YEAR(S): 95-98

KEY NAME	AREA I (14)* MEAN	AREA II (20) MEAN	AREA III (4) MEAN	PROV. (38)** MEAN
1 HARUS;SWW	95.7	95.9	94.2	95.6
2 KARENA;SWW	98.1	100.0	100.1	99.3
3 AC RON;SWW	101.0	100.7	106.9	101.5
4 OAC ARISS;SWW	99.3	100.3	101.8	100.1
5 FUNDULEA;HRW	103.0	96.6	94.1	98.7
6 MARILEE;SWW	95.8	102.2	102.2	99.9
7 FREEDOM;SRW	107.1	104.3	100.7	105.0
OVERALL MEAN(T/HA)	5.19	5.69	4.98	5.43

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD INDEX  
YEAR(S): 96-98

KEY NAME	AREA I (10)* MEAN	AREA II (12) MEAN	AREA III (2) MEAN	PROV. (24)** MEAN
1 HARUS;SWW	93.2	96.1	91.9	94.6
2 KARENA;SWW	95.9	102.9	97.9	99.6
3 AC RON;SWW	98.1	99.3	110.5	99.7
4 OAC ARISS;SWW	98.1	101.1	101.4	99.8
5 FUNDULEA;HRW	99.3	95.5	88.3	96.5
6 MARILEE;SWW	95.3	103.2	102.6	99.9
7 FREEDOM;SRW	104.0	104.9	95.0	103.7
8 AC DEXTER;SWW	98.2	93.4	106.7	96.5
10 AC MORLEY;HRW	95.8	104.6	94.6	100.1
11 2737W;SWW	108.7	99.0	107.5	103.8
12 2510;SRW	109.2	100.1	92.5	103.2
13 25W33;SWW-a	104.6	104.2	108.4	104.7
14 HANOVER;HRW	92.4	93.0	100.8	93.4
15 MENDON;SRW	107.1	102.6	101.9	104.4
OVERALL MEAN (T/HA)	4.87	5.48	5.19	5.20

TRAIT : YIELD INDEX  
YEAR(S): 97-98

KEY NAME	AREA I (6)* MEAN	AREA II (8) MEAN	PROV. (15)** MEAN
1 HARUS;SWW	96.6	97.4	96.8
2 KARENA;SWW	98.9	103.9	102.0
3 AC RON;SWW	98.6	101.9	101.1
4 OAC ARISS;SWW	97.8	101.4	100.5
5 FUNDULEA;HRW	99.7	95.3	96.6
6 MARILEE;SWW	92.6	101.5	97.9
7 FREEDOM;SRW	101.7	102.9	101.6
8 AC DEXTER;SWW	95.5	99.8	98.7
10 AC MORLEY;HRW	93.1	100.1	97.2
11 2737W;SWW	108.8	102.4	104.5
12 2510;SRW	106.1	95.3	99.4
13 25W33;SWW-a	105.3	99.1	101.9
14 HANOVER;HRW	92.1	91.6	91.8
15 MENDON;SRW	104.7	103.2	104.3
16 OAC MONTROSE;HRW	92.4	90.8	90.5
17 PATRIOT;HRW	99.2	97.4	97.9
18 2540;SRW-a	114.1	104.7	109.1
19 25R57;SRW	106.6	105.4	105.3
20 HURON;SWW	101.3	100.2	100.8
21 ADELAIDE;SWW	97.4	100.4	99.6
22 SUPERIOR;SWW	97.4	105.4	102.4
OVERALL MEAN (T/HA)	5.23	5.96	5.62

\* # OF LOCATIONS  
\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD INDEX  
 AREAS : 1 - 3 \*\*\*  
 YEAR : 98

KEY NAME	AREA I (3)* MEAN	AREA II (4) MEAN	PROV. (8)** MEAN
1 HARUS;SWW	99.9	102.2	100.3
2 KARENA;SWW	99.4	106.5	103.8
3 AC RON;SWW	96.7	105.2	102.6
4 OAC ARISS;SWW	94.6	100.3	99.4
5 FUNDULEA;HRW	99.4	95.2	96.0
6 MARILEE;SWW	92.3	98.9	96.8
7 FREEDOM;SRW	102.0	102.5	100.9
8 AC DEXTER;SWW	102.4	105.3	104.8
9 AC CARTIER;SWW	93.4	95.1	96.5
10 AC MORLEY;HRW	90.4	102.1	97.3
11 2737W;SWW	114.7	103.6	106.9
12 2510;SRW	107.5	88.9	96.3
13 25W33;SWW-a	105.2	100.7	102.8
14 HANOVER;HRW	95.0	90.9	92.5
15 MENDON;SRW	108.0	110.9	109.9
16 OAC MONTROSE;HRW	91.4	88.4	88.0
17 PATRIOT;HRW	104.8	102.0	102.3
18 2540;SRW-a	116.9	109.1	112.7
19 25R57;SRW	114.9	109.4	109.9
20 HURON;SWW	100.6	104.9	103.1
21 ADELAIDE;SWW	95.7	99.1	98.7
22 SUPERIOR;SWW	94.7	108.6	103.4
23 25R26;SRW-a	120.4	103.6	109.2
24 25W60;SWW-a	122.1	112.2	114.9
25 AC MACKINNON;SWW	105.5	112.3	110.0
26 AC MOUNTAIN;SWW	114.8	112.1	113.6
27 AC ESSEX;SWW	110.1	105.0	108.4
28 AC ZORRO;HRW	65.7	83.1	77.4
29 AC DELTA;HRW	62.0	77.5	73.2
30 S93:1;HRW-a	69.8	79.4	78.4
31 MWH95:069531;SRW	98.8	95.4	95.0
32 LJH95:0189;SRW	106.4	92.1	96.0
33 ASHLAND;SRW	104.5	97.2	98.8
OVERALL MEAN (T/HA)	4.79	6.00	5.45

\* # OF LOCATIONS  
 \*\* AVERAGE ACROSS LOCATIONS  
 \*\*\* REFER TO OTTAWA DATA ON PAGE 83 FOR AREA III RESULTS.

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRAIT : YIELD (T/HA)  
 YEAR(S) : 93-98  
 AREAS : 1 - 3

KEY NAME	AREA I (18)* MEAN	AREA II (32) MEAN	AREA III (8) MEAN	PROV. (58)** MEAN
1 HARUS;SWW	4.99	5.22	5.04	5.12
2 KARENA;SWW	5.09	5.33	5.45	5.27
3 AC RON;SWW	5.24	5.45	5.56	5.40
4 OAC ARISS;SWW	5.13	5.34	5.22	5.26
5 FUNDULEA;HRW	5.35	5.26	5.08	5.26
OVERALL MEAN	5.16	5.32	5.27	5.26

TRAIT : YIELD INDEX  
 YEAR(S) : 93-98  
 AREAS : 1 - 3

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (18)* MEAN	AREA II (32) MEAN	AREA III (8) MEAN	PROV. (58)** MEAN
1 HARUS;SWW	96.9	98.3	95.2	97.5
2 KARENA;SWW	98.5	99.8	103.3	99.9
3 AC RON;SWW	101.1	101.8	105.4	102.1
4 OAC ARISS;SWW	99.6	100.2	99.8	100.0
5 FUNDULEA;HRW	103.9	99.8	96.3	100.6
OVERALL MEAN (T/HA)	5.16	5.32	5.27	5.26

\* # OF LOCATIONS  
 \*\* AVERAGE ACROSS LOCATIONS



## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S) : 93-98  
 MGMT : NORMAL  
 AREA : 1

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	5	4.99	72.1	35	81	.6	102	157	1.5	3.3	4.4	7.0	2.1	.	1.5	.	193
2 KARENA;SWW	4	5.09	72.2	35	89	1.4	106	158	1.4	2.9	3.6	5.0	1.9	.	1.2	.	194
3 AC RON;SWW	2	5.24	71.2	33	90	1.6	105	157	1.7	3.6	4.6	5.0	2.8	.	1.3	.	193
4 OAC ARISS;SWW	3	5.13	73.8	32	91	1.6	97	158	1.8	4.4	3.9	6.0	1.3	.	1.3	.	193
5 FUNDULEA;HRW	1	5.35	76.8	33	84	.3	96	158	2.6	.6	5.2	6.0	1.4	.	.7	.	194
LOCATIONS		18	14	14	4	12	18	16	15	10	5	1	6	0	6	0	4

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: RIDGETOWN.  
 1994: HARROW, RIDGETOWN, INWOOD.  
 1995: HARROW, WOODSLEE, RIDGETOWN, INWOOD.  
 1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD.  
 1997: WOODSLEE, RIDGETOWN, INWOOD.  
 1998: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S) : 93-98  
 MGMT : NORMAL  
 AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	5	5.22	73.0	36	90	1.0	99	163	1.3	3.2	3.6	4.4	2.8	4.0	1.0	2.7	198
2 KARENA;SWW	3	5.33	71.5	35	92	1.4	103	164	1.3	2.4	3.2	3.0	2.2	5.7	1.7	3.1	199
3 AC RON;SWW	1	5.45	71.1	35	92	1.7	102	164	1.7	3.1	3.3	2.8	3.9	3.7	1.9	4.0	199
4 OAC ARISS;SWW	2	5.34	73.1	33	92	1.5	95	165	1.7	3.9	3.4	2.8	2.5	3.3	1.5	2.6	199
5 FUNDULEA;HRW	4	5.26	75.9	33	92	.8	91	165	2.1	.4	3.9	4.4	2.5	1.5	1.5	.8	199
LOCATIONS		32	34	34	16	22	33	28	22	7	20	6	5	2	3	6	12

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: NAIRN, LONDON, WINTHROP, ELORA, HARRISTON, BATH.  
 1994: NAIRN, LONDON, WINTHROP, ELORA, HARRISTON, BATH.  
 1995: NAIRN, LONDON, WINTHROP, CENTRALIA, WOODSTOCK, GUELPH, ELORA, HARRISTON.  
 1996: LONDON, CENTRALIA, WOODSTOCK, ELORA.  
 1997: NAIRN, ELORA, WOODSTOCK, HARRISTON.  
 1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S): 93-98  
 MGMT : NORMAL  
 AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	5	5.04	77.3	37	79	.8	95	165	1.7	.	.	.	.	.	.	.	.
2 KARENA;SWW	2	5.45	77.7	37	79	.8	98	166	.6	.	.	.	.	.	.	.	.
3 AC RON;SWW	1	5.56	76.2	36	86	.6	99	165	2.5	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	3	5.22	78.3	34	84	1.4	91	167	.6	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	4	5.08	81.3	36	77	1.0	87	167	1.6	.	.	.	.	.	.	.	.
LOCATIONS		8	9	10	7	4	10	10	3	0	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: KEMPTVILLE, OTTAWA-1.  
 1994: KEMPTVILLE, OTTAWA-1.  
 1995: KEMPTVILLE, OTTAWA-1.  
 1996: OTTAWA-1.  
 1997: THERE ARE NO YIELD DATA FOR AREA III IN 1997  
 1998: OTTAWA-1.

YEAR(S): 93-98  
 MGMT : NORMAL  
 AREA(S): 1- 3

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	5	5.12	73.5	36	86	.8	99	161	1.4	3.3	3.8	4.7	2.4	4.0	1.3	2.7	197
2 KARENA;SWW	2	5.27	72.6	35	88	1.3	103	162	1.3	2.7	3.3	3.3	2.1	5.7	1.3	3.1	198
3 AC RON;SWW	1	5.40	71.9	35	90	1.6	102	162	1.8	3.4	3.5	3.1	3.3	3.7	1.5	4.0	197
4 OAC ARISS;SWW	3	5.26	74.1	33	90	1.5	95	163	1.6	4.2	3.5	3.3	1.9	3.3	1.4	2.6	197
5 FUNDULEA;HRW	3	5.26	77.0	34	87	.7	92	163	2.2	.5	4.2	4.7	1.9	1.5	1.0	.8	197
LOCATIONS		58	57	58	27	38	61	54	40	17	25	7	11	2	9	6	16

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: RIDGETOWN, NAIRN, LONDON, WINTHROP, ELORA, HARRISTON, BATH, KEMPTVILLE, OTTAWA-1.  
 1994: HARROW, RIDGETOWN, INWOOD, NAIRN, LONDON, WINTHROP, ELORA, HARRISTON, BATH, KEMPTVILLE, OTTAWA-1.  
 1995: HARROW, WOODSLEE, RIDGETOWN, INWOOD, NAIRN, LONDON, WINTHROP, CENTRALIA, WOODSTOCK, GUELPH, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1.  
 1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD, LONDON, CENTRALIA, WOODSTOCK, ELORA, OTTAWA-1.  
 1997: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON.  
 1998: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRAIT : YIELD (T/HA)  
 YEAR(S) : 94-98  
 AREA : 1 - 3

KEY NAME	AREA I (17)* MEAN	AREA II (26) MEAN	AREA III (6) MEAN	PROV. (49)** MEAN
1 HARUS;SWW	5.02	5.41	5.08	5.23
2 KARENA;SWW	5.15	5.65	5.43	5.45
3 AC RON;SWW	5.29	5.74	5.69	5.58
4 OAC ARISS;SWW	5.17	5.66	5.19	5.43
5 FUNDULEA;HRW	5.36	5.42	5.18	5.37
6 MARILEE;SWW	4.98	5.77	5.64	5.48
OVERALL MEAN	5.16	5.61	5.37	5.42

TRAIT : YIELD INDEX  
 YEAR(S) : 94-98  
 AREA : 1 - 3

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (17)* MEAN	AREA II (26) MEAN	AREA III (6) MEAN	PROV. (49)** MEAN
1 HARUS;SWW	97.2	96.1	94.4	96.3
2 KARENA;SWW	99.3	100.7	100.9	100.2
3 AC RON;SWW	101.9	102.0	106.0	102.5
4 OAC ARISS;SWW	100.1	101.1	97.1	100.3
5 FUNDULEA;HRW	103.8	96.9	96.4	99.2
6 MARILEE;SWW	97.6	103.2	105.2	101.5
OVERALL MEAN (T/HA)	5.16	5.61	5.37	5.42

\* # OF LOCATIONS  
 \*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S): 94-98  
 MGMT : NORMAL  
 AREA : 1

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	5	5.02	72.3	36	81	.6	102	157	1.5	3.3	4.4	7.0	2.1	.	.8	.	193
2 KARENA;SWW	4	5.15	72.6	35	89	1.4	106	157	1.5	2.8	3.6	5.0	2.3	.	.7	.	194
3 AC RON;SWW	2	5.29	71.6	34	90	1.7	105	157	1.8	3.5	4.6	5.0	3.6	.	.9	.	193
4 OAC ARISS;SWW	3	5.17	74.0	32	91	1.7	97	158	1.8	4.4	3.9	6.0	1.8	.	.9	.	193
5 FUNDULEA;HRW	1	5.36	77.0	34	84	.4	96	158	2.7	.5	5.2	6.0	1.6	.	.5	.	194
6 MARILEE;SWW	6	4.98	71.1	38	82	1.2	101	159	2.5	4.5	3.5	2.0	2.4	.	1.7	.	195
LOCATIONS		17	13	13	4	11	16	14	14	8	5	1	4	0	5	0	4

YIELD AVERAGES WERE BASED ON DATA FROM:

1994: HARROW, RIDGETOWN, INWOOD.  
 1995: HARROW, WOODSLEE, RIDGETOWN, INWOOD.  
 1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD.  
 1997: WOODSLEE, RIDGETOWN, INWOOD.  
 1998: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S): 94-98  
 MGMT : NORMAL  
 AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	6	5.41	74.1	38	89	.9	99	162	1.2	2.7	3.9	4.4	2.8	4.0	.5	.2	198
2 KARENA;SWW	4	5.65	73.2	37	92	1.4	103	163	1.2	1.9	3.6	3.0	2.2	5.7	.4	1.5	199
3 AC RON;SWW	2	5.74	72.8	37	91	1.6	102	163	1.5	2.5	3.7	2.8	3.9	3.7	.4	2.7	199
4 OAC ARISS;SWW	3	5.66	74.9	35	91	1.5	94	164	1.5	3.3	3.6	2.8	2.5	3.3	.6	.4	199
5 FUNDULEA;HRW	5	5.42	76.5	34	91	.8	91	164	2.1	.5	4.4	4.4	2.5	1.5	.4	.0	199
6 MARILEE;SWW	1	5.77	71.8	41	88	1.4	97	164	1.7	3.5	3.9	2.9	2.6	2.8	1.3	.0	201
LOCATIONS		26	27	27	14	18	26	23	20	6	16	6	5	2	1	2	12

YIELD AVERAGES WERE BASED ON DATA FROM:

1994: NAIRN, LONDON, WINTHROP, ELORA, HARRISTON, BATH.  
 1995: NAIRN, LONDON, WINTHROP, CENTRALIA, WOODSTOCK, GUELPH, ELORA, HARRISTON.  
 1996: LONDON, CENTRALIA, WOODSTOCK, ELORA.  
 1997: NAIRN, ELORA, WOODSTOCK, HARRISTON.  
 1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## VTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S): 94-98  
 MGMT : NORMAL  
 AREA : 3

NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 HARUS;SWW	6	5.08	76.7	36	81	1.0	93	164	1.7	.	.	.	.	.	.	.	.
2 KARENA;SWW	3	5.43	77.1	37	79	1.1	95	165	.6	.	.	.	.	.	.	.	.
3 AC RON;SWW	1	5.69	75.8	36	88	.8	96	164	2.5	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	4	5.19	77.9	34	83	1.3	87	166	.6	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	5	5.18	80.2	36	80	1.3	85	166	1.6	.	.	.	.	.	.	.	.
6 MARILEE;SWW	2	5.64	74.9	40	83	.8	93	166	2.6	.	.	.	.	.	.	.	.
LOCATIONS		6	7	8	5	3	8	8	3	0	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:

1994: KEMPTVILLE, OTTAWA-1.

1995: KEMPTVILLE, OTTAWA-1.

1996: OTTAWA-1.

1997: THERE ARE NO YIELD DATA FOR AREA III IN 1997

1998: OTTAWA-1.

YEAR(S): 94-98  
 MGMT : NORMAL  
 AREA(S): 1- 3

KEY NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 HARUS;SWW	6	5.23	74.0	37	86	.8	99	161	1.3	3.0	4.0	4.7	2.5	4.0	.8	.2	197
2 KARENA;SWW	3	5.45	73.6	36	88	1.4	103	162	1.3	2.4	3.6	3.3	2.2	5.7	.7	1.5	198
3 AC RON;SWW	1	5.58	72.9	36	90	1.6	102	161	1.7	3.0	3.9	3.1	3.8	3.7	.8	2.7	197
4 OAC ARISS;SWW	4	5.43	75.1	34	89	1.6	94	162	1.5	3.9	3.7	3.3	2.2	3.3	.8	.4	197
5 FUNDULEA;HRW	5	5.37	77.2	34	88	.7	92	163	2.3	.5	4.6	4.7	2.1	1.5	.5	.0	197
6 MARILEE;SWW	2	5.48	72.1	40	86	1.3	98	163	2.1	4.1	3.8	2.7	2.5	2.8	1.7	.0	199
LOCATIONS		49	47	48	23	32	50	45	37	14	21	7	9	2	6	2	16

YIELD AVERAGES WERE BASED ON DATA FROM:

1994: HARROW, RIDGETOWN, INWOOD, NAIRN, LONDON, WINTHROP, ELORA, HARRISTON, BATH, KEMPTVILLE, OTTAWA-1.

1995: HARROW, WOODSLEE, RIDGETOWN, INWOOD, NAIRN, LONDON, WINTHROP, CENTRALIA, WOODSTOCK, GUELPH, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1.

1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD, LONDON, CENTRALIA, WOODSTOCK, ELORA, OTTAWA-1.

1997: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON.

1998: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRAIT : YIELD (T/HA)  
 YEAR(S) : 95-98  
 AREA : 1 - 3

KEY NAME	AREA I (14)*	AREA II (20)	AREA III (4)	PROV. (38)**
	MEAN	MEAN	MEAN	MEAN
1 HARUS;SWW	4.98	5.46	4.69	5.20
2 KARENA;SWW	5.13	5.70	4.99	5.41
3 AC RON;SWW	5.29	5.76	5.34	5.54
4 OAC ARISS;SWW	5.17	5.70	5.08	5.44
5 FUNDULEA;HRW	5.36	5.48	4.68	5.35
6 MARILEE;SWW	4.91	5.80	5.08	5.39
7 FREEDOM;SRW	5.52	5.93	5.00	5.68
OVERALL MEAN	5.19	5.69	4.98	5.43

TRAIT : YIELD INDEX  
 YEAR(S) : 95-98  
 AREA : 1 - 3

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (14)*	AREA II (20)	AREA III (4)	PROV. (38)**
	MEAN	MEAN	MEAN	MEAN
1 HARUS;SWW	95.7	95.9	94.2	95.6
2 KARENA;SWW	98.1	100.0	100.1	99.3
3 AC RON;SWW	101.0	100.7	106.9	101.5
4 OAC ARISS;SWW	99.3	100.3	101.8	100.1
5 FUNDULEA;HRW	103.0	96.6	94.1	98.7
6 MARILEE;SWW	95.8	102.2	102.2	99.9
7 FREEDOM;SRW	107.1	104.3	100.7	105.0
OVERALL MEAN (T/HA)	5.19	5.69	4.98	5.43

\* # OF LOCATIONS  
 \*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD  
 YEAR(S): 95-98  
 AREA(S): 1- 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	HW95N	WE95N	RN95N	ID95N	NN95N	CA95N	LN95N	WP95N	WK95N	EA95N
1 HARUS;SWW	94	96	99	97	101	99	86	96	92	98
2 KARENA;SWW	94	104	98	97	97	86	94	101	97	102
3 AC RON;SWW	106	101	101	102	101	106	106	101	105	103
4 OAC ARISS;SWW	84	101	98	105	96	103	98	97	102	101
5 FUNDULEA;HRW	118	107	101	100	99	101	106	98	96	91
6 MARILEE;SWW	87	86	93	100	99	104	102	102	100	102
7 FREEDOM;SRW	118	107	110	99	107	100	108	105	108	104
LOCATION MEAN	5.96	6.76	6.64	5.61	6.45	4.32	5.10	6.30	7.08	7.42

KEY NAME	GH95N	HN95N	KE95N	O195N	HW96N	WE96N	RN96N	ID96N	LN96N	CA96N
1 HARUS;SWW	98	98	96	94	85	91	97	88	94	92
2 KARENA;SWW	96	98	101	100	105	85	92	93	97	104
3 AC RON;SWW	105	101	98	105	97	112	97	94	85	93
4 OAC ARISS;SWW	97	102	98	103	102	109	93	100	96	104
5 FUNDULEA;HRW	107	94	98	99	111	101	93	100	106	97
6 MARILEE;SWW	101	100	103	97	106	96	98	110	106	107
7 FREEDOM;SRW	95	106	107	102	93	106	129	114	115	103
LOCATION MEAN	5.60	5.49	4.43	5.29	4.87	5.93	3.40	2.75	3.91	3.27

KEY NAME	WK96N	EA96N	O196N	WE97N	RN97N	ID97N	NN97N	WK97N	EA97N	HN97N
1 HARUS;SWW	91	98	93	93	102	90	89	93	92	98
2 KARENA;SWW	101	102	93	109	103	89	104	100	98	105
3 AC RON;SWW	100	98	115	110	100	97	100	103	98	95
4 OAC ARISS;SWW	94	108	96	110	95	104	105	98	108	100
5 FUNDULEA;HRW	99	82	91	103	92	111	100	99	97	87
6 MARILEE;SWW	107	106	107	77	104	102	105	107	101	103
7 FREEDOM;SRW	109	107	103	99	105	107	97	100	106	112
LOCATION MEAN	5.26	5.60	4.96	6.90	5.99	3.83	5.60	6.18	6.47	5.33

KEY NAME	WE98N	RN98N	ID98N	NN98N	WK98N	EA98N	HN98N	O198N	MEAN*
1 HARUS;SWW	109	98	99	100	96	104	103	94	96
2 KARENA;SWW	100	101	105	105	108	105	102	106	99
3 AC RON;SWW	97	102	98	101	108	99	106	110	101
4 OAC ARISS;SWW	100	95	96	100	98	95	102	110	100
5 FUNDULEA;HRW	104	104	97	93	93	97	91	89	99
6 MARILEE;SWW	90	95	98	101	95	98	96	102	100
7 FREEDOM;SRW	100	106	108	100	102	102	100	91	105
LOCATION MEAN	4.21	5.27	4.58	6.18	5.93	6.68	5.60	5.23	5.43

\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S): 95-98  
MGMT : NORMAL  
AREA : 1

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	6 4.98	72.0	36	81	.5	103	156	1.3	2.7	4.0	.	2.8	.	.8	.	193
2 KARENA;SWW	5 5.13	72.3	35	89	1.3	107	157	1.3	2.7	3.5	.	2.9	.	.7	.	194
3 AC RON;SWW	3 5.29	71.6	34	90	1.5	105	157	1.7	3.1	4.7	.	4.7	.	.9	.	193
4 OAC ARISS;SWW	4 5.17	73.8	32	91	2.0	98	158	1.7	4.3	3.4	.	2.3	.	.9	.	193
5 FUNDULEA;HRW	2 5.36	76.9	33	84	.4	97	158	2.7	.5	4.8	.	2.2	.	.5	.	194
6 MARILEE;SWW	7 4.91	71.3	38	82	1.1	101	159	2.5	4.4	2.9	.	3.0	.	1.7	.	195
7 FREEDOM;SRW	1 5.52	72.8	33	84	1.6	96	156	1.8	.6	4.0	.	2.2	.	.5	.	195
LOCATIONS	14	11	11	4	9	13	11	11	6	4	0	3	0	5	0	4

YIELD AVERAGES WERE BASED ON DATA FROM:  
1995: HARROW, WOODSLEE, RIDGETOWN, INWOOD.  
1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD.  
1997: WOODSLEE, RIDGETOWN, INWOOD.  
1998: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S): 95-98  
MGMT : NORMAL  
AREA : 2

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	7 5.46	73.9	37	90	.9	100	161	1.2	2.8	4.2	1.8	3.3	6.0	.5	.2	198
2 KARENA;SWW	4 5.70	73.0	37	92	1.3	105	162	1.1	2.1	3.8	1.6	2.4	8.0	.4	1.5	199
3 AC RON;SWW	3 5.76	72.4	36	91	1.7	103	162	1.5	2.5	4.1	1.0	4.6	6.0	.4	2.7	199
4 OAC ARISS;SWW	4 5.70	74.8	34	92	1.8	97	163	1.5	3.5	4.0	1.0	2.9	5.3	.6	.4	199
5 FUNDULEA;HRW	6 5.48	76.5	34	90	1.0	93	163	2.1	.3	4.4	1.6	3.0	1.0	.4	.0	199
6 MARILEE;SWW	2 5.80	71.7	40	87	1.7	99	164	1.8	3.8	4.2	2.2	3.0	1.0	1.3	.0	201
7 FREEDOM;SRW	1 5.93	73.9	34	87	2.1	94	162	.9	1.0	3.8	1.6	2.6	4.3	.6	.0	199
LOCATIONS	20	21	21	10	13	20	19	17	5	12	2	4	1	1	2	12

YIELD AVERAGES WERE BASED ON DATA FROM:  
1995: NAIRN, LONDON, WINTHROP, CENTRALIA, WOODSTOCK, GUELPH, ELORA, HARRISTON.  
1996: LONDON, CENTRALIA, WOODSTOCK, ELORA.  
1997: NAIRN, ELORA, WOODSTOCK, HARRISTON.  
1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.

\* DAYS FROM JAN.1  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS



## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S): 95-98  
 MGMT : NORMAL  
 AREA : 3

KEY NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 HARUS;SWW	6	4.69	75.8	35	79	1.5	89	159	1.5	.	.	.	.	.	.	.	.
2 KARENA;SWW	5	4.99	76.0	35	74	1.6	90	160	.7	.	.	.	.	.	.	.	.
3 AC RON;SWW	1	5.34	75.2	35	88	1.0	92	159	1.8	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	2	5.08	77.5	33	82	1.0	84	160	.4	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	7	4.68	79.9	35	76	2.0	82	161	2.0	.	.	.	.	.	.	.	.
6 MARILEE;SWW	2	5.08	74.2	39	80	1.0	88	160	.9	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	4	5.00	75.5	36	79	2.2	82	159	.6	.	.	.	.	.	.	.	.
LOCATIONS		4	5	6	4	2	6	6	2	0	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:

1995: KEMPTVILLE, OTTAWA-1.

1996: OTTAWA-1.

1997: THERE ARE NO YIELD DATA FOR AREA III IN 1997

1998: OTTAWA-1.

YEAR(S): 95-98  
 MGMT : NORMAL  
 AREA(S): 1- 3

KEY NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 HARUS;SWW	7	5.20	73.6	36	86	.8	99	159	1.3	2.8	4.1	1.8	3.1	6.0	.8	.2	197
2 KARENA;SWW	4	5.41	73.2	36	87	1.3	103	160	1.2	2.4	3.7	1.6	2.6	8.0	.7	1.5	198
3 AC RON;SWW	2	5.54	72.6	36	90	1.6	102	160	1.6	2.9	4.2	1.0	4.6	6.0	.8	2.7	197
4 OAC ARISS;SWW	3	5.44	74.8	33	90	1.8	95	161	1.5	3.9	3.9	1.0	2.6	5.3	.8	.4	197
5 FUNDULEA;HRW	6	5.35	77.1	34	86	.9	92	161	2.3	.4	4.5	1.6	2.7	1.0	.5	.0	197
6 MARILEE;SWW	5	5.39	71.9	39	84	1.4	98	162	2.0	4.1	3.9	2.2	3.0	1.0	1.7	.0	199
7 FREEDOM;SRW	1	5.68	73.8	34	85	1.9	93	159	1.2	.8	3.8	1.6	2.4	4.3	.6	.0	198
LOCATIONS		38	37	38	18	24	39	36	30	11	16	2	7	1	6	2	16

YIELD AVERAGES WERE BASED ON DATA FROM:

1995: HARROW, WOODSLEE, RIDGETOWN, INWOOD, NAIRN, LONDON, WINTHROP, CENTRALIA, WOODSTOCK, GUELPH, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1.

1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD, LONDON, CENTRALIA, WOODSTOCK, ELORA, OTTAWA-1.

1997: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON.

1998: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRAIT : YIELD (T/HA)  
 YEAR(S) : 96-98  
 AREA : 1 - 3

KEY NAME	AREA I (10)* MEAN	AREA II (12) MEAN	AREA III (2) MEAN	PROV. (24)** MEAN
1 HARUS;SWW	4.56	5.28	4.77	4.94
2 KARENA;SWW	4.72	5.64	5.09	5.21
3 AC RON;SWW	4.85	5.48	5.73	5.24
4 OAC ARISS;SWW	4.82	5.54	5.27	5.21
5 FUNDULEA;HRW	4.85	5.22	4.58	5.01
6 MARILEE;SWW	4.59	5.64	5.32	5.17
7 FREEDOM;SRW	5.02	5.72	4.93	5.36
8 AC DEXTER;SWW	4.80	5.17	5.53	5.05
10 AC MORLEY;HRW	4.64	5.68	4.91	5.18
11 2737W;SWW	5.28	5.45	5.57	5.39
12 2510;SRW	5.29	5.43	4.80	5.32
13 25W33;SWW-a	5.08	5.68	5.62	5.43
14 HANOVER;HRW	4.46	5.10	5.22	4.84
15 MENDON;SRW	5.24	5.64	5.29	5.44
OVERALL MEAN	4.87	5.48	5.19	5.20

TRAIT : YIELD INDEX  
 YEAR(S) : 96-98  
 AREA : 1 - 3

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (10)* MEAN	AREA II (12) MEAN	AREA III (2) MEAN	PROV. (24)** MEAN
1 HARUS;SWW	93.2	96.1	91.9	94.6
2 KARENA;SWW	95.9	102.9	97.9	99.6
3 AC RON;SWW	98.1	99.3	110.5	99.7
4 OAC ARISS;SWW	98.1	101.1	101.4	99.8
5 FUNDULEA;HRW	99.3	95.5	88.3	96.5
6 MARILEE;SWW	95.3	103.2	102.6	99.9
7 FREEDOM;SRW	104.0	104.9	95.0	103.7
8 AC DEXTER;SWW	98.2	93.4	106.7	96.5
10 AC MORLEY;HRW	95.8	104.6	94.6	100.1
11 2737W;SWW	108.7	99.0	107.5	103.8
12 2510;SRW	109.2	100.1	92.5	103.2
13 25W33;SWW-a	104.6	104.2	108.4	104.7
14 HANOVER;HRW	92.4	93.0	100.8	93.4
15 MENDON;SRW	107.1	102.6	101.9	104.4
OVERALL MEAN (T/HA)	4.87	5.48	5.19	5.20

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD  
 YEAR(S): 96-98  
 AREA(S): 1- 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	HW96N	WE96N	RN96N	ID96N	LN96N	CA96N	WK96N	EA96N	O196N	WE97N
1 HARUS;SWW	84	88	90	87	94	92	91	95	90	93
2 KARENA;SWW	103	83	85	91	98	104	101	99	90	109
3 AC RON;SWW	95	108	90	93	86	93	100	95	112	110
4 OAC ARISS;SWW	100	105	87	98	97	104	94	104	93	110
5 FUNDULEA;HRW	108	98	87	99	106	96	99	80	88	103
6 MARILEE;SWW	103	92	91	108	107	107	108	103	104	77
7 FREEDOM;SRW	92	103	120	112	116	103	110	104	100	98
8 AC DEXTER;SWW	110	104	94	98	82	83	78	77	104	100
10 AC MORLEY;HRW	88	100	96	112	112	120	116	104	91	97
11 2737W;SWW	105	108	111	107	99	88	88	93	118	109
12 2510;SRW	107	112	114	118	111	110	107	108	93	109
13 25W33;SWW-a	105	94	125	88	106	110	115	125	114	94
14 HANOVER;HRW	91	91	98	88	77	95	99	109	111	81
15 MENDON;SRW	109	114	114	102	107	96	94	106	93	111
LOCATION MEAN	4.97	6.14	3.67	2.80	3.88	3.27	5.24	5.77	5.13	6.91

KEY NAME	RN97N	ID97N	NN97N	WK97N	EA97N	HN97N	WE98N	RN98N	ID98N	NN98N
1 HARUS;SWW	104	88	89	95	95	99	105	96	97	99
2 KARENA;SWW	105	87	104	102	100	105	96	98	102	104
3 AC RON;SWW	102	95	99	105	101	95	94	99	96	101
4 OAC ARISS;SWW	97	101	105	100	111	100	96	92	94	100
5 FUNDULEA;HRW	94	108	100	101	99	88	101	101	95	92
6 MARILEE;SWW	107	100	105	109	104	104	87	93	96	100
7 FREEDOM;SRW	107	104	97	102	108	112	96	103	105	99
8 AC DEXTER;SWW	85	86	100	93	97	93	99	104	103	104
10 AC MORLEY;HRW	99	96	94	99	100	105	89	86	95	96
11 2737W;SWW	96	110	102	101	103	105	119	112	111	103
12 2510;SRW	101	110	105	104	98	105	110	106	104	97
13 25W33;SWW-a	117	111	101	104	93	99	103	110	101	105
14 HANOVER;HRW	88	104	100	88	91	96	94	96	93	91
15 MENDON;SRW	99	99	98	98	100	93	110	104	108	110
LOCATION MEAN	5.85	3.92	5.61	6.06	6.31	5.31	4.36	5.41	4.68	6.22

KEY NAME	WK98N	EA98N	HN98N	O198N	MEAN*
1 HARUS;SWW	99	104	102	94	95
2 KARENA;SWW	112	105	101	106	100
3 AC RON;SWW	112	100	105	109	100
4 OAC ARISS;SWW	102	95	101	110	100
5 FUNDULEA;HRW	97	98	90	88	96
6 MARILEE;SWW	98	99	95	101	100
7 FREEDOM;SRW	106	102	99	90	104
8 AC DEXTER;SWW	107	104	102	110	97
10 AC MORLEY;HRW	97	107	105	99	100
11 2737W;SWW	104	101	104	97	104
12 2510;SRW	86	86	84	92	103
13 25W33;SWW-a	84	99	111	103	105
14 HANOVER;HRW	87	88	94	91	93
15 MENDON;SRW	109	113	107	111	104
LOCATION MEAN	5.71	6.66	5.66	5.24	5.20

\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S) : 96-98  
 MGMT : NORMAL  
 AREA : 1

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	13 4.56	71.9	35	81	.7	97	157	1.0	1.4	4.0	.	2.8	.	1.4	.	193
2 KARENA;SWW	10 4.72	72.6	35	89	.9	101	158	1.0	1.4	3.5	.	2.9	.	.9	.	194
3 AC RON;SWW	6 4.85	71.7	34	90	1.6	99	158	1.3	1.8	4.7	.	4.7	.	1.5	.	193
4 OAC ARISS;SWW	8 4.82	74.4	32	91	1.7	93	159	1.4	2.5	3.4	.	2.3	.	.8	.	193
5 FUNDULEA;HRW	6 4.85	76.9	33	84	.6	92	159	2.3	.8	4.8	.	2.2	.	.9	.	194
6 MARILEE;SWW	12 4.59	71.6	38	82	1.0	95	160	2.1	2.1	2.9	.	3.0	.	2.2	.	195
7 FREEDOM;SRW	5 5.02	72.8	33	84	1.7	90	157	1.7	.4	4.0	.	2.2	.	.6	.	195
8 AC DEXTER;SWW	9 4.80	70.1	35	93	2.8	101	157	.6	1.7	5.3	.	2.9	.	.9	.	193
10 AC MORLEY;HRW	11 4.64	76.5	35	89	2.0	110	157	.9	.3	4.3	.	1.4	.	1.0	.	194
11 2737W;SWW	2 5.28	71.5	33	92	.7	86	156	2.2	1.5	3.7	.	2.7	.	.7	.	194
12 2510;SRW	1 5.29	74.5	34	86	.3	85	158	5.9	.8	3.9	.	3.7	.	.8	.	195
13 25W33;SWW-a	4 5.08	71.9	30	78	.7	80	158	.8	1.0	4.2	.	2.6	.	1.2	.	194
14 HANOVER;HRW	14 4.46	71.9	36	91	.7	93	158	2.4	.4	5.0	.	4.7	.	1.2	.	194
15 MENDON;SRW	3 5.24	72.0	38	93	2.8	99	155	.9	1.7	4.8	.	2.6	.	.9	.	192
LOCATIONS	10	9	9	4	5	9	8	8	3	4	0	3	0	3	0	3

YIELD AVERAGES WERE BASED ON DATA FROM:  
 1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD.  
 1997: WOODSLEE, RIDGETOWN, INWOOD.  
 1998: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S) : 96-98  
 MGMT : NORMAL  
 AREA : 2

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	11 5.28	74.4	37	88	.2	96	162	1.3	2.9	4.3	2.0	3.3	.	.5	.0	199
2 KARENA;SWW	4 5.64	73.4	36	91	.8	101	163	1.2	2.0	3.8	2.5	2.4	.	.4	1.0	201
3 AC RON;SWW	8 5.48	72.6	36	90	.6	100	162	1.4	2.5	4.0	1.5	4.6	.	.4	2.0	201
4 OAC ARISS;SWW	7 5.54	75.2	34	91	.8	93	164	1.3	3.4	4.1	1.5	2.9	.	.6	.0	200
5 FUNDULEA;HRW	12 5.22	76.3	34	87	.6	87	164	2.0	.4	4.7	2.0	3.0	.	.4	.0	200
6 MARILEE;SWW	4 5.64	72.0	40	84	.3	95	165	1.8	4.0	4.2	3.0	3.0	.	1.3	.0	203
7 FREEDOM;SRW	1 5.72	74.5	34	84	1.2	90	162	.9	.9	4.1	1.5	2.6	.	.6	.0	200
8 AC DEXTER;SWW	13 5.17	69.8	37	90	1.6	98	162	.3	3.6	4.6	1.0	5.3	.	.8	4.0	200
10 AC MORLEY;HRW	2 5.68	77.8	37	86	1.5	105	163	.9	.4	3.8	1.5	2.0	.	.8	.0	200
11 2737W;SWW	9 5.45	72.4	33	87	.1	83	162	1.7	1.8	4.2	1.0	6.0	.	1.2	1.0	199
12 2510;SRW	10 5.43	75.7	35	87	.1	82	162	6.1	1.2	3.5	2.0	4.9	.	1.0	.0	201
13 25W33;SWW-a	2 5.68	72.7	32	83	.1	77	162	.1	1.2	3.7	1.0	3.2	.	.5	3.0	200
14 HANOVER;HRW	14 5.10	71.7	39	88	.3	91	164	2.3	.7	4.0	2.5	5.1	.	.1	.0	201
15 MENDON;SRW	4 5.64	73.0	40	93	1.8	96	160	.6	2.8	4.4	2.0	3.8	.	.9	2.5	199
LOCATIONS	12	12	12	7	6	12	12	11	4	8	1	4	0	1	1	8

YIELD AVERAGES WERE BASED ON DATA FROM:  
 1996: LONDON, CENTRALIA, WOODSTOCK, ELORA .  
 1997: NAIRN, ELORA, WOODSTOCK, HARRISTON.  
 1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.

\* DAYS FROM JAN.1  
 A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S): 96-98  
 MGMT : NORMAL  
 AREA : 3

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRs 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	13 4.77	77.6	37	78	1.0	80	157	1.5	.	.	.	.	.	.	.	.
2 KARENA;SWW	9 5.09	77.5	37	73	1.3	85	158	.7	.	.	.	.	.	.	.	.
3 AC RON;SWW	1 5.73	76.8	37	87	1.0	84	157	1.8	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	7 5.27	79.1	34	79	1.0	77	158	.4	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	14 4.58	81.3	39	69	1.0	72	159	2.0	.	.	.	.	.	.	.	.
6 MARILEE;SWW	5 5.32	76.5	41	77	1.0	80	158	.9	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	10 4.93	77.8	37	73	1.3	73	157	.6	.	.	.	.	.	.	.	.
8 AC DEXTER;SWW	4 5.53	73.8	39	86	1.0	85	156	.0	.	.	.	.	.	.	.	.
10 AC MORLEY;HRW	11 4.91	81.1	38	78	1.0	90	157	.2	.	.	.	.	.	.	.	.
11 2737W;SWW	3 5.57	77.0	34	81	1.0	70	156	1.2	.	.	.	.	.	.	.	.
12 2510;SRW	12 4.80	80.7	37	81	1.0	71	157	5.0	.	.	.	.	.	.	.	.
13 25W33;SWW-a	2 5.62	77.6	34	70	1.0	63	158	.0	.	.	.	.	.	.	.	.
14 HANOVER;HRW	8 5.22	78.3	43	87	1.0	77	159	1.5	.	.	.	.	.	.	.	.
15 MENDON;SRW	6 5.29	77.2	42	74	1.5	79	156	.6	.	.	.	.	.	.	.	.
LOCATIONS		2	3	3	2	1	3	3	2	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:

1996: OTTAWA-1.

1997: THERE ARE NO YIELD DATA FOR AREA III IN 1997

1998: OTTAWA-1.

YEAR(S): 96-98  
 MGMT : NORMAL  
 AREA(S): 1- 3

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRs 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	13 4.94	73.9	37	84	.5	94	160	1.2	2.3	4.2	2.0	3.1	.	1.1	.0	198
2 KARENA;SWW	7 5.21	73.6	36	87	.9	99	161	1.1	1.8	3.7	2.5	2.6	.	.8	1.0	199
3 AC RON;SWW	6 5.24	72.8	35	89	1.1	98	160	1.4	2.2	4.2	1.5	4.6	.	1.2	2.0	199
4 OAC ARISS;SWW	7 5.21	75.4	33	89	1.2	91	161	1.3	3.0	3.9	1.5	2.6	.	.8	.0	198
5 FUNDULEA;HRW	12 5.01	77.1	34	83	.6	87	161	2.1	.5	4.7	2.0	2.7	.	.8	.0	198
6 MARILEE;SWW	10 5.17	72.4	39	82	.6	93	162	1.8	3.2	3.8	3.0	3.0	.	2.0	.0	200
7 FREEDOM;SRW	4 5.36	74.3	34	82	1.4	88	160	1.2	.7	4.0	1.5	2.4	.	.6	.0	199
8 AC DEXTER;SWW	11 5.05	70.4	37	90	2.0	98	159	.4	2.8	4.8	1.0	4.2	.	.9	4.0	198
10 AC MORLEY;HRW	9 5.18	77.8	36	86	1.7	105	160	.8	.3	3.9	1.5	1.7	.	.9	.0	198
11 2737W;SWW	3 5.39	72.6	33	88	.4	83	159	1.8	1.7	4.0	1.0	4.6	.	.8	1.0	198
12 2510;SRW	5 5.32	75.9	35	85	.2	82	160	5.9	1.0	3.6	2.0	4.4	.	.9	.0	199
13 25W33;SWW-a	2 5.43	73.0	31	80	.4	77	160	.4	1.1	3.9	1.0	2.9	.	1.0	3.0	199
14 HANOVER;HRW	14 4.84	72.6	38	88	.5	90	161	2.3	.6	4.4	2.5	5.0	.	.9	.0	199
15 MENDON;SRW	1 5.44	73.2	40	90	2.2	95	158	.7	2.3	4.5	2.0	3.3	.	.9	2.5	197
LOCATIONS		24	24	24	13	12	24	23	21	7	12	1	7	0	4	1 11

YIELD AVERAGES WERE BASED ON DATA FROM:

1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD, LONDON, CENTRALIA, WOODSTOCK, ELORA, OTTAWA-1.

1997: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON.

1998: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRAIT : YIELD (T/HA)  
 YEAR(S) : 97-98  
 AREA : 1 - 3

KEY NAME	AREA I (6)* MEAN	AREA II (8) MEAN	PROV. (15)** MEAN
1 HARUS;SWW	5.05	5.81	5.45
2 KARENA;SWW	5.23	6.19	5.76
3 AC RON;SWW	5.20	6.07	5.70
4 OAC ARISS;SWW	5.14	6.04	5.66
5 FUNDULEA;HRW	5.19	5.69	5.42
6 MARILEE;SWW	4.79	6.05	5.50
7 FREEDOM;SRW	5.31	6.13	5.71
8 AC DEXTER;SWW	5.00	5.95	5.56
10 AC MORLEY;HRW	4.87	5.97	5.48
11 2737W;SWW	5.65	6.10	5.85
12 2510;SRW	5.53	5.67	5.56
13 25W33;SWW-a	5.47	5.91	5.70
14 HANOVER;HRW	4.75	5.45	5.12
15 MENDON;SRW	5.49	6.17	5.87
16 OAC MONTROSE;HRW	4.81	5.41	5.07
17 PATRIOT;HRW	5.14	5.81	5.49
18 2540;SRW-a	5.97	6.23	6.11
19 25R57;SRW	5.58	6.29	5.92
20 HURON;SWW	5.30	5.97	5.67
21 ADELAIDE;SWW	5.13	6.01	5.62
22 SUPERIOR;SWW	5.15	6.29	5.79
OVERALL MEAN	5.23	5.96	5.62

TRAIT : YIELD INDEX  
 YEAR(S) : 97-98  
 AREA : 1 - 3

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (6)* MEAN	AREA II (8) MEAN	PROV. (15)** MEAN
1 HARUS;SWW	96.6	97.4	96.8
2 KARENA;SWW	98.9	103.9	102.0
3 AC RON;SWW	98.6	101.9	101.1
4 OAC ARISS;SWW	97.8	101.4	100.5
5 FUNDULEA;HRW	99.7	95.3	96.6
6 MARILEE;SWW	92.6	101.5	97.9
7 FREEDOM;SRW	101.7	102.9	101.6
8 AC DEXTER;SWW	95.5	99.8	98.7
10 AC MORLEY;HRW	93.1	100.1	97.2
11 2737W;SWW	108.8	102.4	104.5
12 2510;SRW	106.1	95.3	99.4
13 25W33;SWW-a	105.3	99.1	101.9
14 HANOVER;HRW	92.1	91.6	91.8
15 MENDON;SRW	104.7	103.2	104.3
16 OAC MONTROSE;HRW	92.4	90.8	90.5
17 PATRIOT;HRW	99.2	97.4	97.9
18 2540;SRW-a	114.1	104.7	109.1
19 25R57;SRW	106.6	105.4	105.3
20 HURON;SWW	101.3	100.2	100.8
21 ADELAIDE;SWW	97.4	100.4	99.6
22 SUPERIOR;SWW	97.4	105.4	102.4
OVERALL MEAN (T/HA)	5.23	5.96	5.62

\* # OF LOCATIONS  
 \*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD  
 YEAR(S): 97-98  
 AREA(S): 1- 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WE97N	RN97N	ID97N	NN97N	WK97N	EA97N	HN97N	WE98N	RN98N	ID98N
1 HARUS;SWW	92	103	89	89	95	94	100	105	95	96
2 KARENA;SWW	108	104	88	104	102	100	106	96	98	101
3 AC RON;SWW	109	101	95	99	105	100	96	93	99	94
4 OAC ARISS;SWW	109	96	102	105	100	110	101	96	92	93
5 FUNDULEA;HRW	102	93	109	99	101	99	89	100	101	93
6 MARILEE;SWW	76	106	100	105	110	103	105	87	92	94
7 FREEDOM;SRW	98	106	105	97	102	108	113	96	103	104
8 AC DEXTER;SWW	99	84	87	100	93	96	94	98	104	101
10 AC MORLEY;HRW	96	98	97	94	99	99	107	89	86	93
11 2737W;SWW	108	95	110	102	101	102	106	119	112	109
12 2510;SRW	108	100	111	105	104	98	107	109	106	103
13 25W33;SWW-a	93	115	111	101	104	92	100	103	109	100
14 HANOVER;HRW	80	87	104	100	88	90	96	93	96	92
15 MENDON;SRW	110	98	100	98	98	99	94	109	104	106
16 OAC MONTROSE;HRW	96	85	102	99	94	92	93	96	88	86
17 PATRIOT;HRW	82	108	95	93	90	100	94	103	105	104
18 2540;SRW-a	113	115	110	101	99	95	114	114	115	117
19 25R57;SRW	96	110	93	97	101	106	109	105	120	116
20 HURON;SWW	106	102	102	97	98	99	95	103	93	102
21 ADELAIDE;SWW	109	96	96	107	107	112	87	93	92	98
22 SUPERIOR;SWW	110	101	92	107	109	105	95	93	90	97
LOCATION MEAN	6.97	5.92	3.90	5.62	6.05	6.34	5.26	4.39	5.42	4.75

KEY NAME	NN98N	WK98N	EA98N	HN98N	O198N	MEAN*
1 HARUS;SWW	99	99	103	101	94	97
2 KARENA;SWW	104	111	104	101	106	102
3 AC RON;SWW	100	112	99	104	109	101
4 OAC ARISS;SWW	99	102	94	100	110	101
5 FUNDULEA;HRW	92	96	97	90	88	97
6 MARILEE;SWW	100	98	98	94	102	98
7 FREEDOM;SRW	99	105	101	98	90	102
8 AC DEXTER;SWW	103	106	103	102	110	99
10 AC MORLEY;HRW	95	97	105	104	99	97
11 2737W;SWW	102	103	99	103	97	105
12 2510;SRW	96	86	85	83	92	99
13 25W33;SWW-a	105	83	98	111	103	102
14 HANOVER;HRW	91	86	87	94	91	92
15 MENDON;SRW	109	109	112	107	111	104
16 OAC MONTROSE;HRW	87	87	91	83	76	90
17 PATRIOT;HRW	99	100	100	102	95	98
18 2540;SRW-a	112	98	105	114	115	109
19 25R57;SRW	104	107	113	107	97	105
20 HURON;SWW	102	108	98	105	103	101
21 ADELAIDE;SWW	96	99	103	92	106	100
22 SUPERIOR;SWW	107	109	105	107	108	102
LOCATION MEAN	6.25	5.74	6.73	5.70	5.24	5.62

\* AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S) : 97-98  
 MGMT : NORMAL  
 AREA : 1

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *	
	RK	T/HA																
1 HARUS;SWW	16	5.05	72.3	35	84	.7	100	153	1.5	1.6	3.0	.	1.3	.	1.1	.	190	
2 KARENA;SWW	9	5.23	74.3	36	100	.8	104	154	1.1	1.4	3.7	.	.7	.	.7	.	191	
3 AC RON;SWW	10	5.20	73.6	35	100	2.0	101	154	1.8	1.6	4.0	.	1.7	.	1.1	.	191	
4 OAC ARISS;SWW	13	5.14	75.3	32	100	1.6	94	155	1.8	3.0	3.3	.	1.0	.	.8	.	191	
5 FUNDULEA;HRW	11	5.19	78.7	35	99	.0	95	155	3.5	1.1	3.9	.	.6	.	.9	.	191	
6 MARILEE;SWW	20	4.79	73.0	39	100	1.1	96	156	2.8	2.7	2.4	.	1.0	.	1.9	.	192	
7 FREEDOM;SRW	7	5.31	74.2	33	93	1.9	92	152	2.5	.6	3.0	.	.7	.	.9	.	192	
8 AC DEXTER;SWW	17	5.00	71.5	37	100	2.3	102	153	.7	2.0	3.8	.	1.1	.	1.4	.	191	
10 AC MORLEY;HRW	18	4.87	77.6	35	99	2.5	112	154	1.2	.4	4.3	.	.1	.	1.4	.	192	
11 2737W;SWW	2	5.65	73.1	33	99	.8	89	152	3.0	1.8	2.8	.	1.2	.	.9	.	191	
12 2510;SRW	4	5.53	74.8	34	98	.1	88	154	6.7	1.3	3.3	.	2.2	.	1.2	.	192	
13 25W33;SWW-a	6	5.47	73.6	31	96	.3	83	153	1.0	1.0	3.7	.	2.2	.	1.4	.	191	
14 HANOVER;HRW	21	4.75	74.2	38	98	.0	93	154	3.3	.6	4.3	.	2.2	.	.8	.	192	
15 MENDON;SRW	5	5.49	72.8	38	100	3.2	102	151	1.3	1.4	4.2	.	1.2	.	1.2	.	190	
16 OAC MONTROSE;HRW	19	4.81	76.8	37	100	.0	101	150	3.0	1.1	4.3	.	.1	.	2.1	.	191	
17 PATRIOT;HRW	13	5.14	77.4	38	96	.1	94	152	1.9	.8	3.7	.	2.0	.	.9	.	191	
18 2540;SRW-a	1	5.97	75.6	35	96	1.6	87	153	.8	.5	3.9	.	1.8	.	.3	.	192	
19 25R57;SRW	3	5.58	73.2	35	100	1.7	92	151	.2	.9	3.0	.	1.0	.	.8	.	191	
20 HURON;SWW	8	5.30	74.4	36	100	1.5	103	155	.6	.5	3.5	.	2.0	.	1.5	.	192	
21 ADELAIDE;SWW	15	5.13	73.5	36	100	1.6	102	156	2.9	2.3	3.8	.	1.1	.	1.5	.	194	
22 SUPERIOR;SWW	12	5.15	73.2	36	100	1.6	96	155	1.5	1.6	3.4	.	1.0	.	1.5	.	193	
LOCATIONS			6	5	5	1	3	5	4	5	2	2	0	1	0	2	0	2

YIELD AVERAGES WERE BASED ON DATA FROM:  
 1997: WOODSLEE, RIDGETOWN, INWOOD.  
 1998: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S) : 97-98  
 MGMT : NORMAL  
 AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *	
	RK	T/HA																
1 HARUS;SWW	16	5.81	75.3	38	93	.1	93	159	2.1	2.3	3.9	2.0	.	.	.5	.0	195	
2 KARENA;SWW	4	6.19	74.5	38	96	.5	100	160	1.9	.8	3.5	2.5	.	.	.4	1.0	197	
3 AC RON;SWW	8	6.07	74.6	38	93	.3	97	160	2.2	1.3	3.7	1.5	.	.	.4	2.0	196	
4 OAC ARISS;SWW	10	6.04	76.3	35	99	.3	90	161	2.0	3.0	3.8	1.5	.	.	.6	.0	196	
5 FUNDULEA;HRW	18	5.69	77.8	35	97	.0	84	161	3.0	.5	4.6	2.0	.	.	.4	.0	196	
6 MARILEE;SWW	9	6.05	73.4	42	95	.1	93	162	2.4	4.0	4.1	3.0	.	.	1.3	.0	199	
7 FREEDOM;SRW	6	6.13	75.3	35	92	.8	87	160	1.4	1.8	3.9	1.5	.	.	.6	.0	197	
8 AC DEXTER;SWW	14	5.95	71.9	39	94	.7	96	159	.5	4.0	4.5	1.0	.	.	.8	4.0	196	
10 AC MORLEY;HRW	12	5.97	78.3	37	92	1.3	102	160	1.4	.8	3.6	1.5	.	.	.8	.0	196	
11 2737W;SWW	7	6.10	74.4	35	94	.0	82	159	2.4	2.3	4.0	1.0	.	.	1.2	1.0	195	
12 2510;SRW	19	5.67	76.7	36	93	.0	80	160	6.5	1.8	3.5	2.0	.	.	1.0	.0	196	
13 25W33;SWW-a	15	5.91	73.5	32	93	.0	75	159	.2	1.0	4.0	1.0	.	.	.5	3.0	196	
14 HANOVER;HRW	20	5.45	73.8	41	89	.0	88	162	3.0	1.0	4.0	2.5	.	.	.1	.0	197	
15 MENDON;SRW	5	6.17	73.8	41	96	1.0	92	158	.9	3.8	4.3	2.0	.	.	.9	2.5	194	
16 OAC MONTROSE;HRW	21	5.41	78.3	41	96	.0	92	158	2.4	1.5	4.8	3.0	.	.	1.2	.0	195	
17 PATRIOT;HRW	16	5.81	78.7	40	97	.2	88	158	1.3	2.8	5.0	2.5	.	.	.8	1.0	196	
18 2540;SRW-a	3	6.23	75.8	38	92	.0	78	158	.3	.3	3.8	1.5	.	.	.2	.0	196	
19 25R57;SRW	1	6.29	76.5	38	97	.0	83	158	.5	1.5	4.0	1.5	.	.	.3	.0	194	
20 HURON;SWW	12	5.97	76.5	39	95	.1	96	161	.8	.0	3.3	2.0	.	.	1.1	.5	198	
21 ADELAIDE;SWW	11	6.01	74.2	39	99	1.3	100	164	3.4	.5	3.7	2.5	.	.	.5	.0	199	
22 SUPERIOR;SWW	1	6.29	75.3	39	96	.0	93	161	1.3	2.3	3.5	2.0	.	.	.5	.0	198	
LOCATIONS			8	8	8	3	3	8	8	7	2	6	1	0	0	1	1	4

YIELD AVERAGES WERE BASED ON DATA FROM:  
 1997: NAIRN, ELORA, WOODSTOCK, HARRISTON.  
 1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.



## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR(S): 97-98  
 MGMT : NORMAL  
 AREA(S): 1- 3

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	18	5.45	74.6	37	91	.5	93	157	1.8	2.0	3.7	2.0	1.3	.	.9	.0	193
2 KARENA;SWW	6	5.76	74.9	37	93	.8	98	158	1.5	1.1	3.5	2.5	.7	.	.6	1.0	195
3 AC RON;SWW	8	5.70	74.6	37	94	1.1	96	157	2.0	1.5	3.8	1.5	1.7	.	.9	2.0	194
4 OAC ARISS;SWW	11	5.66	76.4	34	97	1.0	89	158	1.8	3.0	3.7	1.5	1.0	.	.7	.0	194
5 FUNDULEA;HRW	19	5.42	78.6	35	95	.1	85	158	3.1	.8	4.4	2.0	.6	.	.8	.0	195
6 MARILEE;SWW	15	5.50	73.8	41	94	.7	91	159	2.4	3.3	3.7	3.0	1.0	.	1.7	.0	196
7 FREEDOM;SRW	7	5.71	75.3	34	91	1.3	86	157	1.7	1.2	3.7	1.5	.7	.	.8	.0	195
8 AC DEXTER;SWW	13	5.56	72.1	38	95	1.4	96	157	.5	3.0	4.3	1.0	1.1	.	1.2	4.0	194
10 AC MORLEY;HRW	17	5.48	78.5	36	92	1.8	103	157	1.2	.6	3.8	1.5	.1	.	1.2	.0	194
11 2737W;SWW	4	5.85	74.3	34	94	.5	82	156	2.5	2.0	3.7	1.0	1.2	.	1.0	1.0	194
12 2510;SRW	13	5.56	76.6	35	93	.2	81	157	6.5	1.5	3.5	2.0	2.2	.	1.1	.0	195
13 25W33;SWW-a	8	5.70	74.1	32	90	.3	75	157	.5	1.0	3.9	1.0	2.2	.	1.1	3.0	194
14 HANOVER;HRW	20	5.12	74.5	40	91	.1	87	159	3.0	.8	4.0	2.5	2.2	.	.6	.0	195
15 MENDON;SRW	3	5.87	73.9	40	96	2.0	93	155	1.1	2.6	4.3	2.0	1.2	.	1.1	2.5	193
16 OAC MONTROSE;HRW	21	5.07	78.2	39	95	.1	92	155	2.7	1.3	4.6	3.0	.1	.	1.8	.0	194
17 PATRIOT;HRW	16	5.49	78.7	39	93	.2	87	156	1.4	1.8	4.7	2.5	2.0	.	.9	1.0	195
18 2540;SRW-a	1	6.11	76.2	37	90	.8	79	156	.4	.4	3.8	1.5	1.8	.	.3	.0	195
19 25R57;SRW	2	5.92	75.7	37	97	.9	84	155	.4	1.2	3.7	1.5	1.0	.	.6	.0	193
20 HURON;SWW	10	5.67	76.1	38	95	.9	96	158	.7	.3	3.3	2.0	2.0	.	1.4	.5	196
21 ADELAIDE;SWW	12	5.62	74.3	38	98	1.4	98	160	3.0	1.4	3.7	2.5	1.1	.	1.2	.0	197
22 SUPERIOR;SWW	5	5.79	74.9	38	96	.8	92	159	1.3	2.0	3.5	2.0	1.0	.	1.2	.0	196
LOCATIONS	15	15	15	5	7	15	14	13	4	8	1	1	0	3	1	6	

YIELD AVERAGES WERE BASED ON DATA FROM:

1997: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON.

1998: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRAIT : YIELD (T/HA)  
 YEAR : 98  
 AREA : 1 - 3\*\*\*

KEY NAME	AREA I (3)* MEAN	AREA II (4) MEAN	PROV. (8)** MEAN
1 HARUS;SWW	4.77	6.14	5.47
2 KARENA;SWW	4.77	6.39	5.68
3 AC RON;SWW	4.64	6.31	5.61
4 OAC ARISS;SWW	4.53	6.01	5.42
5 FUNDULEA;HRW	4.77	5.72	5.23
6 MARILEE;SWW	4.43	5.95	5.30
7 FREEDOM;SRW	4.90	6.16	5.51
8 AC DEXTER;SWW	4.92	6.32	5.73
9 AC CARTIER;SWW	4.47	5.69	5.25
10 AC MORLEY;HRW	4.33	6.14	5.34
11 2737W;SWW	5.49	6.22	5.80
12 2510;SRW	5.15	5.34	5.21
13 25W33;SWW-a	5.06	6.05	5.60
14 HANOVER;HRW	4.56	5.45	5.03
15 MENDON;SRW	5.17	6.67	6.00
16 OAC MONTROSE;HRW	4.37	5.32	4.80
17 PATRIOT;HRW	5.03	6.13	5.57
18 2540;SRW-a	5.60	6.55	6.13
19 25R57;SRW	5.54	6.58	6.00
20 HURON;SWW	4.80	6.29	5.62
21 ADELAIDE;SWW	4.58	5.96	5.39
22 SUPERIOR;SWW	4.53	6.52	5.67
23 25R26;SRW-a	5.77	6.20	5.91
24 25W60;SWW-a	5.89	6.74	6.26
25 AC MACKINNON;SWW	5.05	6.72	5.99
26 AC MOUNTAIN;SWW	5.49	6.73	6.18
27 AC ESSEX;SWW	5.28	6.30	5.89
28 AC ZORRO;HRW	3.12	4.99	4.25
29 AC DELTA;HRW	2.97	4.66	4.03
30 S93:1;HRW-a	3.36	4.76	4.30
31 MWH95:069531;SRW	4.78	5.72	5.18
32 LJH95:0189;SRW	5.10	5.52	5.19
33 ASHLAND;SRW	5.03	5.83	5.37
OVERALL MEAN	4.79	6.00	5.45

\* # OF LOCATIONS  
 \*\* AVERAGE ACROSS LOCATIONS  
 \*\*\* REFER TO OTTAWA DATA ON PAGE 83 FOR AREA III RESULTS.

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRAIT : YIELD INDEX  
 YEAR : 98  
 AREA : 1 - 3\*\*\*

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (3)* MEAN	AREA II (4) MEAN	PROV. (8)** MEAN
1 HARUS;SWW	99.9	102.2	100.3
2 KARENA;SWW	99.4	106.5	103.8
3 AC RON;SWW	96.7	105.2	102.6
4 OAC ARISS;SWW	94.6	100.3	99.4
5 FUNDULEA;HRW	99.4	95.2	96.0
6 MARILEE;SWW	92.3	98.9	96.8
7 FREEDOM;SRW	102.0	102.5	100.9
8 AC DEXTER;SWW	102.4	105.3	104.8
9 AC CARTIER;SWW	93.4	95.1	96.5
10 AC MORLEY;HRW	90.4	102.1	97.3
11 2737W;SWW	114.7	103.6	106.9
12 2510;SRW	107.5	88.9	96.3
13 25W33;SWW-a	105.2	100.7	102.8
14 HANOVER;HRW	95.0	90.9	92.5
15 MENDON;SRW	108.0	110.9	109.9
16 OAC MONTROSE;HRW	91.4	88.4	88.0
17 PATRIOT;HRW	104.8	102.0	102.3
18 2540;SRW-a	116.9	109.1	112.7
19 25R57;SRW	114.9	109.4	109.9
20 HURON;SWW	100.6	104.9	103.1
21 ADELAIDE;SWW	95.7	99.1	98.7
22 SUPERIOR;SWW	94.7	108.6	103.4
23 25R26;SRW-a	120.4	103.6	109.2
24 25W60;SWW-a	122.1	112.2	114.9
25 AC MACKINNON;SWW	105.5	112.3	110.0
26 AC MOUNTAIN;SWW	114.8	112.1	113.6
27 AC ESSEX;SWW	110.1	105.0	108.4
28 AC ZORRO;HRW	65.7	83.1	77.4
29 AC DELTA;HRW	62.0	77.5	73.2
30 S93:1;HRW-a	69.8	79.4	78.4
31 MWH95:069531;SRW	98.8	95.4	95.0
32 LJH95:0189;SRW	106.4	92.1	96.0
33 ASHLAND;SRW	104.5	97.2	98.8
OVERALL MEAN (T/HA)	4.79	6.00	5.45

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

\*\*\* REFER TO OTTAWA DATA ON PAGE 83 FOR AREA III RESULTS.

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD  
 YEAR : 98  
 AREA(S): 1- 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WE98N	RN98N	ID98N	NN98N	WK98N	EA98N	HN98N	O198N	MEAN*
1 HARUS;SWW	107	96	96	101	99	107	103	94	100
2 KARENA;SWW	98	99	102	106	111	107	102	106	104
3 AC RON;SWW	95	100	95	102	112	102	105	110	103
4 OAC ARISS;SWW	98	93	93	101	102	97	101	110	99
5 FUNDULEA;HRW	102	102	94	94	96	100	91	89	96
6 MARILEE;SWW	88	94	95	102	98	101	95	102	97
7 FREEDOM;SRW	98	104	104	101	105	104	100	91	101
8 AC DEXTER;SWW	100	105	102	106	106	106	103	110	105
9 AC CARTIER;SWW	95	90	95	92	103	87	98	112	97
10 AC MORLEY;HRW	91	87	94	97	97	109	105	99	97
11 2737W;SWW	121	113	110	104	103	103	104	97	107
12 2510;SRW	111	108	104	98	86	88	84	92	96
13 25W33;SWW-a	105	111	100	107	83	101	112	104	103
14 HANOVER;HRW	95	97	93	93	86	90	95	91	92
15 MENDON;SRW	111	105	107	111	109	116	108	111	110
16 OAC MONTROSE;HRW	98	90	87	89	87	94	84	76	88
17 PATRIOT;HRW	105	106	104	101	100	103	104	95	102
18 2540;SRW-a	116	116	118	114	98	108	116	115	113
19 25R57;SRW	107	122	116	106	107	116	108	97	110
20 HURON;SWW	105	94	103	104	108	102	107	104	103
21 ADELAIDE;SWW	95	93	99	98	99	107	93	106	99
22 SUPERIOR;SWW	95	91	97	109	109	108	108	108	103
23 25R26;SRW-a	123	123	115	106	105	96	108	98	109
24 25W60;SWW-a	116	132	118	113	111	116	108	104	115
25 AC MACKINNON;SWW	107	100	110	108	119	102	121	114	110
26 AC MOUNTAIN;SWW	121	112	111	110	117	113	109	116	114
27 AC ESSEX;SWW	109	108	113	102	107	107	104	117	108
28 AC ZORRO;HRW	70	55	72	80	83	87	82	90	77
29 AC DELTA;HRW	60	58	68	74	72	84	80	89	73
30 S93:1;HRW-a	60	70	79	77	80	79	82	100	78
31 MWH95:069531;SRW	86	108	102	95	100	89	98	82	95
32 LJH95:0189;SRW	111	107	101	94	99	86	90	80	96
33 ASHLAND;SRW	102	110	101	104	102	90	93	88	99
LOCATION MEAN	4.31	5.36	4.72	6.12	5.74	6.53	5.63	5.22	5.45

\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR : 98  
 MGMT : NORMAL  
 AREA : 1

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *	
1 HARUS;SWW	19 4.77	74.4	33	.	.0	92	145	1.6	1.6	.	.	.	.	1.1	.	180	
2 KARENA;SWW	19 4.77	74.3	35	.	.0	96	145	1.2	1.4	.	.	.	.	.7	.	181	
3 AC RON;SWW	22 4.64	73.5	33	.	.0	93	145	1.2	1.6	.	.	.	.	1.1	.	181	
4 OAC ARISS;SWW	25 4.53	75.5	30	.	.0	85	147	1.6	3.0	.	.	.	.	.8	.	181	
5 FUNDULEA;HRW	19 4.77	79.4	35	.	.0	87	146	3.7	1.1	.	.	.	.	.9	.	181	
6 MARILEE;SWW	28 4.43	73.5	37	.	.0	90	148	2.8	2.7	.	.	.	.	1.9	.	183	
7 FREEDOM;SRW	16 4.90	74.8	33	.	.1	84	143	2.4	.6	.	.	.	.	.9	.	181	
8 AC DEXTER;SWW	15 4.92	72.2	36	.	.3	92	145	.8	2.0	.	.	.	.	1.4	.	183	
9 AC CARTIER;SWW	27 4.47	74.2	36	.	.0	91	147	1.8	1.5	.	.	.	.	1.5	.	182	
10 AC MORLEY;HRW	30 4.33	77.9	33	.	.5	103	145	.8	.4	.	.	.	.	1.4	.	181	
11 2737W;SWW	5 5.49	73.8	33	.	.0	83	142	3.1	1.8	.	.	.	.	.9	.	180	
12 2510;SRW	9 5.15	77.2	31	.	.0	83	144	7.6	1.3	.	.	.	.	1.2	.	181	
13 25W33;SWW-a	11 5.06	74.1	30	.	.0	77	142	1.0	1.0	.	.	.	.	1.4	.	181	
14 HANOVER;HRW	24 4.56	76.3	36	.	.0	87	145	4.3	.6	.	.	.	.	.8	.	182	
15 MENDON;SRW	8 5.17	73.2	37	.	.8	93	140	.9	1.4	.	.	.	.	1.2	.	179	
16 OAC MONTROSE;HRW	29 4.37	77.9	36	.	.0	93	140	3.2	1.1	.	.	.	.	2.1	.	180	
17 PATRIOT;HRW	13 5.03	78.9	37	.	.1	88	141	1.3	.8	.	.	.	.	.9	.	180	
18 2540;SRW-a	3 5.60	75.5	34	.	.1	81	143	.7	.5	.	.	.	.	.3	.	180	
19 25R57;SRW	4 5.54	75.6	34	.	.0	85	140	.3	.9	.	.	.	.	.8	.	179	
20 HURON;SWW	17 4.80	75.7	34	.	.0	95	147	.8	.5	.	.	.	.	1.5	.	182	
21 ADELAIDE;SWW	23 4.58	74.0	33	.	.0	93	148	2.6	2.3	.	.	.	.	1.5	.	185	
22 SUPERIOR;SWW	25 4.53	74.0	33	.	.0	87	147	1.3	1.6	.	.	.	.	.8	.	181	
23 25R26;SRW-a	2 5.77	74.9	34	.	.0	77	143	.3	1.3	.	.	.	.	.8	.	180	
24 25W60;SWW-a	1 5.89	75.2	34	.	.4	88	140	.7	.6	.	.	.	.	1.0	.	180	
25 AC MACKINNON;SWW	12 5.05	74.8	34	.	.0	90	143	.6	3.5	.	.	.	.	.9	.	181	
26 AC MOUNTAIN;SWW	5 5.49	73.9	35	.	.3	96	145	2.3	2.8	.	.	.	.	.9	.	181	
27 AC ESSEX;SWW	7 5.28	74.3	36	.	.3	92	144	2.1	1.6	.	.	.	.	3.3	.	186	
28 AC ZORRO;HRW	32 3.12	76.9	36	.	.0	98	149	4.0	1.1	.	.	.	.	3.1	.	188	
29 AC DELTA;HRW	33 2.97	76.3	34	.	.0	102	151	3.0	1.9	.	.	.	.	2.2	.	185	
30 S93:1;HRW-a	31 3.36	75.0	30	.	.0	90	150	4.1	1.4	.	.	.	.	1.2	.	180	
31 MWH95:069531;SRW	18 4.78	76.9	32	.	.0	85	140	1.8	1.0	.	.	.	.	1.3	.	180	
32 LJH95:0189;SRW	10 5.10	80.2	32	.	.3	89	140	2.0	1.9	.	.	.	.	1.3	.	180	
33 ASHLAND;SRW	13 5.03	74.4	32	.	.3	85	141	3.4	.9	.	.	.	.	1.3	.	180	
LOCATIONS		3	3	3	0	2	3	2	3	2	0	0	0	0	2	0	1

YIELD AVERAGES WERE BASED ON DATA FROM: WOODSLEE, RIDGETOWN, INWOOD.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR : 98  
 MGMT : NORMAL  
 AREA : 2

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *	
1 HARUS;SWW	16	6.14	74.3	37	.	.2	95	148	2.7	2.5	4.3	.	.	.	.5	185	
2 KARENA;SWW	8	6.39	74.4	38	.	.3	101	149	2.4	1.5	3.3	.	.	.	.4	187	
3 AC RON;SWW	10	6.31	73.8	37	.	.0	102	149	2.6	2.5	3.3	.	.	.	.4	187	
4 OAC ARISS;SWW	20	6.01	75.3	34	.	.0	90	150	2.6	2.5	3.0	.	.	.	.6	187	
5 FUNDULEA;HRW	24	5.72	78.1	37	.	.0	86	149	4.0	1.0	4.8	.	.	.	.4	186	
6 MARILEE;SWW	22	5.95	73.4	42	.	.0	96	152	2.8	3.5	4.0	.	.	.	1.3	191	
7 FREEDOM;SRW	15	6.16	74.9	33	.	1.1	89	147	1.9	2.5	4.5	.	.	.	.6	186	
8 AC DEXTER;SWW	9	6.32	71.7	41	.	.3	98	148	.8	2.5	4.3	.	.	.	.8	186	
9 AC CARTIER;SWW	26	5.69	74.9	40	.	.0	101	151	2.6	2.0	3.5	.	.	.	.2	188	
10 AC MORLEY;HRW	16	6.14	78.0	37	.	1.4	104	149	2.0	1.5	3.5	.	.	.	.8	186	
11 2737W;SWW	13	6.22	74.0	35	.	.0	82	146	2.8	1.5	4.3	.	.	.	1.2	185	
12 2510;SRW	29	5.34	76.6	34	.	.0	80	147	6.2	1.5	4.0	.	.	.	1.0	185	
13 25W33;SWW-a	19	6.05	73.1	31	.	.0	76	147	.2	.5	4.0	.	.	.	.5	184	
14 HANOVER;HRW	28	5.45	74.4	40	.	.0	89	150	3.3	1.5	4.3	.	.	.	.1	187	
15 MENDON;SRW	4	6.67	72.8	40	.	.9	93	145	.9	3.5	4.8	.	.	.	.9	184	
16 OAC MONTROSE;HRW	30	5.32	77.8	40	.	.0	93	146	3.3	1.0	5.0	.	.	.	1.2	185	
17 PATRIOT;HRW	18	6.13	79.2	40	.	.3	89	146	2.0	2.0	5.8	.	.	.	.8	186	
18 2540;SRW-a	6	6.55	74.9	36	.	.0	78	145	.4	.0	4.0	.	.	.	.2	186	
19 25R57;SRW	5	6.58	76.0	37	.	.0	84	145	.6	1.5	4.0	.	.	.	.3	184	
20 HURON;SWW	12	6.29	75.6	38	.	.0	97	150	.8	.0	2.8	.	.	.	1.1	189	
21 ADELAIDE;SWW	21	5.96	74.7	38	.	.6	102	153	3.5	1.0	4.0	.	.	.	.5	190	
22 SUPERIOR;SWW	7	6.52	74.4	38	.	.0	95	150	1.8	1.0	3.5	.	.	.	.5	189	
23 25R26;SRW-a	14	6.20	74.6	35	.	.2	74	147	.8	.5	4.3	.	.	.	.3	185	
24 25W60;SWW-a	1	6.74	75.6	36	.	.3	84	145	.3	1.0	4.0	.	.	.	.2	184	
25 AC MACKINNON;SWW	3	6.72	71.7	39	.	.3	96	148	.6	4.5	3.8	.	.	.	.7	187	
26 AC MOUNTAIN;SWW	2	6.73	74.6	38	.	.2	98	148	2.1	2.5	4.3	.	.	.	.5	186	
27 AC ESSEX;SWW	11	6.30	74.4	39	.	.5	94	147	2.1	3.0	4.5	.	.	.	.8	186	
28 AC ZORRO;HRW	31	4.99	78.0	43	.	.3	110	151	3.6	.0	4.0	.	.	.	.2	186	
29 AC DELTA;HRW	33	4.66	77.4	41	.	.5	109	157	3.0	2.0	3.8	.	.	.	.5	193	
30 S93:1;HRW-a	32	4.76	76.9	32	.	.3	102	154	4.3	.5	4.0	.	.	.	.6	190	
31 MWH95:069531;SRW	24	5.72	77.1	32	.	.8	84	145	2.0	1.0	4.3	.	.	.	.6	183	
32 LJH95:0189;SRW	27	5.52	79.8	33	.	.9	87	146	2.1	1.5	4.5	.	.	.	.8	185	
33 ASHLAND;SRW	23	5.83	74.2	34	.	.6	83	144	3.8	.0	6.0	.	.	.	.8	185	
LOCATIONS		4	4	4	0	2	4	4	4	1	2	0	0	0	1	0	2

YIELD AVERAGES WERE BASED ON DATA FROM: NAIRN, ELORA, WOODSTOCK, HARRISTON.

\* DAYS FROM JAN.1  
 A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

YEAR : 98  
 MGMT : NORMAL  
 AREA(S): 1- 3

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	18	5.47	74.7	35	.	.3	91	146	2.2	1.9	4.3	.	.	.	.9	.183
2 KARENA;SWW	11	5.68	74.7	37	.	.4	97	147	1.9	1.4	3.3	.	.	.	.6	.185
3 AC RON;SWW	14	5.61	74.2	36	.	.2	95	147	2.0	1.9	3.3	.	.	.	.9	.185
4 OAC ARISS;SWW	19	5.42	75.8	32	.	.2	86	148	2.2	2.8	3.0	.	.	.	.7	.185
5 FUNDULEA;HRW	25	5.23	78.8	36	.	.2	84	148	3.9	1.1	4.8	.	.	.	.8	.184
6 MARILEE;SWW	23	5.30	73.8	40	.	.2	90	149	2.8	2.9	4.0	.	.	.	1.7	.188
7 FREEDOM;SRW	17	5.51	75.2	33	.	.8	84	145	2.1	1.3	4.5	.	.	.	.8	.184
8 AC DEXTER;SWW	10	5.73	72.2	39	.	.4	93	146	.8	2.2	4.3	.	.	.	1.2	.185
9 AC CARTIER;SWW	24	5.25	75.0	39	.	.2	94	149	2.2	1.7	3.5	.	.	.	1.1	.186
10 AC MORLEY;HRW	22	5.34	78.3	35	.	1.0	101	147	1.4	.8	3.5	.	.	.	1.2	.184
11 2737W;SWW	9	5.80	74.3	34	.	.2	80	144	2.9	1.7	4.3	.	.	.	1.0	.183
12 2510;SRW	26	5.21	77.2	33	.	.2	79	146	6.8	1.3	4.0	.	.	.	1.1	.184
13 25W33;SWW-a	15	5.60	74.0	31	.	.2	75	145	.5	.8	4.0	.	.	.	1.1	.183
14 HANOVER;HRW	29	5.03	75.5	39	.	.2	86	147	3.7	.9	4.3	.	.	.	.6	.185
15 MENDON;SRW	4	6.00	73.5	39	.	1.0	90	143	.9	2.1	4.8	.	.	.	1.1	.182
16 OAC MONTROSE;HRW	30	4.80	78.1	38	.	.2	91	144	3.2	1.1	5.0	.	.	.	1.8	.183
17 PATRIOT;HRW	16	5.57	79.4	39	.	.3	87	144	1.7	1.2	5.8	.	.	.	.9	.184
18 2540;SRW-a	3	6.13	75.5	35	.	.2	77	144	.5	.3	4.0	.	.	.	.3	.184
19 25R57;SRW	4	6.00	76.0	36	.	.2	82	143	.5	1.1	4.0	.	.	.	.6	.182
20 HURON;SWW	13	5.62	76.0	37	.	.3	93	148	.8	.3	2.8	.	.	.	1.4	.186
21 ADELAIDE;SWW	20	5.39	74.6	36	.	.5	96	151	3.1	1.8	4.0	.	.	.	1.2	.188
22 SUPERIOR;SWW	12	5.67	74.6	36	.	.2	90	148	1.5	1.4	3.5	.	.	.	1.2	.187
23 25R26;SRW-a	7	5.91	75.2	35	.	.3	73	145	.6	1.0	4.3	.	.	.	.6	.184
24 25W60;SWW-a	1	6.26	75.8	35	.	.5	83	143	.5	.8	4.0	.	.	.	.6	.183
25 AC MACKINNON;SWW	6	5.99	73.7	37	.	.3	91	146	.6	3.8	3.8	.	.	.	.9	.184
26 AC MOUNTAIN;SWW	2	6.18	74.8	37	.	.4	94	146	2.2	2.7	4.3	.	.	.	.7	.184
27 AC ESSEX;SWW	8	5.89	74.8	38	.	.6	91	146	2.1	2.1	4.5	.	.	.	.8	.184
28 AC ZORRO;HRW	32	4.25	77.9	40	.	.4	103	150	3.8	.8	4.0	.	.	.	2.3	.186
29 AC DELTA;HRW	33	4.03	77.5	38	.	.5	104	154	3.0	1.9	3.8	.	.	.	2.2	.191
30 S93:1;HRW-a	31	4.30	76.6	32	.	.5	95	152	4.2	1.1	4.0	.	.	.	1.7	.188
31 MWH95:069531;SRW	28	5.18	77.4	32	.	.6	82	143	1.9	1.0	4.3	.	.	.	1.0	.182
32 LJH95:0189;SRW	27	5.19	80.2	32	.	.7	85	143	2.0	1.8	4.5	.	.	.	1.1	.183
33 ASHLAND;SRW	21	5.37	74.7	34	.	.6	82	143	3.6	.6	6.0	.	.	.	1.1	.183
LOCATIONS	8	8	8	0	5	8	7	7	3	2	0	0	0	3	0	3

YIELD AVERAGES WERE BASED ON DATA FROM: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

TRIAL DETAILS (GRAIN YIELD)

AREA	LOCATION	MEAN (g m <sup>-2</sup> )	REPS	ERROR SS	ERROR DF	ERROR MS	C.V.%
1	WOODSLEE	430*	4	150240	96	1565	9.2%
1	RIDGETOWN	536	4	131328	96	1368	6.9%
1	INWOOD	472	6	136960	160	856	6.2%
2	NAIRN	612	4	79392	96	827	4.7%
2	WOODSTOCK	574	4	187720	95	1976	7.8%
2	ELORA	653	3	195678	63	3106	8.5%
2	HARRISTON	563	4	73056	96	761	4.9%
3	OTTAWA	522	4	68064	96	709	5.1%

\* 100 g m<sup>-2</sup> = 1 t/ha = 893 lbs/acre



## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - WOODSLEE  
MANAGEMENT - NORMAL

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	10	4.60	75.0	33	.	94	143	1.8	2.3	.	.	.	.	.	.	.
2 KARENA;SWW	19	4.20	75.0	32	.	97	143	.5	1.8	.	.	.	.	.	.	.
3 AC RON;SWW	23	4.10	75.0	33	.	97	143	.5	2.3	.	.	.	.	.	.	.
4 OAC ARISS;SWW	19	4.20	77.0	32	.	88	145	.8	3.0	.	.	.	.	.	.	.
5 FUNDULEA;HRW	16	4.40	81.0	35	.	89	144	4.0	2.3	.	.	.	.	.	.	.
6 MARILEE;SWW	29	3.80	75.0	37	.	90	147	1.5	3.3	.	.	.	.	.	.	.
7 FREEDOM;SRW	19	4.20	76.0	33	.	86	142	3.3	1.3	.	.	.	.	.	.	.
8 AC DEXTER;SWW	18	4.30	74.0	37	.	91	143	.5	3.0	.	.	.	.	.	.	.
9 AC CARTIER;SWW	23	4.10	76.0	36	.	95	145	1.3	1.0	.	.	.	.	.	.	.
10 AC MORLEY;HRW	28	3.90	79.0	34	.	102	143	.3	.8	.	.	.	.	.	.	.
11 2737W;SWW	2	5.20	75.0	33	.	85	141	3.3	3.5	.	.	.	.	.	.	.
12 2510;SRW	6	4.80	79.0	32	.	82	143	8.8	1.5	.	.	.	.	.	.	.
13 25W33;SWW-a	13	4.50	75.0	33	.	79	142	1.0	2.0	.	.	.	.	.	.	.
14 HANOVER;HRW	23	4.10	78.0	36	.	88	143	4.8	1.3	.	.	.	.	.	.	.
15 MENDON;SRW	6	4.80	73.0	35	.	99	139	.8	1.8	.	.	.	.	.	.	.
16 OAC MONTROSE;HRW	19	4.20	78.0	35	.	98	138	4.5	1.3	.	.	.	.	.	.	.
17 PATRIOT;HRW	13	4.50	79.0	35	.	89	140	.0	1.5	.	.	.	.	.	.	.
18 2540;SRW-a	4	5.00	76.0	33	.	85	143	.0	1.0	.	.	.	.	.	.	.
19 25R57;SRW	10	4.60	76.0	33	.	88	139	.0	.8	.	.	.	.	.	.	.
20 HURON;SWW	13	4.50	78.0	34	.	94	145	.5	1.0	.	.	.	.	.	.	.
21 ADELAIDE;SWW	23	4.10	76.0	34	.	97	147	2.8	3.5	.	.	.	.	.	.	.
22 SUPERIOR;SWW	23	4.10	76.0	34	.	90	145	.8	3.3	.	.	.	.	.	.	.
23 25R26;SRW-a	1	5.30	75.0	33	.	86	143	.0	2.5	.	.	.	.	.	.	.
24 25W60;SWW-a	4	5.00	76.0	34	.	93	139	.0	1.3	.	.	.	.	.	.	.
25 AC MACKINNON;SWW	10	4.60	76.0	34	.	89	141	.8	5.0	.	.	.	.	.	.	.
26 AC MOUNTAIN;SWW	2	5.20	75.0	35	.	98	143	3.0	3.5	.	.	.	.	.	.	.
27 AC ESSEX;SWW	9	4.70	76.0	35	.	96	142	1.3	2.3	.	.	.	.	.	.	.
28 AC ZORRO;HRW	31	3.00	79.0	38	.	99	148	4.0	1.3	.	.	.	.	.	.	.
29 AC DELTA;HRW	32	2.60	77.0	35	.	102	149	4.0	2.8	.	.	.	.	.	.	.
30 S93:1;HRW-a	32	2.60	76.0	34	.	91	150	4.3	2.8	.	.	.	.	.	.	.
31 MWH95:069531;SRW	30	3.70	77.0	34	.	84	139	1.3	1.0	.	.	.	.	.	.	.
32 LJH95:0189;SRW	6	4.80	82.0	33	.	94	138	1.0	2.8	.	.	.	.	.	.	.
33 ASHLAND;SRW	16	4.40	75.0	31	.	86	140	2.3	1.8	.	.	.	.	.	.	.
MEANS		4.31	76.5	34	.	92	143	1.9	2.1	.	.	.	.	.	.	.

\* DAYS FROM JAN. 1  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - RIDGETOWN  
 MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	22	5.17	74.0	33	.	.0	98	146	1.0	1.0	.	.	.	.	1.3	.	180
2 KARENA;SWW	20	5.30	73.5	35	.	.0	102	146	1.0	1.0	.	.	.	.	1.9	.	181
3 AC RON;SWW	18	5.35	72.4	32	.	.0	97	147	1.0	1.0	.	.	.	.	1.2	.	181
4 OAC ARISS;SWW	25	4.98	74.9	28	.	.0	89	148	1.0	3.0	.	.	.	.	.6	.	181
5 FUNDULEA;HRW	17	5.48	78.2	33	.	.0	92	147	3.0	.0	.	.	.	.	.9	.	181
6 MARILEE;SWW	24	5.01	72.5	37	.	.0	94	148	2.0	2.0	.	.	.	.	2.2	.	183
7 FREEDOM;SRW	16	5.58	73.5	32	.	.0	92	143	1.0	.0	.	.	.	.	1.2	.	181
8 AC DEXTER;SWW	14	5.64	71.8	35	.	.0	100	146	1.0	1.0	.	.	.	.	1.2	.	183
9 AC CARTIER;SWW	28	4.80	74.8	35	.	.0	96	148	1.0	2.0	.	.	.	.	1.5	.	182
10 AC MORLEY;HRW	30	4.65	77.2	33	.	.2	106	147	1.0	.0	.	.	.	.	1.2	.	181
11 2737W;SWW	5	6.07	73.3	34	.	.0	85	142	1.0	.0	.	.	.	.	1.2	.	180
12 2510;SRW	11	5.76	75.2	31	.	.0	87	145	7.0	1.0	.	.	.	.	1.9	.	181
13 25W33;SWW-a	7	5.93	73.7	29	.	.0	81	142	1.0	.0	.	.	.	.	1.2	.	181
14 HANOVER;HRW	21	5.19	75.6	36	.	.0	94	146	3.0	.0	.	.	.	.	.6	.	182
15 MENDON;SRW	14	5.64	73.4	38	.	.5	97	141	1.0	1.0	.	.	.	.	1.9	.	179
16 OAC MONTROSE;HRW	28	4.80	78.0	36	.	.0	99	142	2.0	1.0	.	.	.	.	2.2	.	180
17 PATRIOT;HRW	13	5.67	78.2	39	.	.0	92	142	1.0	.0	.	.	.	.	.9	.	180
18 2540;SRW-a	4	6.24	75.4	34	.	.0	83	142	1.0	.0	.	.	.	.	.2	.	180
19 25R57;SRW	3	6.52	75.3	34	.	.0	89	141	1.0	1.0	.	.	.	.	.6	.	179
20 HURON;SWW	23	5.05	74.7	33	.	.0	100	148	1.0	.0	.	.	.	.	2.6	.	182
21 ADELAIDE;SWW	25	4.98	72.7	34	.	.0	93	149	2.0	1.0	.	.	.	.	1.5	.	185
22 SUPERIOR;SWW	27	4.90	73.0	29	.	.0	90	148	1.0	.0	.	.	.	.	2.5	.	185
23 25R26;SRW-a	2	6.60	74.2	33	.	.0	82	142	1.0	.0	.	.	.	.	.6	.	181
24 25W60;SWW-a	1	7.09	75.2	35	.	.0	91	141	1.0	.0	.	.	.	.	1.0	.	180
25 AC MACKINNON;SWW	18	5.35	73.8	33	.	.0	96	144	1.0	2.0	.	.	.	.	1.6	.	180
26 AC MOUNTAIN;SWW	6	6.02	72.9	36	.	.0	98	146	1.0	2.0	.	.	.	.	1.2	.	181
27 AC ESSEX;SWW	10	5.79	73.5	36	.	.0	94	146	1.0	1.0	.	.	.	.	3.2	.	186
28 AC ZORRO;HRW	33	2.96	75.5	35	.	.0	102	150	3.0	1.0	.	.	.	.	3.2	.	188
29 AC DELTA;HRW	32	3.10	76.1	32	.	.0	107	153	2.0	1.0	.	.	.	.	2.9	.	185
30 S93:1;HRW-a	31	3.77	73.3	29	.	.0	93	149	2.0	.0	.	.	.	.	.9	.	180
31 MWH95:069531;SRW	9	5.80	76.8	31	.	.0	89	141	2.0	1.0	.	.	.	.	1.6	.	180
32 LJH95:0189;SRW	12	5.71	78.9	32	.	.0	94	142	2.0	1.0	.	.	.	.	1.6	.	180
33 ASHLAND;SRW	8	5.91	73.8	34	.	.0	92	142	2.0	.0	.	.	.	.	1.6	.	180
MEANS		5.36	74.7	33	.	.0	94	145	1.6	.8	.	.	.	.	1.5	.	182

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - INWOOD  
MANAGEMENT - NORMAL

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	22	4.55	74.3	32	.	.0	85	.	2.0	.	.	.	.	.	1.0	.
2 KARENA;SWW	16	4.80	74.4	37	.	.0	90	.	2.0	.	.	.	.	.	.5	.
3 AC RON;SWW	25	4.48	73.1	33	.	.0	85	.	2.0	.	.	.	.	.	1.0	.
4 OAC ARISS;SWW	28	4.40	74.7	30	.	.0	78	.	3.0	.	.	.	.	.	1.0	.
5 FUNDULEA;HRW	26	4.43	78.9	36	.	.0	80	.	4.0	.	.	.	.	.	1.0	.
6 MARILEE;SWW	24	4.49	73.0	36	.	.0	85	.	5.0	.	.	.	.	.	1.5	.
7 FREEDOM;SRW	10	4.93	75.0	33	.	.2	75	.	3.0	.	.	.	.	.	.5	.
8 AC DEXTER;SWW	15	4.82	70.9	36	.	.5	86	.	1.0	.	.	.	.	.	1.5	.
9 AC CARTIER;SWW	23	4.50	71.8	38	.	.0	82	.	3.0	.	.	.	.	.	1.5	.
10 AC MORLEY;HRW	26	4.43	77.6	33	.	.8	100	.	1.0	.	.	.	.	.	1.5	.
11 2737W;SWW	7	5.19	73.2	31	.	.0	80	.	5.0	.	.	.	.	.	.5	.
12 2510;SRW	12	4.89	77.5	31	.	.0	79	.	7.0	.	.	.	.	.	.5	.
13 25W33;SWW-a	19	4.74	73.5	29	.	.0	72	.	1.0	.	.	.	.	.	1.5	.
14 HANOVER;HRW	29	4.38	75.2	37	.	.0	80	.	5.0	.	.	.	.	.	1.0	.
15 MENDON;SRW	9	5.06	73.1	37	.	1.0	82	.	1.0	.	.	.	.	.	.5	.
16 OAC MONTROSE;HRW	30	4.11	77.6	36	.	.0	82	.	3.0	.	.	.	.	.	2.0	.
17 PATRIOT;HRW	11	4.92	79.4	37	.	.2	84	.	3.0	.	.	.	.	.	1.0	.
18 2540;SRW-a	1	5.57	75.2	36	.	.2	75	.	1.0	.	.	.	.	.	.5	.
19 25R57;SRW	3	5.49	75.6	36	.	.0	77	.	.0	.	.	.	.	.	1.0	.
20 HURON;SWW	13	4.86	74.3	35	.	.0	90	.	1.0	.	.	.	.	.	.5	.
21 ADELAIDE;SWW	20	4.67	73.3	32	.	.0	90	.	3.0	.	.	.	.	.	1.5	.
22 SUPERIOR;SWW	21	4.60	72.9	35	.	.0	81	.	2.0	.	.	.	.	.	.5	.
23 25R26;SRW-a	4	5.42	75.6	35	.	.0	64	.	.0	.	.	.	.	.	1.0	.
24 25W60;SWW-a	1	5.57	74.4	34	.	.8	79	.	1.0	.	.	.	.	.	.5	.
25 AC MACKINNON;SWW	7	5.19	74.6	36	.	.0	85	.	.0	.	.	.	.	.	.5	.
26 AC MOUNTAIN;SWW	6	5.25	73.9	35	.	.5	91	.	3.0	.	.	.	.	.	.5	.
27 AC ESSEX;SWW	5	5.34	73.4	38	.	.5	85	.	4.0	.	.	.	.	.	.5	.
28 AC ZORRO;HRW	32	3.41	76.3	34	.	.0	94	.	5.0	.	.	.	.	.	3.5	.
29 AC DELTA;HRW	33	3.20	75.9	34	.	.0	98	.	3.0	.	.	.	.	.	3.0	.
30 S93:1;HRW-a	31	3.72	75.8	28	.	.0	85	.	6.0	.	.	.	.	.	1.5	.
31 MWH95:069531;SRW	14	4.83	77.0	31	.	.0	81	.	2.0	.	.	.	.	.	1.0	.
32 LJH95:0189;SRW	17	4.78	79.6	30	.	.5	79	.	3.0	.	.	.	.	.	1.0	.
33 ASHLAND;SRW	18	4.77	74.5	32	.	.5	78	.	6.0	.	.	.	.	.	1.0	.
MEANS		4.72	75.0	34	.	.2	83	.	2.8	.	.	.	.	.	1.1	.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - NAIRN  
 MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	20	6.16	76.7	37	.	.0	99	142	2.5	2.5	4.5	.	.	.	.5	.	184
2 KARENA;SWW	8	6.47	75.8	40	.	.0	105	143	1.5	1.5	3.5	.	.	.	.4	.	185
3 AC RON;SWW	16	6.26	76.1	38	.	.0	106	144	1.0	2.5	3.5	.	.	.	.4	.	186
4 OAC ARISS;SWW	18	6.20	76.3	32	.	.0	91	144	3.0	2.5	3.0	.	.	.	.6	.	186
5 FUNDULEA;HRW	27	5.75	80.7	35	.	.0	90	143	5.5	1.0	5.5	.	.	.	.4	.	184
6 MARILEE;SWW	17	6.24	74.0	43	.	.0	104	144	2.5	3.5	4.5	.	.	.	1.3	.	189
7 FREEDOM;SRW	20	6.16	76.6	35	.	.5	93	140	1.5	2.5	5.5	.	.	.	.6	.	184
8 AC DEXTER;SWW	11	6.46	74.1	45	.	.0	100	142	1.0	2.5	5.5	.	.	.	.8	.	184
9 AC CARTIER;SWW	29	5.64	76.8	42	.	.0	105	144	2.5	2.0	4.0	.	.	.	.2	.	187
10 AC MORLEY;HRW	24	5.95	79.5	34	.	1.5	112	143	1.5	1.5	4.5	.	.	.	.8	.	184
11 2737W;SWW	12	6.39	76.4	37	.	.0	87	140	2.5	1.5	4.5	.	.	.	1.2	.	183
12 2510;SRW	22	6.01	78.0	35	.	.0	84	140	6.0	1.5	4.0	.	.	.	1.0	.	183
13 25W33;SWW-a	7	6.53	76.1	30	.	.0	84	140	.0	.5	5.0	.	.	.	.5	.	183
14 HANOVER;HRW	28	5.66	77.2	44	.	.0	94	143	4.0	1.5	4.0	.	.	.	.1	.	185
15 MENDON;SRW	3	6.81	76.9	42	.	.0	98	139	1.5	3.5	6.5	.	.	.	.9	.	183
16 OAC MONTROSE;HRW	30	5.45	79.6	40	.	.0	97	139	3.5	1.0	6.0	.	.	.	1.2	.	183
17 PATRIOT;HRW	19	6.19	80.0	41	.	.0	96	139	1.5	2.0	6.0	.	.	.	.8	.	185
18 2540;SRW-a	1	6.98	78.3	37	.	.0	81	138	.0	.0	6.0	.	.	.	.2	.	184
19 25R57;SRW	8	6.47	78.6	36	.	.0	85	139	.0	1.5	5.0	.	.	.	.3	.	182
20 HURON;SWW	14	6.34	78.0	38	.	.0	99	144	.0	.0	3.0	.	.	.	1.1	.	186
21 ADELAIDE;SWW	22	6.01	74.2	38	.	.0	110	146	2.5	1.0	4.5	.	.	.	.5	.	187
22 SUPERIOR;SWW	5	6.68	75.6	39	.	.0	100	144	1.0	1.0	3.5	.	.	.	.5	.	187
23 25R26;SRW-a	8	6.47	77.4	34	.	.0	77	140	1.5	.5	6.0	.	.	.	.3	.	184
24 25W60;SWW-a	2	6.91	78.0	37	.	.0	90	138	.0	1.0	5.0	.	.	.	.2	.	184
25 AC MACKINNON;SWW	6	6.59	76.8	40	.	.0	98	142	.0	4.5	5.5	.	.	.	.7	.	186
26 AC MOUNTAIN;SWW	4	6.73	76.5	40	.	.0	104	142	1.0	2.5	5.5	.	.	.	.5	.	186
27 AC ESSEX;SWW	15	6.27	76.1	41	.	.0	99	142	1.5	3.0	5.5	.	.	.	.8	.	185
28 AC ZORRO;HRW	31	4.87	77.9	38	.	.0	118	145	3.0	.0	5.0	.	.	.	.2	.	185
29 AC DELTA;HRW	33	4.54	78.6	40	.	.0	114	149	1.5	2.0	4.0	.	.	.	.5	.	190
30 S93:1;HRW-a	32	4.72	76.8	32	.	.0	106	148	4.0	.5	4.0	.	.	.	.6	.	188
31 MWH95:069531;SRW	25	5.84	79.1	32	.	.0	90	139	2.0	1.0	5.5	.	.	.	.6	.	182
32 LJH95:0189;SRW	26	5.76	81.4	31	.	.0	85	139	1.0	1.5	5.5	.	.	.	.8	.	183
33 ASHLAND;SRW	13	6.36	76.4	37	.	.0	86	138	4.0	.0	7.0	.	.	.	.8	.	183
MEANS		6.12	77.3	37	.	.1	97	142	2.0	1.6	4.9	.	.	.	.6	.	185

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - WOODSTOCK  
 MANAGEMENT - NORMAL

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
1 HARUS;SWW	20	5.68	71.1	33	.	.3	91	149	1.8	.	.	.	.	.	.	.
2 KARENA;SWW	5	6.38	74.8	36	.	.5	98	149	2.0	.	.	.	.	.	.	.
3 AC RON;SWW	3	6.41	73.0	34	.	.0	101	149	1.8	.	.	.	.	.	.	.
4 OAC ARISS;SWW	17	5.83	74.8	30	.	.0	90	151	.8	.	.	.	.	.	.	.
5 FUNDULEA;HRW	26	5.52	76.1	36	.	.0	85	150	2.3	.	.	.	.	.	.	.
6 MARILEE;SWW	24	5.62	73.0	40	.	.0	88	151	1.3	.	.	.	.	.	.	.
7 FREEDOM;SRW	12	6.05	76.1	28	.	1.8	88	148	.3	.	.	.	.	.	.	.
8 AC DEXTER;SWW	11	6.09	71.7	39	.	.5	93	148	.0	.	.	.	.	.	.	.
9 AC CARTIER;SWW	15	5.91	74.8	38	.	.0	98	150	1.3	.	.	.	.	.	.	.
10 AC MORLEY;HRW	25	5.56	77.3	33	.	1.3	101	150	1.0	.	.	.	.	.	.	.
11 2737W;SWW	14	5.92	76.1	32	.	.0	80	147	.8	.	.	.	.	.	.	.
12 2510;SRW	29	4.92	77.3	30	.	.0	79	148	4.5	.	.	.	.	.	.	.
13 25W33;SWW-a	30	4.78	73.0	29	.	.0	69	148	.3	.	.	.	.	.	.	.
14 HANOVER;HRW	28	4.96	74.8	35	.	.0	84	151	1.8	.	.	.	.	.	.	.
15 MENDON;SRW	7	6.23	72.3	35	.	1.8	93	146	.0	.	.	.	.	.	.	.
16 OAC MONTROSE;HRW	27	4.97	78.6	38	.	.0	92	147	2.3	.	.	.	.	.	.	.
17 PATRIOT;HRW	18	5.75	81.1	35	.	.5	85	147	1.5	.	.	.	.	.	.	.
18 2540;SRW-a	23	5.63	74.8	32	.	.0	75	146	.5	.	.	.	.	.	.	.
19 25R57;SRW	9	6.16	77.3	33	.	.0	81	145	.3	.	.	.	.	.	.	.
20 HURON;SWW	8	6.18	74.8	36	.	.0	93	150	.0	.	.	.	.	.	.	.
21 ADELAIDE;SWW	22	5.66	74.8	37	.	1.3	93	152	2.3	.	.	.	.	.	.	.
22 SUPERIOR;SWW	6	6.26	73.6	34	.	.0	90	150	1.3	.	.	.	.	.	.	.
23 25R26;SRW-a	13	6.01	73.6	33	.	.3	74	149	.3	.	.	.	.	.	.	.
24 25W60;SWW-a	4	6.39	77.3	33	.	.5	82	146	.3	.	.	.	.	.	.	.
25 AC MACKINNON;SWW	1	6.84	76.1	37	.	.5	96	147	.3	.	.	.	.	.	.	.
26 AC MOUNTAIN;SWW	2	6.70	76.1	36	.	.3	98	148	.3	.	.	.	.	.	.	.
27 AC ESSEX;SWW	10	6.14	76.1	38	.	1.0	94	148	1.0	.	.	.	.	.	.	.
28 AC ZORRO;HRW	31	4.77	78.6	43	.	.5	105	151	3.5	.	.	.	.	.	.	.
29 AC DELTA;HRW	33	4.13	76.1	38	.	1.0	103	154	3.7	.	.	.	.	.	.	.
30 S93:1;HRW-a	32	4.57	77.3	29	.	.5	99	152	3.0	.	.	.	.	.	.	.
31 MWH95:069531;SRW	18	5.75	78.6	30	.	1.5	85	144	2.0	.	.	.	.	.	.	.
32 LJH95:0189;SRW	20	5.68	81.1	30	.	1.8	89	146	1.5	.	.	.	.	.	.	.
33 ASHLAND;SRW	16	5.84	76.1	31	.	1.3	83	144	2.3	.	.	.	.	.	.	.
MEANS		5.74	75.7	34	.	.5	89	148	1.4	.	.	.	.	.	.	.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - ELORA  
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	9	6.96	73.0	39	.	.	98	150	2.3	.	.	.	.	.	.	.	.
2 KARENA;SWW	8	6.99	71.7	36	.	.	107	151	2.7	.	.	.	.	.	.	.	.
3 AC RON;SWW	16	6.64	72.3	36	.	.	103	151	3.7	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	22	6.32	74.2	37	.	.	90	151	3.0	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	21	6.50	77.0	36	.	.	92	151	3.3	.	.	.	.	.	.	.	.
6 MARILEE;SWW	20	6.57	72.3	41	.	.	97	153	3.0	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	13	6.81	72.3	35	.	.	93	149	2.3	.	.	.	.	.	.	.	.
8 AC DEXTER;SWW	12	6.95	68.6	35	.	.	103	150	.7	.	.	.	.	.	.	.	.
9 AC CARTIER;SWW	30	5.67	72.3	37	.	.	100	152	3.0	.	.	.	.	.	.	.	.
10 AC MORLEY;HRW	5	7.10	77.3	39	.	.	108	151	2.3	.	.	.	.	.	.	.	.
11 2737W;SWW	15	6.70	69.9	34	.	.	85	149	3.3	.	.	.	.	.	.	.	.
12 2510;SRW	28	5.72	74.2	34	.	.	83	150	6.3	.	.	.	.	.	.	.	.
13 25W33;SWW-a	19	6.59	71.7	31	.	.	80	149	.0	.	.	.	.	.	.	.	.
14 HANOVER;HRW	25	5.85	72.3	38	.	.	95	151	1.7	.	.	.	.	.	.	.	.
15 MENDON;SRW	3	7.55	72.3	39	.	.	100	148	1.3	.	.	.	.	.	.	.	.
16 OAC MONTROSE;HRW	24	6.14	77.3	41	.	.	100	148	2.7	.	.	.	.	.	.	.	.
17 PATRIOT;HRW	14	6.72	78.0	41	.	.	97	148	2.0	.	.	.	.	.	.	.	.
18 2540;SRW-a	6	7.06	72.4	38	.	.	80	148	.0	.	.	.	.	.	.	.	.
19 25R57;SRW	1	7.60	74.2	41	.	.	88	147	.7	.	.	.	.	.	.	.	.
20 HURON;SWW	18	6.63	74.2	38	.	.	105	152	1.3	.	.	.	.	.	.	.	.
21 ADELAIDE;SWW	9	6.96	73.0	37	.	.	110	154	3.7	.	.	.	.	.	.	.	.
22 SUPERIOR;SWW	6	7.06	74.2	39	.	.	102	152	1.7	.	.	.	.	.	.	.	.
23 25R26;SRW-a	23	6.27	73.0	37	.	.	75	149	.3	.	.	.	.	.	.	.	.
24 25W60;SWW-a	2	7.57	74.2	38	.	.	87	148	.0	.	.	.	.	.	.	.	.
25 AC MACKINNON;SWW	16	6.64	72.3	37	.	.	103	153	1.0	.	.	.	.	.	.	.	.
26 AC MOUNTAIN;SWW	4	7.39	72.3	39	.	.	100	150	2.7	.	.	.	.	.	.	.	.
27 AC ESSEX;SWW	9	6.96	72.3	36	.	.	95	149	2.0	.	.	.	.	.	.	.	.
28 AC ZORRO;HRW	29	5.70	78.6	45	.	.	115	152	3.0	.	.	.	.	.	.	.	.
29 AC DELTA;HRW	32	5.49	77.3	42	.	.	115	161	3.0	.	.	.	.	.	.	.	.
30 S93:1;HRW-a	33	5.18	76.1	33	.	.	103	153	4.0	.	.	.	.	.	.	.	.
31 MWH95:069531;SRW	27	5.78	74.8	33	.	.	83	150	1.0	.	.	.	.	.	.	.	.
32 LJH95:0189;SRW	31	5.59	78.6	35	.	.	93	148	2.3	.	.	.	.	.	.	.	.
33 ASHLAND;SRW	25	5.85	71.7	34	.	.	85	147	4.3	.	.	.	.	.	.	.	.
MEANS		6.53	73.8	37	.	.	96	150	2.3	.	.	.	.	.	.	.	.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - HARRISTON  
 MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA															
1 HARUS;SWW	17	5.77	76.2	40	.	.	91	150	4.0	.	4.0	.	.	.	.	.	186
2 KARENA;SWW	18	5.74	75.2	40	.	.	95	152	3.5	.	3.0	.	.	.	.	.	188
3 AC RON;SWW	12	5.92	73.8	41	.	.	98	152	4.0	.	3.0	.	.	.	.	.	187
4 OAC ARISS;SWW	19	5.70	76.0	35	.	.	87	155	3.5	.	3.0	.	.	.	.	.	187
5 FUNDULEA;HRW	27	5.12	78.6	40	.	.	78	153	5.0	.	4.0	.	.	.	.	.	188
6 MARILEE;SWW	23	5.35	74.2	42	.	.	94	158	4.5	.	3.5	.	.	.	.	.	192
7 FREEDOM;SRW	20	5.61	74.6	34	.	.	80	151	3.5	.	3.5	.	.	.	.	.	187
8 AC DEXTER;SWW	16	5.80	72.4	44	.	.	94	151	1.5	.	3.0	.	.	.	.	.	188
9 AC CARTIER;SWW	21	5.53	75.6	42	.	.	101	156	3.5	.	3.0	.	.	.	.	.	189
10 AC MORLEY;HRW	11	5.93	77.8	40	.	.	96	151	3.0	.	2.5	.	.	.	.	.	187
11 2737W;SWW	13	5.86	73.6	37	.	.	75	149	4.5	.	4.0	.	.	.	.	.	186
12 2510;SRW	29	4.73	77.0	36	.	.	74	151	8.0	.	4.0	.	.	.	.	.	187
13 25W33;SWW-a	3	6.30	71.6	34	.	.	71	150	.5	.	3.0	.	.	.	.	.	185
14 HANOVER;HRW	24	5.34	73.4	42	.	.	81	153	5.5	.	4.5	.	.	.	.	.	188
15 MENDON;SRW	7	6.08	69.8	42	.	.	82	148	1.0	.	3.0	.	.	.	.	.	184
16 OAC MONTROSE;HRW	30	4.72	75.8	42	.	.	84	149	4.5	.	4.0	.	.	.	.	.	186
17 PATRIOT;HRW	14	5.84	77.6	42	.	.	79	149	3.0	.	5.5	.	.	.	.	.	186
18 2540;SRW-a	2	6.52	74.0	37	.	.	75	149	1.0	.	2.0	.	.	.	.	.	188
19 25R57;SRW	6	6.09	73.8	38	.	.	81	149	1.5	.	3.0	.	.	.	.	.	185
20 HURON;SWW	10	6.00	75.2	41	.	.	90	153	2.0	.	2.5	.	.	.	.	.	191
21 ADELAIDE;SWW	26	5.22	76.8	40	.	.	95	161	5.5	.	3.5	.	.	.	.	.	193
22 SUPERIOR;SWW	7	6.08	74.4	39	.	.	89	155	3.0	.	3.5	.	.	.	.	.	190
23 25R26;SRW-a	9	6.07	74.2	36	.	.	68	150	1.0	.	2.5	.	.	.	.	.	186
24 25W60;SWW-a	5	6.10	72.8	36	.	.	75	149	1.0	.	3.0	.	.	.	.	.	184
25 AC MACKINNON;SWW	1	6.79	61.6	40	.	.	86	151	1.0	.	2.0	.	.	.	.	.	187
26 AC MOUNTAIN;SWW	4	6.11	73.4	38	.	.	91	150	4.5	.	3.0	.	.	.	.	.	186
27 AC ESSEX;SWW	14	5.84	73.0	39	.	.	88	150	4.0	.	3.5	.	.	.	.	.	187
28 AC ZORRO;HRW	31	4.64	76.8	45	.	.	101	157	5.0	.	3.0	.	.	.	.	.	187
29 AC DELTA;HRW	33	4.49	77.6	43	.	.	102	163	4.0	.	3.5	.	.	.	.	.	196
30 S93:1;HRW-a	32	4.59	77.4	34	.	.	98	161	6.0	.	4.0	.	.	.	.	.	192
31 MWH95:069531;SRW	22	5.49	75.8	33	.	.	79	148	3.0	.	3.0	.	.	.	.	.	184
32 LJH95:0189;SRW	28	5.04	78.0	34	.	.	81	149	3.5	.	3.5	.	.	.	.	.	186
33 ASHLAND;SRW	25	5.26	72.6	35	.	.	78	148	4.5	.	5.0	.	.	.	.	.	187
MEANS		5.63	74.6	39	.	.	86	152	3.4	.	3.4	.	.	.	.	.	188

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

LOCATION - OTTAWA-1  
 MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 HARUS;SWW	23	4.91	77.1	36	.	1.0	73	143	.	.	.	.	.	.	.	.	.
2 KARENA;SWW	12	5.54	77.5	37	.	1.3	80	144	.	.	.	.	.	.	.	.	.
3 AC RON;SWW	9	5.73	77.6	37	.	1.0	75	143	.	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	7	5.75	78.4	33	.	1.0	71	145	.	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	29	4.63	80.2	38	.	1.0	68	145	.	.	.	.	.	.	.	.	.
6 MARILEE;SWW	16	5.32	76.5	41	.	1.0	71	145	.	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	26	4.74	77.6	34	.	1.3	65	142	.	.	.	.	.	.	.	.	.
8 AC DEXTER;SWW	7	5.75	74.4	40	.	1.0	77	143	.	.	.	.	.	.	.	.	.
9 AC CARTIER;SWW	5	5.82	78.3	41	.	1.0	78	145	.	.	.	.	.	.	.	.	.
10 AC MORLEY;HRW	18	5.17	81.0	37	.	1.0	80	144	.	.	.	.	.	.	.	.	.
11 2737W;SWW	20	5.06	76.6	33	.	1.0	66	142	.	.	.	.	.	.	.	.	.
12 2510;SRW	24	4.81	79.3	36	.	1.0	65	143	.	.	.	.	.	.	.	.	.
13 25W33;SWW-a	14	5.41	77.1	35	.	1.0	61	143	.	.	.	.	.	.	.	.	.
14 HANOVER;HRW	25	4.77	77.7	45	.	1.0	70	145	.	.	.	.	.	.	.	.	.
15 MENDON;SRW	6	5.81	77.1	42	.	1.5	70	141	.	.	.	.	.	.	.	.	.
16 OAC MONTROSE;HRW	33	3.97	79.8	38	.	1.0	72	143	.	.	.	.	.	.	.	.	.
17 PATRIOT;HRW	22	4.98	81.7	38	.	1.0	73	142	.	.	.	.	.	.	.	.	.
18 2540;SRW-a	3	6.00	78.3	35	.	1.0	65	142	.	.	.	.	.	.	.	.	.
19 25R57;SRW	20	5.06	77.5	35	.	1.0	65	141	.	.	.	.	.	.	.	.	.
20 HURON;SWW	15	5.40	78.9	37	.	1.5	74	145	.	.	.	.	.	.	.	.	.
21 ADELAIDE;SWW	11	5.55	76.2	38	.	1.0	79	145	.	.	.	.	.	.	.	.	.
22 SUPERIOR;SWW	10	5.65	76.8	37	.	1.0	76	145	.	.	.	.	.	.	.	.	.
23 25R26;SRW-a	19	5.13	78.6	35	.	1.0	57	143	.	.	.	.	.	.	.	.	.
24 25W60;SWW-a	13	5.42	78.1	36	.	1.0	66	141	.	.	.	.	.	.	.	.	.
25 AC MACKINNON;SWW	4	5.96	78.5	38	.	1.0	75	142	.	.	.	.	.	.	.	.	.
26 AC MOUNTAIN;SWW	2	6.04	78.3	40	.	1.0	74	143	.	.	.	.	.	.	.	.	.
27 AC ESSEX;SWW	1	6.12	78.2	40	.	1.3	75	142	.	.	.	.	.	.	.	.	.
28 AC ZORRO;HRW	27	4.69	80.4	45	.	1.5	86	147	.	.	.	.	.	.	.	.	.
29 AC DELTA;HRW	28	4.66	81.1	42	.	1.5	89	149	.	.	.	.	.	.	.	.	.
30 S93:1;HRW-a	17	5.21	80.0	35	.	1.8	84	148	.	.	.	.	.	.	.	.	.
31 MWH95:069531;SRW	31	4.27	79.9	32	.	1.3	65	142	.	.	.	.	.	.	.	.	.
32 LJH95:0189;SRW	32	4.19	82.3	33	.	1.0	64	142	.	.	.	.	.	.	.	.	.
33 ASHLAND;SRW	30	4.60	77.2	36	.	1.0	67	141	.	.	.	.	.	.	.	.	.
MEANS		5.22	78.4	37	.	1.1	72	144	.	.	.	.	.	.	.	.	.

\* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS



## ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1998

## SPROUTING RATINGS AND FUSARIUM INDICES

KEY NAME	SPROUTING *	FUSARIUM**		RATING
		INDEX 97-98	INDEX 1998	
1 HARUS;SWW	MS-S	52	59	S
2 KARENA;SWW	S-VS	57	66	S
3 AC RON;SWW	S-VS	55	65	S
4 OAC ARISS;SWW	S	46	62	S
5 FUNDULEA;HRW	T	42	44	S
6 MARILEE;SWW	S-VS	49	56	S
7 FREEDOM;SRW	T	35	37	S
8 AC DEXTER;SWW	VS	52	56	S
9 AC CARTIER;SWW	S	44	62	S
10 AC MORLEY;HRW	T	31	28	S
11 2737W;SWW	VS	44	39	S
12 2510;SRW	T	51	53	S
13 25W33;SWW-a	MS-S	43	45	S
14 HANOVER;HRW	T	57	59	S
15 MENDON;SRW	MS	43	37	S
16 OAC MONTROSE;HRW	T	.	28	S
17 PATRIOT;HRW	T	47	43	S
18 2540;SRW-a	T	35	40	S
19 25R57;SRW	T	55	44	S
20 HURON;SWW	S	43	41	S
21 ADELAIDE;SWW	MS-S	48	62	S
22 SUPERIOR;SWW	S	47	55	S
23 25R26;SRW-a	T	.	37	S
24 25W60;SWW-a	S	.	50	S
25 AC MACKINNON;SWW	S	.	49	S
26 AC MOUNTAIN;SWW	S-VS	.	55	S
27 AC ESSEX;SWW	S-VS	.	58	S
28 AC ZORRO;HRW	T	.	51	S
29 AC DELTA;HRW	T	.	46	S
30 S93:1;HRW-a	S	.	53	S
31 MWH95:069531;SRW	T	.	51	S
32 LJH95:0189;SRW	T	.	48	S
33 ASHLAND;SRW	MS	.	40	S

\* T= TOLERANT, MS= MODERATELY SUSCEPTIBLE, S=SUSCEPTIBLE, VS= VERY SUSCEPTIBLE. SPROUTING SUSCEPTIBILITY DETERMINED IN MISTED TRIALS AT OTTAWA.

\*\* FUSARIUM : INDEX = (% OF HEADS INFECTED x % DAMAGE TO INFECTED HEADS)/100. INDEX DETERMINED IN INOCULATED TRIALS (I.E. UNDER SEVERE PRESSURE) AT OTTAWA AND RIDGETOWN IN 1997 AND 1998.  
RATING: S = SUSCEPTIBLE

## ONTARIO PERFORMANCE TRIALS; SPRING WHEAT 1998

## INDEX

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## LEGEND

YLD	- YIELD (T/HA; 1 T/HA = 14.87 BU/AC)
TSTW	- TEST WEIGHT (KG/HL)
KW	- KERNEL WEIGHT (MG)
LOG	- LODGING
HGT	- HEIGHT (CM)
HDT	- HEADING DATE (DAYS FROM PLANTING)
MIL	- MILDEW
LRS	- LEAF RUST
SEP	- SEPTORIA
GLB	- GLUME BLOTCH
HBL	- HEAD BLIGHT
SSM	- SPINDLE STREAK MOSAIC VIRUS
BYD	- BARLEY YELLOW DWARF VIRUS
MAT	- MATURITY (DAYS FROM PLANTING)

## WHEAT CLASS ABBREVIATION

HRS	- HARD RED SPRING
-a	- awned

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## LOCATIONS ABBREVIATIONS

BH	BATH
EA	ELORA
EO	EMO
HN	HARRISTON
KE	KEMPTVILLE
LL	LISTOWEL
NL	NEW LISKEARD
NN	NAIRN
O1	OTTAWA-1
WP	WINTHROP

## ONTARIO PERFORMANCE TRIALS; SPRING WHEAT 1998

DESCRIPTION OF VARIETIES/LINES TESTED

Variety Name;class type: experimental designation - pedigree - breeder,institute - sponsor, distributor - date, number and type of registration.

- \*Celtic;HRS-a: Agripro - Hyland Seeds, W.G.Thompson & Sons Ltd.  
- 04/1993, 3758, Regional Registration for Nfld,PEI,NS,NB,ON,PQ.
- \*Pacific;HRS: BW90 - RL4302/RL4356//RL4359/RL4353 - Agriculture & Agri-Food Canada  
Winnipeg, Manitoba - Univ.of Guelph/C&M Seeds - 11/1994, 4008,  
Regional Registration for Nfld,PEI,NS,NB,ON.
- Grandin;HRS-a: BW166, ND626 - Len//Butte\*2/ND507/3/ND593  
North Dakota State University - SeCan - 03/1995,I-130  
Interim Regional Registration for Nfld,PEI,NS,NB,ON,PQ.
- Quantum;HRS-a: CM93609 - line BWS-01/line WBF16-3-2 - Pflanzenzucht,  
Oberlimpurg, GDR - C&M Seeds - 03/1996,I-194,Interim Regional  
Registration for Nfld,PEI,NS,NB,ON,PQ.
- \*Roblin;HRS: BW92 - Cambell,Agriculture & Agri-Food Canada, Winnipeg,MB - SeCan  
05/86, 2669, Full Registration for Canada
- \*AC Domain;HRS: BW148 - Townley-Smith,Agriculture & Agri-Food Canada, Winnipeg,MB  
- SeCan - 12/93,3858, Full Registration for Canada
- \*AC Barrie;HRS: BW661 - Depauw,Agriculture & Agri-Food Canada, Swift Current,SK  
SeCan - 08/94 3980, Full Registration for Canada
- AC Walton;HRS: AW197 - H.Nass,Agriculture & Agri-Food Canada, Charlottetown,PEI  
- SeCan - 1176, Interim Registration for Nfld,PEI,NS,NB,ON,PQ.
- AC Brio;HRS: QW547:31 - Columbus/S68147//Laval19/Columbus - Dubuc, Agriculture  
& Agri-Food Canada, Ste.Foy, PQ - C & M Seeds - 12/96,4427 -  
Regional Registration for Nfld,PEI,NS,NB,ON,PQ.
- McKenzie;HRS: SWP924:017 - Columbus/Amidon (DH anther) - Saskatchewan Wheat  
Pool - Hyland Seeds, W.G.Thompson & Sons Ltd. - 10/97, 4638,  
Full Registration for Canada.
- AC Taho;HRS: CM:RL4719 - BW121/Roblin - Agriculture & Agri-Food Can., Winnipeg, MB -  
C&M Seeds - 07/1998, 4792,
- AC Cora;HRS: Depauw, Agriculture & Agri-Food Canada, Swift Current,SK -  
SeCan - 12/94, 4021, Full Registration for Canada.
- AC Drummond;HRS-a: QW534.14 - Bluesky,Laval,Mondor,Casavant,Messier,QW1.32  
composite - J.C.Dubuc, Agriculture & Agri-Food Canada,  
Ste.Foy, PQ - Semican, Plessisville PQ - 3/97, 4591,  
Regional registration for Nfld,PEI,NS,NB,ON,PQ.

\* Good samples of these varieties have been 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 further details.

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 ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT  
 MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

YEARS : 93-98

KEY NAME	AREA II (18)*	AREA III (11)	AREA V (8)	PROV. (37)**
1 CELTIC;HRS-a	98.4	94.2	97.7	97.0
2 PACIFIC;HRS	101.6	105.8	102.3	103.0
OVERALL MEAN(T/HA)	3.17	3.64	3.65	3.41

YEARS : 95-98

KEY NAME	AREA II (12)*	AREA III (8)	AREA V (4)	PROV. (24)**
1 CELTIC;HRS-a	97.6	88.8	97.3	94.7
2 PACIFIC;HRS	99.9	105.4	97.5	101.3
3 GRANDIN;HRS-a	102.4	105.8	105.1	104.0
OVERALL MEAN(T/HA)	3.26	3.60	3.63	3.43

YEARS : 96-98

KEY NAME	AREA II (9)*	AREA III (6)	AREA V (2)	PROV. (17)**
1 CELTIC;HRS-a	99.6	83.9	107.1	94.9
2 PACIFIC;HRS	100.5	106.9	102.8	103.0
3 GRANDIN;HRS-a	103.9	100.2	114.0	103.8
4 QUANTUM;HRS-a	121.9	109.6	102.4	115.3
5 ROBLIN;HRS	98.2	83.1	100.9	93.2
6 AC DOMAIN;HRS	94.0	90.4	96.8	93.1
7 AC BARRIE;HRS	90.7	99.3	88.3	93.5
8 AC WALTON;HRS	94.6	117.3	83.8	101.3
9 AC BRIO;HRS	96.6	109.2	104.0	102.0
OVERALL MEAN(T/HA)	3.18	3.42	3.46	3.30

YEARS : 97-98

KEY NAME	AREA II (6)*	AREA III (4)	AREA V (2)	PROV. (12)**
1 CELTIC;HRS-a	101.3	86.0	105.8	97.0
2 PACIFIC;HRS	99.2	106.3	101.5	101.9
3 GRANDIN;HRS-a	104.0	95.7	112.5	102.7
4 QUANTUM;HRS-a	124.3	108.9	101.1	115.3
5 ROBLIN;HRS	98.5	77.0	99.7	91.5
6 AC DOMAIN;HRS	95.2	87.0	95.6	92.5
7 AC BARRIE;HRS	89.2	102.2	87.2	93.2
8 AC WALTON;HRS	100.0	122.2	82.8	104.6
9 AC BRIO;HRS	93.3	107.5	102.7	99.6
10 MCKENZIE;HRS	95.0	103.6	107.1	99.9
11 AC TAHO;HRS	100.0	103.7	104.0	101.9
OVERALL MEAN(T/HA)	2.80	3.08	3.51	3.01

YEAR : 1998

KEY NAME	AREA II (3)*	AREA III (2)	AREA V (1)	PROV. (6)**
1 CELTIC;HRS-a	103.5	79.3	100.5	94.9
2 PACIFIC;HRS	99.7	110.7	101.2	103.7
3 GRANDIN;HRS-a	105.0	86.3	108.4	99.3
4 QUANTUM;HRS-a	133.3	108.1	97.9	119.0
5 ROBLIN;HRS	106.9	64.5	97.2	91.2
6 AC DOMAIN;HRS	98.9	83.7	90.0	92.3
7 AC BARRIE;HRS	83.8	99.7	91.7	90.4
8 AC WALTON;HRS	90.9	123.3	94.6	102.3
9 AC BRIO;HRS	91.1	106.1	106.5	98.7
10 MCKENZIE;HRS	99.0	105.6	105.3	102.3
11 AC TAHO;HRS	103.6	104.2	105.1	104.0
12 AC CORA;HRS	85.1	110.0	99.8	95.9
13 AC DRUMMOND;HRS-a	99.2	118.5	101.7	106.0
OVERALL MEAN(T/HA)	1.98	2.09	4.20	2.39

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

## DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD INDEX  
 YEARS : 93-98  
 AREAS : 2- 5

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	EA93N	O193N	NL93N	WP93N	HN93N	WP94N	EA94N	HN94N	KE94N	O194N	NL94N	EO94N
1 CELTIC;HRS-a	82	103	92	99	106	100	105	104	103	108	91	100
2 PACIFIC;HRS	108	98	104	100	102	103	104	106	108	103	99	116
3 GRANDIN;HRS-a	98	104	104	101	99	97	91	90	90	89	111	84
4 QUANTUM;HRS-a	112	96	101	99	93	.	.	.	.	.	.	.
5 ROBLIN;HRS	.	.	.	.	.	.	.	.	.	.	.	.
6 AC DOMAIN;HRS	.	.	.	.	.	.	.	.	.	.	.	.
7 AC BARRIE;HRS	.	.	.	.	.	.	.	.	.	.	.	.
8 AC WALTON;HRS	.	.	.	.	.	.	.	.	.	.	.	.
9 AC BRIO;HRS	.	.	.	.	.	.	.	.	.	.	.	.
10 MCKENZIE;HRS	.	.	.	.	.	.	.	.	.	.	.	.
11 AC TAHO;HRS	.	.	.	.	.	.	.	.	.	.	.	.
12 AC CORA;HRS	.	.	.	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND;HRS-a.	.	.	.	.	.	.	.	.	.	.	.	.
LOCATION MEAN	3.08	5.05	4.96	2.53	3.81	2.26	3.39	3.05	3.33	3.57	4.00	2.56

KEY NAME	WP95N	EA95N	HN95N	KE95N	O195N	NL95N	EO95N	EA96N	HN96N	WP96N	O196N	KE96N	NL96N
1 CELTIC;HRS-a	94	99	94	93	99	90	101	98	101	94	86	72	93
2 PACIFIC;HRS	104	100	102	92	89	104	95	103	109	101	118	94	94
3 GRANDIN;HRS-a	102	101	104	115	113	106	104	99	108	108	121	95	.
4 QUANTUM;HRS-a	.	.	.	.	.	.	.	115	121	120	117	101	114
5 ROBLIN;HRS	.	.	.	.	.	.	.	95	108	93	84	104	.
6 AC DOMAIN;HRS	.	.	.	.	.	.	.	87	97	94	93	99	.
7 AC BARRIE;HRS	.	.	.	.	.	.	.	97	94	93	89	95	.
8 AC WALTON;HRS	.	.	.	.	.	.	.	99	63	93	80	130	.
9 AC BRIO;HRS	.	.	.	.	.	.	.	108	100	106	112	110	100
10 MCKENZIE;HRS	.	.	.	.	.	.	.	.	.	.	.	.	.
11 AC TAHO;HRS	.	.	.	.	.	.	.	.	.	.	.	.	.
12 AC CORA;HRS	.	.	.	.	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND;HRS-a.	.	.	.	.	.	.	.	.	.	.	.	.	.
LOCATION MEAN	2.60	4.01	3.44	5.05	3.86	4.23	2.85	3.99	4.03	3.68	4.28	3.96	3.93

KEY NAME	WP97N	EA97N	HN97N	KE97N	O197N	NL97N	WP98N	EA98N	HN98N	KE98N	O198N	NL98N
1 CELTIC;HRS-a	109	96	97	89	92	111	93	99	118	60	98	101
2 PACIFIC;HRS	99	101	100	97	100	102	89	106	103	122	100	101
3 GRANDIN;HRS-a	111	105	97	98	107	117	91	117	107	81	92	108
4 QUANTUM;HRS-a	118	119	115	106	107	104	131	137	132	103	113	98
5 ROBLIN;HRS	92	98	86	94	81	102	88	118	115	63	66	97
6 AC DOMAIN;HRS	90	98	91	90	86	101	99	103	94	79	89	90
7 AC BARRIE;HRS	88	98	101	100	104	83	82	84	85	110	89	92
8 AC WALTON;HRS	109	100	122	123	113	71	110	83	80	125	122	95
9 AC BRIO;HRS	104	93	94	111	101	99	102	77	95	96	117	106
10 MCKENZIE;HRS	86	94	96	91	107	109	111	93	93	118	93	105
11 AC TAHO;HRS	94	98	101	100	101	103	99	104	107	113	96	105
12 AC CORA;HRS	.	.	.	.	.	.	101	71	83	114	106	100
13 AC DRUMMOND;HRS-a.	.	.	.	.	.	.	103	106	89	117	120	102
LOCATION MEAN	3.48	3.92	3.35	5.06	3.19	2.82	1.68	2.33	1.94	2.22	1.95	4.20

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 93-98  
AREAS : 2 - 5

TRAIT : YIELD (T/HA)

KEY NAME	AREA II (18)*	AREA III (11)	AREA V (8)	PROV. (37)**
1 CELTIC;HRS-a	3.12	3.47	3.55	3.32
2 PACIFIC;HRS	3.22	3.80	3.75	3.51
OVERALL MEAN	3.17	3.64	3.65	3.41

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (18)*	AREA III (11)	AREA V (8)	PROV. (37)**
1 CELTIC;HRS-a	98.4	94.2	97.7	97.0
2 PACIFIC;HRS	101.6	105.8	102.3	103.0
OVERALL MEAN	3.17	3.64	3.65	3.41

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 93-98  
AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	2	3.12	74.8	36	1.0	83	55	3.2	.7	4.0	1.6	1.4	.	1.0	.8	90
2 PACIFIC;HRS	1	3.22	74.9	33	3.1	100	55	1.7	1.1	3.6	2.2	1.9	.	3.0	1.5	89
LOCATIONS		18	19	19	8	18	18	16	6	13	3	5	0	1	3	5

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: WINTHROP, ELORA, HARRISTON. 1994: WINTHROP, ELORA, HARRISTON.  
1995: WINTHROP, ELORA, HARRISTON. 1996: WINTHROP, ELORA, HARRISTON.  
1997: WINTHROP, ELORA, HARRISTON. 1998: WINTHROP, ELORA, HARRISTON.

YEARS : 93-98  
AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	2	3.47	79.3	34	2.0	76	55	3.3	.	.	.	2.3	.	.	.	.
2 PACIFIC;HRS	1	3.80	81.3	35	3.1	95	54	.6	.	.	.	2.5	.	.	.	.
LOCATIONS		11	11	11	6	9	8	1	0	0	0	1	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: OTTAWA-1. 1994: KEMPTVILLE, OTTAWA-1. 1995: KEMPTVILLE, OTTAWA-1.  
1996: KEMPTVILLE, OTTAWA-1. 1997: KEMPTVILLE, OTTAWA-1. 1998: KEMPTVILLE, OTTAWA-1.

YEARS : 93-98  
AREA : 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	2	3.55	73.9	32	1.0	80	52	.	.	6.3	.	.	.	.	.	106
2 PACIFIC;HRS	1	3.75	74.1	33	1.9	98	52	.	.	6.8	.	.	.	.	.	105
LOCATIONS		8	9	9	5	9	6	0	0	1	0	0	0	0	0	5

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: NEW LISKEARD. 1994: NEW LISKEARD, EMO. 1995: NEW LISKEARD, EMO. 1996: NEW LISKEARD  
1997: NEW LISKEARD. 1998: NEW LISKEARD.

YEARS : 93-98  
AREAS : 2- 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	2	3.32	75.8	34	1.3	81	54	3.2	.7	4.1	1.6	1.5	.	1.0	.8	98
2 PACIFIC;HRS	1	3.51	76.5	34	2.8	98	54	1.6	1.1	3.9	2.2	2.0	.	3.0	1.5	97
LOCATIONS		37	39	39	19	36	32	17	6	14	3	6	0	1	3	10

YIELD AVERAGES WERE BASED ON DATA FROM:

1993: WINTHROP, ELORA, HARRISTON, OTTAWA-1, LISKEARD.  
1994: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD, EMO.  
1995: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD, EMO.  
1996: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.  
1997: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.  
1998: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 95-98

TRAIT : YIELD (T/HA)

KEY NAME	AREA II (12)*	AREA III (8)	AREA V (4)	PROV. (24)**
1 CELTIC;HRS-a	3.17	3.22	3.51	3.24
2 PACIFIC;HRS	3.27	3.70	3.56	3.46
3 GRANDIN;HRS-a	3.34	3.88	3.82	3.60
OVERALL MEAN	3.26	3.60	3.63	3.43

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (12)*	AREA III (8)	AREA V (4)	PROV. (24)**
1 CELTIC;HRS-a	97.6	88.8	97.3	94.7
2 PACIFIC;HRS	99.9	105.4	97.5	101.3
3 GRANDIN;HRS	102.4	105.8	105.1	104.0
OVERALL MEAN (T/HA)	3.26	3.60	3.63	3.43

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS



## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 95-98

AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	3	3.17	74.9	36	.8	80	54	3.4	.8	4.2	2.0	1.4	.	1.0	.0	90
2 PACIFIC;HRS	2	3.27	74.8	33	3.4	98	55	1.7	.8	4.1	3.0	2.1	.	3.0	.0	89
3 GRANDIN;HRS-a	1	3.34	75.5	38	1.2	81	53	2.9	.8	4.3	1.5	1.6	.	3.5	2.0	89
LOCATIONS	12	13	13	5	12	12	11	5	8	1	4	0		1	1	5

YIELD AVERAGES WERE BASED ON DATA FROM:

1995: WINTHROP, ELORA, HARRISTON.

1996: WINTHROP, ELORA, HARRISTON.

1997: WINTHROP, ELORA, HARRISTON.

1998: WINTHROP, ELORA, HARRISTON.

AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	3	3.22	79.5	35	3.0	74	54	3.3	.	.	.	2.3	.	.	.	.
2 PACIFIC;HRS	2	3.70	81.2	35	3.4	91	54	.6	.	.	.	2.5	.	.	.	.
3 GRANDIN;HRS-a	1	3.88	80.8	36	2.0	77	52	2.3	.	.	.	3.8	.	.	.	.
LOCATIONS	8	8	8	4	6	5	1	0	0	0	0	1	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:

1995: KEMPTVILLE, OTTAWA-1.

1996: KEMPTVILLE, OTTAWA-1.

1997: KEMPTVILLE, OTTAWA-1.

1998: KEMPTVILLE, OTTAWA-1.

AREA : 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	3	3.51	74.7	32	2.0	75	48	.	.	.	.	.	.	.	.	105
2 PACIFIC;HRS	2	3.56	75.3	32	3.0	95	49	.	.	.	.	.	.	.	.	104
3 GRANDIN;HRS-a	1	3.82	76.1	32	2.0	78	48	.	.	.	.	.	.	.	.	104
LOCATIONS	4	4	4	1	4	2	0	0	0	0	0	0	0	0	0	4

YIELD AVERAGES WERE BASED ON DATA FROM:

1995: NEW LISKEARD, EMO.

1996: NO AREA V DATA.

1997: NEW LISKEARD.

1998: NEW LISKEARD.

AREAS : 2- 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	3	3.24	76.3	35	1.8	78	53	3.4	.8	4.2	2.0	1.6	.	1.0	.0	97
2 PACIFIC;HRS	2	3.46	76.9	33	3.3	95	54	1.6	.8	4.1	3.0	2.2	.	3.0	.0	95
3 GRANDIN;HRS-a	1	3.60	77.3	37	1.6	80	52	2.9	.8	4.3	1.5	2.0	.	3.5	2.0	96
LOCATIONS	24	25	25	10	22	19	12	5	8	1	5	0		1	1	9

YIELD AVERAGES WERE BASED ON DATA FROM:

1995: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD, EMO.

1996: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1.

1997: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.

1998: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.

\* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 96-98  
AREAS : 2 - 5

TRAIT : YIELD (T/HA)

KEY NAME	AREA II (9)*	AREA III (6)	AREA V (2)	PROV. (17)**
1 CELTIC;HRS-a	3.15	2.87	3.67	3.11
2 PACIFIC;HRS	3.22	3.59	3.56	3.39
3 GRANDIN;HRS-a	3.32	3.48	3.92	3.45
4 QUANTUM;HRS-a	3.82	3.72	3.53	3.75
5 ROBLIN;HRS	3.10	2.96	3.48	3.10
6 AC DOMAIN;HRS	2.97	3.11	3.32	3.06
7 AC BARRIE;HRS	2.93	3.35	3.09	3.10
8 AC WALTON;HRS	3.00	3.93	2.99	3.33
9 AC BRIO;HRS	3.10	3.74	3.63	3.39
OVERALL MEAN	3.18	3.42	3.46	3.30

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (9)*	AREA III (6)	AREA V (2)	PROV. (17)**
1 CELTIC;HRS-a	99.6	83.9	107.1	94.9
2 PACIFIC;HRS	100.5	106.9	102.8	103.0
3 GRANDIN;HRS-a	103.9	100.2	114.0	103.8
4 QUANTUM;HRS-a	121.9	109.6	102.4	115.3
5 ROBLIN;HRS	98.2	83.1	100.9	93.2
6 AC DOMAIN;HRS	94.0	90.4	96.8	93.1
7 AC BARRIE;HRS	90.7	99.3	88.3	93.5
8 AC WALTON;HRS	94.6	117.3	83.8	101.3
9 AC BRIO;HRS	96.6	109.2	104.0	102.0
OVERALL MEAN(T/HA)	3.18	3.42	3.46	3.30

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 96-98  
AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	4	3.15	74.7	37	.7	81	54	3.1	.8	4.3	2.0	1.0	.	1.0	.0	90
2 PACIFIC;HRS	3	3.22	75.0	34	3.1	97	55	1.8	.8	4.3	3.0	1.4	.	3.0	.0	89
3 GRANDIN;HRS-a	2	3.32	75.7	39	.9	82	53	2.9	.8	4.5	1.5	1.0	.	3.5	2.0	90
4 QUANTUM;HRS-a	1	3.82	75.9	41	1.1	86	53	.4	2.2	3.8	2.0	.6	.	2.0	.0	87
5 ROBLIN;HRS	5	3.10	73.1	35	1.8	88	51	3.5	1.1	5.1	2.5	1.4	.	3.0	.0	88
6 AC DOMAIN;HRS	8	2.97	74.7	33	1.4	89	54	2.3	.5	5.2	3.5	.8	.	3.5	1.0	88
7 AC BARRIE;HRS	9	2.93	74.4	33	.6	89	56	4.1	1.9	6.1	5.5	.6	.	3.0	.0	90
8 AC WALTON;HRS	7	3.00	69.4	32	.6	94	58	.6	3.6	4.3	5.0	1.1	.	1.0	.0	93
9 AC BRIO;HRS	5	3.10	73.4	35	.8	93	56	4.0	1.2	5.7	5.5	.7	.	2.0	1.0	91
LOCATIONS		9	9	9	4	9	9	8	5	6	1	3	0	1	1	4

YIELD AVERAGES WERE BASED ON DATA FROM:  
1996: WINTHROP, ELORA, HARRISTON.  
1997: WINTHROP, ELORA, HARRISTON.  
1998: WINTHROP, ELORA, HARRISTON.

YEARS : 96-98  
AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	9	2.87	79.3	34	3.9	73	54	3.3	.	.	.	2.3	.	.	.	.
2 PACIFIC;HRS	4	3.59	81.5	35	3.0	91	53	.6	.	.	.	2.5	.	.	.	.
3 GRANDIN;HRS-a	5	3.48	81.0	37	2.6	77	52	2.3	.	.	.	3.8	.	.	.	.
4 QUANTUM;HRS-a	3	3.72	81.3	40	1.8	77	51	.5	.	.	.	2.3	.	.	.	.
5 ROBLIN;HRS	8	2.96	78.6	34	3.6	79	51	4.6	.	.	.	6.0	.	.	.	.
6 AC DOMAIN;HRS	7	3.11	80.6	33	3.0	83	52	.9	.	.	.	3.0	.	.	.	.
7 AC BARRIE;HRS	6	3.35	80.5	35	2.9	84	55	4.4	.	.	.	1.8	.	.	.	.
8 AC WALTON;HRS	1	3.93	77.7	36	1.8	85	55	.5	.	.	.	2.3	.	.	.	.
9 AC BRIO;HRS	2	3.74	81.0	38	2.6	87	55	5.1	.	.	.	2.0	.	.	.	.
LOCATIONS		6	6	6	3	5	4	1	0	0	0	1	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:  
1996: KEMPTVILLE, OTTAWA-1 1997: KEMPTVILLE, OTTAWA-1 1998: KEMPTVILLE, OTTAWA-1

YEARS : 96-98  
AREAS : 2- 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	6	3.11	76.2	35	2.1	78	53	3.2	.8	4.3	2.0	1.3	.	1.0	.0	98
2 PACIFIC;HRS	3	3.39	77.2	34	3.0	94	54	1.7	.8	4.3	3.0	1.7	.	3.0	.0	96
3 GRANDIN;HRS-a	2	3.45	77.5	37	1.6	80	52	2.9	.8	4.5	1.5	1.7	.	3.5	2.0	98
4 QUANTUM;HRS-a	1	3.75	77.5	39	1.4	82	52	.4	2.2	3.8	2.0	1.0	.	2.0	.0	95
5 ROBLIN;HRS	7	3.10	74.8	34	2.6	85	50	3.6	1.1	5.1	2.5	2.5	.	3.0	.0	94
6 AC DOMAIN;HRS	9	3.06	76.4	32	2.1	87	53	2.2	.5	5.2	3.5	1.3	.	3.5	1.0	96
7 AC BARRIE;HRS	7	3.10	76.4	33	1.6	87	55	4.2	1.9	6.1	5.5	.9	.	3.0	.0	98
8 AC WALTON;HRS	5	3.33	72.5	33	1.2	90	56	.6	3.6	4.3	5.0	1.4	.	1.0	.0	100
9 AC BRIO;HRS	3	3.39	76.1	36	1.5	91	55	4.1	1.2	5.7	5.5	1.0	.	2.0	1.0	98
LOCATIONS		17	17	17	7	16	14	9	5	6	1	4	0	1	1	6

YIELD AVERAGES WERE BASED ON DATA FROM:  
1996: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1.  
1997: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.  
1998: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 97-98  
AREAS : 2 - 5

TRAIT : YIELD (T/HA)

KEY NAME	AREA II (6)*	AREA III (4)	AREA V (2)	PROV. (12)**
1 CELTIC;HRS-a	2.83	2.68	3.67	2.92
2 PACIFIC;HRS	2.79	3.19	3.56	3.05
3 GRANDIN;HRS-a	2.93	2.99	3.92	3.12
4 QUANTUM;HRS-a	3.43	3.33	3.53	3.41
5 ROBLIN;HRS	2.73	2.51	3.48	2.78
6 AC DOMAIN;HRS	2.65	2.70	3.32	2.78
7 AC BARRIE;HRS	2.55	3.14	3.09	2.84
8 AC WALTON;HRS	2.85	3.74	2.99	3.17
9 AC BRIO;HRS	2.62	3.31	3.63	3.02
10 MCKENZIE;HRS	2.63	3.11	3.74	2.97
11 AC TAHO;HRS	2.78	3.16	3.65	3.06
OVERALL MEAN	2.80	3.08	3.51	3.01

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (6)*	AREA III (4)	AREA V (2)	PROV. (12)**
1 CELTIC;HRS-a	101.3	86.0	105.8	97.0
2 PACIFIC;HRS	99.2	106.3	101.5	101.9
3 GRANDIN;HRS-a	104.0	95.7	112.5	102.7
4 QUANTUM;HRS-a	124.3	108.9	101.1	115.3
5 ROBLIN;HRS	98.5	77.0	99.7	91.5
6 AC DOMAIN;HRS	95.2	87.0	95.6	92.5
7 AC BARRIE;HRS	89.2	102.2	87.2	93.2
8 AC WALTON;HRS	100.0	122.2	82.8	104.6
9 AC BRIO;HRS	93.3	107.5	102.7	99.6
10 MCKENZIE;HRS	95.0	103.6	107.1	99.9
11 AC TAHO;HRS	100.0	103.7	104.0	101.9
OVERALL MEAN	2.80	3.08	3.51	3.01

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 97-98  
AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	4	2.83	73.3	35	1.1	77	55	3.7	1.3	3.9	2.0	.	.	1.0	.0	87
2 PACIFIC;HRS	5	2.79	73.8	32	3.0	90	55	1.8	.8	3.9	3.0	.	.	3.0	.0	85
3 GRANDIN;HRS-a	2	2.93	74.5	37	1.3	77	53	3.2	1.1	3.6	1.5	.	.	3.5	2.0	86
4 QUANTUM;HRS-a	1	3.43	74.5	39	1.5	82	54	.5	2.8	2.8	2.0	.	.	2.0	.0	83
5 ROBLIN;HRS	7	2.73	71.8	33	1.9	82	51	3.4	1.3	4.3	2.5	.	.	3.0	.0	84
6 AC DOMAIN;HRS	8	2.65	73.8	32	1.3	84	54	2.4	.9	4.3	3.5	.	.	3.5	1.0	85
7 AC BARRIE;HRS	11	2.55	73.2	31	1.1	82	57	4.0	2.0	5.8	5.5	.	.	3.0	.0	86
8 AC WALTON;HRS	3	2.85	68.4	31	.9	88	58	.7	3.7	3.0	5.0	.	.	1.0	.0	89
9 AC BRIO;HRS	10	2.62	72.2	33	1.0	87	57	4.2	1.3	4.9	5.5	.	.	2.0	1.0	87
10 MCKENZIE;HRS	9	2.63	73.9	31	1.5	87	54	4.4	.8	5.7	6.0	.	.	3.0	1.5	86
11 AC TAHO;HRS	6	2.78	71.3	32	1.1	85	55	2.6	.9	4.5	4.0	.	.	2.5	.0	86
LOCATIONS		6	6	6	2	6	6	6	2	3	1	0	0	1	1	2

YIELD AVERAGES WERE BASED ON DATA FROM:  
1997: WINTHROP, ELORA, HARRISTON.  
1998: WINTHROP, ELORA, HARRISTON.

YEARS : 97-98  
AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	10	2.68	78.0	34	4.2	62	54	.	.	.	.	2.3	.	.	.	.
2 PACIFIC;HRS	4	3.19	80.6	34	2.3	75	53	.	.	.	.	2.5	.	.	.	.
3 GRANDIN;HRS-a	8	2.99	79.8	36	3.4	64	51	.	.	.	.	3.8	.	.	.	.
4 QUANTUM;HRS-a	2	3.33	80.1	38	2.2	64	50	.	.	.	.	2.3	.	.	.	.
5 ROBLIN;HRS	11	2.51	76.8	33	4.3	62	50	.	.	.	.	6.0	.	.	.	.
6 AC DOMAIN;HRS	9	2.70	79.7	32	3.4	69	51	.	.	.	.	3.0	.	.	.	.
7 AC BARRIE;HRS	6	3.14	79.3	35	1.9	69	54	.	.	.	.	1.8	.	.	.	.
8 AC WALTON;HRS	1	3.74	77.4	36	2.0	73	55	.	.	.	.	2.3	.	.	.	.
9 AC BRIO;HRS	3	3.31	79.8	37	3.4	72	54	.	.	.	.	2.0	.	.	.	.
10 MCKENZIE;HRS	7	3.11	80.8	32	2.4	71	52	.	.	.	.	1.8	.	.	.	.
11 AC TAHO;HRS	5	3.16	78.0	34	1.6	71	53	.	.	.	.	2.3	.	.	.	.
LOCATIONS		4	4	4	2	3	3	0	0	0	0	1	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:  
1997: KEMPTVILLE, OTTAWA-1.  
1998: KEMPTVILLE, OTTAWA-1.

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEARS : 97-98  
AREA : 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	3	3.67	74.2	31	.	74	45	.	.	.	.	.	.	.	.	114
2 PACIFIC;HRS	6	3.56	74.2	30	.	93	46	.	.	.	.	.	.	.	.	110
3 GRANDIN;HRS-a	1	3.92	74.8	28	.	77	44	.	.	.	.	.	.	.	.	113
4 QUANTUM;HRS-a	7	3.53	73.6	33	.	79	44	.	.	.	.	.	.	.	.	111
5 ROBLIN;HRS	8	3.48	71.1	29	.	83	42	.	.	.	.	.	.	.	.	108
6 AC DOMAIN;HRS	9	3.32	71.7	28	.	85	45	.	.	.	.	.	.	.	.	111
7 AC BARRIE;HRS	10	3.09	72.9	29	.	86	47	.	.	.	.	.	.	.	.	114
8 AC WALTON;HRS	11	2.99	70.4	29	.	81	48	.	.	.	.	.	.	.	.	115
9 AC BRIO;HRS	5	3.63	73.6	32	.	89	47	.	.	.	.	.	.	.	.	114
10 MCKENZIE;HRS	2	3.74	72.9	27	.	87	46	.	.	.	.	.	.	.	.	114
11 AC TAHO;HRS	4	3.65	71.1	28	.	87	46	.	.	.	.	.	.	.	.	114
LOCATIONS		2	2	2	0	2	1	0	0	0	0	0	0	0	0	2

YIELD AVERAGES WERE BASED ON DATA FROM:  
1997: NEW LISKEARD.  
1998: NEW LISKEARD.

YEARS : 97-98  
AREAS : 2- 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	8	2.92	75.0	34	2.7	72	53	3.7	1.3	3.9	2.0	2.3	.	1.0	.0	101
2 PACIFIC;HRS	5	3.05	76.1	32	2.7	86	53	1.8	.8	3.9	3.0	2.5	.	3.0	.0	97
3 GRANDIN;HRS-a	3	3.12	76.3	35	2.3	74	52	3.2	1.1	3.6	1.5	3.8	.	3.5	2.0	100
4 QUANTUM;HRS-a	1	3.41	76.2	37	1.8	76	52	.5	2.8	2.8	2.0	2.3	.	2.0	.0	97
5 ROBLIN;HRS	10	2.78	73.4	32	3.1	76	50	3.4	1.3	4.3	2.5	6.0	.	3.0	.0	96
6 AC DOMAIN;HRS	10	2.78	75.4	31	2.3	80	52	2.4	.9	4.3	3.5	3.0	.	3.5	1.0	98
7 AC BARRIE;HRS	9	2.84	75.2	32	1.5	79	55	4.0	2.0	5.8	5.5	1.8	.	3.0	.0	100
8 AC WALTON;HRS	2	3.17	71.7	32	1.5	83	56	.7	3.7	3.0	5.0	2.3	.	1.0	.0	102
9 AC BRIO;HRS	6	3.02	74.9	34	2.2	83	55	4.2	1.3	4.9	5.5	2.0	.	2.0	1.0	100
10 MCKENZIE;HRS	7	2.97	76.0	31	2.0	82	52	4.4	.8	5.7	6.0	1.8	.	3.0	1.5	100
11 AC TAHO;HRS	4	3.06	73.5	32	1.4	81	53	2.6	.9	4.5	4.0	2.3	.	2.5	.0	100
LOCATIONS		12	12	12	4	11	10	6	2	3	1	1	0	1	1	4

YIELD AVERAGES WERE BASED ON DATA FROM:  
1997: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.  
1998: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEAR : 98  
AREAS : 2 - 5

TRAIT : YIELD (T/HA)

KEY NAME	AREA II (3)*	AREA III (2)	AREA V (1)	PROV. (6)**
1 CELTIC;HRS-a	2.06	1.63	4.22	2.27
2 PACIFIC;HRS	2.00	2.33	4.25	2.48
3 GRANDIN;HRS-a	2.11	1.79	4.55	2.41
4 QUANTUM;HRS-a	2.65	2.25	4.11	2.76
5 ROBLIN;HRS	2.15	1.35	4.08	2.20
6 AC DOMAIN;HRS	1.97	1.74	3.78	2.19
7 AC BARRIE;HRS	1.66	2.10	3.85	2.17
8 AC WALTON;HRS	1.78	2.58	3.97	2.41
9 AC BRIO;HRS	1.78	2.20	4.47	2.37
10 MCKENZIE;HRS	1.95	2.22	4.42	2.45
11 AC TAHO;HRS	2.06	2.18	4.41	2.49
12 AC CORA;HRS	1.66	2.30	4.19	2.29
13 AC DRUMMOND;HRS-a	1.97	2.47	4.27	2.52
OVERALL MEAN	1.98	2.09	4.20	2.39

## MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (3)*	AREA III (2)	AREA V (1)	PROV. (6)**
1 CELTIC;HRS-a	103.5	79.3	100.5	94.9
2 PACIFIC;HRS	99.7	110.7	101.2	103.7
3 GRANDIN;HRS-a	105.0	86.3	108.4	99.3
4 QUANTUM;HRS-a	133.3	108.1	97.9	119.0
5 ROBLIN;HRS	106.9	64.5	97.2	91.2
6 AC DOMAIN;HRS	98.9	83.7	90.0	92.3
7 AC BARRIE;HRS	83.8	99.7	91.7	90.4
8 AC WALTON;HRS	90.9	123.3	94.6	102.3
9 AC BRIO;HRS	91.1	106.1	106.5	98.7
10 MCKENZIE;HRS	99.0	105.6	105.3	102.3
11 AC TAHO;HRS	103.6	104.2	105.1	104.0
12 AC CORA;HRS	85.1	110.0	99.8	95.9
13 AC DRUMMOND;HRS-a	99.2	118.5	101.7	106.0
OVERALL MEAN	1.98	2.09	4.20	2.39

\* # OF LOCATIONS

\*\* AVERAGE ACROSS LOCATIONS

## ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEAR : 98  
AREA : 2

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 CELTIC;HRS-a	4	2.06	69.8	31	1.1	75	52	3.3	.	3.7	2.0	.	.	1.0	.	87
2 PACIFIC;HRS	6	2.00	71.3	29	3.0	87	52	2.7	.	2.9	3.0	.	.	3.0	.	85
3 GRANDIN;HRS-a	3	2.11	72.2	33	1.3	73	51	3.5	.	2.7	1.5	.	.	3.5	.	86
4 QUANTUM;HRS-a	1	2.65	72.2	36	1.5	80	51	1.0	.	1.3	2.0	.	.	2.0	.	83
5 ROBLIN;HRS	2	2.15	70.0	31	1.9	80	49	3.8	.	3.0	2.5	.	.	3.0	.	84
6 AC DOMAIN;HRS	7	1.97	71.2	28	1.3	82	52	3.2	.	3.4	3.5	.	.	3.5	.	85
7 AC BARRIE;HRS	12	1.66	70.8	27	1.1	78	54	3.4	.	5.4	5.5	.	.	3.0	.	86
8 AC WALTON;HRS	10	1.78	63.4	26	.9	85	55	1.3	.	1.8	5.0	.	.	1.0	.	89
9 AC BRIO;HRS	10	1.78	69.2	29	1.0	85	54	3.5	.	4.2	5.5	.	.	2.0	.	87
10 MCKENZIE;HRS	9	1.95	71.9	28	1.5	86	51	3.8	.	5.3	6.0	.	.	3.0	.	86
11 AC TAHO;HRS	4	2.06	68.5	29	1.1	82	53	3.3	.	3.5	4.0	.	.	2.5	.	86
12 AC CORA;HRS	12	1.66	68.1	24	1.3	85	55	3.4	.	4.7	4.5	.	.	2.5	.	87
13 AC DRUMMOND;HRS-a	7	1.97	71.6	33	.5	81	56	3.7	.	4.0	2.0	.	.	2.0	.	89
LOCATIONS			3	3	3	2	3	3	0	2	1	0	0	1	0	2

YIELD AVERAGES WERE BASED ON DATA FROM: WINTHROP, ELORA, HARRISTON.

YEAR : 98  
AREA : 3

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 CELTIC;HRS-a	12	1.63	75.3	29	4.2	62	54	.	.	.	.	2.3	.	.	.	.
2 PACIFIC;HRS	3	2.33	77.6	31	2.3	75	53	.	.	.	.	2.5	.	.	.	.
3 GRANDIN;HRS-a	10	1.79	76.1	32	3.4	61	51	.	.	.	.	3.8	.	.	.	.
4 QUANTUM;HRS-a	5	2.25	76.4	35	2.2	65	50	.	.	.	.	2.3	.	.	.	.
5 ROBLIN;HRS	13	1.35	72.3	29	4.3	63	48	.	.	.	.	6.0	.	.	.	.
6 AC DOMAIN;HRS	11	1.74	76.1	29	3.4	72	51	.	.	.	.	3.0	.	.	.	.
7 AC BARRIE;HRS	9	2.10	77.3	31	1.9	70	54	.	.	.	.	1.8	.	.	.	.
8 AC WALTON;HRS	1	2.58	75.2	32	2.0	75	54	.	.	.	.	2.3	.	.	.	.
9 AC BRIO;HRS	7	2.20	77.3	33	3.4	73	53	.	.	.	.	2.0	.	.	.	.
10 MCKENZIE;HRS	6	2.22	78.3	29	2.4	73	52	.	.	.	.	1.8	.	.	.	.
11 AC TAHO;HRS	8	2.18	74.9	30	1.6	73	53	.	.	.	.	2.3	.	.	.	.
12 AC CORA;HRS	4	2.30	76.9	29	2.5	79	55	.	.	.	.	2.3	.	.	.	.
13 AC DRUMMOND;HRS-a	2	2.47	79.4	38	2.4	76	55	.	.	.	.	1.0	.	.	.	.
LOCATIONS			2	2	2	2	2	0	0	0	0	1	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM: KEMPTVILLE, OTTAWA-1.

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS



ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

YEAR : 98  
 AREA : 5

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 CELTIC;HRS-a	7	4.22	76.1	36	.	70	.	.	.	.	.	.	.	.	.	126
2 PACIFIC;HRS	6	4.25	76.1	37	.	91	.	.	.	.	.	.	.	.	.	118
3 GRANDIN;HRS-a	1	4.55	77.3	31	.	76	.	.	.	.	.	.	.	.	.	122
4 QUANTUM;HRS-a	9	4.11	76.1	39	.	78	.	.	.	.	.	.	.	.	.	118
5 ROBLIN;HRS	10	4.08	73.6	35	.	83	.	.	.	.	.	.	.	.	.	110
6 AC DOMAIN;HRS	13	3.78	73.6	32	.	84	.	.	.	.	.	.	.	.	.	119
7 AC BARRIE;HRS	12	3.85	73.6	33	.	84	.	.	.	.	.	.	.	.	.	125
8 AC WALTON;HRS	11	3.97	71.1	33	.	74	.	.	.	.	.	.	.	.	.	124
9 AC BRIO;HRS	2	4.47	76.1	37	.	86	.	.	.	.	.	.	.	.	.	125
10 MCKENZIE;HRS	3	4.42	74.8	32	.	87	.	.	.	.	.	.	.	.	.	118
11 AC TAHO;HRS	4	4.41	73.6	34	.	82	.	.	.	.	.	.	.	.	.	118
12 AC CORA;HRS	8	4.19	73.6	32	.	90	.	.	.	.	.	.	.	.	.	123
13 AC DRUMMOND;HRS-a	5	4.27	77.3	41	.	82	.	.	.	.	.	.	.	.	.	126
LOCATIONS		1	1	1	0	1	0	0	0	0	0	0	0	0	0	1

YIELD AVERAGES WERE BASED ON DATA FROM: NEW LISKEARD.

YEAR : 98  
 AREAS : 2- 5

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 CELTIC;HRS-a	10	2.27	72.7	31	2.7	70	53	3.3	.	3.7	2.0	2.3	.	1.0	.	100
2 PACIFIC;HRS	4	2.48	74.2	31	2.7	84	52	2.7	.	2.9	3.0	2.5	.	3.0	.	96
3 GRANDIN;HRS-a	6	2.41	74.3	33	2.3	70	51	3.5	.	2.7	1.5	3.8	.	3.5	.	98
4 QUANTUM;HRS-a	1	2.76	74.3	36	1.8	75	50	1.0	.	1.3	2.0	2.3	.	2.0	.	95
5 ROBLIN;HRS	11	2.20	71.3	31	3.1	75	48	3.8	.	3.0	2.5	6.0	.	3.0	.	93
6 AC DOMAIN;HRS	12	2.19	73.2	29	2.3	79	51	3.2	.	3.4	3.5	3.0	.	3.5	.	96
7 AC BARRIE;HRS	13	2.17	73.4	29	1.5	77	54	3.4	.	5.4	5.5	1.8	.	3.0	.	99
8 AC WALTON;HRS	6	2.41	68.6	29	1.5	80	55	1.3	.	1.8	5.0	2.3	.	1.0	.	100
9 AC BRIO;HRS	8	2.37	73.1	32	2.2	81	54	3.5	.	4.2	5.5	2.0	.	2.0	.	99
10 MCKENZIE;HRS	5	2.45	74.5	29	2.0	82	51	3.8	.	5.3	6.0	1.8	.	3.0	.	97
11 AC TAHO;HRS	3	2.49	71.5	30	1.4	79	53	3.3	.	3.5	4.0	2.3	.	2.5	.	97
12 AC CORA;HRS	9	2.29	71.9	27	1.9	84	55	3.4	.	4.7	4.5	2.3	.	2.5	.	99
13 AC DRUMMOND;HRS-a	2	2.52	75.2	36	1.5	80	55	3.7	.	4.0	2.0	1.0	.	2.0	.	101
LOCATIONS		6	6	6	4	6	5	3	0	2	1	1	0	1	0	3

YIELD AVERAGES WERE BASED ON DATA FROM: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.

\* DAYS FROM PLANTING  
 A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## ONTARIO PERFORMANCE TRIALS; SPRING WHEAT 1998

TRIAL STATISTICS (GRAIN YIELD)

AREA	LOCATION	MEAN (g m <sup>-2</sup> )	REPS	ERROR SS	ERROR DF	ERROR MS	C.V.%
2	WINTHROP	168*	4	7344	36	204	8.5%
2	ELORA	233	4	15624	36	434	9.0%
2	HARRISTON	194	4	3132	36	87	4.8%
3	KEMPTVILLE	214	4	19944	36	554	11.0%
3	OTTAWA	381	4	96660	36	2685	13.6%
5	NEW LISKEARD	420	4	22104	36	614	5.9%

\* 100 g m<sup>-2</sup> = 1 t/ha = 893 lbs/acre

ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

LOCATION - WINTHROP  
MANAGEMENT - NORMAL

KEY NAME	RK	YIELD		KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
		T/HA	K/HL													
1 CELTIC;HRS-a	9	1.57	72.9	30	2.0	73	53	3.0	.	.	.	.	.	.	1.0	.
2 PACIFIC;HRS	11	1.50	73.1	25	2.0	73	54	2.0	.	.	.	.	.	.	3.0	.
3 GRANDIN;HRS-a	10	1.53	71.0	32	1.0	72	52	4.0	.	.	.	.	.	.	2.0	.
4 QUANTUM;HRS-a	1	2.20	71.8	33	1.0	77	52	.0	.	.	.	.	.	.	3.0	.
5 ROBLIN;HRS	12	1.47	69.3	27	1.5	69	50	5.0	.	.	.	.	.	.	3.5	.
6 AC DOMAIN;HRS	7	1.67	72.3	25	1.0	77	54	2.5	.	.	.	.	.	.	3.0	.
7 AC BARRIE;HRS	13	1.38	72.6	28	1.0	72	55	3.0	.	.	.	.	.	.	1.0	.
8 AC WALTON;HRS	3	1.84	70.3	28	1.0	85	55	.0	.	.	.	.	.	.	2.0	.
9 AC BRIO;HRS	5	1.72	73.1	30	1.0	81	55	3.0	.	.	.	.	.	.	3.0	.
10 MCKENZIE;HRS	2	1.86	73.7	28	1.5	85	53	3.0	.	.	.	.	.	.	2.5	.
11 AC TAHO;HRS	7	1.67	68.9	27	1.0	74	54	3.0	.	.	.	.	.	.	2.5	.
12 AC CORA;HRS	6	1.70	71.3	23	1.5	78	56	2.5	.	.	.	.	.	.	2.0	.
13 AC DRUMMOND;HRS-a	4	1.73	73.6	32	1.0	77	56	4.0	.	.	.	.	.	.	.	.
MEANS		1.68	71.8	28	1.3	76	54	2.7	.	.	.	.	.	.	2.5	.

LOCATION - ELORA  
MANAGEMENT - NORMAL

KEY NAME	RK	YIELD		KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
		T/HA	K/HL													
1 CELTIC;HRS-a	8	2.31	67.4	29	.3	80	54	3.3	.	3.8	.	.	.	.	.	90
2 PACIFIC;HRS	4	2.48	72.3	32	4.0	103	54	3.0	.	3.8	.	.	.	.	.	86
3 GRANDIN;HRS-a	3	2.73	73.6	38	1.5	80	52	3.0	.	2.8	.	.	.	.	.	89
4 QUANTUM;HRS-a	1	3.18	73.6	38	2.0	86	52	.0	.	2.5	.	.	.	.	.	84
5 ROBLIN;HRS	2	2.76	71.1	34	2.3	90	49	3.0	.	3.5	.	.	.	.	.	88
6 AC DOMAIN;HRS	7	2.41	71.1	31	1.5	86	52	3.0	.	4.3	.	.	.	.	.	86
7 AC BARRIE;HRS	10	1.95	69.9	29	1.3	86	55	3.3	.	3.8	.	.	.	.	.	87
8 AC WALTON;HRS	11	1.94	58.6	25	.8	90	57	.0	.	2.5	.	.	.	.	.	90
9 AC BRIO;HRS	12	1.79	66.1	28	1.0	91	54	3.5	.	3.3	.	.	.	.	.	88
10 MCKENZIE;HRS	9	2.17	71.1	28	1.5	91	52	3.8	.	5.5	.	.	.	.	.	88
11 AC TAHO;HRS	6	2.43	69.9	32	1.3	93	54	3.0	.	4.5	.	.	.	.	.	88
12 AC CORA;HRS	13	1.66	64.2	24	1.0	96	56	3.8	.	4.8	.	.	.	.	.	89
13 AC DRUMMOND;HRS-a	5	2.47	71.1	34	.0	93	57	3.5	.	3.0	.	.	.	.	.	92
MEANS		2.33	69.2	31	1.4	90	54	2.8	.	3.7	.	.	.	.	.	88

LOCATION - HARRISTON  
MANAGEMENT - NORMAL

KEY NAME	RK	YIELD		KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
		T/HA	K/HL													
1 CELTIC;HRS-a	2	2.29	69.2	34	.	73	50	3.5	.	3.5	2.0	.	.	.	.	84
2 PACIFIC;HRS	6	2.01	68.6	30	.	84	49	3.0	.	2.0	3.0	.	.	.	.	83
3 GRANDIN;HRS-a	5	2.07	72.0	30	.	68	49	3.5	.	2.5	1.5	.	.	.	.	83
4 QUANTUM;HRS-a	1	2.57	71.2	36	.	77	49	3.0	.	.0	2.0	.	.	.	.	82
5 ROBLIN;HRS	3	2.23	69.6	32	.	81	47	3.5	.	2.5	2.5	.	.	.	.	80
6 AC DOMAIN;HRS	8	1.82	70.2	28	.	82	49	4.0	.	2.5	3.5	.	.	.	.	83
7 AC BARRIE;HRS	11	1.66	69.8	24	.	77	52	4.0	.	7.0	5.5	.	.	.	.	85
8 AC WALTON;HRS	13	1.55	61.2	26	.	79	54	4.0	.	1.0	5.0	.	.	.	.	87
9 AC BRIO;HRS	7	1.84	68.4	29	.	82	53	4.0	.	5.0	5.5	.	.	.	.	85
10 MCKENZIE;HRS	9	1.81	71.0	28	.	81	49	4.5	.	5.0	6.0	.	.	.	.	84
11 AC TAHO;HRS	4	2.08	66.8	27	.	80	51	4.0	.	2.5	4.0	.	.	.	.	84
12 AC CORA;HRS	12	1.61	68.8	25	.	80	53	4.0	.	4.5	4.5	.	.	.	.	86
13 AC DRUMMOND;HRS	10	1.72	70.2	32	.	73	54	3.5	.	5.0	2.0	.	.	.	.	84
MEANS		1.94	69.0	29	.	78	51	3.7	.	3.3	3.6	.	.	.	.	84

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

LOCATION - KEMPTVILLE  
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	13	1.34	71.8	26	6.5	59	53	.	.	.	.	.	.	.	.	.
2 PACIFIC;HRS	2	2.70	76.4	32	2.3	76	52	.	.	.	.	.	.	.	.	.
3 GRANDIN;HRS-a	10	1.80	73.2	30	5.3	59	52	.	.	.	.	.	.	.	.	.
4 QUANTUM;HRS-a	8	2.29	73.7	31	3.3	64	49	.	.	.	.	.	.	.	.	.
5 ROBLIN;HRS	12	1.40	71.4	29	7.5	64	47	.	.	.	.	.	.	.	.	.
6 AC DOMAIN;HRS	11	1.75	74.1	28	5.5	73	49	.	.	.	.	.	.	.	.	.
7 AC BARRIE;HRS	7	2.45	77.0	32	2.8	71	52	.	.	.	.	.	.	.	.	.
8 AC WALTON;HRS	1	2.77	74.1	32	2.0	74	52	.	.	.	.	.	.	.	.	.
9 AC BRIO;HRS	9	2.12	74.6	33	5.8	73	52	.	.	.	.	.	.	.	.	.
10 MCKENZIE;HRS	3	2.62	77.0	29	2.8	73	50	.	.	.	.	.	.	.	.	.
11 AC TAHO;HRS	6	2.50	73.7	31	1.8	76	52	.	.	.	.	.	.	.	.	.
12 AC CORA;HRS	5	2.52	75.9	30	3.0	79	52	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND;HRS-a	4	2.59	77.4	39	1.0	76	55	.	.	.	.	.	.	.	.	.
MEANS		2.22	74.6	31	3.8	71	51	.	.	.	.	.	.	.	.	.

LOCATION - OTTAWA-1  
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	7	1.92	78.8	32	1.8	65	54	.	.	.	.	2.3	.	.	.	.
2 PACIFIC;HRS	6	1.95	78.7	30	2.3	74	53	.	.	.	.	2.5	.	.	.	.
3 GRANDIN;HRS-a	10	1.79	79.0	34	1.5	63	49	.	.	.	.	3.8	.	.	.	.
4 QUANTUM;HRS-a	4	2.21	79.1	38	1.0	66	50	.	.	.	.	2.3	.	.	.	.
5 ROBLIN;HRS	13	1.29	73.1	29	1.0	62	49	.	.	.	.	6.0	.	.	.	.
6 AC DOMAIN;HRS	12	1.73	78.1	30	1.3	70	53	.	.	.	.	3.0	.	.	.	.
7 AC BARRIE;HRS	11	1.74	77.6	30	1.0	69	56	.	.	.	.	1.8	.	.	.	.
8 AC WALTON;HRS	1	2.38	76.3	31	2.0	76	55	.	.	.	.	2.3	.	.	.	.
9 AC BRIO;HRS	3	2.28	80.0	33	1.0	73	54	.	.	.	.	2.0	.	.	.	.
10 MCKENZIE;HRS	9	1.82	79.6	28	2.0	72	53	.	.	.	.	1.8	.	.	.	.
11 AC TAHO;HRS	8	1.87	76.1	29	1.5	70	54	.	.	.	.	2.3	.	.	.	.
12 AC CORA;HRS	5	2.08	77.8	28	2.0	79	57	.	.	.	.	2.3	.	.	.	.
13 AC DRUMMOND;HRS-a	2	2.35	81.5	37	3.8	76	54	.	.	.	.	1.0	.	.	.	.
MEANS		1.96	78.1	31	1.7	70	53	.	.	.	.	2.6	.	.	.	.

LOCATION - NEW LISKEARD  
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	7	4.22	76.1	36	.	70	.	.	.	.	.	.	.	.	.	126
2 PACIFIC;HRS	6	4.25	76.1	37	.	91	.	.	.	.	.	.	.	.	.	118
3 GRANDIN;HRS-a	1	4.55	77.3	31	.	76	.	.	.	.	.	.	.	.	.	122
4 QUANTUM;HRS-a	9	4.11	76.1	39	.	78	.	.	.	.	.	.	.	.	.	118
5 ROBLIN;HRS	10	4.08	73.6	35	.	83	.	.	.	.	.	.	.	.	.	110
6 AC DOMAIN;HRS	13	3.78	73.6	32	.	84	.	.	.	.	.	.	.	.	.	119
7 AC BARRIE;HRS	12	3.85	73.6	33	.	84	.	.	.	.	.	.	.	.	.	125
8 AC WALTON;HRS	11	3.97	71.1	33	.	74	.	.	.	.	.	.	.	.	.	124
9 AC BRIO;HRS	2	4.47	76.1	37	.	86	.	.	.	.	.	.	.	.	.	125
10 MCKENZIE;HRS	3	4.42	74.8	32	.	87	.	.	.	.	.	.	.	.	.	118
11 AC TAHO;HRS	4	4.41	73.6	34	.	82	.	.	.	.	.	.	.	.	.	118
12 AC CORA;HRS	8	4.19	73.6	32	.	90	.	.	.	.	.	.	.	.	.	123
13 AC DRUMMOND;HRS-a	5	4.27	77.3	41	.	82	.	.	.	.	.	.	.	.	.	126
MEANS		4.20	74.8	35	.	82	.	.	.	.	.	.	.	.	.	121

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIALS 1998; SPRING WHEAT

LOCATION - WINCHESTER \*\*  
 MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	12	2.36	74.6	31	1.0	68	51	.	.	.	.	.	.	.	.	.
2 PACIFIC;HRS	5	2.77	76.0	33	2.0	89	51	.	.	.	.	.	.	.	.	.
3 GRANDIN;HRS-a	10	2.58	74.6	33	2.0	72	51	.	.	.	.	.	.	.	.	.
4 QUANTUM;HRS-a	2	3.33	76.2	37	2.5	69	48	.	.	.	.	.	.	.	.	.
5 ROBLIN;HRS	9	2.66	72.7	32	2.5	79	47	.	.	.	.	.	.	.	.	.
6 AC DOMAIN;HRS	7	2.70	73.9	31	2.8	80	51	.	.	.	.	.	.	.	.	.
7 AC BARRIE;HRS	13	2.12	75.8	34	2.0	86	52	.	.	.	.	.	.	.	.	.
8 AC WALTON;HRS	3	3.27	74.1	34	1.0	85	53	.	.	.	.	.	.	.	.	.
9 AC BRIO;HRS	8	2.67	75.2	37	1.0	87	51	.	.	.	.	.	.	.	.	.
10 MCKENZIE;HRS	4	2.96	76.6	30	3.3	83	50	.	.	.	.	.	.	.	.	.
11 AC TAHO;HRS	6	2.75	73.9	32	1.0	90	51	.	.	.	.	.	.	.	.	.
12 AC CORA;HRS	11	2.51	73.7	30	1.5	91	52	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND;HRS-a	1	3.50	75.7	39	1.0	88	52	.	.	.	.	.	.	.	.	.
MEANS		2.78	74.8	33	1.8	82	51	.	.	.	.	.	.	.	.	.

LOCATION - EMO \*\*  
 MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9	SRS 0-9	MDT *
	RK	T/HA														
1 CELTIC;HRS-a	.	.	68.6	31	.0	95	59	.	.	5.0	.	.	.	.	.	102
2 PACIFIC;HRS	.	.	74.8	32	3.0	110	59	.	.	6.0	.	.	.	.	.	105
3 GRANDIN;HRS-a	.	.	.	37	.0	93	59	.	.	5.0	.	.	.	.	.	102
4 QUANTUM;HRS-a	.	.	74.8	37	.0	94	56	.	.	6.0	.	.	.	.	.	102
5 ROBLIN;HRS	.	.	72.3	34	.0	97	56	.	.	6.0	.	.	.	.	.	102
6 AC DOMAIN;HRS	.	.	69.8	34	1.0	99	59	.	.	7.0	.	.	.	.	.	105
7 AC BARRIE;HRS	.	.	.	35	1.0	103	59	.	.	6.0	.	.	.	.	.	105
8 AC WALTON;HRS	.	.	64.8	31	.0	106	62	.	.	7.0	.	.	.	.	.	105
9 AC BRIO;HRS	.	.	69.8	38	.0	105	59	.	.	7.0	.	.	.	.	.	105
10 MCKENZIE;HRS	.	.	73.6	30	1.0	104	59	.	.	6.0	.	.	.	.	.	105
11 AC TAHO;HRS	.	.	67.3	33	1.0	108	59	.	.	6.0	.	.	.	.	.	105
12 AC CORA;HRS	.	.	68.6	32	2.0	111	59	.	.	6.0	.	.	.	.	.	105
13 AC DRUMMOND;HRS-a	.	.	74.8	39	2.0	122	62	.	.	7.0	.	.	.	.	.	105
MEANS		.	70.8	34	.8	104	59	.	.	6.1	.	.	.	.	.	104

\* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

\*\* WINCHESTER AND EMO ARE NOT OFFICIAL SITES. THE DATA ARE PRESENTED FOR INFORMATION ONLY AND ARE NOT PART OF ANY SUMMARY.

## WESTERN DURUM REGISTRATION TRIAL; SPRING DURUM WHEAT 1998

LOCATION - ELORA  
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD	SRS	MDT
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9	0-9	*
1 HERCULES	9	2.47	72.3	34	3.0	95	55	3.7	.	3.0	.	.	.	.	.	88
2 KYLE	13	1.62	66.1	30	2.3	92	59	4.7	.	1.7	.	.	.	.	.	93
3 AC MORSE	10	2.44	67.4	31	1.0	78	54	4.7	.	3.0	.	.	.	.	.	89
4 AC AVONLEA	4	2.84	68.6	32	2.3	82	55	3.7	.	2.7	.	.	.	.	.	91
5 DT494	6	2.77	71.1	39	1.7	87	59	4.3	.	1.0	.	.	.	.	.	93
6 DT671	1	3.08	73.0	35	4.7	88	56	4.3	.	1.7	.	.	.	.	.	91
7 DT673	12	1.93	69.9	33	1.3	73	56	4.3	.	2.3	.	.	.	.	.	91
8 DT675	11	2.06	69.9	29	1.7	68	54	4.3	.	3.0	.	.	.	.	.	86
9 DT498	3	2.89	71.1	36	.7	82	59	4.3	.	1.3	.	.	.	.	.	93
10 DT513	7	2.75	71.1	31	.7	88	60	3.0	.	1.7	.	.	.	.	.	93
11 DT514	8	2.74	76.1	37	1.3	88	57	4.0	.	1.3	.	.	.	.	.	90
12 DT678	2	3.01	73.6	44	1.7	85	59	4.3	.	1.0	.	.	.	.	.	93
13 DT486	5	2.79	71.1	42	.5	90	60	3.5	.	2.0	.	.	.	.	.	93
MEANS		2.57	70.9	35	1.8	84	57	4.1	.	2.0	.	.	.	.	.	91

\* DAYS FROM PLANTING  
A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

## \*ANALYSIS OF VARIANCE INFORMATION

TRAIT	MEAN	RDF	VDF	EDF	REPMS	VARMS	ERRMS	REPF	VARF	C.V.
YIELD	256	2	12	23	1172	5863	318	3.7	18.4	7.0

# CO-OPERATORS AND LOCATIONS OF PERFORMANCE TRIALS, 1998

Testing Area	County or District	Co-operators	Crops			
			Barley	Oats	Winter Wheat	Spring Wheat
I	Kent I	RN = Ridgetown C.A.T., Ridgetown, ON.			X	
	Lambton	ID = David MacKellar, R.R. #7, Alvinston (Ridgetown College.)			X	
	Essex	WE = Woodslee Research Centre, Agriculture & Agri-Food Canada			X	
II & IV	Oxford	WK = Crop Science Department, OAC, Woodstock, ON.	X	X		X
	Huron I	WP = W.G. Thompson and Sons Ltd., Winthrop, ON	X	X		
	Huron II	Centralia, Ontario (Ridgetown College)	X	X		X
	Wellington I	EA = Crop Science Department, OAC, Elora, ON.			X	X
	Wellington	HN = C & M Seeds Inc., Palmerston, ON			X	
	Middlesex I	NN = W.G. Thompson & Sons Ltd., Nairn, ON.	X	X		
	Perth	Alex Connell, R.R. #3, Palmerston, ON				
III	Grenville	KE = Kemptville College, Kemptville, ON.	X	X	X*	X
	Carleton I	01 = Agriculture & Agri-Food Canada, P.R.C., Ottawa, ON.	X	X	X	X
	Stormont, Dundas & Glengarry	WR = Kemptville College, Winchester Research Sta., Winchester ON	X**	X**		X**
V & VI	Temiskaming	NL = New Liskeard Agricultural Research Station, New Liskeard, ON.	X	X		X
	Thunder Bay	Thunder Bay Agricultural Research Station, Thunder Bay, ON	X	X		
	Nipissing District	Verner Test Site, Verner, Ont. (New Liskeard Agr. Res. Sta.)	X**	X**		X**
	Rainy River	EO = Emo Agricultural Research Station, Emo, ON				
	Cochrane	Agriculture & Agri-Food Canada, Exp. Farm, Kapuskasing, ON	X**	X**		X**

\* All data unreliable, not included in the report

\*\* Unofficial site, data presented for information ONLY

