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1999 Progress Report

BARLEY, OATS, AND WHEAT

Ontario Performance Trials



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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

The Performance Trials of spring barley, oats, spring wheat and winter wheat are conducted by the Ontario Cereal Crop Committee 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 a significant acreage of spring cereals.

Spring Barley. Barley planting and harvest were generally early and quality was good. Mildew was very light in most areas, with some rust reported. Some cereal leaf beetle affected a few sites. Yields were generally average or below.

Oats. Oats were generally affected a little more by the low rainfall than barley. Some areas had moderate crown rust; very little BYDV was reported. Yields of most varieties were generally average. Quality of the grain was generally good with little weathering due to dry harvesting conditions.

Spring Wheat. Yield data were obtained from seven locations in 1999, three from Area II, three from Area III and one from Area V. The overall average yield for Area II was 3.77 t/ha, for Area III it was 3.89 t/ha and in Area V, New Liskeard, the only location growing the trial, reported an average yield of 4.96 t/ha.

Spring Durum Wheat. There were no durum wheats tested in the Ontario Performance Trial this past year. Data for the 1999 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 with little disease during the growing season. Yields were generally good, with harvest much earlier than normal.

Fall Wheat. There were thirty-one entries planted at ten locations across the Province, during the 1998-99 growing season. Of these entries thirteen were soft white, eight were soft red, eight were hard red and one was a hard white. Due to severe spring erosion of the trial site at Kemptville only nine out of the ten trials planted reported data. The overall average yield in Area I was 5.96 t/ha, in Area II it was 5.75 t/ha and the overall provincial average was 5.70 t/ha. The only Area III location reporting data was Ottawa where the average yield was 4.70 t/ha.

GROWING CONDITIONS

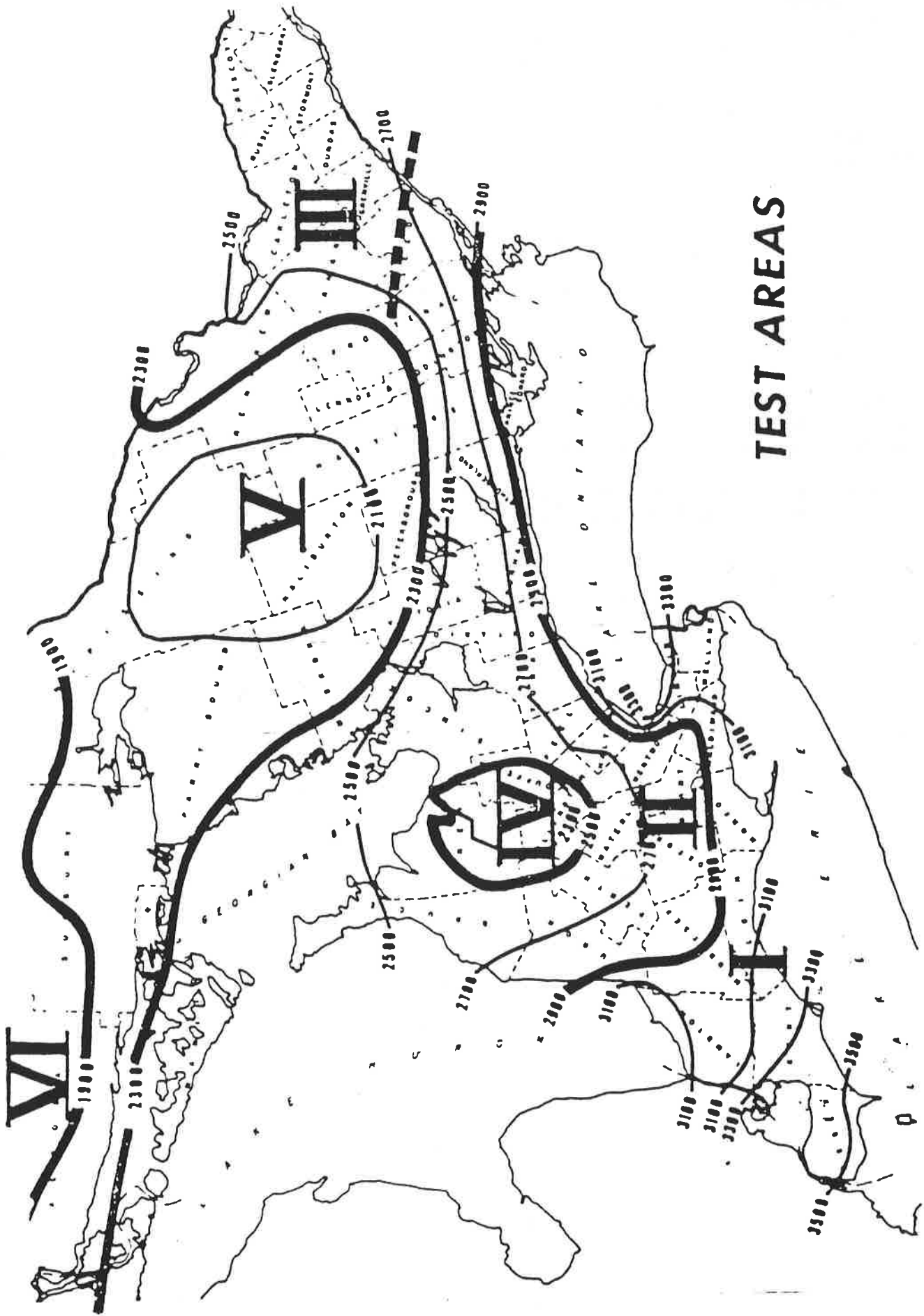
Spring came early to most of Ontario with planting beginning well ahead of normal in most areas. It was warm and relatively dry through most of the summer in most of the province. Everything was early; planting, heading, harvest. Thunderstorms provided most of the moisture throughout the growing season. 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 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 1999 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. This information is also available on the internet at: <http://www.oac.uoguelph.ca/www/CRSC/occc/occc.htm>

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, 1999

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 Meadowbrooks Farms, PEI.
- AC Sirius - a two-rowed barley developed by AAFC from the cross AB53-4/Rodeo//OB440/Rodeo. Registered in 1993. Distributed by Belcan AgroCentre.
- 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).
- 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)
- CM95513 - a two-rowed barley developed by C & M Seeds. Complex cross from European parentage. Supported by OCCC for registration in 1999.
- OBA166-8 - a two-rowed barley developed by AAFC-ECORC, Charlottetown from the cross Mimai 114/Rodeo. Supported by OCCC for registration in 1999.
- T203-049 - a two-rowed barley developed by W.G. Thompsons & Sons Ltd. from the cross AB97-3/T21-59. Supported by OCCC for registration in 1998.
- T123-172 - a two-rowed barley developed by W.G. Thompsons & Sons Ltd. from the cross Lester/TBM34-2. Supported by OCCC for registration in 1998.
- T125-053 - a two-rowed barley developed by W.G. Thompsons & Sons Ltd. from the cross Lester/Albany. Supported by OCCC for registration in 1998.

- AB 168-11 n - a two-rowed hulless barley developed by AAFC, Charlottetown from the cross Mimai 114/Rodeo/2/Rodeo. Supported by OCCC for registration in 1998.
- AB 168-13 n - a two rowed hulless barley developed by AAFC, Charlottetown from the cross Mimai 114/Rodeo/2/Rodeo. Supported by OCCC for registration in 1999.
- 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 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.
- AC Westech - a six-rowed barley developed by AAFC, Charlottetown from the cross 82RCBB.13/Etienne, distributed by Belcan. Registered in 1996.
- 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 C & M Seeds/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
- 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 from the cross P885-4/P854-35 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)
- CMB936588 - a six-rowed barley developed by OMAFRA/University of Guelph from the cross Chapais [male sterile]/OAC Kippen/Leger, distributed by C & M Seeds. Supported by OCCC for registration in 1998.

- CMB966047 - a six-rowed barley developed by University of Guelph, male sterile/GB896173. Supported by OCCC for registration in 1999.
- CMB966077 - a six-rowed barley developed by University of Guelph, bulk of crosses with male sterile GB906059. Supported by OCCC for registration in 1999.
- CM862.6 - a six-rowed barley developed by Laval University, Cadette/ACCA. Supported by OCCC for registration in 1999, tested by C & M Seeds.
- C226-007 - a six-rowed barley developed by W.G. Thompson & Sons Ltd. from the cross TBC51-89/GB8901. Supported by OCCC for registration in 1998.
- C231-041 - a six-rowed barley developed by W.G. Thompson & Sons Ltd. from the cross AC Burman/GB8901. Supported by OCCC for registration in 1998.
- C225-001 - a six-rowed barley developed by W.G. Thompsons & Sons from the cross TBC51-89/AB99-13. Supported by OCCC for registration in 1998.
- C229-004 - a six-rowed barley developed by W.G. Thompsons & Sons from the cross Sandrine/TBC51-89. Supported by OCCC for registration in 1998.
- GB936942 - a six-rowed barley developed by OMAFRA/University of Guelph from the cross Bruce [male sterile]/TBC891-6. Supported by OCCC for registration in 1998.
- OBS4065-125 - a six-rowed barley developed by AAFC - ECORC from the cross Chapais/CIMMYT6. Supported by OCCC for registration in 1999.
- OBS4181-43 - a six-rowed barley developed by AAFC-ECORC from the cross K6-6/OAC Kippen. Supported by OCCC for registration in 1999.
- OBS4347-23 - a six-rowed barley developed by AAFC-ECORC from the cross Chapais/OB942-1. Supported by OCCC for registration in 1999.

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1999

Cultivar	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	4.73	19	4.40	20	5.02	19	4.72	4214	87.8
AC Parkhill	5.09	6	4.67	6	5.16	13	5.00	4468	93.1
AC Queens	3.92	37	3.89	36	4.16	32	3.97	3549	73.9
AC Sirius	-	-	4.31	25	4.74	25	-	-	-
AC Sterling	4.78	16	4.27	27	4.91	22	4.69	4185	87.2
Almonte	4.33	32	4.71	4	4.89	23	4.56	4074	84.9
Belmore	4.70	21	4.58	9	5.22	12	4.80	4287	89.3
Formosa	5.00	12	-	-	-	-	-	-	-
Morrison	4.86	14	4.50	14	4.55	30	4.69	4189	87.3
Sunderland	5.05 ¹	8	4.72	3	5.04	18	4.97 ²	4438 ²	92.4 ²
Viking	4.55	25	-	-	-	-	-	-	-
CM95513	4.73	18	4.26	30	3.95	34	4.42	3943	82.1
OBA166-8	4.76	17	4.44	17	3.81	36	4.44	3967	82.6
T203-049	4.50	27	4.30	26	3.79	38	4.28	3818	79.6
T123-172 ³	-	-	-	-	-	-	-	-	-
T125-053	5.18	4	4.42	19	5.37	8	5.04	4496	93.7
AB168-11 n	4.22	33	3.44	39	3.87	35	3.94	3516	73.2
AB168-13 n	4.00 ⁴	35	3.39	40	- ⁵	-	-	-	-
AC Alma	4.83	15	4.42	18	4.70	27	4.70	4192	87.3
AC Hamilton	5.00	11	4.44	16	4.62	29	4.77	4256	88.7
AC Legend	4.47	30	4.98	2	4.73	26	4.66	4163	86.7
AC Stephen	5.01	10	4.14	33	5.02	20	4.79	4279	89.1
AC Westech	3.93	36	4.07	34	3.66	39	3.90	3482	72.6
ACCA	4.70	20	4.40	21	5.10	16	4.73	4220	87.9
Brucefield	5.67	1	4.53	12	5.84	3	5.43	4844	100.9
Chapais	5.28	3	4.51	13	5.76	4	5.21	4652	96.9
Foster	-	-	4.26	28	5.66	6	-	-	-
Grant	5.10	5	4.47	15	5.12	14	4.95	4417	92.0
Leger	-	-	-	-	5.51	7	-	-	-
Myriam	-	-	4.68	5	5.26	9	-	-	-
OAC Kippen	4.49	28	3.98	35	-	-	-	-	-
Sandrine	-	-	4.55	10	5.69	5	-	-	-
CMB936588	5.06	7	4.37	22	5.06	17	4.89	4365	90.9
CMB966074	4.94	13	4.54	11	5.98	2	5.10	4555	94.9
CMB966077	4.45	31	3.77	38	4.69	28	4.34	3873	80.7
CM862.6	4.70	22	4.60	8	5.23	10	4.81	4291	89.4
C226-007	4.60	24	3.88	37	4.04	33	4.28	3820	79.6
C231-041	4.12	34	4.26	29	5.12	15	4.40	3930	81.9
C225-001	4.48	29	4.15	32	5.23	11	4.58	4093	85.3
C229-004	4.53	26	4.21	31	6.12	1	4.85	4327	90.2
CB936942	4.63	23	4.33	23	4.51	31	4.52	4040	84.2
OBS4065-125	3.88	38	4.99	1	3.81	37	4.14	3696	77.0
OBS4181-43	5.38	2	4.32	24	4.95	21	5.01	4474	93.2
OBS4347.23	5.03	9	4.64	7	4.77	24	4.85	4332	90.3
Mean	4.70	-	4.34	-	4.89	-	4.66	4159	86.7

*See attached map; ** No. of locations; *** Weighted average; ¹NO DATA FROM ELORA LOCATION DUE TO A PLANTING MISTAKE - 3 LOCATIONS ONLY - AVERAGE CALCULATED USING MISSING PLOT FOR ELORA; ²NO DATA FROM ELORA LOCATION DUE TO A PLANTING MISTAKE - 7 LOCATIONS ONLY; ³DATA NOT REPORTED ALL LOCATIONS DUE TO POOR GERMINATION; ⁴NO DATA FROM CENTRALIA DUE TO LATE ARRIVAL OF SEED AT PLANTING TIME - 3 LOCATIONS ONLY; ⁵NO DATA FROM THIS AREA DUE TO THE SPONSOR BEING UNABLE TO PROVIDE SEED FOR TESTING PURPOSES

BARLEY
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1999

Cultivar	II & IV	III	V & VI	PROVINCE
AC Kings	101	101	103	101
AC Parkhill	108	108	106	107
AC Queens	83	90	85	85
AC Sirius	-	99	97	-
AC Sterling	102	98	100	101
Almonte	91	108	100	98
Belmore	100	106	107	103
Formosa	106	-	-	-
Morrison	103	104	93	101
Sunderland	107	109	103	106
Viking	97	-	-	-
CM95513	101	98	81	95
OBA166-8	101	102	78	95
T203-049	96	99	78	92
T123-172	-	-	-	-
T125-053	110	102	110	108
AB168-11 n	90	79	79	84
AB168-13 n	85	78	-	-
AC Alma	103	102	96	101
AC Hamilton	106	102	95	102
AC Legend	95	115	97	100
AC Stephen	107	95	103	103
AC Westech	84	94	75	84
ACCA	100	101	104	101
Brucefield	121	104	119	116
Chapais	112	104	118	112
Foster	-	98	116	-
Grant	108	103	105	106
Leger	-	-	113	-
Myriam	-	108	108	-
OAC Kippen	96	92	-	-
Sandrine	-	105	116	-
CMB936588	108	101	103	105
CMB966074	105	105	122	109
CMB966077	95	87	96	93
CM862.6	100	106	107	103
C226-007	98	89	83	92
C231-041	88	98	105	94
C225-001	95	96	107	98
C229-004	96	97	125	104
GB936942	98	100	92	97
OBS4065-125	83	115	78	89
OBS4181-43	115	100	101	108
OBS4347.23	107	107	97	104
Mean yield t/ha	4.70	4.34	4.89	4.66

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1998-99

Cultivar	II & IV(8)**		III(4)		V & VI (4)		PROVINCE***(16)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Kings	3.83	20	3.66	15	5.18	13	4.13	3683	76.7
AC Parkhill	4.15	6	3.58	17	-	-	-	-	-
AC Queens	3.40	24	3.31	25	4.57	22	3.67	3274	68.2
AC Sirius	-	-	3.15	26	4.87	19	-	-	-
AC Sterling	3.92	14	3.50	18	4.83	20	4.04	3610	75.2
Almonte	3.67	23	3.71	14	-	-	-	-	-
Belmore	3.91	15	3.40	23	5.22	12	4.11	3669	76.4
Formosa	4.09	10	-	-	-	-	-	-	-
Morrison	3.96	13	3.50	18	4.95	16	4.09	3653	76.1
Sunderland	4.13 ¹	8	3.47	21	5.31	10	4.26 ²	3803 ²	79.2 ²
Viking	3.82	21	-	-	-	-	-	-	-
T203-049	3.89	16	3.43	22	4.49	24	3.93	3506	73.0
AB168-11 n	3.22	25	3.12	27	3.56	25	3.28	2929	61.0
AC Alma	4.02	12	3.86	9	4.94	17	4.21	3759	78.3
AC Hamilton	4.24	4	3.82	12	4.50	23	4.20	3750	78.1
AC Legend	3.86	18	4.10	1	5.12	14	4.23	3780	78.8
AC Stephen	4.15	6	3.61	16	5.10	15	4.25	3796	79.1
ACCA	4.12	9	3.87	8	5.68	4	4.45	3973	82.8
Brucefield	4.60	1	3.93	6	5.86	1	4.75	4239	88.3
Chapais	4.37	2	3.85	10	5.80	2	4.60	4104	85.5
Foster	-	-	3.74	13	5.48	8	-	-	-
Grant	4.19	5	4.10	1	5.41	9	4.47	3995	83.2
Leger	-	-	-	-	5.56	5	-	-	-
Myriam	-	-	3.96	5	5.56	5	-	-	-
OAC Kippen	3.87	17	3.49	20	-	-	-	-	-
Sandrine	-	-	4.07	3	5.78	3	-	-	-
CMB936588	4.29	3	3.89	7	5.29	11	4.44	3963	82.6
C226-007	4.09	10	3.35	24	4.70	21	4.06	3626	75.5
C231-041	3.81	22	3.99	4	5.52	7	4.28	3823	79.7
GB936942	3.84	18	3.84	11	4.93	18	4.11	3672	76.5
Mean	3.98	-	3.68	-	5.13	-	4.18	3732	77.8

* See attached map

** No. of locations

*** Weighted average

n hulless barley

¹ NO 1999 DATA FROM ELORA - 7 LOCATIONS ONLY² NO DATA FROM ELORA - 15 LOCATIONS ONLY

BARLEY
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1998-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Kings	96	100	101	99
AC Parkhill	104	97	-	-
AC Queens	85	90	89	88
AC Sirius	-	86	95	-
AC Sterling	99	95	94	97
Almonte	92	101	-	-
Belmore	98	92	102	98
Formosa	103	-	-	-
Morrison	99	95	97	98
Sunderland	104	94	103	102
Viking	96	-	-	-
T203-049	98	93	88	94
AB168-11 n	81	85	69	78
AC Alma	101	105	96	101
AC Hamilton	107	104	88	100
AC Legend	97	111	100	101
AC Stephen	104	98	99	102
ACCA	104	105	111	106
Brucefield	116	107	114	114
Chapais	110	105	113	110
Foster	-	102	107	-
Grant	105	111	106	107
Leger	-	-	108	-
Myriam	-	108	108	-
OAC Kippen	97	95	-	-
Sandrine	-	111	113	-
CMB936588	108	106	103	106
C226-007	103	91	92	97
C231-041	96	109	108	102
GB936942	96	104	96	98
Mean yield t/ha	3.98	3.68	5.13	4.18

n hulless barley

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1997-99

Cultivar	II & IV(12)**		III(5)		V & VI(6)		PROVINCE***(23)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Kings	3.92	10	3.48	10	5.53	12	4.24	3790	78.9
AC Queens	3.55	15	3.16	17	5.14	17	3.88	3465	72.2
AC Sirius	-	-	2.96	18	5.30	15	-	-	-
AC Sterling	3.91	11	3.28	13	5.07	18	4.07	3637	75.8
Belmore	3.93	9	3.18	16	5.55	11	4.19	3741	77.9
Formosa	4.06	5	-	-	-	-	-	-	-
Morrison	3.95	8	3.30	12	5.35	13	4.18	3729	77.7
Sunderland	4.08 ¹	4	3.26	15	5.77	9	4.34 ²	3878 ²	80.8 ²
Viking	3.77	14	-	-	-	-	-	-	-
AC Alma	3.82	13	3.58	5	5.34	14	4.17	3720	77.5
AC Hamilton	4.00	6	3.56	7	5.25	16	4.23	3774	78.6
AC Stephen	3.99	7	3.40	11	5.61	10	4.29	3827	79.7
ACCA	-	-	3.51	9	6.07	3	-	-	-
Brucefield	4.36	1	3.64	3	6.25	2	4.70	4193	87.4
Chapais	4.26	2	3.58	5	6.02	5	4.57	4083	85.1
Foster	-	-	3.54	8	5.84	8	-	-	-
Grant	4.13	3	3.77	2	5.88	7	4.51	4026	83.9
Leger	-	-	-	-	6.07	3	-	-	-
Myriam	-	-	3.65	4	5.92	6	-	-	-
OAC Kippen	3.85	12	3.27	14	-	-	-	-	-
Sandrine	-	-	3.87	1	6.29	1	-	-	-
Mean	3.97	-	3.44	-	5.68	-	4.28	3819	79.6

* See attached map; ** No. of locations; *** Weighted average; ¹ NO 1999 DATA FROM ELORA - 11 LOCATIONS ONLY; ² NO 1999 DATA FROM ELORA - 22 LOCATIONS ONLY

BARLEY
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1997-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Kings	99	101	97	99
AC Queens	90	92	90	91
AC Sirius	-	86	93	-
AC Sterling	98	95	89	95
Belmore	99	92	98	98
Formosa	102	-	-	-
Morrison	100	96	94	98
Sunderland	103	95	102	101
Viking	95	-	-	-
AC Alma	96	104	94	97
AC Hamilton	101	104	92	99
AC Stephen	101	99	99	100
ACCA	-	102	107	-
Brucefield	110	106	110	110
Chapais	107	104	106	107
Foster	-	103	103	-
Grant	104	110	103	105
Leger	-	-	107	-
Myriam	-	106	104	-
OAC Kippen	97	95	-	-
Sandrine	-	113	111	-
Mean yield t/ha	3.97	3.44	5.68	4.28

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1996-99

Cultivar	II & IV(14)**		III(6)		V & VI(8)		PROVINCE***(28)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Sirius	-	-	3.04	12	5.45	11	-	-	-
AC Sterling	3.95	10	3.50	9	5.25	12	4.23	3773	78.6
Belmore	4.07	6	3.44	11	5.62	8	4.38	3909	81.4
Morrison	4.06	7	3.66	8	5.56	9	4.41	3934	82.0
Sunderland	4.27 ¹	2	-	-	-	-	-	-	-
Viking	4.00	8	-	-	-	-	-	-	-
AC Alma	4.13	5	3.79	6	5.74	6	4.52	4033	84.0
AC Hamilton	4.20	3	3.89	3	5.53	10	4.51	4030	84.0
AC Stephen	4.19	4	3.77	7	5.71	7	4.53	4048	84.3
ACCA	-	-	3.84	5	6.12	4	-	-	-
Chapais	4.53	1	3.86	4	6.13	3	4.84	4324	90.1
Leger	-	-	-	-	6.16	2	-	-	-
Myriam	-	-	3.94	2	6.07	5	-	-	-
OAC Kippen	3.96	9	3.48	10	-	-	-	-	-
Sandrine	-	-	4.08	1	6.26	1	-	-	-
Mean	4.14	-	3.69	-	5.79	-	4.49	4009	83.5

* See attached map

** No. of locations

*** Weighted average

¹ NO DATA FROM ELORA - 13 LOCATIONS ONLY

BARLEY
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1996-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Sirius	-	82	94	-
AC Sterling	96	95	91	94
Belmore	98	93	97	98
Morrison	98	99	96	98
Sunderland	103	-	-	-
Viking	97	-	-	-
AC Alma	100	103	99	101
AC Hamilton	101	105	96	101
AC Stephen	101	102	99	101
ACCA	-	104	106	-
Chapais	109	105	106	108
Leger	-	-	106	-
Myriam	-	107	105	-
OAC Kippen	96	94	-	-
Sandrine	-	111	108	-
Mean yield t/ha	4.14	3.69	5.79	4.49

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1995-99

Cultivar	II & IV(19)**		III(8)		V & VI(13)		PROVINCE***(40)		
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a	bu/a
AC Sterling	4.04	7	3.32	10	4.69	10	4.11	3667	76.4
Belmore	4.10	5	3.44	9	4.96	9	4.25	3791	79.0
Morrison	4.07	6	3.61	6	5.07	8	4.30	3840	80.0
Viking	3.98	9	-	-	-	-	-	-	-
AC Alma	4.21	3	3.61	6	5.14	7	4.39	3928	81.7
AC Hamilton	4.19	4	3.71	5	5.16	6	4.41	3937	82.0
AC Stephen	4.24	2	3.76	3	5.17	5	4.45	3969	82.7
Chapais	4.52	1	3.74	4	5.47	3	4.67	4173	86.9
Leger	-	-	-	-	5.51	2	-	-	-
Myriam	-	-	3.88	2	5.27	4	-	-	-
OAC Kippen	4.00	8	3.47	8	-	-	-	-	-
Sandrine	-	-	3.89	1	5.60	1	-	-	-
Mean	4.15	-	3.64	-	5.20	-	4.36	3891	81.1

*See attached map

** No. of locations

*** Weighted average

BARLEY
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1995-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Sterling	97	91	90	94
Belmore	99	95	95	97
Morrison	98	99	98	99
Viking	96	-	-	-
AC Alma	101	99	99	101
AC Hamilton	101	102	99	101
AC Stephen	102	103	99	102
Chapais	109	103	105	107
Leger	-	-	106	-
Myriam	-	106	101	-
OAC Kippen	97	95	-	-
Sandrine	-	107	108	-
Mean yield t/ha	4.15	3.64	5.20	4.36

**TESTING AREA II & IV
BARLEY
AGRONOMIC DATA, 1999**

Cultivar	Yield t/ha (4)*	wt/ht kg (3)	Kernel Weight g/1000 (3)	Height cm (4)	Lodging 0-9 (3)	Maturity ^a days (1)	Mildew 0-9 (4)	Leaf Rust 0-9 (1)	Scald 0-9 (1)
AC Kings	4.73	63.3	49.3	85	2.1	91	3.3	8.0	3.5
AC Parkhill	5.09	64.5	45.7	74	2.3	88	1.1	8.0	5.0
AC Queens	3.92	61.7	45.6	79	4.0	89	4.4	6.0	4.0
AC Sterling	4.78	64.5	45.3	78	1.9	91	0.6	5.0	4.5
Almonte	4.33	64.3	44.7	74	3.1	88	4.1	8.0	3.5
Belmore	4.70	64.9	44.9	71	2.9	89	4.5	5.0	3.5
Formosa	5.00	62.1	46.6	70	2.8	87	0.0	0.0	4.5
Morrison	4.86	66.4	45.3	74	2.8	88	0.1	8.0	4.0
Sunderland ¹	5.05 ²	63.4 ³	45.7 ³	73 ²	3.3 ³	- ¹	0.0 ²	- ¹	3.5
Viking	4.55	63.7	47.4	74	2.8	89	0.0	4.0	3.5
CM95513	4.73	62.0	46.2	69	1.8	88	0.0	5.0	4.0
OBA166-8	4.76	62.4	44.1	80	2.4	90	0.0	4.0	3.0
T203-049	4.50	63.3	41.7	73	1.9	89	3.0	8.0	5.0
T123-172 ⁴	-	63.4 ⁵	43.3 ⁵	75 ⁶	0.4 ⁵	- ⁷	0.4	8.0	3.5
T125-053	5.18	64.8	45.0	72	2.1	88	0.1	7.0	4.0
AB168-11 n	4.22	68.8	42.3	75	1.8	87	0.6	7.0	4.0
AB168-13 n	4.00 ⁸	71.3 ⁹	39.5 ⁹	78 ⁸	1.9	90	0.0 ⁸	7.0	3.5
AC Alma	4.83	57.4	43.8	81	0.4	88	4.0	7.0	3.5
AC Hamilton	5.00	58.2	40.3	85	1.3	89	4.5	7.0	2.5
AC Legend	4.47	59.9	43.4	74	1.3	87	6.4	6.0	4.0
AC Stephen	5.01	60.9	38.7	84	1.4	88	3.1	8.0	3.5
AC Westech	3.93	56.8	36.8	79	1.0	90	2.1	8.0	4.0
ACCA	4.70	59.6	40.1	79	1.7	88	2.1	8.0	4.0
Brucefield	5.67	61.3	42.1	77	1.1	90	0.6	8.0	3.5
Chapais	5.28	56.5	42.4	76	0.7	86	3.6	7.0	3.0
Grant	5.10	60.1	42.4	85	2.4	90	0.3	8.0	4.0
OAC Kippen	4.49	62.5	41.0	86	4.0	89	3.5	7.0	4.5
CMB936588	5.06	60.7	42.0	85	0.7	89	0.0	6.0	3.5
CMB966074	4.94	58.8	44.0	79	1.3	89	4.0	5.0	4.5
CMB966077	4.45	62.6	39.7	78	1.0	87	3.6	4.0	4.0
CM862.6	4.70	56.5	39.7	77	1.2	91	2.0	8.0	3.0
C226-007	4.60	58.4	40.1	79	0.0	87	0.0	6.0	4.5
C231-041	4.12	58.2	38.5	84	1.5	88	4.8	8.0	3.0
C225-001	4.48	61.4	39.7	86	2.1	89	3.6	8.0	3.0
C229-004	4.53	62.5	37.7	79	2.7	87	4.1	5.0	3.5
GB936942	4.63	60.9	37.9	80	0.2	88	0.0	5.0	3.0
OBS4065-125	3.88	57.3	37.4	69	0.8	87	5.0	5.0	3.0
OBS4181-43	5.38	58.1	41.3	70	0.8	86	0.0	6.0	3.0
OS4347-23	5.03	57.4	42.2	75	1.3	88	3.8	6.0	3.0

^a no. of days from seeding to maturity; * no. of locations; n = hulless barley ¹NO DATA FOR THIS CULTIVAR AT ELORA DUE TO A MISTAKE AT PLANTING TIME; ² NO ELORA DATA - 3 LOCATIONS ONLY; ³ NO ELORA DATA - 2 LOCATIONS ONLY; ⁴ YIELD DATA NOT REPORTED ALL LOCATIONS DUE TO POOR GERMINATION; ⁵ ELORA DATA NOT REPORTED DUE TO POOR GERMINATION - 2 LOCATIONS ONLY; ⁶ ELORA DATA NOT REPORTED DUE TO POOR GERMINATION - 3 LOCATIONS ONLY; ⁷ ELORA DATA NOT REPORTED DUE TO POOR GERMINATION; ⁸ NO DATA FROM CENTRALIA DUE TO LATE ARRIVAL OF SEED AT PLANTING TIME - 3 LOCATIONS ONLY; ⁹ NO DATA FROM CENTRALIA DUE TO LATE ARRIVAL OF SEED AT PLANTING TIME - 2 LOCATIONS ONLY

**TESTING AREA II & IV
BARLEY
AGRONOMIC DATA, 1998-99**

Cultivar	Yield t/ha (8)*	wt/hl kg (7)	Kernel Weight g/1000 (7)	Height cm (8)	Lodging 0-9 (5)	Maturity ^a days (4)	Mildew 0-9 (7)	Leaf Rust 0-9 (2)
AC Kings	3.83	60.8	44.6	82	1.6	89	2.9	8.0
AC Parkhill	4.15	61.1	42.0	71	1.8	86	0.6	8.3
AC Queens	3.40	60.6	43.6	78	3.3	89	4.9	6.0
AC Sterling	3.92	61.4	41.2	77	1.5	90	0.3	6.5
Almonte	3.67	61.0	39.4	73	2.3	87	4.1	7.8
Belmore	3.91	61.5	41.4	71	2.2	87	3.9	5.8
Formosa	4.09	60.1	42.2	69	2.1	86	0.0	1.0
Morrison	3.96	63.3	41.0	72	2.0	87	0.1	7.3
Sunderland	4.13 ¹	60.7 ²	40.9 ²	72 ¹	2.3 ³	86 ⁴	0.0 ²	8.0 ⁴
Viking	3.82	62.0	42.6	72	2.1	88	0.0	5.0
T203-049	3.89	60.6	39.0	74	1.5	86	2.7	7.8
AB168-11 n	3.22	63.5	39.1	73	1.3	88	0.3	7.5
AC Alma	4.02	54.4	40.4	75	0.9	87	4.1	7.3
AC Hamilton	4.24	55.4	37.0	81	1.5	87	4.9	7.6
AC Legend	3.86	55.5	38.1	71	1.1	86	5.9	6.5
AC Stephen	4.15	57.7	36.2	79	1.8	86	3.8	7.3
ACCA	4.12	57.7	37.0	75	1.6	88	2.6	8.0
Brucefield	4.60	57.4	38.4	75	1.0	88	0.7	6.8
Chapais	4.37	55.9	40.2	73	0.8	85	3.6	7.0
Grant	4.19	57.8	38.3	84	2.2	89	0.5	7.5
OAC Kippen	3.87	59.9	37.0	84	2.8	88	3.4	7.0
CMB936588	4.29	58.9	39.5	84	0.8	87	0.5	6.0
C226-007	4.09	57.1	37.8	76	0.8	85	0.1	6.3
C231-041	3.81	55.6	34.6	81	1.3	87	5.0	7.8
GB936942	3.84	58.0	33.7	77	0.4	87	0.3	6.5

^a no. of days from seeding to maturity

* no. of locations

n hulless barley

¹NO 1999 DATA FROM ELORA - 7 LOCATIONS ONLY

²NO 1999 DATA FROM ELORA - 6 LOCATIONS ONLY

³NO 1999 DATA FROM ELORA - 4 LOCATIONS

⁴1998 DATA ONLY - 1 LOCATION

**TESTING AREA II & IV
BARLEY
AGRONOMIC DATA, 1997-99**

Cultivar	Yield t/ha (12)*	wt/hl kg (11)	Kernel Weight g/1000 (11)	Height cm (12)	Lodging 0-9** (5)	Maturity ^a days (7)	Mildew 0-9 (8)	Leaf Rust 0-9** (2)
AC Kings	3.92	61.8	46.4	82	1.6	92	2.1	8.0
AC Queens	3.55	62.2	46.6	78	3.3	92	2.9	6.0
AC Sterling	3.91	62.7	44.1	75	1.5	93	0.3	6.5
Belmore	3.93	63.1	43.9	70	2.2	90	2.6	5.8
Formosa	4.06	62.1	44.4	68	2.1	91	0.0	1.0
Morrison	3.95	64.2	43.1	71	2.0	91	0.1	7.3
Sunderland	4.08 ¹	62.2 ²	43.4 ²	71 ¹	2.3 ³	90 ⁴	0.0 ⁵	8.0 ⁶
Viking	3.77	63.1	45.0	72	2.1	92	0.0	5.0
AC Alma	3.82	55.1	42.1	76	0.9	91	3.2	7.3
AC Hamilton	4.00	55.7	38.8	80	1.5	90	3.2	7.5
AC Stephen	3.99	59.0	37.8	79	1.8	89	2.5	7.3
Brucefield	4.36	58.3	39.7	74	1.0	91	0.6	6.8
Chapais	4.26	57.7	41.9	72	0.8	88	2.6	7.0
Grant	4.13	57.9	40.2	84	2.2	92	0.2	7.5
OAC Kippen	3.85	60.6	37.7	82	2.8	90	2.5	7.0

^a no. of days from seeding to maturity

* no. of locations

**1998-99 data ONLY

¹NO 1999 ELORA DATA - 11 LOCATIONS ONLY

²NO 1999 ELORA DATA - 10 LOCATIONS ONLY

³NO 1999 ELORA DATA - 4 LOCATIONS ONLY

⁴NO 1999 ELORA DATA - 1997-98 DATA, 6 LOCATIONS

⁵NO 1999 ELORA DATA - 7 LOCATIONS ONLY

⁶NO 1999 ELORA DATA - 1998 DATA, 1 LOCATION

**TESTING AREA II & IV
BARLEY
AGRONOMIC DATA, 1996-99**

Cultivar	Yield t/ha (14)*	wt/hl kg (13)	Kernel Weight g/1000 (13)	Height cm (14)	Lodging 0-9** (7)	Maturity ^a days (9)	Mildew 0-9 (9)	Leaf Rust 0-9** (3)
AC Sterling	3.95	62.8	44.4	78	1.9	93	0.3	6.2
Belmore	4.07	63.5	44.0	72	2.0	90	3.0	6.0
Morrison	4.06	64.1	43.7	73	2.3	91	0.1	7.2
Sunderland	4.27 ¹	63.1 ²	44.4 ²	74 ¹	2.1 ³	90 ⁴	0.3 ⁴	7.8 ⁵
Viking	4.00	63.9	45.2	74	2.6	92	0.0	4.8
AC Alma	4.13	56.2	42.4	79	1.0	91	3.7	7.3
AC Hamilton	4.20	56.5	39.4	83	2.5	90	3.7	7.7
AC Stephen	4.19	59.6	38.5	82	2.3	89	3.0	7.0
Chapais	4.53	58.5	43.1	75	1.8	89	3.0	7.0
OAC Kippen	3.96	61.5	38.0	84	3.7	90	2.6	6.0

^a no. of days from seeding to maturity

* no. of locations

** 1996, 1998-99 data ONLY

¹ NO 1999 ELORA DATA - 13 LOCATIONS ONLY

² NO 1999 ELORA DATA - 12 LOCATIONS ONLY

³ NO 1999 ELORA DATA - 6 LOCATIONS ONLY

⁴ NO 1999 ELORA DATA - 8 LOCATIONS ONLY

⁵ NO 1999 ELORA DATA - 2 LOCATIONS ONLY

AGRONOMIC DATA, 1995-99

Cultivar	Yield t/ha (19)*	wt/hl kg (18)	Kernel Weight g/1000 (18)	Height cm (19)	Lodging 0-9** (12)	Maturity ^a days (12)	Mildew 0-9 (12)	Leaf Rust 0-9** (5)
AC Sterling	4.04	62.5	44.0	78	2.0	91	0.2	4.7
Belmore	4.10	63.3	43.5	73	2.0	88	3.2	4.6
Morrison	4.07	63.6	43.2	74	2.8	89	0.1	5.5
Viking	3.98	63.5	45.1	75	2.8	90	0.0	3.7
AC Alma	4.21	55.7	41.4	79	1.3	89	3.8	6.7
AC Hamilton	4.19	56.2	39.5	83	2.4	89	3.9	6.8
AC Stephen	4.24	59.2	38.1	82	2.1	87	3.3	5.2
Chapais	4.52	58.1	43.3	75	2.1	87	3.0	5.6
OAC Kippen	4.00	60.8	37.6	85	3.8	88	3.2	5.1

^a no. of days from seeding to maturity

* no. of locations

** 1995-96, 1998-99 DATA ONLY

TESTING AREA II & IV
BARLEY
Yield data for 1999

Cultivar	Huron I	Huron II	Wellington I	Perth	Average			
					t/ha	Rank	lbs/a	bu/a
AC Kings	4781	3928	4735	5457	4.73	19	4219	87.9
AC Parkhill	4955	4344	5439	5636	5.09	6	4548	94.7
AC Queens	3609	3141	4171	4776	3.92	37	3504	73.0
AC Sterling	4781	4331	4727	5298	4.78	16	4272	89.0
Almonte	3551	4078	4647	5025	4.33	32	3862	80.5
Belmore	4158	4268	4974	5402	4.70	21	4197	87.4
Formosa	5001	4273	5108	5604	5.00	12	4461	92.9
Morrison	4983	4001	5184	5258	4.86	14	4336	90.3
Sunderland ¹	5273	4024	4	5756	5.05 ²	8	4509 ²	93.9 ²
Viking	4778	3475	4588	5369	4.55	25	4065	84.7
CM95513	4851	3857	4848	5367	4.73	18	4224	88.0
OBA166-8	4795	4013	5000	5239	4.76	17	4252	88.6
T203-049	4442	3863	4546	5166	4.50	27	4022	83.8
T123-172 ³	-	-	-	-	-	-	-	-
T125-053	5464	4450	5144	5657	5.18	4	4624	96.3
AB168-11 n	4432	3709	4146	4606	4.22	33	3771	78.6
AB168-13 n	3901	- ⁴	4034	4051	4.00 ⁵	35	3571 ⁵	74.4 ⁵
AC Alma	4716	4139	4770	5684	4.83	15	4310	89.8
AC Hamilton	5098	4204	5150	5551	5.00	11	4465	93.0
AC Legend	3547	4328	5091	4912	4.47	30	3991	83.1
AC Stephen	4969	4416	4824	5825	5.01	10	4472	93.2
AC Westech	4264	3495	3943	4233	3.98	36	3554	74.0
ACCA	4484	4175	4746	5405	4.70	20	4199	87.5
Brucefield	5969	4475	5756	6471	5.67	1	5060	105.4
Chapais	4935	4821	5170	6199	5.28	3	4715	98.2
Grant	5522	4139	5166	5558	5.10	5	4550	94.8
OAC Kippen	4356	3860	4181	5564	4.49	28	4009	83.5
CMB936588	5741	4213	4980	5324	5.06	7	4522	94.2
CMB966074	5082	3904	5214	5564	4.94	13	4412	91.9
CMB966077	4479	3625	4784	4896	4.45	31	3970	82.7
CM862.6	4800	3320	4972	5690	4.70	22	4192	87.3
C226-007	5366	3954	4452	4616	4.60	24	4104	85.5
C231-041	4041	3721	4231	4474	4.12	34	3676	76.6
C225-001	4438	4092	4470	4914	4.48	29	3999	83.3
C229-004	4145	3772	4829	5358	4.53	26	4041	84.2
GGB936942	5048	4011	4534	4922	4.63	23	4133	86.1
OBS4065-125	3047	3673	4771	4041	3.88	38	3467	72.2
OBS4181-43	5842	4432	5194	6063	5.38	2	4806	100.1
OBS4347-23	4396	4458	5250	5998	5.03	9	4487	93.5
MEAN	4685	4027	4813	5288	4.70	-	4196	87.4
C.V. %	5.7	9.6	5.0	5.8	6.5	-	-	-
LSD (0.05)	377	537	284	269	0.37	-	-	-

¹ NO ELORA YIELD DATA DUE TO ERROR AT PLANTING TIME

² NO ELORA YIELD DATA DUE TO ERROR AT PLANTING TIME - AVERAGE 3 LOCATIONS ONLY, AVERAGE CALCULATED USING MISSING PLOT FOR ELORA

³ YIELD DATA NOT REPORTED ALL LOCATIONS DUE TO POOR GERMINATION

⁴ NO DATA FROM CENTRALIA DUE TO LATE ARRIVAL OF SEED AT PLANTING

⁵ NO DATA FROM CENTRALIA DUE TO LATE ARRIVAL OF SEED AT PLANTING TIME - AVERAGE 3 LOCATIONS ONLY

**TESTING AREA III
BARLEY
AGRONOMIC DATA, 1999**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (2)	Maturity ^a days (1)
AC Kings	4.40	68.1	53.0	77	3.1	86
AC Parkhill	4.67	67.5	45.7	66	3.7	85
AC Queens	3.89	66.0	47.2	75	4.7	87
AC Sirius	4.31	65.8	42.0	71	4.6	84
AC Sterling	4.27	67.4	44.9	72	3.4	87
Almonte	4.71	67.4	41.9	68	3.3	85
Belmore	4.58	67.6	46.1	66	3.4	85
Morrison	4.50	67.7	44.0	67	3.9	86
Sunderland	4.72	66.7	44.7	69	3.9	84
CM95513	4.26	67.0	43.3	66	3.2	85
OBA166-8	4.44	65.7	43.6	74	4.3	85
T203-049	4.30	66.5	40.2	67	3.0	86
T123-172 ¹	-	70.1 ²	44.6 ²	64 ²	0.0	85
T125-053	4.42	65.9	44.6	66	4.0	85
AB168-11 n	3.44	74.6	42.1	68	2.7	85
AB168-13 n	3.39	71.9	40.6	70	3.2	87
AC Alma	4.42	59.9	40.1	69	1.9	88
AC Hamilton	4.44	61.0	38.8	73	3.5	86
AC Legend	4.98	62.6	41.0	66	3.1	85
AC Stephen	4.14	63.8	35.9	69	3.8	86
AC Westech	4.07	62.7	36.3	70	3.8	85
ACCA	4.40	62.4	39.9	70	3.7	89
Brucefield	4.53	62.4	39.0	68	2.7	85
Chapais	4.51	61.4	41.7	65	3.6	85
Foster	4.26	62.9	37.2	68	3.7	85
Grant	4.47	62.8	36.7	77	2.8	88
Myriam	4.68	64.6	42.5	75	3.4	86
OAC Kippen	3.98	66.6	38.2	73	4.3	85
Sandrine	4.55	65.0	39.8	79	4.2	85
CMB936588	4.37	65.4	42.4	72	3.1	86
CMB966074	4.54	63.2	41.0	72	2.2	85
CMB966077	3.77	64.4	39.5	65	2.8	86
CM862.6	4.60	62.3	38.4	69	2.7	89
C226-007	3.88	63.2	41.3	68	3.2	85
C231-041	4.26	63.1	36.4	73	2.5	86
C225-011	4.16	62.8	33.3	70	3.8	84
C229-004	4.21	64.1	34.8	71	5.2	84
GB936942	4.33	65.3	35.4	71	2.4	85
OBS4065-125	4.99	62.8	38.2	61	2.8	86
OB4181-43	4.32	63.0	41.3	60	3.4	85
OBS4347-23	4.64	58.9	39.4	65	4.4	84

^a no. of days from seeding to maturity

* no. of locations

n hulless barley

¹ YIELD DATA NOT REPORTED DUE TO POOR GERMINATION

² NO WINCHESTER DATA - ONLY 1 LOCATION

**TESTING AREA III
BARLEY
AGRONOMIC DATA, 1998-99**

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9 (3)	Maturity ^a days (2)
AC Kings	3.66	66.4	47.6	70	4.1	91
AC Parkhill	3.58	66.3	42.4	60	5	89
AC Queens	3.31	65.2	46.0	69	5.3	92
AC Sirius	3.15	63.1	37.9	65	5.5	88
AC Sterling	3.50	65.7	42.6	67	4.6	91
Almonte	3.71	66.1	39.5	62	4.6	90
Belmore	3.40	65.1	40.9	61	4.7	89
Morrison	3.50	65.9	40.5	62	5.1	91
Sunderland	3.47	65.2	41.2	63	5	88
T203-049	3.43	65.1	37.2	63	4.3	90
AB168-11 n	3.12	72.1	40.9	65	3.8	90
AC Alma	3.86	59.3	38.7	65	2.5	91
AC Hamilton	3.82	60.4	38.6	68	3.3	89
AC Legend	4.10	62.4	41.9	61	4.4	90
AC Stephen	3.61	62.7	35.3	67	4.6	87
ACCA	3.87	61.1	38.9	65	4.4	91
Brucefield	3.93	61.4	38.4	62	3.7	89
Chapais	3.85	60.5	40.8	62	4.7	88
Foster	3.74	61.5	36.3	65	4	90
Grant	4.10	62.3	37.9	72	3.5	90
Myriam	3.96	63.8	40.6	68	3.9	88
OAC Kippen	3.49	64.6	36.3	69	4.9	87
Sandrine	4.07	63.9	38.5	74	4.3	89
CMB936588	3.89	64.0	39.8	66	4	88
C226-007	3.35	61.4	38.1	60	4.4	87
C231-041	3.99	61.0	34.9	69	3.8	89
GB936942	3.84	63.3	33.4	68	3.6	89

^a no. of days from seeding to maturity

* no. of locations

n hulless barley

**TESTING AREA III
BARLEY
AGRONOMIC DATA, 1997-99**

Cultivar	Yield t/ha (5)*	wt/hl kg (6)	Kernel Weight g/1000 (6)	Height cm (6)	Lodging 0-9** (3)	Maturity ^a days (3)
AC Kings	3.48	67.9	47.6	70	4.1	90
AC Queens	3.16	66.4	46.9	68	5.3	91
AC Sirius	2.96	65.0	39.0	65	5.5	87
AC Sterling	3.28	67.1	42.7	66	4.6	90
Belmore	3.18	66.8	41.7	61	4.7	88
Morrison	3.30	67.5	41.4	62	5.1	90
Sunderland	3.26	66.8	41.9	61	5	88
AC Alma	3.58	60.6	39.6	63	2.5	89
AC Hamilton	3.56	61.5	39.0	67	3.3	88
AC Stephen	3.40	63.5	36.2	66	4.6	87
ACCA	3.51	62.8	40.0	63	4.4	90
Brucefield	3.64	62.9	38.8	61	3.7	89
Chapais	3.58	62.2	41.9	60	4.7	87
Foster	3.54	63.0	37.8	64	4	89
Grant	3.77	63.7	39.0	70	3.5	90
Myriam	3.65	64.8	39.9	66	3.9	87
OAC Kippen	3.27	66.2	37.1	69	4.9	86
Sandrine	3.87	65.6	38.5	72	4.3	88

^a no. of days from seeding to maturity

* no. of locations

** 1998-99 DATA ONLY

**TESTING AREA III
BARLEY
AGRONOMIC DATA, 1996-99**

Cultivar	Yield t/ha (6)*	wt/hl kg (7)	Kernel Weight g/1000 (7)	Height cm (7)	Lodging 0-9** (4)	Maturity ^a days (4)
AC Sirius	3.04	65.5	40.7	67	5.2	87
AC Sterling	3.50	67.5	43.7	68	3.7	90
Belmore	3.44	67.6	43.5	62	3.8	88
Morrison	3.66	67.8	42.4	63	4.2	90
AC Alma	3.79	61.4	40.9	66	2.0	90
AC Hamilton	3.89	62.2	40.0	69	2.7	89
AC Stephen	3.77	64.2	37.4	68	3.8	87
ACCA	3.84	63.3	40.4	66	3.4	90
Chapais	3.86	63.1	43.0	63	3.7	88
Myriam	3.94	65.3	41.1	68	3.0	88
OAC Kippen	3.48	66.5	37.9	72	4.2	87
Sandrine	4.08	66.4	39.3	74	3.5	89

^a no. of days from seeding to maturity

* no. of locations

** 1996, 1998-99 DATA ONLY

AGRONOMIC DATA, 1995-99

Cultivar	Yield t/ha (8)*	wt/hl kg (9)	Kernel Weight g/1000 (9)	Height cm (9)	Lodging 0-9** (5)	Maturity ^a days (5)
AC Sterling	3.32	65.6	43.1	68	3.2	90
Belmore	3.44	65.9	42.7	63	2.9	89
Morrison	3.61	66.3	42.4	65	3.5	90
AC Alma	3.61	59.5	40.4	67	2.0	90
AC Hamilton	3.71	60.5	39.6	72	2.6	89
AC Stephen	3.76	62.0	37.3	68	3.3	88
Chapais	3.74	60.8	42.9	63	3.6	88
Myriam	3.88	63.3	41.2	70	2.6	89
OAC Kippen	3.47	64.4	37.7	73	3.8	88
Sandrine	3.89	64.3	39.1	76	3.2	89

^a no. of days from seeding to maturity

* no. of locations

** 1995-96, 1998-99 DATA ONLY

**TESTING AREA III
BARLEY
Yield data for 1999**

Cultivar	Stormont, Dundas		Average			
	Carleton I	& Glengarry	t/ha	Rank	lbs/a	bu/a
AC Kings	3507	5300	4.4	20	3932	81.9
AC Parkhill	3638	5700	4.67	6	4169	86.8
AC Queens	2776	5000	3.89	36	3471	72.3
AC Sirius	3417	5200	4.31	25	3847	80.1
AC Sterling	3139	5400	4.27	27	3812	79.4
Almonte	3617	5800	4.71	4	4204	87.6
Belmore	3461	5700	4.58	9	4090	85.2
Morrison	3604	5400	4.5	14	4020	83.7
Sunderland	3535	5900	4.72	3	4212	87.8
CM95513	3111	5400	4.26	30	3800	79.2
OBA166-8	3480	5400	4.44	17	3964	82.6
T203-049	3009	5600	4.30	26	3843	80.1
T123-172 ¹	-	-	-	-	-	-
T125-053	3134	5700	4.42	19	3944	82.2
AB168-11 n	2478	4400	3.44	39	3071	64
AB168-13 n	2680	4100	3.39	40	3027	63.1
AC Alma	3048	5800	4.42	18	3950	82.3
AC Hamilton	3486	5400	4.44	16	3967	82.6
AC Legend	3667	6300	4.98	2	4450	92.7
AC Stephen	2770	5500	4.14	33	3692	76.9
AC Westech	2942	5200	4.07	34	3635	75.7
ACCA	3205	5600	4.4	21	3931	81.9
Brucefield	3056	6000	4.53	12	4043	84.2
Chapais	3229	5800	4.51	13	4031	84
Foster	3024	5500	4.26	28	3805	79.3
Grant	3647	5300	4.47	15	3994	83.2
Myriam	3452	5900	4.68	5	4175	87
OAC Kippen	2968	5000	3.98	35	3557	74.1
Sandrine	3600	5500	4.55	10	4063	84.6
CMB936588	3035	5700	4.37	22	3900	81.2
CMB966074	3487	5600	4.54	11	4057	84.5
CMB966077	2546	5000	3.77	38	3369	70.2
CM862.6	3493	5700	4.6	8	4104	85.5
C226-007	3064	4700	3.88	37	3466	72.2
C231-041	3214	5300	4.26	29	3801	79.2
C225-001	2999	5300	4.15	32	3705	77.2
C229-004	2424	6000	4.21	31	3761	78.3
GGB936942	3253	5400	4.33	23	3863	80.5
OBS4065-125	3770	6200	4.99	1	4451	92.7
OBS4181-43	3149	5500	4.32	24	3861	80.4
OBS4347-23	3183	6100	4.64	7	4144	86.3
MEAN	3207	5480	4.34	-	3873	80.7
C.V. %	10.7	15.5	13.1	-	-	-
LSD (0.05)	510	NS	-	-	-	-

n hulless barley

¹ YIELD DATA NOT REPORTED ALL LOCATIONS DUE TO POOR GERMINATION

**TESTING AREA V & VI
BARLEY
AGRONOMIC DATA, 1999**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (2)	Maturity ^a days (2)
AC Kings	5.02	61.6	50.7	83	0.5	99
AC Parkhill	5.16	62.2	42.2	76	1.0	95
AC Queens	4.16	62.1	49.4	78	0.5	99
AC Sirius	4.74	61.5	45.3	77	0.5	96
AC Sterling	4.91	62.1	46.2	80	0.0	99
Almonte	4.89	60.7	40.9	77	1.5	96
Belmore	5.22	63.2	46.2	73	0.5	96
Morrison	4.55	60.3	42.0	73	1.0	96
Sunderland	5.04	63.7	45.7	76	1.0	96
CM95513	3.95	60.6	42.2	71	0.0	98
OBA166-8	3.81	59.1	44.1	79	1.0	100
T203-049	3.79	62.2	42.5	75	2.0	97
T123-172 ¹	-	61.7	41.9	74	0.0	97
T125-053	5.37	62.5	46.1	71	0.0	96
AB168-11 n	3.87	60.6	42.9	76	0.5	98
AB168-13 n ²	-	-	-	-	-	-
AC Alma	4.70	55.5	46.1	74	0.0	100
AC Hamilton	4.62	56.3	40.8	80	0.0	101
AC Legend	4.73	59.7	50.2	71	0.0	99
AC Stephen	5.02	59.3	40.1	82	1.0	99
AC Westech	3.66	54.5	35.7	76	0.5	99
ACCA	5.10	57.7	43.0	77	0.0	102
Brucefield	5.84	58.1	43.0	77	0.0	98
Chapais	5.76	58.1	47.7	71	0.0	98
Foster	5.66	59.2	41.9	74	0.0	99
Grant	5.12	59.5	46.7	84	1.0	101
Leger	5.51	57.7	40.6	87	0.0	99
Myriam	5.26	60.0	44.2	80	0.0	98
Sandrine	5.69	61.0	40.8	83	0.5	99
CMB936588	5.06	59.3	48.0	81	0.0	101
CMB966074	5.98	59.7	46.5	74	0.0	98
CMB966077	4.69	59.3	39.5	74	0.0	96
CM862.6	5.23	58.3	43.5	80	0.0	102
C226-007	4.04	59.2	43.8	77	0.0	99
C231-041	5.12	57.2	40.5	82	0.5	101
C225-011	5.23	60.3	39.8	80	0.5	97
C229-004	6.12	62.5	40.8	72	0.0	97
GB936942	4.51	57.8	36.9	79	0.0	99
OBS4065-125	3.81	55.6	39.8	67	0.0	99
OB4181-43	4.95	55.7	40.1	64	0.0	96
OBS4347-23	4.77	55.5	44.2	72	0.0	99

^a no. of days from seeding to maturity

* no. of locations

n hulless barley

¹ YIELD DATA NOT REPORTED ALL LOCATIONS DUE TO POOR GERMINATION

² NO DATA DUE TO SPONSOR BEING UNABLE TO PROVIDE SEED FOR TESTING PURPOSE

TESTING AREA V & VI
BARLEY
AGRONOMIC DATA, 1998-99

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9 (3)	Maturity ^a days (4)
AC Kings	5.18	63.2	49.3	85	0.3	101
AC Queens	4.57	63.2	48.5	80	0.3	101
AC Sirius	4.87	63.9	44.9	78	0.6	96
AC Sterling	4.83	63.4	45.2	80	0.1	101
Belmore	5.22	64.2	45.5	74	0.3	99
Morrison	4.95	63.1	42.9	73	0.7	99
Sunderland	5.31	64.5	45.3	76	0.7	97
T203-049	4.49	63.5	41.5	76	1.3	100
AB168-11 n	3.56	62.9	41.7	76	0.3	101
AC Alma	4.94	58.1	44.0	76	0.0	101
AC Hamilton	4.50	58.8	40.9	83	0.0	102
AC Legend	5.12	60.4	45.9	71	0.0	101
AC Stephen	5.10	61.9	39.2	84	0.7	100
ACCA	5.68	60.9	43.5	79	0.0	103
Brucefield	5.86	59.6	41.0	79	0.0	100
Chapais	5.80	60.6	46.0	71	0.0	98
Foster	5.48	59.8	39.9	77	0.0	100
Grant	5.41	61.0	44.6	86	0.7	101
Leger	5.56	60.7	40.0	88	0.0	101
Myriam	5.56	62.3	44.8	81	0.0	100
Sandrine	5.78	63.1	40.5	87	0.4	98
CMB936588	5.29	61.5	46.1	83	0.0	102
C226-007	4.70	60.9	40.7	78	0.1	98
C231-041	5.52	59.9	39.6	83	0.3	102
GB936942	4.93	61.0	36.5	83	0.0	101

^a no. of days from seeding to maturity

* no. of locations

n hulless barley

**TESTING AREA V & VI
BARLEY
AGRONOMIC DATA, 1997-99**

Cultivar	Yield t/ha (6)*	wt/hl kg (6)	Kernel Weight g/1000 (6)	Height cm (6)	Lodging 0-9** (3)	Maturity ^a days (6)
AC Kings	5.53	63.8	48.4	84	0.3	100
AC Queens	5.14	63.9	48.1	81	0.3	100
AC Sirius	5.30	64.7	43.6	77	0.6	96
AC Sterling	5.07	64.0	44.2	80	0.1	99
Belmore	5.55	65.3	44.3	73	0.3	97
Morrison	5.35	64.7	43.1	73	0.7	98
Sunderland	5.77	64.9	44.6	75	0.7	96
AC Alma	5.34	58.8	42.9	76	0.0	100
AC Hamilton	5.25	59.8	40.2	83	0.0	99
AC Stephen	5.61	62.1	38.5	84	0.7	96
ACCA	6.07	61.8	42.9	81	0.0	101
Brucefield	6.25	60.2	40.5	78	0.0	99
Chapais	6.02	60.9	44.8	70	0.0	96
Foster	5.84	60.4	39.7	77	0.0	99
Grant	5.88	61.8	43.9	87	0.7	100
Leger	6.07	61.0	38.9	88	0.0	99
Myriam	5.92	62.9	44.1	81	0.0	98
Sandrine	6.29	63.6	39.7	85	0.4	97

^a no. of days from seeding to maturity

* no. of locations

** 1998-99 DATA ONLY

**TESTING AREA V & VI
BARLEY
AGRONOMIC DATA, 1996-99**

Cultivar	Yield t/ha (8)*	wt/hl kg (8)	Kernel Weight g/1000 (8)	Height cm (8)	Lodging 0-9** (4)	Maturity ^a days (7)
AC Sirius	5.45	64.4	43.6	79	2.2	95
AC Sterling	5.25	64.1	44.0	82	1.4	99
Belmore	5.62	65.3	44.1	74	1.5	97
Morrison	5.56	64.9	42.8	75	1.8	98
AC Alma	5.74	58.9	43.0	79	0.8	99
AC Hamilton	5.53	59.5	39.8	85	1.5	99
AC Stephen	5.71	61.9	38.2	87	2.0	97
ACCA	6.12	61.6	41.9	83	1.3	101
Chapais	6.13	60.4	44.4	71	0.8	97
Leger	6.16	61.1	38.3	90	1.3	99
Myriam	6.07	63.2	43.8	83	0.8	99
Sandrine	6.26	63.6	39.8	89	1.2	97

^a no. of days from seeding to maturity

* no. of locations

** 1996, 1998-99 DATA ONLY

AGRONOMIC DATA, 1995-99

Cultivar	Yield t/ha (13)*	wt/hl kg (13)	Kernel Weight g/1000 (13)	Height cm (13)	Lodging 0-9** (6)	Maturity ^a days (11)
AC Sterling	4.69	64.0	42.2	80	1.1	96
Belmore	4.96	64.8	42.0	71	1.5	94
Morrison	5.07	64.9	41.6	73	1.5	94
AC Alma	5.14	58.6	42.1	76	0.7	96
AC Hamilton	5.16	59.3	39.5	83	1.3	96
AC Stephen	5.17	61.9	38.4	84	1.7	94
Chapais	5.47	60.0	43.6	69	0.8	94
Leger	5.51	60.8	37.4	88	1.3	95
Myriam	5.27	62.9	42.2	80	1.0	95
Sandrine	5.60	63.3	39.0	87	0.9	94

^a no. of days from seeding to maturity

* no. of locations

** 1995-96, 1998-99 DATA ONLY

**TESTING AREA V & VI
BARLEY
Yield data for 1999**

Cultivar	Temiskaming	Thunder Bay	Average			
			t/ha	Rank	lbs/a	bu/a
AC Kings	5107	4942	5.02	19	4486	93.5
AC Parkhill	5610	4713	5.16	13	4608	96.0
AC Queens	3949	4374	4.16	32	3716	77.4
AC Sirius	4813	4664	4.74	25	4231	88.1
AC Sterling	4857	4964	4.91	22	4384	91.3
Almonte	5454	4334	4.89	23	4370	91.0
Belmore	5426	5022	5.22	12	4664	97.2
Morrison	4961	4143	4.55	30	4064	84.7
Sunderland	5282	4793	5.04	18	4498	93.7
CM95513	4144	3752	3.95	34	3525	73.4
OBA166-8	3756	3862	3.81	36	3401	70.9
T203-049	4317	3270	3.79	38	3387	70.6
T123-172 ¹	-	-	-	-	-	-
T125-053	5580	5159	5.37	8	4794	99.9
AB168-11 n	3681	4049	3.87	35	3451	71.9
AB168-13 n ²	-	-	-	-	-	-
AC Alma	4011	5394	4.70	27	4199	87.5
AC Hamilton	5566	3677	4.62	29	4126	86.0
AC Legend	4145	5312	4.73	26	4222	88.0
AC Stephen	5066	4968	5.02	20	4479	93.3
AC Westech	3713	3613	3.66	39	3271	68.1
ACCA	5600	4598	5.10	16	4553	94.8
Brucefield	6125	5554	5.84	3	5214	108.6
Chapais	5686	5839	5.76	4	5145	107.2
Foster	5671	5642	5.66	6	5050	105.2
Grant	5484	4760	5.12	14	4573	95.3
Leger	5578	5450	5.51	7	4923	102.6
Myriam	5821	4699	5.26	9	4969	97.8
Sandrine	5734	5640	5.69	5	5078	105.8
CMB936588	5276	4845	5.06	17	4518	94.1
CMB966074	6170	5791	5.98	2	5340	111.2
CMB966077	4932	4444	4.69	28	4186	87.2
CM862.6	5591	4877	5.23	10	4673	97.4
C226-007	3705	4374	4.04	33	3607	75.1
C231-041	5199	5033	5.12	15	4568	95.2
C225-001	5111	5352	5.23	11	4671	97.3
C229-004	6343	5902	6.12	1	5467	113.9
GB936942	4229	4800	4.51	31	4031	84.0
OBS4065-125	2914	4704	3.81	37	3401	70.9
OBS4181-43	5061	4848	4.95	21	4424	92.2
OBS4347-23	5190	4340	4.77	24	4254	88.6
MEAN	4996	4782	4.89	-	4365	90.9
C.V.%	13.1	10.4	11.8	-	-	-
LSD (0.05)	907	666	0.79	-	-	-

n = hulless barley; ¹YIELD DATA NOT REPORTED ALL LOCATIONS DUE TO POOR GERMINATION; ²NO DATA DUE TO SPONSOR BEING UNABLE TO PROVIDE SEED FOR TESTING PURPOSE

INFORMATION ONLY - VERNER LOCATION
TESTING AREA V & VI
BARLEY
AGRONOMIC DATA, 1999

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity ^a days
AC Kings	3.87	56.1	41.0	79	-	-
AC Parkhill	4.39	57.4	41.8	74	-	-
AC Queens	3.33	54.9	41.1	72	-	-
AC Sirius	3.98	56.1	39.2	76	-	-
AC Sterling	3.73	57.4	39.5	87	-	-
Almonte	4.37	57.4	40.5	77	-	-
Belmore	3.86	59.9	41.1	79	-	-
Morrison	4.31	57.4	41.1	74	-	-
Sunderland	4.03	56.1	39.8	74	-	-
CM95513	3.88	56.1	39.0	79	-	-
OBA166-8	3.27	56.1	40.3	79	-	-
T203-049	3.98	54.9	36.2	73	-	-
T123-172 ¹	-	57.4	37.6	91	-	-
T125-053	3.78	57.4	38.1	73	-	-
AB168-11 n	3.64	57.4	39.9	77	-	-
AB168-13 n ²	-	-	-	-	-	-
AC Alma	5.47	53.6	40.9	73	-	-
AC Hamilton	4.55	52.4	37.3	81	-	-
AC Legend	4.68	52.4	37.5	72	-	-
AC Stephen	4.88	58.5	38.9	82	-	-
AC Westech	3.94	53.6	30.8	78	-	-
ACCA	5.22	56.1	40.2	74	-	-
Brucefield	4.86	52.4	35.4	74	-	-
Chapais	4.75	53.6	37.5	71	-	-
Foster	4.53	49.9	27.0	78	-	-
Grant	4.71	54.9	39.7	83	-	-
Leger	4.79	53.6	36.5	77	-	-
Myriam	5.21	54.9	38.3	78	-	-
Sandrine	4.56	54.9	34.9	88	-	-
CMB936588	4.97	56.1	40.6	81	-	-
CMB966074	4.78	53.6	40.7	78	-	-
CMB966077	4.55	54.9	37.2	74	-	-
CM862.6	4.87	54.9	37.5	76	-	-
C226-007	5.07	53.6	35.7	78	-	-
C231-041	5.14	54.9	37.6	80	-	-
C225-001	4.88	56.1	37.2	78	-	-
C229-004	4.80	56.1	34.6	73	-	-
GB936942	4.68	56.1	32.5	78	-	-
OBS4065-125	4.73	52.4	36.7	66	-	-
OBS4181-43	4.70	53.6	39.4	75	-	-
OBS4347-23	4.70	52.4	38.7	72	-	-
MEAN	4.46	55.2	38.0	77	-	-
C.V.%	14.6	-	-	-	-	-
LSD (0.05)	0.91	-	-	-	-	-

^ano. of days from seeding to maturity; n = hullless barley; ¹YIELD DATA NOT REPORTED DUE TO POOR GERMINATION; ²NO DATA DUE TO SPONSOR BEING UNABLE TO PROVIDE SEED FOR TESTING PURPOSE

**INFORMATION ONLY - EMO LOCATION
TESTING AREA V & VI
BARLEY
AGRONOMIC DATA, 1999**

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity ^a days
AC Kings	3.03	56.1	39.8	81	2.0	87
AC Parkhill	2.77	62.3	37.5	73	2.0	80
AC Queens	3.12	56.2	39.5	78	6.0	87
AC Sirius	2.76	57.4	36.2	77	4.0	80
AC Sterling	3.00	57.4	37.2	86	5.0	84
Almonte	2.95	57.4	33.9	80	5.0	80
Belmore	2.99	59.9	37.2	71	3.0	84
Morrison	2.60	58.6	34.8	75	6.0	87
Sunderland	3.37	59.9	39.8	76	3.0	87
CM95513	2.90	58.6	33.9	77	3.0	90
OBA166-8	2.95	54.9	33.1	87	8.0	90
T203-049	2.99	59.9	38.0	76	5.0	84
T123-172 ¹	-	56.1	31.9	78	2.0	80
T125-053	3.16	58.7	36.1	69	4.0	80
AB168-11 n	2.66	63.8	32.6	79	3.0	80
AB168-13 n ²	-	-	-	-	-	-
AC Alma	2.97	52.4	33.2	75	5.0	88
AC Hamilton	2.51	52.4	32.8	79	3.0	90
AC Legend	3.46	54.9	34.6	74	5.0	84
AC Stephen	2.62	56.1	34.1	75	2.0	90
AC Westech	2.26	52.4	30.3	79	2.0	84
ACCA	3.14	53.8	32.6	84	7.0	90
Brucefield	3.51	54.9	34.9	75	2.0	90
Chapais	3.53	53.6	33.2	73	5.0	84
Foster	3.65	56.1	34.7	74	3.0	84
Grant	3.86	57.4	36.2	91	3.0	87
Leger	2.81	52.5	29.3	83	5.0	84
Myriam	3.27	56.1	33.6	78	2.0	84
Sandrine	4.05	57.4	31.4	87	1.0	84
CMB936588	3.92	58.8	33.9	86	2.0	87
CMB966074	3.03	56.1	37.5	77	3.0	84
CMB966077	3.68	57.4	33.3	77	2.0	80
CM862.6	3.02	52.4	31.9	78	4.0	90
C226-007	3.65	56.2	32.5	83	2.0	87
C231-041	3.39	54.9	32.8	80	2.0	87
C225-001	2.18	57.4	28.8	77	3.0	84
C229-004	3.22	56.1	32.6	84	3.0	87
GB936942	3.20	53.6	28.2	82	1.0	84
OBS4065-125	2.58	48.6	30.6	65	2.0	90
OBS4181-43	3.05	51.1	29.8	68	3.0	84
OBS4347-23	2.44	48.6	31.6	73	5.0	84
MEAN	3.06	56.0	33.9	78	3.5	85
C.V.%	17.9	-	-	-	-	-
LSD (0.05)	0.77	-	-	-	-	-

^ano. of days from seeding to maturity; n = hulless barley

¹YIELD DATA NOT REPORTED DUE TO POOR GERMINATION

²NO DATA DUE TO SPONSOR BEING UNABLE TO PROVIDE SEED FOR TESTING PURPOSE

INFORMATION ONLY - KAPUSKASKING LOCATION
TESTING AREA V & VI
BARLEY
AGRONOMIC DATA, 1999

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity ^a days
AC Kings	4.90	69.1	51.3	71	2.3	101
AC Parkhill	5.46	70.2	48.6	62	1.3	99
AC Queens	4.69	68.6	48.4	71	3.0	102
AC Sirius	4.89	69.5	46.9	69	2.0	98
AC Sterling	4.99	70.2	47.4	71	1.8	102
Almonte	5.23	70.0	44.9	67	1.5	101
Belmore	4.96	70.6	48.6	61	1.0	99
Morrison	4.88	70.7	47.0	66	1.3	102
Sunderland	5.79	70.7	49.2	66	1.0	101
CM95513	4.61	69.6	47.4	62	2.0	101
OBA166-8	4.83	66.9	46.4	74	3.3	101
T203-049	4.54	70.8	44.6	66	2.5	99
T123-172 ¹	-	68.4	43.3	66	1.8	102
T125-053	5.67	69.7	46.6	62	1.3	99
AB168-11 n	4.08	76.8	41.2	67	1.8	100
AB168-13 n ²	-	-	-	-	-	-
AC Alma	4.71	62.9	42.8	63	1.3	102
AC Hamilton	5.70	63.0	43.2	78	2.0	101
AC Legend	5.65	65.9	46.3	63	1.3	102
AC Stephen	5.01	65.0	39.6	73	1.5	101
AC Westech	4.44	64.3	37.8	78	2.8	99
ACCA	5.67	66.9	45.3	72	2.0	103
Brucefield	5.79	63.3	42.5	68	1.3	101
Chapais	5.02	64.5	46.5	57	1.5	102
Foster	5.21	66.0	42.2	65	1.5	101
Grant	5.28	67.0	44.0	79	1.8	101
Leger	5.66	64.0	42.2	83	1.8	99
Myriam	5.41	68.1	45.5	72	1.5	101
Sandrine	5.48	67.2	40.2	78	2.0	100
CMB936588	4.76	64.7	42.8	69	1.3	102
CMB966074	5.31	64.1	46.3	71	1.3	102
CMB966077	4.23	65.2	36.9	63	1.8	100
CM862.6	5.67	66.2	45.6	74	2.5	104
C226-007	4.24	65.7	40.9	62	1.0	104
C231-041	5.14	65.5	40.0	74	1.5	101
C225-001	5.71	68.7	40.5	75	1.8	100
C229-004	5.45	69.8	40.0	75	1.5	100
GB936942	5.03	65.9	36.8	70	1.3	101
OBS4065-125	5.26	63.4	42.3	61	1.0	101
OBS4181-43	4.61	62.8	42.8	56	1.3	101
OBS4347-23	5.91	63.8	47.5	65	1.5	101
MEAN	5.12	67.1	44.1	69	1.7	101
C.V.%	8.4	-	-	-	-	-
LSD (0.05)	NA	-	-	-	-	-

¹no. of days from seeding to maturity; n = hullless barley; ¹YIELD DATA NOT REPORTED DUE TO POOR GERMINATION; ²NO DATA DUE TO SPONSOR BEING UNABLE TO PROVIDE SEED FOR TESTING PURPOSE

DESCRIPTION OF CULTIVARS IN PERFORMANCE TRIALS, 1999

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 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. Tested by W.G. Thompson & Sons Ltd. Registered in 1996, distributed by C&M Seeds.
- OAC Paisley (GA 891234) - a yellow-hulled oat cultivar developed by OAC from the cross Ogle/OA630-2. Registered in 1995, distributed by SeCan.
- Radisson (SO91079) - developed by Crop Development Centre, Saskatoon and McGill University, Montreal. Registered in 1998, distributed by SeCan.
- 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 registration by OCCC in 1997.
- OA 965-1 - a white-hulled oat developed by AAFC-ECORC from the cross OA904-1-89*4/PC62. Supported by OCCC for registration in 1998.
- OA 966-1 - a white-hulled oat developed by AAFC-ECORC from the cross OA905-1-69/84/PC68. Supported by OCCC for registration in 1998.
- OA974-1 - developed by AAFC-ECORC from the cross OA952-3*2/PC48. Supported by OCCC for registration in 1999.
- 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 hullless oat developed by AAFC-ECORC from the cross Capital*2/04434.634.-17. Registered in 1997, distributed by C & M Seeds.

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1999

Cultivar	II & IV(3)**		III(2)		V & VI(2)		PROVINCE***(7)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	4.26	13	4.19	4	4.85	9	4.41	3937
AC Francis	4.28	11	4.02	5	4.89	8	4.38	3909
AC Rigodon	4.56	3	3.36	10	5.47	3	4.48	3996
AC Stewart	4.28	11	2.85	14	5.49	1	4.22	3764
Ida	4.37	9	3.63	8	4.96	7	4.33	3863
Irish	4.46	6	3.76	7	5.29	4	4.50	4015
Moffat	4.51	4	3.86	6	4.54	12	4.33	3866
OAC Paisley	4.60	2	3.47	9	5.48	2	4.53	4042
Radisson	4.36	10	3.10	13	4.16	14	3.94	3521
GA921019	4.46	6	3.24	12	4.69	11	4.18	3731
GA921021	4.46	6	3.30	11	4.83	10	4.23	3781
OA965-1	4.61	1	4.40	3	5.21	5	4.72	4218
OA966-1	4.51	4	4.52	1	4.51	13	4.51	4031
OA974-1	4.25	14	4.52	1	5.18	6	4.59	4102
Mean	4.43	-	3.73	-	4.97	-	4.38	3913
AC Baton ¹	3.05	2	2.03	1	3.21	2	2.80	2503
AC Ernie ¹	3.34	1	1.87	2	3.86	1	3.07	2739
Mean	3.20	-	1.95	-	3.53	-	2.94	2621

*See attached map

** No. of locations

*** Weighted average

¹ hulless oats

OATS
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1999

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	96	124	98	101
AC Francis	97	119	98	100
AC Rigodon	103	100	110	102
AC Stewart	97	84	110	96
Ida	99	108	100	99
Irish	101	111	106	103
Moffat	102	114	91	99
OAC Paisley	104	103	110	103
Radisson	98	92	84	90
GA921019	101	96	94	95
GA921021	101	98	97	97
OA965-1	104	131	105	108
OA966-1	102	134	91	103
OA974-1	96	134	104	105
Mean yield t/ha	4.43	3.73	4.97	4.38
AC Baton ¹	95	104	91	95
AC Ernie ¹	104	96	109	104
Mean yield t/ha	3.20	1.95	3.53	2.94

¹ hulless oats

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1998-99

Cultivar	II & IV(7)**		III(4)		V & VI(4)		PROVINCE***(15)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	3.37	12	3.65	3	4.93	8	3.86	3447
AC Francis	3.49	11	3.49	5	5.28	6	3.97	3541
AC Rigodon	3.71	5	3.44	7	5.29	5	4.06	3623
AC Stewart	3.81	2	2.70	12	5.38	3	3.93	3513
Ida	3.71	5	3.41	8	5.07	7	3.99	3565
Irish	3.99	1	3.77	1	5.57	1	4.35	3887
Moffat	3.77	4	3.48	6	4.84	11	3.98	3549
OAC Paisley	3.80	3	3.36	9	5.52	2	4.14	3700
GA921019	3.64	8	2.88	11	4.75	12	3.73	3333
GA921021	3.66	7	3.03	10	4.86	10	3.81	3401
OA965-1	3.58	10	3.65	3	5.31	4	4.06	3623
OA966-1	3.64	8	3.75	2	4.90	9	4.00	3575
Mean	3.68	-	3.38	-	5.14	-	3.99	3563
AC Baton ¹	2.29	2	1.92	2	3.57	2	2.53	2261
AC Ernie ¹	2.57	1	2.11	1	3.92	1	2.81	2507
Mean	2.43	-	2.02	-	3.74	-	2.67	2384

*See attached map

** No. of locations

*** Weighted average

¹ hulless oats

OATS
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1998-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	92	108	96	97
AC Francis	95	103	103	99
AC Rigodon	101	102	103	102
AC Stewart	104	80	105	99
Ida	101	101	99	100
Irish	109	112	108	109
Moffat	102	103	94	100
OAC Paisley	103	100	107	104
GA921019	99	85	92	94
GA921021	99	90	95	95
OA965-1	97	108	103	102
OA966-1	99	111	95	100
Mean yield t/ha	3.68	3.38	5.14	3.99
AC Baton ¹	94	95	95	95
AC Ernie ¹	106	105	105	105
Mean yield t/ha	2.43	2.02	3.74	2.67

¹ hulless oats

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1997-99

Cultivar	II & IV(11)**		III(6)		V & VI(6)		PROVINCE***(23)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	3.66	9	3.52	2	5.66	4	4.14	3699
AC Francis	3.59	10	3.43	3	5.62	5	4.08	3639
AC Rigodon	3.96	3	3.37	5	6.11	2	4.37	3900
AC Stewart	3.87	6	2.85	10	5.54	6	4.04	3605
Ida	3.96	3	3.34	6	5.36	8	4.16	3716
Irish	4.1	1	3.59	1	5.91	3	4.44	3964
Moffat	3.95	5	3.32	7	5.51	7	4.19	3743
OAC Paisley	4.03	2	3.38	4	6.22	1	4.43	3957
GA921019	3.77	8	2.9	9	5.18	10	3.91	3490
GA921021	3.78	7	2.98	8	5.34	9	3.98	3549
Mean	3.87	-	3.28	-	5.64	-	4.18	3728
AC Baton ¹	2.32	1	2.05	1	3.87	1	2.65	2367
Mean	2.32	-	2.05	-	3.87	-	2.65	2367

*See attached map

** No. of locations

*** Weighted average

¹ hulless oats

OATS
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1997-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	95	107	100	99
AC Francis	93	104	100	98
AC Rigodon	102	103	108	104
AC Stewart	100	87	98	97
Ida	102	102	95	100
Irish	106	110	105	106
Moffat	102	101	98	100
OAC Paisley	104	103	110	106
GA921019	97	88	92	94
GA921021	98	91	95	95
Mean yield t/ha	3.87	3.28	5.64	4.18
AC Baton ¹	100	100	100	100
Mean yield t/ha	2.32	2.05	3.87	2.65

¹ hulless oats

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1996-99

Cultivar	II & IV(14)**		III(7)		V & VI(7)		PROVINCE***(28)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	3.95	4	3.64	1	5.63	5	4.29	3834
AC Francis	3.79	6	3.44	5	5.99	3	4.17	3726
AC Rigodon	4.00	3	3.53	2	6.12	2	4.41	3939
AC Stewart	3.87	5	3.04	6	5.5	6	4.07	3634
Moffat	4.05	2	3.47	4	4.72	4	4.07	3638
OAC Paisley	4.08	1	3.49	3	6.35	1	4.50	4017
Mean	3.95	-	3.44	-	5.72	-	4.28	3824

AC Baton ¹	2.24	1	2.03	1	3.81	1	2.58	2304
Mean	2.24	-	2.03	-	3.81	-	2.58	2304

*See attached map

** No. of locations

*** Weighted average

¹ hullless oats

OATS
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1996-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	100	106	98	100
AC Francis	96	100	105	97
AC Rigodon	101	103	107	103
AC Stewart	98	88	96	95
Moffat	103	101	83	95
OAC Paisley	103	101	111	105
Mean yield t/ha	3.95	3.44	5.72	4.28
AC Baton ¹	100	100	100	100
Mean yield t/ha	2.24	2.03	3.81	2.58

¹ hullless oats

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1995-99

Cultivar	II & IV(21)**		III(7)****		V & VI(12)		PROVINCE***(40)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Assiniboia	3.85	3	3.64	2	5.08	3	4.19	3737
AC Rigodon	3.76	4	3.53	3	5.36	1	4.20	3752
AC Stewart	3.86	2	3.04	4	4.65	4	3.95	3530
OAC Paisley	4.00	1	3.49	1	5.33	2	4.31	3849
Mean	3.87	-	3.42	-	5.12	-	4.17	3719

* See attached map

** No. of locations

*** Weighted average

**** 1996-99 DATA ONLY

OATS
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1995-99

Cultivar	II & IV	III	V & VI	PROVINCE
AC Assiniboia	100	107	99	100
AC Rigodon	97	103	105	101
AC Stewart	100	89	91	95
OAC Paisley	103	102	104	103
Mean yield t/ha	3.87	3.42	5.12	4.17

**TESTING AREA II & IV
OATS
AGRONOMIC DATA, 1999**

Cultivar	Yield t/ha (3)*	wt/hl kg (3)	Kernel Weight g/1000 (3)	Height cm (4)	Lodging 0-9 (2)	Maturity ^a days (1)	Leaf Rust 0-9 (1)	Septoria 0-9 (2)
AC Assiniboia	4.26	42.4	35.6	82	0.4	83	0.0	5.0
AC Francis	4.28	43.0	35.2	79	2.8	82	3.0	7.3
AC Rigodon	4.56	43.8	36.6	86	3.2	85	6.0	5.5
AC Stewart	4.28	42.5	40.2	78	2.2	80	8.0	7.0
Ida	4.37	44.3	34.9	80	1.7	83	2.0	5.8
Irish	4.46	42.8	34.4	79	1.2	80	0.0	6.5
Moffat	4.51	40.7	33.2	68	1.8	82	2.0	4.0
OAC Paisley	4.6	40.6	34.8	80	1.9	80	7.0	4.3
Radisson	4.36	41.1	37.4	93	2.5	85	6.0	5.0
GA921019	4.46	42.0	31.9	79	2.3	78	6.0	5.0
GA921021	4.46	43.5	34.8	91	1.7	83	5.0	4.5
OA965-1	4.61	42.8	35.7	86	2.7	80	0.0	6.8
OA966-1	4.51	43.7	38.9	83	2.3	81	2.0	6.8
OA974-1	4.25	41.3	35.8	80	1.8	84	0.0	6.3
AC Baton [†]	3.05	52.8	28.7	92	3.7	83	5.0	4.0
AC Ernie [†]	3.34	54.9	24.9	86	1.0	83	5.0	4.0

^a no. of days from seeding to maturity

* no. of locations

[†] hulless oats

AGRONOMIC DATA, 1998-99

Cultivar	Yield t/ha (7)*	wt/hl kg (7)	Kernel Weight g/1000 (7)	Height cm (8)	Lodging 0-9 (4)	Maturity ^a days (4)	Leaf Rust 0-9 (2)	Septoria 0-9 (4)
AC Assiniboia	3.37	43.1	34.7	79	2.7	88	0.0	4.2
AC Francis	3.49	43.9	35.1	79	3.3	85	4.5	6.0
AC Rigodon	3.71	42.5	33.9	82	3.1	88	6.0	4.3
AC Stewart	3.81	43.0	37.9	78	3.5	85	7.5	5.4
Ida	3.71	44.6	32.0	79	2.6	87	3.5	4.4
Irish	3.99	43.6	32.5	80	3.0	86	2.5	5.3
Moffat	3.77	41.8	30.1	68	2.1	87	3.0	3.6
OAC Paisley	3.80	41.0	34.3	78	1.8	86	7.0	3.5
GA921019	3.64	42.3	29.9	79	4.0	83	5.0	4.9
GA921021	3.66	44.1	33.2	85	2.0	88	4.5	3.8
OA965-1	3.58		34.5	84	3.2	84	0.0	6.0
OA966-1	3.64	44.0	36.6	82	3.1	85	1.0	6.1
AC Baton [†]	2.29	49.3	27.1	87	3.1	87	6.5	4.1
AC Ernie [†]	2.57	53.7	25.1	83	1.3	88	6.5	4.0

^a no. of days from seeding to maturity

* no. of locations

[†] hulless oats

**TESTING AREA II & IV
OATS
AGRONOMIC DATA, 1997-99**

Cultivar	Yield t/ha (11)*	wt/hl kg (11)	Kernel Weight g/1000 (11)	Height cm (12)	Lodging 0-9** (4)	Maturity ^a days (6)	Leaf Rust 0-9 (4)	Septoria 0-9 (7)
AC Assiniboia	3.66	44.4	38.0	81	2.7	92	0.0	4.0
AC Francis	3.59	45.4	37.2	80	3.3	90	2.3	5.9
AC Rigodon	3.96	44.9	36.2	85	3.1	92	4.8	3.8
AC Stewart	3.87	44.4	39.4	80	3.5	90	6.3	5.4
Ida	3.96	46.3	33.6	81	2.6	92	1.8	3.9
Irish	4.10	45.3	34.7	82	3.0	91	1.7	4.9
Moffat	3.95	43.5	31.8	70	2.1	92	2.5	3.4
OAC Paisley	4.03	43.7	34.8	80	1.8	91	5.8	3.8
GA921019	3.77	44.2	32.4	81	4.0	87	2.9	4.7
GA921021	3.78	45.7	34.4	86	2.0	92	2.7	3.7
AC Baton ¹	2.32	51.3	28.5	88	3.1	91	5.3	4.5

^a no. of days from seeding to maturity

* no. of locations

** 1998-99 DATA ONLY

¹ hulless oats

AGRONOMIC DATA, 1996-99

Cultivar	Yield t/ha (14)*	wt/hl kg (14)	Kernel Weight g/1000 (14)	Height cm (14)	Lodging 0-9** (6)	Maturity ^a days (8)	Leaf Rust 0-9 (6)	Septoria 0-9 (8)
AC Assiniboia	3.95	45.0	38.9	85	2.4	93	0.1	3.6
AC Francis	3.79	45.4	37.5	84	3.8	92	1.5	5.8
AC Rigodon	4.00	45.0	36.7	90	3.5	93	4.8	3.4
AC Stewart	3.87	43.8	39.0	84	3.3	91	5.9	5.2
Moffat	4.05	43.2	32.5	74	3.1	93	2.9	3.1
OAC Paisley	4.08	43.4	35.1	84	2.1	92	5.3	3.7
AC Baton ¹	2.24	50.5	27.9	92	2.8	92	5.6	4.3

^a no. of days from seeding to maturity

* no. of locations

** 1996, 1998-99 DATA ONLY

¹ hulless oats

AGRONOMIC DATA, 1995-99

Cultivar	Yield t/ha (21)*	wt/hl kg (21)	Kernel Weight g/1000 (21)	Height cm (20)	Lodging 0-9** (12)	Maturity ^a days (12)	Leaf Rust 0-9 (9)	Septoria 0-9 (11)
AC Assiniboia	3.85	45.7	37.9	87	2.1	92	0.1	4.0
AC Rigodon	3.76	44.9	35.0	92	3.6	92	4.5	3.6
AC Stewart	3.86	44.3	38.1	84	3.0	88	5.6	5.1
OAC Paisley	4.00	44.0	34.7	86	1.7	90	4.9	4.1

^a no. of days from seeding to maturity

* no. of locations

** 1995-96, 1998-99 DATA ONLY

TESTING AREA II & IV
OATS
Yield data for 1999

Cultivar	Huron I	Huron II	Wellington I	Perth	Average			
					t/ha	Rank	lb/a	bu/a
AC Assiniboia	Data	4030	3929	4829	4.26	13	3806	111.9
AC Francis		4366	3803	4656	4.28	12	3817	112.3
AC Rigodon	not	4502	4084	5085	4.56	3	4069	119.7
AC Stewart		4099	3957	4786	4.28	11	3822	112.4
Ida	reported	3954	4206	4938	4.37	9	3898	114.7
Irish	due	4500	4213	4667	4.46	7	3982	117.1
Moffat		4141	4194	5181	4.51	5	4023	118.3
OAC Paisley	to	4359	4164	5272	4.60	2	4160	120.8
Radisson		3931	4304	4852	4.36	10	3895	114.6
GA921019	cereal	4156	4516	4720	4.46	6	3986	117.2
GA921021		4302	4186	4890	4.46	7	3982	117.1
OA965-1	leaf	4319	4146	5379	4.61	1	4120	121.2
OA966-1		4072	4088	5372	4.51	4	4027	118.5
OA974-1	beetle	4302	3683	4759	4.25	14	3793	111.6
AC Baton ¹		3142	2706	3295	3.05	16	2721	-
AC Ernie ¹	damage	3091	3267	3671	3.34	15	2985	-
MEAN	-	4079	3965	4772	4.27	-	3814	-
C.V. %	-	7.5	5.5	5.8	6.3	-	-	-
LSD (0.05)	-	444	259	249	0.32	-	-	-

¹ hullless oats

**TESTING AREA III
OATS
AGRONOMIC DATA, 1999**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (1)	Maturity ^a days (-)
AC Assiniboia	4.19	49.2	37.8	83	7.0	-
AC Francis	4.02	50.6	38.2	75	6.8	-
AC Rigodon	3.36	45.2	33.2	84	7.5	-
AC Stewart	2.85	43.9	37.6	81	6.8	-
Ida	3.63	47.8	32.4	77	6.3	-
Irish	3.76	46.6	33.4	78	5.8	-
Moffat	3.86	45.1	34.4	76	5.8	-
OAC Paisley	3.47	43.7	33.0	78	7.5	-
Radisson	3.10	42.9	34.6	86	7.8	-
GA921019	3.24	45.3	29.8	80	7.3	-
GA921021	3.30	47.6	32.6	83	6.5	-
OA965-1	4.40	50.2	38.0	85	6.8	-
OA966-1	4.52	52.6	39.4	80	6.5	-
OA974-1	4.52	47.1	36.8	71	6.8	-
AC Baton ¹	2.03	56.5	27.4	85	6.3	-
AC Ernie ¹	1.87	57.6	21.8	87	6.8	-

^a no. of days from seeding to maturity

* no. of locations

¹ hulless oats

AGRONOMIC DATA, 1998-99

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9** (1)	Maturity ^a days*** (1)
AC Assiniboia	3.65	49.6	38.4	86	7.0	106
AC Francis	3.49	49.3	35.9	77	6.8	105
AC Rigodon	3.44	45.9	32.7	90	7.5	105
AC Stewart	2.70	45.0	36.0	79	6.8	101
Ida	3.41	48.6	31.5	82	6.3	105
Irish	3.77	47.9	32.5	80	5.8	105
Moffat	3.48	45.9	32.7	76	5.8	105
OAC Paisley	3.36	44.3	32.2	82	7.5	104
GA921019	2.88	45.2	28.9	80	7.3	100
GA921021	3.03	47.4	31.1	87	6.5	104
OA965-1	3.03 3.65	49.7	36.6	81	6.8	103
OA966-1	3.65 3.75	51.0	38.7	81	6.5	103
AC Baton ¹	1.92	55.5	26.7	85	6.3	105
AC Ernie ¹	2.11	57.5	22.1	90	6.8	105

^a no. of days from seeding to maturity

* no. of locations

** 1999 DATA ONLY

*** 1998 DATA ONLY

¹ hulless oats

**TESTING AREA III
OATS
AGRONOMIC DATA, 1997-99**

Cultivar	Yield t/ha (6)*	wt/hl kg (6)	Kernel Weight g/1000 (6)	Height cm (6)	Lodging 0-9** (1)	Maturity ^a days*** (1)	Leaf Rust 0-9*** (1)
AC Assiniboia	3.52	49.7	38.4	83	7.0	106	0.0
AC Francis	3.43	50.2	36.7	75	6.8	105	0.0
AC Rigodon	3.37	47.4	33.9	85	7.5	105	2.0
AC Stewart	2.85	46.3	36.9	75	6.8	101	1.0
Ida	3.34	49.5	31.6	78	6.3	105	1.0
Irish	3.59	49.2	33.6	78	5.8	105	0.0
Moffat	3.32	47.2	32.4	71	5.8	105	0.0
OAC Paisley	3.38	46.2	33.7	78	7.5	104	1.0
GA921019	2.90	46.0	29.0	77	7.3	100	0.0
GA921021	2.98	48.4	31.4	82	6.5	104	0.0
AC Baton ¹	2.05	58.9	28.7	82	6.3	105	2.3

^a no. of days from seeding to maturity; * no. of locations; ** 1999 DATA ONLY; *** 1998 DATA ONLY; ¹ hullless oats

AGRONOMIC DATA, 1996-99

Cultivar	Yield t/ha (7)*	wt/hl kg (7)	Kernel Weight g/1000 (7)	Height cm (7)	Lodging 0-9** (2)	Maturity ^a days*** (1)	Leaf Rust 0-9**** (2)
AC Assiniboia	3.64	50.6	38.6	85	4.2	106	0.0
AC Francis	3.44	51.2	37.1	78	6.8	105	0.0
AC Rigodon	3.53	49.0	34.3	88	4.8	105	2.5
AC Stewart	3.04	47.3	37.4	78	4.8	101	1.5
Moffat	3.47	48.6	32.2	73	3.9	105	0.3
OAC Paisley	3.49	47.5	34.1	80	4.9	104	1.5
AC Baton ¹	2.04	58.5	29.6	84	6.7	105	2.8

^a no. of days from seeding to maturity; * no. of locations; ** 1996, 1999 DATA ONLY; *** 1998 DATA ONLY; **** 1996, 1998 DATA ONLY; ¹ hullless oats

AGRONOMIC DATA, 1995-99

Cultivar	Yield t/ha** (7)*	wt/hl kg (8)	Kernel Weight g/1000 (8)	Height cm (9)	Lodging 0-9*** (3)	Maturity ^a days**** (2)	Leaf Rust 0-9***** (2)
AC Assiniboia	3.64	52.1	38.4	85	4.1	102	0.0
AC Rigodon	3.53	50.8	34.2	87	3.5	96	1.5
AC Stewart	3.04	48.4	37.1	78	3.2	92	1.0
OAC Paisley	3.49	49.0	33.9	80	3.3	95	1.0

^a no. of days from seeding to maturity; * no. of locations; ** 1996-1999 DATA ONLY; *** 1995-96, 1999 DATA ONLY; **** 1995, 1998 DATA ONLY; ***** 1996, 1998 DATA ONLY

**TESTING AREA III
OATS
Yield data for 1999**

Cultivar	Carleton I	Stormont, Dundas & Glengarry	Average			
			t/ha	Rank	lb/a	bu/a
AC Assiniboia	3373	5000	4.19	4	3738	109.9
AC Francis	2939	5100	4.02	5	3589	105.6
AC Rigodon	3127	3600	3.36	10	3003	88.3
AC Stewart	1992	3700	2.85	14	2541	74.7
Ida	2359	4900	3.63	8	3241	95.3
Irish	2414	5100	3.76	7	3354	98.7
Moffat	2811	4900	3.86	6	3442	101.2
OAC Paisley	3338	3600	3.47	9	3097	91.1
Radisson	3202	3000	3.10	13	2769	81.4
GA921019	2281	4200	3.24	12	2893	85.1
GA921021	2805	3800	3.30	11	2949	86.7
OA965-1	3302	5500	4.40	3	3929	115.6
OA966-1	3546	5500	4.52	1	4038	118.8
OA974-1	3743	5300	4.52	2	4037	118.7
AC Baton ¹	2150	1900	2.03	15	1808	-
AC Ernie ¹	1831	1900	1.87	16	1666	-
MEAN	2826	4188	3.51	-	3131	-
C.V. %	9.9	2.9	6.4	-	-	-
LSD (0.05)	332	NA	-	-	-	-

¹ hullless oats

**TESTING AREA V & VI
OATS
AGRONOMIC DATA, 1999**

Cultivar	Yield t/ha (2)*	wt/hl kg (2)	Kernel Weight g/1000 (2)	Height cm (2)	Lodging 0-9 (1)	Maturity ^a days (2)
AC Assiniboia	4.85	43.6	36.8	99	2.0	107
AC Francis	4.89	44.0	36.8	88	2.0	105
AC Rigodon	5.47	44.1	36.2	101	1.0	107
AC Stewart	5.49	42.8	37.0	88	1.0	106
Ida	4.96	44.1	31.1	97	2.0	107
Irish	5.29	41.8	32.4	89	1.0	107
Moffat	4.54	41.7	32.9	80	1.0	107
OAC Paisley	5.48	43.1	37.1	92	1.0	107
Radisson	4.16	39.5	35.2	105	2.0	108
GA921019	4.69	41.3	31.4	93	2.0	106
GA921021	4.83	42.5	33.4	96	2.0	106
OA965-1	5.21	45.2	38.2	99	1.0	107
OA966-1	4.51	44.2	37.8	93	1.0	107
OA974-1	5.18	44.5	38.3	93	1.0	107
AC Baton ¹	3.21	47.2	30.0	101	2.0	108
AC Ernie ¹	3.86	54.0	28.9	99	1.0	107

^a no. of days from seeding to maturity

* no. of locations

¹ hullless oats

AGRONOMIC DATA, 1998-99

Cultivar	Yield t/ha (4)*	wt/hl kg (4)	Kernel Weight g/1000 (4)	Height cm (4)	Lodging 0-9** (1)	Maturity ^a days (4)
AC Assiniboia	4.93	45.2	37.1	95	2.0	108
AC Francis	5.28	47.0	37.3	90	2.0	105
AC Rigodon	5.29	45.9	36.1	100	1.0	107
AC Stewart	5.38	46.1	38.8	86	1.0	106
Ida	5.07	47.0	32.9	91	2.0	106
Irish	5.57	46.3	34.5	89	1.0	107
Moffat	4.84	45.1	32.9	79	1.0	108
OAC Paisley	5.52	45.3	36.5	90	1.0	106
GA921019	4.75	44.9	32.3	90	2.0	104
GA921021	4.86	45.8	33.9	96	2.0	107
OA965-1	5.31	48.2	39.0	97	1.0	106
OA966-1	4.90	47.5	39.6	92	1.0	106
AC Baton ¹	3.57	51.2	30.4	100	2.0	107
AC Ernie ¹	3.92	56.6	27.9	98	1.0	108

^a no. of days from seeding to maturity

* no. of locations

** 1999 DATA ONLY

¹ hullless oats

**TESTING AREA V & VI
OATS
AGRONOMIC DATA, 1997-99**

Cultivar	Yield t/ha (6)*	wt/hl kg (7)	Kernel Weight g/1000 (7)	Height cm (6)	Lodging 0-9** (2)	Maturity ^a days (5)
AC Assiniboia	5.66	46.0	36.9	98	1.0	107
AC Francis	5.62	47.3	35.6	92	2.0	104
AC Rigodon	6.11	46.9	36.6	102	1.0	105
AC Stewart	5.54	46.8	37.5	86	0.5	105
Ida	5.36	47.7	32.1	92	1.0	105
Irish	5.91	45.8	33.8	90	0.5	106
Moffat	5.51	46.2	31.8	81	0.5	107
OAC Paisley	6.22	46.4	36.0	92	0.5	105
GA921019	5.18	44.9	31.1	90	2.5	102
GA921021	5.34	47.7	33.1	98	1.0	105
AC Baton ¹	3.87	54.3	29.7	102	1.0	105

^a no. of days from seeding to maturity

* no. of locations

** 1997, 1999 DATA ONLY

¹ hulless oats

AGRONOMIC DATA, 1996-99

Cultivar	Yield t/ha (7)*	wt/hl kg (8)	Kernel Weight g/1000 (8)	Height cm (7)	Lodging 0-9** (3)	Maturity ^a days (6)
AC Assiniboia	5.63	46.5	37.0	97	1.3	106
AC Francis	5.99	47.3	35.4	93	2.3	104
AC Rigodon	6.12	47.4	36.7	101	2.0	105
AC Stewart	5.50	46.7	37.7	87	1.3	104
OAC Paisley	6.35	46.9	36.1	93	0.7	105
AC Baton ¹	3.81	54.7	29.4	102	2.0	105

^a no. of days from seeding to maturity

* no. of locations

** 1996-97, 1999 DATA ONLY

¹ hulless oats

AGRONOMIC DATA, 1995-99

Cultivar	Yield t/ha (12)*	wt/hl kg (13)	Kernel Weight g/1000 (13)	Height cm (12)	Lodging 0-9** (4)	Maturity ^a days (9)
AC Assiniboia	5.08	45.1	35.9	93	1.0	103
AC Rigodon	5.36	46.1	36.5	97	2.0	102
AC Stewart	4.65	44.5	36.7	84	1.0	101
OAC Paisley	5.33	44.2	35.1	89	0.5	101

^a no. of days from seeding to maturity

* no. of locations

** 1995-97, 1999 DATA ONLY

TESTING AREA V & VI
OATS
Yield data for 1999

Cultivar	Temiksaming	Thunder Bay	Average			
			t/ha	Rank	lbs/a	bu/a
AC Assiniboia	5115	4587	4.85	9	4331	127.4
AC Francis	4724	5059	4.89	8	4367	128.5
AC Rigodon	5151	5783	5.47	3	4881	143.6
AC Stewart	5753	5222	5.49	1	4900	144.1
Ida	5189	4737	4.96	7	4431	130.3
Irish	5661	4924	5.29	4	4725	139.0
Moffat	4657	4426	4.54	12	4055	119.3
OAC Paisley	5994	4965	5.48	2	4892	143.9
Robert	4972	3345	4.16	14	3713	109.2
Triple Crown	5098	4283	4.69	11	4188	123.2
GA921019	5364	4297	4.83	10	4313	126.9
GA921021	5039	5383	5.21	5	4653	136.8
OA965-1	5107	3917	4.51	13	4029	118.5
OA966-1	5159	5210	5.18	6	4629	136.1
AC Baton ¹	3593	2836	3.21	16	2870	-
AC Ernie ¹	4019	3692	3.86	15	3442	-
MEAN	5037	4535	4.79	-	4273	-
C.V. %	12.9	9.1	11.0	-	-	-
LSD(0.05)	771	590	0.68	-	-	-

¹ hullless oats

INFORMATION ONLY - KAPUSKASING LOCATION
TESTING AREA V & VI
OATS
AGRONOMIC DATA, 1999

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity ^a days
AC Assiniboia	5.43	49.7	33.1	82	3.8	109
AC Francis	5.74	54.1	34.5	78	4.5	105
AC Rigodon	6.15	50.5	33.9	87	4.3	107
AC Stewart	5.47	50.0	34.8	76	4.3	104
Ida	5.81	52.4	30.9	81	4.0	106
Irish	6.01	51.2	29.9	82	5.0	106
Moffat	5.67	49.3	27.6	70	5.3	105
OAC Paisley	6.07	50.7	33.1	78	3.8	106
Radisson	5.33	51.5	35.1	91	3.3	108
GA921019	4.90	50.3	29.8	78	3.8	105
GA921021	5.22	51.8	29.8	83	4.3	108
OA965-1	5.53	53.2	34.0	81	4.8	107
OA966-1	5.68	53.8	35.8	82	6.0	105
OA974-1	5.75	53.5	34.6	81	4.5	107
AC Baton ¹	3.91	58.4	28.1	88	4.5	107
AC Ernie ¹	4.88	62.4	25.7	89	4.5	106
Mean	5.47	52.7	31.9	82	4.4	106
C.V.%	6.9	-	-	-	-	-
L.S.D. (.05)	0.54	-	-	-	-	-

^a no. of days from seeding to maturity; ¹ hullless oats

INFORMATION ONLY - VERNER LOCATION
TESTING AREA V & VI
OATS
AGRONOMIC DATA, 1999

Cultivar	Yield t/ha	wt/hl kg	Kernel Weight g/1000	Height cm	Lodging 0-9	Maturity ^a days
AC Assiniboia	4.13	46.1	35.8	111	-	-
AC Francis	3.65	43.6	36.8	100	-	-
AC Rigodon	4.53	43.6	38.3	116	-	-
AC Stewart	5.29	42.4	34.5	101	-	-
Ida	4.69	44.9	41.2	99	-	-
Irish	4.95	44.9	34.8	100	-	-
Moffat	3.60	43.6	40.6	90	-	-
OAC Paisley	4.11	44.9	38.0	106	-	-
Radisson	3.12	38.6	33.1	113	-	-
GA921019	5.35	42.4	37.4	104	-	-
GA921021	4.43	44.9	33.9	106	-	-
OA965-1	3.80	43.6	39.6	103	-	-
OA966-1	3.93	44.9	34.9	103	-	-
OA974-1	4.69	43.6	38.6	102	-	-
AC Baton ¹	3.09	52.4	30.9	116	-	-
AC Ernie ¹	3.08	57.4	29.6	112	-	-
Mean	4.15	45.1	36.1	105	-	-
C.V.%	14.9	-	-	-	-	-
L.S.D. (.05)	0.88	-	-	-	-	-

^a no. of days from seeding to maturity; ¹ hullless oats

ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1999

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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
SPWW	SPECIALTY WHITE WINTER
SRW	SOFT RED WINTER
SWW	SOFT WHITE WINTER

ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1999

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-Cartier;SWW:** PRCW9203 - Lennox x Fredrick)F5 x Augusta - R.Pandeya,Agriculture and Agri-Food Canada, Ottawa,ON - Advantage Seed Grower and Processors Inc. - 4626 - Full Registration for Canada.
 - 9 **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.
 - 10 **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.
 - 11 **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.
 - 12 **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.
 - *13 **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.
 - 14 **Patriot;HRW:** CM94090 - 18.178/Aurora//F1684/Pterzia - Pflanzenzucht Oberlimpurg - C&M Seeds - 03/1998, 4714, Regional Registration for NFD,PEI,NS ,NB,ON.
 - 15 **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.

* Entry was dropped from the 1999/2000 Performance Trial.

ONTARIO PERFORMANCE TRIALS; FALL WHEAT 1999

DESCRIPTION OF VARIETIES/LINES TESTED

- Variety Name;class type: experimental designation - pedigree - breeder,institute - sponsor, distributor - date, number and type of registration.
- *16 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.
- *17 Huron;SWW: CO250/B7101//PIONEER W9021R, W.G.Thompson & Sons Ltd./Hensall District Coop./Advantage Seed Growers and Processors Inc. - Interim Registration , 08/97,I229
- 18 Superior;SWW: TW93211 - Rebecca/Harus - L. Shugar, W.G.Thompson & Sons Ltd. - Hensall District Co-op/Advantage Seed Growers and Processors - 4673 - Full Registration for Nfld,PEI,NS,NB,ON.
- 19 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.
- 20 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.
- 21 AC Mackinnon;SWW PRC9308 - R.Pandeya,Agriculture and Agri-Food Canada, Ottawa,ON - C & M Seeds - 4816 - Full Registration for Canada.
- 22 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.
- 23 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.
- *24 AC Zorro;HRW: PRC9325 - Valor/Odessa4 - R.Pandeya,Agriculture & Agri-Food Canada, Ottawa,ON - SeCan - I-247 - Interim registration: Nfld,PEI,NS,NB,ON.
- 25 AC Delta;HRW: PRC9327 - Valor/Odessa4 - R.Pandeya,Agriculture & Agri-Food Canada, Ottawa,ON 4817 - Full Registration for Nfld,PEI,NS,NB,ON.
- 26 Ashland;SRW: F94:010:S1 - Advantage Seed Growers and Processors Inc. - 4793 - Full Registration for Nfld,PEI,NS,NB,ON.
- 27 CM95009;HRW-a: 99.17pf/448.21pf - Dr.Peter Franck, Pflanzucht Oberlimpurg - C&M Seeds - Registration Pending.
- 28 CM951067;SRW: 89-17229//OH413/C9803 - Dr. Alan Shambaugh - C&M Seeds - Registration Pending.
- 29 Caledonia;SWW: Geneva Reselection - Cornell University - W.G.Thompson & Sons Ltd. July 26/1999 - 4960 - Full Registration for Canada
- 30 Wisdom;SRW: 139J - T812/FL302 - Private, U.S. - W.G.Thompson & Sons Ltd. July 26/1999 - 4961 - Full Registration for Canada
- 31 TW95412;HWW: Eka Nova/Bezostaja-1//Fredrick/3/Harus/Augusta - L. Shugar, W.G.Thompson & Sons Ltd. - Contract Registration pending.

* Entry was dropped from the 1999/2000 Performance Trial.

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999
MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD INDEX
YEAR(S): 93-99

KEY NAME	AREA I (21)* MEAN	AREA II (37) MEAN	AREA III (9) MEAN	PROV. (67)** MEAN
1 HARUS;SWW	96.9	98.7	94.9	97.6
2 KARENA;SWW	98.4	100.3	102.2	100.0
3 AC RON;SWW	101.6	101.4	106.6	102.2
4 OAC ARISS;SWW	99.6	100.0	98.6	99.7
5 FUNDULEA;HRW	103.4	99.5	97.7	100.5
OVERALL MEAN (T/HA)	5.26	5.35	5.18	5.30

TRAIT : YIELD INDEX
YEAR(S): 95-99

KEY NAME	AREA I (17)* MEAN	AREA II (25) MEAN	AREA III (5) MEAN	PROV. (47)** MEAN
1 HARUS;SWW	95.8	96.7	93.6	96.0
2 KARENA;SWW	97.9	100.5	98.4	99.3
3 AC RON;SWW	101.4	100.1	108.5	101.5
4 OAC ARISS;SWW	99.2	99.6	99.1	99.4
5 FUNDULEA;HRW	102.4	96.6	96.8	98.7
6 MARILEE;SWW	96.9	102.6	103.1	100.6
7 FREEDOM;SRW	106.4	103.9	100.6	104.5
OVERALL MEAN (T/HA)	5.32	5.68	4.89	5.47

TRAIT : YIELD INDEX
YEAR(S): 96-99

KEY NAME	AREA I (13)* MEAN	AREA II (17) MEAN	AREA III (3) MEAN	PROV. (33)** MEAN
1 HARUS;SWW	94.9	96.5	91.5	95.4
2 KARENA;SWW	97.1	102.0	95.7	99.5
3 AC RON;SWW	100.4	98.0	111.8	100.2
4 OAC ARISS;SWW	99.3	99.1	97.0	99.0
5 FUNDULEA;HRW	100.4	95.0	94.5	97.1
6 MARILEE;SWW	97.9	102.7	103.8	100.9
7 FREEDOM;SRW	104.9	103.3	96.6	103.3
9 AC MORLEY;HRW	96.5	103.5	94.5	99.9
10 25W33;SWW-a	106.2	103.5	109.0	105.1
11 HANOVER;HRW	94.3	93.0	102.6	94.4
12 MENDON;SRW	108.1	103.3	103.1	105.2
OVERALL MEAN (T/HA)	5.07	5.57	4.97	5.32

* # OF LOCATIONS
** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD INDEX
YEAR(S): 97-99

KEY NAME	AREA I (9)* MEAN	AREA II (13) MEAN	AREA III (2)+ MEAN	PROV. (24)** MEAN
1 HARUS;SWW	96.5	97.6	91.2	96.7
2 KARENA;SWW	98.2	102.6	97.5	100.5
3 AC RON;SWW	100.3	99.5	110.6	100.7
4 OAC ARISS;SWW	98.2	99.0	97.9	98.6
5 FUNDULEA;HRW	99.7	95.0	96.5	96.9
6 MARILEE;SWW	95.8	101.8	102.7	99.6
7 FREEDOM;SRW	102.2	101.9	94.0	101.4
9 AC MORLEY;HRW	93.4	100.8	95.4	97.6
10 25W33;SWW-a	105.8	100.5	105.4	102.9
11 HANOVER;HRW	93.5	92.5	97.3	93.3
12 MENDON;SRW	105.2	104.2	107.2	104.8
13 OAC MONTROSE;HRW	91.5	89.2	77.4	89.1
14 PATRIOT;HRW	98.2	97.8	99.5	98.1
15 2540;SRW-a	112.9	105.0	109.0	108.3
16 25R57;SRW	105.9	105.1	103.5	105.3
17 HURON;SWW	102.5	101.7	103.5	102.2
18 SUPERIOR;SWW	100.1	105.7	111.3	104.1
OVERALL MEAN (T/HA)	5.46	5.89	4.95	5.65

+ THERE WERE NO AREA III LOCATIONS IN 1997

TRAIT : YIELD INDEX
YEAR(S): 98-99

KEY NAME	AREA I (6)* MEAN	AREA II (9) MEAN	AREA III (2) MEAN	PROV. (17)** MEAN
1 HARUS;SWW	97.8	99.8	90.6	98.0
2 KARENA;SWW	97.8	103.2	96.9	100.5
3 AC RON;SWW	99.8	99.9	110.0	101.1
4 OAC ARISS;SWW	96.5	97.4	97.3	97.1
5 FUNDULEA;HRW	99.2	94.8	96.0	96.5
6 MARILEE;SWW	97.1	100.7	102.1	99.6
7 FREEDOM;SRW	102.4	101.3	93.4	100.8
8 AC CARTIER;SWW	95.6	98.9	108.0	98.8
9 AC MORLEY;HRW	92.0	101.9	94.8	97.6
10 25W33;SWW-a	105.7	102.0	104.8	103.6
11 HANOVER;HRW	95.3	92.6	96.8	94.0
12 MENDON;SRW	106.7	108.0	106.5	107.4
13 OAC MONTROSE;HRW	90.2	87.4	76.9	87.2
14 PATRIOT;HRW	100.2	100.1	98.9	100.0
15 2540;SRW-a	113.3	107.1	108.3	109.4
16 25R57;SRW	109.4	106.8	103.0	107.3
17 HURON;SWW	102.5	104.5	102.9	103.6
18 SUPERIOR;SWW	99.9	107.2	110.7	105.0
19 25R26;SRW-a	113.5	101.8	95.2	105.1
20 25W60;SWW-a	115.5	106.7	101.5	109.2
21 AC MACKINNON;SWW	101.9	104.3	109.6	104.1
22 AC MOUNTAIN;SWW	108.7	102.3	113.3	105.8
23 AC ESSEX;SWW	107.4	102.1	117.2	105.8
24 AC ZORRO;HRW	75.6	86.7	86.0	82.7
25 AC DELTA;HRW	73.9	82.7	88.9	80.3
26 ASHLAND;SRW	102.4	99.7	90.2	99.5
OVERALL MEAN (T/HA)	5.37	5.88	4.98	5.59

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD INDEX
YEAR(S): 1999

KEY NAME	AREA I (3)*	AREA II (5)	AREA III (1)	PROV. (9)**
	MEAN	MEAN	MEAN	MEAN
1 HARUS;SWW	95.6	98.4	87.9	96.3
2 KARENA;SWW	96.0	101.0	88.5	98.0
3 AC RON;SWW	102.8	96.2	110.9	100.0
4 OAC ARISS;SWW	98.2	95.7	85.3	95.4
5 FUNDULEA;HRW	98.8	95.0	103.9	97.3
6 MARILEE;SWW	101.6	102.7	103.0	102.3
7 FREEDOM;SRW	102.4	100.8	96.6	100.9
8 AC CARTIER;SWW	97.7	102.4	105.3	101.2
9 AC MORLEY;HRW	93.3	102.3	91.3	98.1
10 25W33;SWW-a	106.1	103.4	106.6	104.6
11 HANOVER;HRW	95.4	94.4	102.8	95.7
12 MENDON;SRW	105.3	106.3	102.6	105.5
13 OAC MONTROSE;HRW	88.8	87.0	78.3	86.7
14 PATRIOT;HRW	95.3	99.0	103.0	98.2
15 2540;SRW-a	109.4	106.0	102.6	106.8
16 25R57;SRW	103.6	105.2	109.6	105.2
17 HURON;SWW	104.1	104.8	103.0	104.4
18 SUPERIOR;SWW	104.8	106.6	113.9	106.8
19 25R26;SRW-a	106.4	100.8	92.8	101.8
20 25W60;SWW-a	108.7	103.0	99.8	104.5
21 AC MACKINNON;SWW	98.0	98.5	105.8	99.2
22 AC MOUNTAIN;SWW	102.4	95.0	111.7	99.3
23 AC ESSEX;SWW	104.5	100.4	117.9	103.7
24 AC ZORRO;HRW	85.2	89.9	82.8	87.5
25 AC DELTA;HRW	85.6	87.1	89.2	86.8
26 ASHLAND;SRW	100.1	102.0	92.8	100.4
27 CM95009;HRW-a	95.7	103.5	94.1	99.9
28 CM951067;SRW	99.9	105.0	97.0	102.4
29 CALEDONIA;SWW	104.6	101.3	114.5	103.9
30 WISDOM;SRW	105.2	103.2	110.9	104.7
31 TW95412;SPWW	104.3	103.0	95.6	102.6
OVERALL MEAN(T/HA)	5.96	5.75	4.70	5.70

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRAIT : YIELD (T/HA)
 YEAR(S): 93-99

KEY NAME	AREA I (21)* MEAN	AREA II (37) MEAN	AREA III (9) MEAN	PROV. (67)** MEAN
1 HARUS;SWW	5.09	5.28	4.94	5.17
2 KARENA;SWW	5.18	5.39	5.30	5.31
3 AC RON;SWW	5.37	5.45	5.52	5.43
4 OAC ARISS;SWW	5.24	5.36	5.09	5.29
5 FUNDULEA;HRW	5.43	5.30	5.05	5.31
OVERALL MEAN (T/HA)	5.26	5.35	5.18	5.30

TRAIT : YIELD INDEX
 YEAR(S): 93-99

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (21)* MEAN	AREA II (37) MEAN	AREA III (9) MEAN	PROV. (67)** MEAN
1 HARUS;SWW	96.9	98.7	94.9	97.6
2 KARENA;SWW	98.4	100.3	102.2	100.0
3 AC RON;SWW	101.6	101.4	106.6	102.2
4 OAC ARISS;SWW	99.6	100.0	98.6	99.7
5 FUNDULEA;HRW	103.4	99.5	97.7	100.5
OVERALL MEAN (T/HA)	5.26	5.35	5.18	5.30

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S): 93-99
 MGMT : NORMAL
 AREA : 1

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	5	5.09	73.0	35	81	0.5	101	156	1.5	3.3	4.4	7.0	2.0	.	0.8	.	191
2 KARENA;SWW	4	5.18	73.2	35	89	1.2	105	157	1.5	2.8	3.6	5.0	1.9	.	1.2	.	192
3 AC RON;SWW	2	5.37	72.3	34	90	1.4	104	156	1.9	3.5	4.6	5.0	2.8	.	1.3	.	191
4 OAC ARISS;SWW	3	5.24	74.5	32	91	1.5	95	157	1.7	4.3	3.9	6.0	1.3	.	1.3	.	191
5 FUNDULEA;HRW	1	5.43	77.6	34	84	0.3	95	157	2.7	0.6	5.2	6.0	1.4	.	0.7	.	192
LOCATIONS		21	17	17	4	14	21	18	18	11	5	1	6	0	6	0	5

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.
 1999: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S): 93-99
 MGMT : NORMAL
 AREA : 2

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	5	5.28	73.4	36	90	0.9	98	161	1.5	3.3	3.6	4.4	2.8	4.0	1.0	2.7	197
2 KARENA;SWW	2	5.39	72.0	35	92	1.6	102	162	1.5	2.6	3.3	3.0	2.2	5.7	1.7	3.1	198
3 AC RON;SWW	1	5.45	71.6	35	92	1.9	100	162	1.9	3.6	3.4	2.8	3.9	3.7	1.9	4.0	198
4 OAC ARISS;SWW	3	5.36	73.6	33	92	1.4	93	163	1.8	4.2	3.4	2.8	2.5	3.3	1.5	2.6	198
5 FUNDULEA;HRW	4	5.30	76.2	33	92	0.7	91	163	2.4	1.2	3.9	4.4	2.5	1.5	1.5	0.8	198
LOCATIONS		37	39	39	16	25	38	33	26	10	21	6	5	2	3	6	13

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.
 1999: NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S): 93-99
 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	4.94	77.5	36	79	0.8	94	164	1.8	.	.	.	.	.	.	.	.
2 KARENA;SWW	2	5.30	77.8	37	79	0.8	98	164	0.8	.	.	.	.	.	.	.	.
3 AC RON;SWW	1	5.52	74.6	36	86	0.6	99	164	2.3	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	3	5.09	78.4	34	84	1.4	90	165	0.9	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	4	5.05	81.4	36	77	1.0	87	165	2.1	.	.	.	.	.	.	.	.
LOCATIONS		9	10	11	7	4	11	11	4	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.
 1999: OTTAWA-1.

YEAR(S): 93-99
 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	5.17	73.9	36	86	0.8	98	160	1.5	3.3	3.8	4.7	2.4	4.0	0.9	2.7	195
2 KARENA;SWW	2	5.31	73.2	35	88	1.4	102	161	1.4	2.7	3.3	3.3	2.1	5.7	1.3	3.1	196
3 AC RON;SWW	1	5.43	72.2	35	90	1.6	101	161	1.9	3.6	3.6	3.1	3.3	3.7	1.5	4.0	196
4 OAC ARISS;SWW	4	5.29	74.6	33	90	1.4	94	162	1.7	4.2	3.5	3.3	1.9	3.3	1.4	2.6	196
5 FUNDULEA;HRW	2	5.31	77.4	34	87	0.6	91	162	2.5	0.9	4.1	4.7	1.9	1.5	1.0	0.8	196
LOCATIONS		67	66	67	27	43	70	62	48	21	26	7	11	2	9	6	18

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-1.
 1999: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH, OTTAWA-1.

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRAIT : YIELD
YEAR(S): 95-99

KEY NAME	AREA I (17)* MEAN	AREA II (25) MEAN	AREA III (5) MEAN	PROV. (47)** MEAN
1 HARUS;SWW	5.10	5.49	4.58	5.26
2 KARENA;SWW	5.23	5.71	4.82	5.44
3 AC RON;SWW	5.44	5.70	5.31	5.56
4 OAC ARISS;SWW	5.29	5.66	4.87	5.44
5 FUNDULEA;HRW	5.45	5.48	4.72	5.39
6 MARILEE;SWW	5.11	5.81	5.03	5.48
7 FREEDOM;SRW	5.63	5.91	4.91	5.70
OVERALL MEAN(T/HA)	5.32	5.68	4.89	5.47

TRAIT : YIELD INDEX
YEAR(S): 95-99

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (17)* MEAN	AREA II (25) MEAN	AREA III (5) MEAN	PROV. (47)** MEAN
1 HARUS;SWW	95.8	96.7	93.6	96.0
2 KARENA;SWW	97.9	100.5	98.4	99.3
3 AC RON;SWW	101.4	100.1	108.5	101.5
4 OAC ARISS;SWW	99.2	99.6	99.1	99.4
5 FUNDULEA;HRW	102.4	96.6	96.8	98.7
6 MARILEE;SWW	96.9	102.6	103.1	100.6
7 FREEDOM;SRW	106.4	103.9	100.6	104.5
OVERALL MEAN(T/HA)	5.32	5.68	4.89	5.47

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S): 95-99
 AREA(S): 1 - 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	HW95N	WE95N	RN95N	ID95N	NN95N	CA95N	LN95N	WP95N	WK95N	EA95N	GH95N	HN95N
1 HARUS	94	96	99	97	101	99	86	96	92	98	98	98
2 KARENA	94	104	98	97	97	86	94	101	97	102	96	98
3 AC RON	106	101	101	102	101	106	106	101	105	103	105	101
4 OAC ARISS	84	101	98	105	96	103	98	97	102	101	97	102
5 FUNDULEA	118	107	101	100	99	101	106	98	96	91	107	94
6 MARILEE	87	86	93	100	99	104	102	102	100	102	101	100
7 FREEDOM	118	107	110	99	107	100	108	105	108	104	95	106
LOCATION MEAN	5.96	6.76	6.64	5.61	6.45	4.32	5.10	6.30	7.08	7.42	5.60	5.49

KEY NAME	KE95N	O195N	HW96N	WE96N	RN96N	ID96N	LN96N	CA96N	WK96N	EA96N	O196N	WE97N
1 HARUS	96	94	85	91	97	88	94	92	91	98	93	93
2 KARENA	101	100	105	85	92	93	97	104	101	102	93	109
3 AC RON	98	105	97	112	97	94	85	93	100	98	115	110
4 OAC ARISS	98	103	102	109	93	100	96	104	94	108	96	110
5 FUNDULEA	98	99	111	101	93	100	106	97	99	82	91	103
6 MARILEE	103	97	106	96	98	110	106	107	107	106	107	77
7 FREEDOM	107	102	93	106	129	114	115	103	109	107	103	99
LOCATION MEAN	4.43	5.29	4.87	5.93	3.40	2.75N	3.91	3.27	5.26	5.60	4.96	6.90

KEY NAME	RN97N	ID97N	NN97N	WK97N	EA97N	HN97N	WE98N	RN98N	ID98N	NN98N	WK98N	EA98N
1 HARUS	102	90	89	93	92	98	109	98	99	100	96	104
2 KARENA	103	89	104	100	98	105	100	101	105	105	108	105
3 AC RON	100	97	100	103	98	95	97	102	98	101	108	99
4 OAC ARISS	95	104	105	98	108	100	100	95	96	100	98	95
5 FUNDULEA	92	111	100	99	97	87	104	104	97	93	93	97
6 MARILEE	104	102	105	107	101	103	90	95	98	101	95	98
7 FREEDOM	105	107	97	100	106	112	100	106	108	100	102	102
LOCATION MEAN	5.99	3.83	5.60	6.18	6.47	5.33	4.21	5.27	4.58	6.18	5.93	6.68

KEY NAME	HN98N	O198N	WE99N	RN99N	ID99N	NN99N	WK99N	EA99N	HN99N	BH99N	O199N	MEAN*
1 HARUS	103	94	97	92	100	95	98	104	101	101	91	96
2 KARENA	102	106	95	96	99	98	95	110	105	104	92	99
3 AC RON	106	110	103	103	105	97	94	108	97	92	115	102
4 OAC ARISS	102	110	105	96	95	98	99	91	99	98	88	99
5 FUNDULEA	91	89	98	103	97	100	106	91	87	100	108	99
6 MARILEE	96	102	103	103	100	107	99	98	106	110	107	101
7 FREEDOM	100	91	98	107	104	106	108	97	105	95	100	105
LOCATION MEAN	5.60	5.23	6.60	6.23	4.96	6.12	7.64	4.81	4.87	4.79	4.54	5.47

* AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S): 95-99
 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	7	5.10	73.1	35	81	0.4	101	155	1.3	2.5	4.0	.	2.8	.	0.8	.	191
2 KARENA;SWW	5	5.23	73.5	35	89	1.1	105	156	1.6	2.5	3.5	.	2.9	.	0.7	.	192
3 AC RON;SWW	3	5.44	72.9	35	90	1.2	104	155	1.9	3.1	4.7	.	4.7	.	0.9	.	191
4 OAC ARISS;SWW	4	5.29	74.7	32	91	1.7	96	157	1.7	4.1	3.4	.	2.3	.	0.9	.	191
5 FUNDULEA;HRW	2	5.45	77.8	34	84	0.4	95	157	2.8	0.5	4.8	.	2.2	.	0.5	.	192
6 MARILEE;SWW	6	5.11	72.2	38	82	0.9	99	158	2.4	4.2	2.9	.	3.0	.	1.7	.	193
7 FREEDOM;SRW	1	5.63	73.5	33	84	1.4	94	155	1.9	0.6	4.0	.	2.2	.	0.5	.	193
LOCATIONS	17	14	14	4	11	16	13	14	7	4	0	3	0	5	0	5	

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.
 1999: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S): 95-99
 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	5.49	74.3	37	90	0.8	98	159	1.5	3.1	4.2	1.8	3.3	6.0	0.5	0.2	197
2 KARENA;SWW	3	5.71	73.5	36	92	1.6	103	160	1.3	2.5	3.8	1.6	2.4	8.0	0.4	1.5	198
3 AC RON;SWW	4	5.70	72.8	36	91	1.9	101	160	1.7	3.4	4.1	1.0	4.6	6.0	0.4	2.7	198
4 OAC ARISS;SWW	5	5.66	75.2	35	92	1.7	94	161	1.7	4.0	4.0	1.0	2.9	5.3	0.6	0.4	198
5 FUNDULEA;HRW	7	5.48	76.9	34	90	0.9	91	162	2.5	1.4	4.3	1.6	3.0	1.0	0.4	0.0	198
6 MARILEE;SWW	2	5.81	72.1	40	87	1.6	97	162	2.1	4.6	4.1	2.2	3.0	1.0	1.3	0.0	199
7 FREEDOM;SRW	1	5.91	74.1	34	87	2.2	92	160	1.3	1.8	3.8	1.6	2.6	4.3	0.6	0.0	198
LOCATIONS	25	26	26	10	16	25	24	21	8	13	2	4	1	1	2	13	

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.
 1999: NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH.

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S): 95-99
 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	7	4.58	76.4	35	79	1.5	89	157	1.6	.	.	.	.	.	.	.	.
2 KARENA;SWW	5	4.82	76.5	36	74	1.6	91	159	1.0	.	.	.	.	.	.	.	.
3 AC RON;SWW	1	5.31	72.7	35	88	1.0	93	158	1.8	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	4	4.87	77.8	33	82	1.0	84	159	0.9	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	6	4.72	80.3	36	76	2.0	83	160	2.5	.	.	.	.	.	.	.	.
6 MARILEE;SWW	2	5.03	74.7	38	80	1.0	89	159	1.6	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	3	4.91	75.9	35	79	2.2	83	157	0.7	.	.	.	.	.	.	.	.
LOCATIONS		5	6	7	4	2	7	7	3	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.
 1999: OTTAWA-1.

YEAR(S): 95-99
 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	7	5.26	74.2	36	86	0.7	97	158	1.4	2.8	4.1	1.8	3.1	6.0	0.8	0.2	195
2 KARENA;SWW	4	5.44	73.9	36	87	1.4	102	159	1.4	2.5	3.7	1.6	2.6	8.0	0.7	1.5	196
3 AC RON;SWW	2	5.56	72.8	35	90	1.6	101	158	1.8	3.3	4.2	1.0	4.6	6.0	0.8	2.7	196
4 OAC ARISS;SWW	4	5.44	75.4	34	90	1.6	93	159	1.6	4.1	3.9	1.0	2.6	5.3	0.8	0.4	196
5 FUNDULEA;HRW	6	5.39	77.6	34	86	0.7	91	160	2.6	1.0	4.4	1.6	2.7	1.0	0.5	0.0	196
6 MARILEE;SWW	3	5.48	72.4	39	84	1.3	97	160	2.2	4.4	3.8	2.2	3.0	1.0	1.7	0.0	198
7 FREEDOM;SRW	1	5.70	74.2	34	85	1.9	91	158	1.5	1.3	3.8	1.6	2.4	4.3	0.6	0.0	197
LOCATIONS		47	46	47	18	29	48	44	38	15	17	2	7	1	6	2	18

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-1.
 1999: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH, OTTAWA-1.

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRAIT : YIELD
YEAR(S): 96-99

KEY NAME	AREA I (13)* MEAN	AREA II (17) MEAN	AREA III (3) MEAN	PROV. (33)** MEAN
1 HARUS;SWW	4.82	5.38	4.56	5.09
2 KARENA;SWW	4.95	5.67	4.78	5.31
3 AC RON;SWW	5.14	5.48	5.56	5.35
4 OAC ARISS;SWW	5.06	5.52	4.85	5.28
5 FUNDULEA;HRW	5.09	5.30	4.68	5.16
6 MARILEE;SWW	4.93	5.70	5.16	5.35
7 FREEDOM;SRW	5.27	5.75	4.80	5.48
9 AC MORLEY;HRW	4.86	5.73	4.70	5.29
10 25W33;SWW-a	5.37	5.76	5.42	5.58
11 HANOVER;HRW	4.75	5.20	5.09	5.01
12 MENDON;SRW	5.47	5.77	5.13	5.59
OVERALL MEAN (T/HA)	5.07	5.57	4.97	5.32

TRAIT : YIELD INDEX
YEAR(S): 96-99

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (13)* MEAN	AREA II (17) MEAN	AREA III (3) MEAN	PROV. (33)** MEAN
1 HARUS;SWW	94.9	96.5	91.5	95.4
2 KARENA;SWW	97.1	102.0	95.7	99.5
3 AC RON;SWW	100.4	98.0	111.8	100.2
4 OAC ARISS;SWW	99.3	99.1	97.0	99.0
5 FUNDULEA;HRW	100.4	95.0	94.5	97.1
6 MARILEE;SWW	97.9	102.7	103.8	100.9
7 FREEDOM;SRW	104.9	103.3	96.6	103.3
9 AC MORLEY;HRW	96.5	103.5	94.5	99.9
10 25W33;SWW-a	106.2	103.5	109.0	105.1
11 HANOVER;HRW	94.3	93.0	102.6	94.4
12 MENDON;SRW	108.1	103.3	103.1	105.2
OVERALL MEAN (T/HA)	5.07	5.57	4.97	5.32

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S): 96-99
 AREA(S): 1 - 3

KEY NAME	HW96N	WE96N	RN96N	ID96N	LN96N	CA96N	WK96N	EA96N	O196N	WE97N	RN97N
1 HARUS;SWW	85	90	92	89	94	90	89	93	92	94	103
2 KARENA;SWW	105	84	86	93	97	102	99	97	92	110	103
3 AC RON;SWW	97	110	91	95	85	91	98	93	113	112	100
4 OAC ARISS;SWW	102	107	88	100	96	102	92	102	94	112	95
5 FUNDULEA;HRW	111	100	88	101	106	95	97	78	90	104	92
6 MARILEE;SWW	105	94	92	110	106	105	105	101	105	78	105
7 FREEDOM;SRW	93	105	122	114	115	101	107	102	101	100	105
9 AC MORLEY;HRW	90	103	98	114	111	118	113	102	92	99	97
10 25W33;SWW-a	107	96	127	90	105	108	112	122	115	96	115
11 HANOVER;HRW	93	93	100	90	77	93	97	107	112	82	86
12 MENDON;SRW	111	117	116	104	107	95	92	103	94	113	98
LOCATION MEAN	4.87	6.00	3.61	2.74	3.91	3.33	5.37	5.89	5.06	6.80	5.95

KEY NAME	ID97N	NN97N	WK97N	EA97N	HN97N	WE98N	RN98N	ID98N	NN98N	WK98N	EA98N
1 HARUS;SWW	89	89	95	94	99	108	98	99	99	99	104
2 KARENA;SWW	88	105	102	100	106	99	100	104	104	111	104
3 AC RON;SWW	95	100	105	101	95	96	101	97	101	112	99
4 OAC ARISS;SWW	102	106	100	111	101	99	94	95	100	102	94
5 FUNDULEA;HRW	109	100	101	99	88	103	103	96	93	96	97
6 MARILEE;SWW	100	106	109	104	104	89	95	97	101	98	98
7 FREEDOM;SRW	105	98	101	108	113	99	105	107	99	106	101
9 AC MORLEY;HRW	97	95	99	100	106	92	88	96	96	97	106
10 25W33;SWW-a	111	102	103	93	99	106	112	103	105	83	98
11 HANOVER;HRW	104	101	88	91	96	96	98	95	91	87	87
12 MENDON;SRW	100	99	97	100	94	113	106	110	110	109	112
LOCATION MEAN	3.90	5.57	6.07	6.32	5.29	4.25	5.30	4.61	6.20	5.73	6.72

KEY NAME	HN98N	O198N	WE99N	RN99N	ID99N	NN99N	WK99N	EA99N	HN99N	BH99N	O199N	MEAN*
1 HARUS;SWW	101	93	99	90	99	94	96	101	102	101	90	95
2 KARENA;SWW	100	105	97	94	97	97	93	107	106	103	90	100
3 AC RON;SWW	104	109	105	101	103	96	92	104	98	92	113	100
4 OAC ARISS;SWW	100	109	107	95	94	97	97	88	100	98	87	99
5 FUNDULEA;HRW	90	88	101	102	95	99	103	88	87	100	106	97
6 MARILEE;SWW	94	101	105	102	99	106	97	95	107	110	105	101
7 FREEDOM;SRW	98	90	101	105	103	105	106	94	106	95	98	103
9 AC MORLEY;HRW	104	98	87	100	95	98	103	102	104	106	93	100
10 25W33;SWW-a	110	103	107	105	108	105	109	105	110	90	109	105
11 HANOVER;HRW	93	91	91	99	97	95	101	104	80	95	105	94
12 MENDON;SRW	106	111	101	107	110	110	102	110	100	112	105	105
LOCATION MEAN	5.71	5.25	6.46	6.33	5.03	6.19	7.79	4.96	4.83	4.80	4.61	5.32

* AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S): 96-99
 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	10 4.82	73.2	35	81	0.5	96	155	1.2	1.3	4.0	.	2.8	.	1.4	.	191
2 KARENA;SWW	7 4.95	73.8	35	89	0.7	101	156	1.3	1.3	3.5	.	2.9	.	0.9	.	192
3 AC RON;SWW	4 5.14	73.1	34	90	1.2	98	156	1.6	2.1	4.7	.	4.7	.	1.5	.	191
4 OAC ARISS;SWW	4 5.14	73.1	34	90	1.2	98	156	1.6	2.1	4.7	.	4.7	.	1.5	.	191
5 FUNDULEA;HRW	6 5.06	75.3	32	91	1.3	91	157	1.4	2.6	3.4	.	2.3	.	0.8	.	191
6 MARILEE;SWW	5 5.09	78.0	34	84	0.5	90	157	2.6	0.8	4.8	.	2.2	.	0.9	.	192
7 FREEDOM;SRW	8 4.93	72.5	38	82	0.7	94	158	2.1	2.3	2.9	.	3.0	.	2.2	.	193
9 AC MORLEY;HRW	3 5.27	73.6	33	84	1.3	89	155	1.9	0.6	4.0	.	2.2	.	0.6	.	193
10 25W33;SWW-a	2 5.37	73.0	30	78	0.5	80	155	1.1	0.8	4.2	.	2.6	.	1.2	.	191
11 HANOVER;HRW	11 4.75	73.2	37	91	0.5	92	156	2.4	0.3	5.0	.	4.7	.	1.2	.	192
12 MENDON;SRW	1 5.47	73.2	38	93	2.4	98	154	1.5	1.8	4.8	.	2.6	.	0.9	.	190
LOCATIONS																

YIELD AVERAGES WERE BASED ON DATA FROM:
 1996: HARROW, WOODSLEE, RIDGETOWN, INWOOD.
 1997: WOODSLEE, RIDGETOWN, INWOOD.
 1998: WOODSLEE, RIDGETOWN, INWOOD.
 1999: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S): 96-99
 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	9 5.38	74.9	37	88	0.3	94	159	1.6	3.2	4.3	2.0	3.3	.	0.5	0.0	198
2 KARENA;SWW	6 5.67	74.0	36	91	1.5	99	160	1.5	2.5	3.8	2.5	2.4	.	0.4	1.0	199
3 AC RON;SWW	8 5.48	73.2	35	90	1.3	97	160	1.9	3.5	4.0	1.5	4.6	.	0.4	2.0	199
4 OAC ARISS;SWW	7 5.52	75.7	35	91	1.0	90	161	1.7	4.0	4.1	1.5	2.9	.	0.6	0.0	199
5 FUNDULEA;HRW	10 5.30	76.9	34	87	0.5	86	161	2.6	1.5	4.6	2.0	3.0	.	0.4	0.0	198
6 MARILEE;SWW	5 5.70	72.5	39	84	0.5	93	162	2.3	4.9	4.1	3.0	3.0	.	1.3	0.0	201
7 FREEDOM;SRW	3 5.75	74.7	33	84	1.5	88	159	1.4	1.9	4.1	1.5	2.6	.	0.6	0.0	199
9 AC MORLEY;HRW	4 5.73	78.1	37	86	2.3	102	160	1.1	0.9	3.8	1.5	2.0	.	0.8	0.0	199
10 25W33;SWW-a	2 5.76	73.0	32	83	0.2	77	159	0.4	1.2	3.7	1.0	3.2	.	0.5	3.0	199
11 HANOVER;HRW	11 5.20	72.1	39	88	0.3	89	161	2.5	1.9	4.1	2.5	5.1	.	0.1	0.0	199
12 MENDON;SRW	1 5.77	73.5	40	93	2.8	95	158	1.1	2.8	4.3	2.0	3.8	.	0.9	2.5	197
LOCATIONS																

YIELD AVERAGES WERE BASED ON DATA FROM:
 1996: LONDON, CENTRALIA, WOODSTOCK, ELORA .
 1997: NAIRN, ELORA, WOODSTOCK, HARRISTON.
 1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.
 1999: NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH.

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S): 96-99
 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	11	4.56	78.1	37	78	1.0	83	156	1.6	.	.	.	.	.	.	.	.
2 KARENA;SWW	8	4.78	77.8	37	73	1.3	89	157	1.0	.	.	.	.	.	.	.	.
3 AC RON;SWW	1	5.56	72.7	36	87	1.0	87	156	1.8	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	6	4.85	79.0	34	79	1.0	79	157	0.9	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	10	4.68	81.6	39	69	1.0	77	158	2.5	.	.	.	.	.	.	.	.
6 MARILEE;SWW	3	5.16	76.6	40	77	1.0	84	157	1.6	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	7	4.80	77.8	36	73	1.3	76	156	0.7	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	9	4.70	81.1	38	78	1.0	94	156	0.3	.	.	.	.	.	.	.	.
10 25W33;SWW-a	2	5.42	77.8	34	70	1.0	68	156	0.0	.	.	.	.	.	.	.	.
11 HANOVER;HRW	5	5.09	78.4	43	87	1.0	80	157	1.8	.	.	.	.	.	.	.	.
12 MENDON;SRW	4	5.13	77.3	42	74	1.5	84	154	0.6	.	.	.	.	.	.	.	.
LOCATIONS		3	4	4	2	1	4	4	3	0	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.
 1999: OTTAWA-1.

YEAR(S): 96-99
 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	10	5.09	74.7	36	84	0.4	93	157	1.5	2.5	4.2	2.0	3.1	.	1.1	0.0	196
2 KARENA;SWW	6	5.31	74.4	36	87	1.2	98	158	1.4	2.1	3.7	2.5	2.6	.	0.8	1.0	197
3 AC RON;SWW	4	5.35	73.1	35	89	1.3	96	158	1.8	3.0	4.2	1.5	4.6	.	1.2	2.0	196
4 OAC ARISS;SWW	8	5.28	76.0	33	89	1.1	89	159	1.5	3.5	3.9	1.5	2.6	.	0.8	0.0	196
5 FUNDULEA;HRW	9	5.16	77.9	34	83	0.5	86	159	2.6	1.3	4.6	2.0	2.7	.	0.8	0.0	196
6 MARILEE;SWW	4	5.35	73.0	39	82	0.6	92	160	2.1	3.9	3.7	3.0	3.0	.	2.0	0.0	198
7 FREEDOM;SRW	3	5.48	74.7	34	82	1.4	87	157	1.5	1.4	4.0	1.5	2.4	.	0.6	0.0	197
9 AC MORLEY;HRW	7	5.29	78.2	36	86	1.9	103	158	1.0	0.7	4.0	1.5	1.7	.	0.9	0.0	197
10 25W33;SWW-a	2	5.58	73.6	31	80	0.4	77	157	0.6	1.0	3.8	1.0	2.9	.	1.0	3.0	196
11 HANOVER;HRW	11	5.01	73.3	39	88	0.4	89	159	2.4	1.3	4.4	2.5	5.0	.	0.9	0.0	197
12 MENDON;SRW	1	5.59	73.8	39	90	2.6	95	156	1.2	2.4	4.5	2.0	3.3	.	0.9	2.5	195
LOCATIONS		33	33	33	13	17	33	31	29	11	13	1	7	0	4	1	13

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-1.
 1999: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH, OTTAWA-1.

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRAIT : YIELD
YEAR(S) : 97-99

KEY NAME	AREA I (9)*	AREA II (13)	AREA III (2)+	PROV. (24)**
	MEAN	MEAN	MEAN	MEAN
1 HARUS;SWW	5.26	5.74	4.52	5.46
2 KARENA;SWW	5.39	6.01	4.85	5.68
3 AC RON;SWW	5.51	5.85	5.47	5.69
4 OAC ARISS;SWW	5.38	5.83	4.88	5.58
5 FUNDULEA;HRW	5.43	5.62	4.76	5.48
6 MARILEE;SWW	5.22	5.97	5.08	5.62
7 FREEDOM;SRW	5.58	6.01	4.64	5.73
9 AC MORLEY;HRW	5.10	5.92	4.73	5.52
10 25W33;SWW-a	5.76	5.93	5.21	5.80
11 HANOVER;HRW	5.06	5.45	4.80	5.25
12 MENDON;SRW	5.74	6.13	5.32	5.92
13 OAC MONTROSE;HRW	4.97	5.28	3.83	5.04
14 PATRIOT;HRW	5.31	5.77	4.91	5.53
15 2540;SRW-a	6.16	6.19	5.41	6.11
16 25R57;SRW	5.78	6.22	5.11	5.96
17 HURON;SWW	5.60	5.97	5.12	5.76
18 SUPERIOR;SWW	5.51	6.23	5.50	5.90
OVERALL MEAN(T/HA)	5.46	5.89	4.95	5.65

TRAIT : YIELD INDEX
YEAR(S) : 97-99

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (9)*	AREA II (13)	AREA III (2)+	PROV. (24)**
	MEAN	MEAN	MEAN	MEAN
1 HARUS;SWW	96.5	97.6	91.2	96.7
2 KARENA;SWW	98.2	102.6	97.5	100.5
3 AC RON;SWW	100.3	99.5	110.6	100.7
4 OAC ARISS;SWW	98.2	99.0	97.9	98.6
5 FUNDULEA;HRW	99.7	95.0	96.5	96.9
6 MARILEE;SWW	95.8	101.8	102.7	99.6
7 FREEDOM;SRW	102.2	101.9	94.0	101.4
9 AC MORLEY;HRW	93.4	100.8	95.4	97.6
10 25W33;SWW-a	105.8	100.5	105.4	102.9
11 HANOVER;HRW	93.5	92.5	97.3	93.3
12 MENDON;SRW	105.2	104.2	107.2	104.8
13 OAC MONTROSE;HRW	91.5	89.2	77.4	89.1
14 PATRIOT;HRW	98.2	97.8	99.5	98.1
15 2540;SRW-a	112.9	105.0	109.0	108.3
16 25R57;SRW	105.9	105.1	103.5	105.3
17 HURON;SWW	102.5	101.7	103.5	102.2
18 SUPERIOR;SWW	100.1	105.7	111.3	104.1
OVERALL MEAN(T/HA)	5.46	5.89	4.95	5.65

* # OF LOCATIONS
** AVERAGE ACROSS LOCATIONS
+ THERE WERE NO AREA III LOCATIONS IN 1997

65
 ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999
 DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S): 97-99
 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	93	102	89	89	95	95	99	106	96	96
2 KARENA	109	102	88	105	102	100	106	97	99	102
3 AC RON	111	99	96	100	106	101	96	95	99	95
4 OAC ARISS	111	94	102	105	100	111	101	97	93	93
5 FUNDULEA	103	91	109	100	101	99	88	101	102	94
6 MARILEE	77	104	101	106	110	104	104	88	93	95
7 FREEDOM	99	104	105	98	102	108	113	97	104	104
9 AC MORLEY	97	96	97	95	99	100	106	90	86	94
10 25W33	95	114	112	102	104	93	100	104	110	100
11 HANOVER	81	85	105	101	89	91	96	95	96	93
12 MENDON	112	97	100	99	98	100	94	111	105	107
13 OAC MONTROSE	97	84	103	100	94	92	93	97	89	87
14 PATRIOT	83	106	95	94	91	100	94	104	105	104
15 2540	115	113	110	102	99	96	113	115	116	118
16 25R57	97	108	94	98	101	106	108	106	121	116
17 HURON	108	100	102	98	98	99	94	104	94	103
18 SUPERIOR	112	99	93	108	109	106	94	95	91	97
LOCATION MEAN	6.88	6.01	3.89	5.57	6.03	6.31	5.28	4.34	5.38	4.72

KEY NAME	NN98N	WK98N	EA98N	HN98N	O198N	WE99N	RN99N	ID99N	NN99N	WK99N
1 HARUS	99	99	103	100	94	100	90	97	93	93
2 KARENA	103	111	103	99	106	98	93	96	97	90
3 AC RON	100	111	98	103	110	106	100	102	95	90
4 OAC ARISS	99	101	93	99	110	107	94	92	96	94
5 FUNDULEA	92	96	96	89	89	101	101	94	98	100
6 MARILEE	100	98	97	93	102	106	101	98	105	94
7 FREEDOM	99	105	101	97	91	101	105	101	105	103
9 AC MORLEY	95	96	105	103	99	87	99	93	98	100
10 25W33	104	83	97	109	104	107	104	106	104	106
11 HANOVER	91	86	86	93	91	92	98	96	94	98
12 MENDON	109	108	112	105	111	101	106	109	109	99
13 OAC MONTROSE	87	86	91	82	76	89	90	87	92	96
14 PATRIOT	99	100	99	101	95	89	94	103	98	100
15 2540	112	98	104	113	115	106	114	108	108	112
16 25R57	103	107	112	106	97	101	106	104	105	115
17 HURON	101	107	98	104	103	101	102	109	103	98
18 SUPERIOR	107	109	104	105	108	107	102	104	99	112
LOCATION MEAN	6.25	5.76	6.77	5.77	5.23	6.42	6.38	5.10	6.21	8.03

KEY NAME	EA99N	HN99N	BH99N	O199N	MEAN*
1 HARUS	102	101	101	88	97
2 KARENA	108	105	104	89	101
3 AC RON	105	97	93	112	101
4 OAC ARISS	89	99	98	86	99
5 FUNDULEA	89	86	100	104	97
6 MARILEE	96	106	110	104	100
7 FREEDOM	95	104	96	97	101
9 AC MORLEY	103	103	106	92	98
10 25W33	106	109	90	107	103
11 HANOVER	105	79	95	103	93
12 MENDON	111	99	113	103	105
13 OAC MONTROSE	76	85	86	79	89
14 PATRIOT	94	99	102	104	98
15 2540	102	111	96	103	108
16 25R57	106	98	100	110	105
17 HURON	105	110	106	104	102
18 SUPERIOR	110	108	103	115	104
LOCATION MEAN	4.93	4.88	4.77	4.67	5.65

* AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S) : 97-99
 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 5.26	74.1	34	84	0.4	97	151	1.5	1.4	3.0	.	1.3	.	1.1	.	188
2 KARENA;SWW	10 5.39	75.5	36	100	0.5	102	152	1.6	1.3	3.7	.	0.7	.	0.7	.	189
3 AC RON;SWW	7 5.51	75.0	36	100	1.2	99	152	2.1	2.1	4.0	.	1.7	.	1.1	.	188
4 OAC ARISS;SWW	11 5.38	76.3	32	100	1.1	92	153	1.7	3.0	3.2	.	1.0	.	0.8	.	189
5 FUNDULEA;HRW	9 5.43	79.7	36	99	0.0	92	153	3.4	1.1	3.9	.	0.6	.	0.9	.	190
6 MARILEE;SWW	14 5.22	73.8	39	100	0.7	94	154	2.5	2.8	2.4	.	1.0	.	1.9	.	190
7 FREEDOM;SRW	6 5.58	74.9	33	93	1.2	90	151	2.4	0.8	3.0	.	0.7	.	0.9	.	190
9 AC MORLEY;HRW	15 5.10	78.4	35	99	1.5	107	152	1.5	0.3	4.2	.	0.1	.	1.4	.	190
10 25W33;SWW-a	3 5.76	74.6	31	96	0.2	82	150	1.2	0.7	3.7	.	2.2	.	1.4	.	188
11 HANOVER;HRW	16 5.06	75.4	38	98	0.0	92	153	3.0	0.4	4.2	.	2.2	.	0.8	.	190
12 MENDON;SRW	4 5.74	74.2	39	100	2.4	100	150	1.9	1.6	4.2	.	1.2	.	1.2	.	187
13 OAC MONTROSE;HRW	17 4.97	78.0	37	100	0.0	99	149	3.1	1.1	4.2	.	0.1	.	2.1	.	189
14 PATRIOT;HRW	12 5.31	78.5	38	96	0.0	90	150	2.1	0.5	3.7	.	2.0	.	0.9	.	189
15 2540;SRW-a	1 6.16	76.5	35	96	0.9	84	151	1.5	0.7	3.9	.	1.8	.	0.3	.	189
16 25R57;SRW	2 5.78	75.1	34	100	1.0	90	148	1.2	0.6	3.0	.	1.0	.	0.8	.	188
17 HURON;SWW	5 5.60	75.9	36	100	1.1	101	153	1.5	0.3	3.5	.	2.0	.	1.5	.	190
18 SUPERIOR;SWW	7 5.51	74.9	36	100	1.1	95	153	1.9	1.1	3.4	.	1.0	.	1.5	.	190
LOCATIONS	9	8	8	1	5	8	6	8	3	2	0	1	0	2	0	3

YIELD AVERAGES WERE BASED ON DATA FROM:
 1997: WOODSLEE, RIDGETOWN, INWOOD.
 1998: WOODSLEE, RIDGETOWN, INWOOD.
 1999: WOODSLEE, RIDGETOWN, INWOOD.

YEAR(S) : 97-99
 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	14 5.74	75.6	37	93	0.3	91	157	2.2	3.1	3.9	2.0	.	.	0.5	0.0	193
2 KARENA;SWW	5 6.01	74.9	37	96	1.8	97	158	2.0	2.2	3.6	2.5	.	.	0.4	1.0	195
3 AC RON;SWW	11 5.85	74.6	36	93	1.6	95	157	2.5	3.4	3.8	1.5	.	.	0.4	2.0	194
4 OAC ARISS;SWW	12 5.83	76.6	35	99	0.8	88	158	2.2	4.2	3.8	1.5	.	.	0.6	0.0	194
5 FUNDULEA;HRW	15 5.62	78.1	35	97	0.2	84	159	3.4	2.1	4.4	2.0	.	.	0.4	0.0	194
6 MARILEE;SWW	7 5.97	73.5	41	95	0.6	91	159	2.9	5.2	4.0	3.0	.	.	1.3	0.0	196
7 FREEDOM;SRW	5 6.01	75.2	34	92	1.5	86	157	1.9	2.6	3.9	1.5	.	.	0.6	0.0	195
9 AC MORLEY;HRW	10 5.92	78.5	37	92	2.6	99	157	1.4	1.3	3.7	1.5	.	.	0.8	0.0	194
10 25W33;SWW-a	9 5.93	73.6	32	93	0.2	75	157	0.6	1.1	3.9	1.0	.	.	0.5	3.0	194
11 HANOVER;HRW	16 5.45	73.5	40	89	0.2	87	159	3.0	2.5	4.0	2.5	.	.	0.1	0.0	195
12 MENDON;SRW	4 6.13	74.2	40	96	2.9	92	155	1.5	3.1	4.2	2.0	.	.	0.9	2.5	192
13 OAC MONTROSE;HRW	17 5.28	78.5	40	96	0.2	90	156	2.6	3.3	4.7	3.0	.	.	1.2	0.0	194
14 PATRIOT;HRW	13 5.77	78.9	40	97	0.3	85	156	1.6	2.3	4.8	2.5	.	.	0.8	1.0	194
15 2540;SRW-a	3 6.19	76.2	37	92	0.3	78	156	0.9	1.8	3.8	1.5	.	.	0.2	0.0	194
16 25R57;SRW	2 6.22	76.8	37	97	0.2	82	155	1.3	2.0	4.0	1.5	.	.	0.3	0.0	192
17 HURON;SWW	7 5.97	76.6	38	95	1.6	95	158	1.3	0.9	3.2	2.0	.	.	1.1	0.5	195
18 SUPERIOR;SWW	1 6.23	75.5	38	96	0.9	91	158	1.8	3.5	3.5	2.0	.	.	0.5	0.0	195
LOCATIONS	13	13	13	3	6	13	13	11	5	7	1	0	0	1	1	5

YIELD AVERAGES WERE BASED ON DATA FROM:
 1997: NAIRN, ELORA, WOODSTOCK, HARRISTON.
 1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.
 1999: NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH.

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR(S): 97-99
 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	16 4.52	78.3	36	90	1.0	80	152	1.8	.	.	.	.	.	.	.	.
2 KARENA;SWW	11 4.85	78.1	37	79	1.3	86	153	1.0	.	.	.	.	.	.	.	.
3 AC RON;SWW	2 5.47	71.5	36	93	1.0	85	153	1.6	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	10 4.88	79.3	33	89	1.0	77	154	1.2	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	13 4.76	81.9	37	84	1.0	75	154	3.0	.	.	.	.	.	.	.	.
6 MARILEE;SWW	8 5.08	77.2	40	85	1.0	80	154	1.4	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	15 4.64	78.1	34	86	1.3	73	152	0.7	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	14 4.73	81.3	36	86	1.0	90	152	0.2	.	.	.	.	.	.	.	.
10 25W33;SWW-a	5 5.21	78.0	33	76	1.0	66	153	0.1	.	.	.	.	.	.	.	.
11 HANOVER;HRW	12 4.80	78.5	43	88	1.0	77	155	2.2	.	.	.	.	.	.	.	.
12 MENDON;SRW	4 5.32	77.4	41	89	1.5	81	151	0.8	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	17 3.83	80.7	39	86	1.0	80	152	2.8	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	9 4.91	82.2	38	81	1.0	76	153	0.4	.	.	.	.	.	.	.	.
15 2540;SRW-a	3 5.41	79.3	35	75	1.0	71	152	0.4	.	.	.	.	.	.	.	.
16 25R57;SRW	7 5.11	78.6	35	91	1.0	72	151	0.6	.	.	.	.	.	.	.	.
17 HURON;SWW	6 5.12	79.4	36	89	1.5	82	154	0.5	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	1 5.50	78.2	36	90	1.0	83	154	1.5	.	.	.	.	.	.	.	.
LOCATIONS		2	3	3	1	1	3	3	2	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:
 1997: THERE ARE NO YIELD DATA FOR AREA III IN 1997
 1998: OTTAWA-1. 1999: OTTAWA-1.

YEAR(S): 97-99
 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	15 5.46	75.4	36	91	0.4	92	155	1.9	2.5	3.7	2.0	1.3	.	0.9	0.0	191	
2 KARENA;SWW	9 5.68	75.5	37	93	1.2	98	156	1.8	1.9	3.6	2.5	0.7	.	0.6	1.0	193	
3 AC RON;SWW	8 5.69	74.4	36	94	1.4	95	155	2.3	2.9	3.8	1.5	1.7	.	0.9	2.0	192	
4 OAC ARISS;SWW	11 5.58	76.8	34	97	0.9	88	156	1.9	3.7	3.7	1.5	1.0	.	0.7	0.0	192	
5 FUNDULEA;HRW	14 5.48	79.1	35	95	0.2	85	157	3.4	1.7	4.3	2.0	0.6	.	0.8	0.0	193	
6 MARILEE;SWW	10 5.62	74.1	40	94	0.6	91	157	2.6	4.3	3.7	3.0	1.0	.	1.7	0.0	194	
7 FREEDOM;SRW	7 5.73	75.5	34	91	1.4	86	155	2.0	1.9	3.7	1.5	0.7	.	0.8	0.0	193	
9 AC MORLEY;HRW	13 5.52	78.8	36	92	2.0	101	155	1.3	0.9	3.8	1.5	0.1	.	1.2	0.0	192	
10 25W33;SWW-a	5 5.80	74.5	32	90	0.3	76	154	0.8	0.9	3.8	1.0	2.2	.	1.1	3.0	192	
11 HANOVER;HRW	16 5.25	74.7	40	91	0.2	87	156	2.9	1.7	4.1	2.5	2.2	.	0.6	0.0	193	
12 MENDON;SRW	3 5.92	74.6	40	96	2.6	93	153	1.6	2.5	4.2	2.0	1.2	.	1.1	2.5	190	
13 OAC MONTROSE;HRW	17 5.04	78.6	39	95	0.2	92	153	2.8	2.5	4.6	3.0	0.1	.	1.8	0.0	192	
14 PATRIOT;HRW	12 5.53	79.2	39	93	0.2	86	154	1.7	1.6	4.6	2.5	2.0	.	0.9	1.0	193	
15 2540;SRW-a	1 6.11	76.7	36	90	0.6	79	154	1.1	1.4	3.8	1.5	1.8	.	0.3	0.0	192	
16 25R57;SRW	2 5.96	76.5	36	97	0.6	84	153	1.2	1.5	3.8	1.5	1.0	.	0.6	0.0	191	
17 HURON;SWW	6 5.76	76.7	37	95	1.4	95	156	1.3	0.7	3.3	2.0	2.0	.	1.4	0.5	193	
18 SUPERIOR;SWW	4 5.90	75.6	37	96	1.0	91	156	1.8	2.6	3.5	2.0	1.0	.	1.2	0.0	194	
LOCATIONS		24	24	24	5	12	24	22	21	8	9	1	1	0	3	1	8

YIELD AVERAGES WERE BASED ON DATA FROM:
 1997: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON.
 1998: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA-1.
 1999: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH, OTTAWA-1.

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

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ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRAIT : YIELD
YEAR(S): 98-99

KEY NAME	AREA I (6)*	AREA II (9)	AREA III (2)	PROV. (17)**
	MEAN	MEAN	MEAN	MEAN
1 HARUS;SWW	5.23	5.85	4.52	5.48
2 KARENA;SWW	5.24	6.03	4.85	5.61
3 AC RON;SWW	5.39	5.85	5.47	5.64
4 OAC ARISS;SWW	5.20	5.72	4.88	5.44
5 FUNDULEA;HRW	5.34	5.60	4.76	5.41
6 MARILEE;SWW	5.25	5.90	5.08	5.57
7 FREEDOM;SRW	5.51	5.97	4.64	5.65
8 AC CARTIER;SWW	5.15	5.76	5.39	5.50
9 AC MORLEY;HRW	4.95	5.98	4.73	5.47
10 25W33;SWW-a	5.69	6.00	5.21	5.80
11 HANOVER;HRW	5.12	5.45	4.80	5.26
12 MENDON;SRW	5.72	6.34	5.32	6.00
13 OAC MONTROSE;HRW	4.84	5.18	3.83	4.90
14 PATRIOT;HRW	5.34	5.89	4.91	5.58
15 2540;SRW-a	6.07	6.32	5.41	6.12
16 25R57;SRW	5.86	6.32	5.11	6.01
17 HURON;SWW	5.50	6.12	5.12	5.78
18 SUPERIOR;SWW	5.39	6.31	5.50	5.89
19 25R26;SRW-a	6.06	5.98	4.74	5.86
20 25W60;SWW-a	6.18	6.30	5.06	6.11
21 AC MACKINNON;SWW	5.44	6.13	5.47	5.81
22 AC MOUNTAIN;SWW	5.79	6.01	5.64	5.89
23 AC ESSEX;SWW	5.75	6.01	5.83	5.90
24 AC ZORRO;HRW	4.10	5.07	4.29	4.64
25 AC DELTA;HRW	4.04	4.85	4.43	4.51
26 ASHLAND;SRW	5.50	5.87	4.48	5.58
OVERALL MEAN(T/HA)	5.37	5.88	4.98	5.59

TRAIT : YIELD INDEX
YEAR(S): 98-99

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (6)*	AREA II (9)	AREA III (2)	PROV. (17)**
	MEAN	MEAN	MEAN	MEAN
1 HARUS;SWW	97.8	99.8	90.6	98.0
2 KARENA;SWW	97.8	103.2	96.9	100.5
3 AC RON;SWW	99.8	99.9	110.0	101.1
4 OAC ARISS;SWW	96.5	97.4	97.3	97.1
5 FUNDULEA;HRW	99.2	94.8	96.0	96.5
6 MARILEE;SWW	97.1	100.7	102.1	99.6
7 FREEDOM;SRW	102.4	101.3	93.4	100.8
8 AC CARTIER;SWW	95.6	98.9	108.0	98.8
9 AC MORLEY;HRW	92.0	101.9	94.8	97.6
10 25W33;SWW-a	105.7	102.0	104.8	103.6
11 HANOVER;HRW	95.3	92.6	96.8	94.0
12 MENDON;SRW	106.7	108.0	106.5	107.4
13 OAC MONTROSE;HRW	90.2	87.4	76.9	87.2
14 PATRIOT;HRW	100.2	100.1	98.9	100.0
15 2540;SRW-a	113.3	107.1	108.3	109.4
16 25R57;SRW	109.4	106.8	103.0	107.3
17 HURON;SWW	102.5	104.5	102.9	103.6
18 SUPERIOR;SWW	99.9	107.2	110.7	105.0
19 25R26;SRW-a	113.5	101.8	95.2	105.1
20 25W60;SWW-a	115.5	106.7	101.5	109.2
21 AC MACKINNON;SWW	101.9	104.3	109.6	104.1
22 AC MOUNTAIN;SWW	108.7	102.3	113.3	105.8
23 AC ESSEX;SWW	107.4	102.1	117.2	105.8
24 AC ZORRO;HRW	75.6	86.7	86.0	82.7
25 AC DELTA;HRW	73.9	82.7	88.9	80.3
26 ASHLAND;SRW	102.4	99.7	90.2	99.5
OVERALL MEAN(T/HA)	5.37	5.88	4.98	5.59

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S): 98-99
 AREA(S): 1- 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WE98N	RN98N	ID98N	NN98N	WK98N	EA98N	HN98N	O198N	WE99N	RN99N
1 HARUS;SWW	106	97	96	100	98	105	101	93	101	90
2 KARENA;SWW	97	99	102	105	110	105	100	105	99	94
3 AC RON;SWW	95	100	95	101	111	100	103	109	107	100
4 OAC ARISS;SWW	97	93	93	100	101	95	100	109	109	94
5 FUNDULEA;HRW	102	102	94	93	95	98	89	88	102	101
6 MARILEE;SWW	88	94	95	101	97	99	93	101	107	101
7 FREEDOM;SRW	97	104	104	100	104	103	98	90	102	105
8 AC CARTIER;SWW	95	90	95	91	102	85	97	110	99	98
9 AC MORLEY;HRW	90	87	94	96	96	107	104	98	88	99
10 25W33;SWW-a	104	111	100	106	82	99	110	102	109	105
11 HANOVER;HRW	95	97	93	92	86	88	93	90	93	98
12 MENDON;SRW	111	105	107	110	107	114	106	110	102	106
13 OAC MONTROSE;HRW	97	90	87	88	86	92	82	75	90	90
14 PATRIOT;HRW	104	106	104	100	99	101	102	94	90	94
15 2540;SRW-a	115	117	118	113	97	106	114	114	107	114
16 25R57;SRW	106	122	116	105	106	114	106	96	102	106
17 HURON;SWW	104	94	103	103	107	100	105	102	102	102
18 SUPERIOR;SWW	95	92	97	108	108	106	106	107	109	102
19 25R26;SRW-a	122	123	115	105	104	94	106	97	106	107
20 25W60;SWW-a	115	133	118	112	110	114	106	103	102	116
21 AC MACKINNON;SWW	106	100	110	107	118	100	119	113	98	96
22 AC MOUNTAIN;SWW	120	113	111	109	116	111	107	114	102	99
23 AC ESSEX;SWW	109	108	113	101	106	105	102	116	107	100
24 AC ZORRO;HRW	69	55	72	79	82	86	81	89	82	89
25 AC DELTA;HRW	60	58	68	73	71	83	78	88	85	88
26 ASHLAND;SRW	102	110	101	103	101	88	92	87	96	104
LOCATION MEAN	4.33	5.35	4.73	6.18	5.80	6.64	5.73	5.28	6.34	6.37

KEY NAME	ID99N	NN99N	WK99N	EA99N	HN99N	BH99N	O199N	MEAN*
1 HARUS;SWW	97	94	94	102	104	101	88	98
2 KARENA;SWW	96	98	91	109	107	103	89	101
3 AC RON;SWW	102	96	91	106	99	92	111	101
4 OAC ARISS;SWW	92	97	96	90	101	98	86	97
5 FUNDULEA;HRW	94	99	102	89	89	99	104	97
6 MARILEE;SWW	98	106	96	97	108	110	103	100
7 FREEDOM;SRW	101	106	104	96	107	95	97	101
8 AC CARTIER;SWW	97	98	94	108	104	110	106	99
9 AC MORLEY;HRW	93	99	101	104	106	106	92	98
10 25W33;SWW-a	106	105	107	107	111	89	107	104
11 HANOVER;HRW	96	95	99	106	81	94	103	94
12 MENDON;SRW	109	110	100	111	102	112	103	107
13 OAC MONTROSE;HRW	87	93	97	76	87	85	79	87
14 PATRIOT;HRW	103	99	101	94	102	102	103	100
15 2540;SRW-a	108	109	113	103	114	95	103	109
16 25R57;SRW	104	106	117	107	101	99	110	107
17 HURON;SWW	109	104	100	106	112	105	103	104
18 SUPERIOR;SWW	104	100	113	111	110	102	114	105
19 25R26;SRW-a	108	103	102	99	105	98	93	105
20 25W60;SWW-a	109	106	108	105	98	101	100	109
21 AC MACKINNON;SWW	101	96	99	96	101	103	106	104
22 AC MOUNTAIN;SWW	107	93	93	106	82	104	112	106
23 AC ESSEX;SWW	107	105	100	105	93	103	118	106
24 AC ZORRO;HRW	85	89	87	87	96	93	83	83
25 AC DELTA;HRW	84	85	88	90	85	91	90	80
26 ASHLAND;SRW	101	107	108	92	95	111	93	100
LOCATION MEAN	5.11	6.15	7.93	4.89	4.77	4.81	4.68	5.59

* AVERAGE ACROSS LOCATIONS

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 ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999
 YEAR(S): 98-99

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 5.23	75.7	33	.	0.0	93	146	1.6	1.4	.	.	.	.	1.1	.	182
2 KARENA;SWW	18 5.24	76.0	35	.	0.1	98	146	1.8	1.3	.	.	.	.	0.7	.	183
3 AC RON;SWW	13 5.39	75.4	34	.	0.0	94	146	1.9	2.1	.	.	.	.	1.1	.	183
4 OAC ARISS;SWW	20 5.20	76.8	31	.	0.2	86	148	1.6	3.0	.	.	.	.	0.8	.	183
5 FUNDULEA;HRW	15 5.34	80.3	36	.	0.0	87	148	3.5	1.1	.	.	.	.	0.9	.	184
6 MARILEE;SWW	17 5.25	74.4	38	.	0.0	91	149	2.4	2.8	.	.	.	.	1.9	.	185
7 FREEDOM;SRW	9 5.51	75.5	33	.	0.1	86	145	2.4	0.8	.	.	.	.	0.9	.	184
8 AC CARTIER;SWW	21 5.15	76.4	37	.	0.0	94	148	1.7	1.3	.	.	.	.	1.5	.	183
9 AC MORLEY;HRW	23 4.95	78.8	34	.	0.2	100	147	1.4	0.3	.	.	.	.	1.4	.	184
10 25W33;SWW-a	8 5.69	75.2	30	.	0.0	79	144	1.3	0.7	.	.	.	.	1.4	.	182
11 HANOVER;HRW	22 5.12	76.8	38	.	0.0	88	147	3.3	0.4	.	.	.	.	0.8	.	185
12 MENDON;SRW	7 5.72	74.9	38	.	1.0	94	144	2.0	1.6	.	.	.	.	1.2	.	181
13 OAC MONTROSE;HRW	24 4.84	78.9	37	.	0.0	94	143	3.2	1.1	.	.	.	.	2.1	.	183
14 PATRIOT;HRW	15 5.34	79.6	38	.	0.1	86	144	1.8	0.5	.	.	.	.	0.9	.	183
15 2540;SRW-a	2 6.07	76.7	34	.	0.1	81	145	1.7	0.7	.	.	.	.	0.3	.	182
16 25R57;SRW	4 5.86	77.0	34	.	0.1	86	142	1.7	0.6	.	.	.	.	0.8	.	182
17 HURON;SWW	10 5.50	77.1	35	.	0.3	96	148	1.9	0.3	.	.	.	.	1.5	.	184
18 SUPERIOR;SWW	13 5.39	75.9	34	.	0.1	90	148	2.0	1.1	.	.	.	.	1.5	.	185
19 25R26;SRW-a	3 6.06	75.9	34	.	0.0	77	145	1.3	1.2	.	.	.	.	0.8	.	182
20 25W60;SWW-a	1 6.18	76.8	33	.	0.3	88	142	1.3	0.8	.	.	.	.	0.8	.	181
21 AC MACKINNON;SWW	12 5.44	75.3	34	.	0.0	90	145	2.0	5.0	.	.	.	.	1.0	.	181
22 AC MOUNTAIN;SWW	5 5.79	74.9	36	.	0.6	95	146	2.7	4.2	.	.	.	.	0.9	.	183
23 AC ESSEX;SWW	6 5.75	75.7	37	.	0.2	93	146	2.4	2.8	.	.	.	.	0.9	.	183
24 AC ZORRO;HRW	25 4.10	78.8	38	.	0.0	102	150	4.0	1.1	.	.	.	.	3.3	.	187
25 AC DELTA;HRW	26 4.04	78.0	35	.	0.0	103	152	3.0	1.6	.	.	.	.	3.1	.	189
26 ASHLAND;SRW	10 5.50	75.4	32	.	0.1	87	143	3.9	0.9	.	.	.	.	1.3	.	183
LOCATIONS	6	6	6	0	4	6	4	6	3	0	0	0	0	2	0	2

YIELD AVERAGES WERE BASED ON DATA FROM: 1998: WOODSLEE, RIDGETOWN, INWOOD.
 1999: WOODSLEE, RIDGETOWN, INWOOD.

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	18 5.85	75.3	36	.	0.4	92	150	2.6	3.3	4.2	.	.	.	0.5	.	185
2 KARENA;SWW	8 6.03	75.0	37	.	1.9	97	151	2.3	2.8	3.5	.	.	.	0.4	.	187
3 AC RON;SWW	18 5.85	74.2	36	.	1.7	96	151	2.8	4.2	3.7	.	.	.	0.4	.	186
4 OAC ARISS;SWW	21 5.72	76.3	35	.	0.8	86	152	2.6	4.3	3.3	.	.	.	0.6	.	186
5 FUNDULEA;HRW	22 5.60	78.4	35	.	0.2	85	153	4.1	2.6	4.3	.	.	.	0.4	.	186
6 MARILEE;SWW	15 5.90	73.6	39	.	0.6	92	153	3.2	5.4	3.8	.	.	.	1.3	.	189
7 FREEDOM;SRW	14 5.97	75.0	33	.	1.8	86	150	2.4	3.0	4.3	.	.	.	0.6	.	186
8 AC CARTIER;SWW	20 5.76	75.9	39	.	0.6	96	152	2.3	2.2	3.7	.	.	.	0.2	.	188
9 AC MORLEY;HRW	12 5.98	78.4	36	.	2.9	99	151	1.7	1.6	3.7	.	.	.	0.8	.	186
10 25W33;SWW-a	11 6.00	73.4	31	.	0.3	76	150	0.7	1.0	3.8	.	.	.	0.5	.	184
11 HANOVER;HRW	23 5.45	73.6	40	.	0.2	87	152	3.2	3.0	4.3	.	.	.	0.1	.	187
12 MENDON;SRW	1 6.34	73.9	39	.	3.3	92	149	1.7	2.9	4.3	.	.	.	0.9	.	184
13 OAC MONTROSE;HRW	24 5.18	78.3	40	.	0.2	90	149	3.1	3.6	4.8	.	.	.	1.2	.	185
14 PATRIOT;HRW	16 5.89	79.2	39	.	0.4	85	149	2.1	2.0	5.0	.	.	.	0.8	.	186
15 2540;SRW-a	2 6.32	76.0	36	.	0.4	78	149	1.2	2.1	4.0	.	.	.	0.2	.	185
16 25R57;SRW	2 6.32	76.7	37	.	0.3	82	148	1.6	2.1	4.0	.	.	.	0.3	.	184
17 HURON;SWW	7 6.12	76.3	37	.	1.9	94	152	1.5	1.1	2.8	.	.	.	1.1	.	187
18 SUPERIOR;SWW	4 6.31	75.3	37	.	1.1	91	152	2.2	3.5	3.7	.	.	.	0.5	.	188
19 25R26;SRW-a	12 5.98	74.8	34	.	0.3	72	150	1.7	1.3	4.0	.	.	.	0.3	.	184
20 25W60;SWW-a	5 6.30	76.0	35	.	1.0	82	148	1.2	1.8	4.0	.	.	.	0.2	.	184
21 AC MACKINNON;SWW	6 6.13	73.9	36	.	0.4	91	150	1.5	6.5	3.7	.	.	.	0.7	.	185
22 AC MOUNTAIN;SWW	9 6.01	74.5	37	.	1.6	94	150	2.7	5.2	4.5	.	.	.	0.5	.	186
23 AC ESSEX;SWW	9 6.01	74.4	37	.	1.9	92	150	2.6	4.1	4.5	.	.	.	0.8	.	186
24 AC ZORRO;HRW	25 5.07	77.7	42	.	2.7	104	153	3.8	0.8	4.2	.	.	.	0.2	.	187
25 AC DELTA;HRW	26 4.85	76.7	39	.	1.1	103	157	3.1	3.8	4.2	.	.	.	0.5	.	191
26 ASHLAND;SRW	17 5.87	75.0	34	.	0.9	83	148	4.0	2.3	5.2	.	.	.	0.8	.	186
LOCATIONS	9	9	9	0	5	9	9	8	4	3	0	0	0	0	1	0

YIELD AVERAGES WERE BASED ON DATA FROM: 1998: NAIRN, ELORA, WOODSTOCK, HARRISTON.
 1999: NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH.

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

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 ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999
 YEAR(S): 98-99

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	22	4.52	78.2	36	.	1.0	82	147	2.0	.	.	.	.	.	.	.	.
2 KARENA;SWW	16	4.85	78.0	37	.	1.3	90	148	1.5	.	.	.	.	.	.	.	.
3 AC RON;SWW	4	5.47	68.9	36	.	1.0	86	148	1.8	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	15	4.88	78.7	33	.	1.0	79	149	1.9	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	18	4.76	81.2	38	.	1.0	80	149	3.5	.	.	.	.	.	.	.	.
6 MARILEE;SWW	12	5.08	76.8	40	.	1.0	83	149	2.8	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	21	4.64	77.7	34	.	1.3	75	147	0.9	.	.	.	.	.	.	.	.
8 AC CARTIER;SWW	7	5.39	79.1	40	.	1.0	89	149	1.3	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	20	4.73	81.0	36	.	1.0	92	148	0.5	.	.	.	.	.	.	.	.
10 25W33;SWW-a	9	5.21	77.8	34	.	1.0	71	147	0.1	.	.	.	.	.	.	.	.
11 HANOVER;HRW	17	4.80	78.2	44	.	1.0	80	149	2.5	.	.	.	.	.	.	.	.
12 MENDON;SRW	8	5.32	77.3	42	.	1.5	85	146	0.8	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	26	3.83	79.7	39	.	1.0	84	147	2.6	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	14	4.91	81.9	38	.	1.0	82	147	0.5	.	.	.	.	.	.	.	.
15 2540;SRW-a	6	5.41	78.9	36	.	1.0	76	147	0.8	.	.	.	.	.	.	.	.
16 25R57;SRW	11	5.11	78.2	35	.	1.0	74	146	1.0	.	.	.	.	.	.	.	.
17 HURON;SWW	10	5.12	79.4	37	.	1.5	85	149	1.0	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	3	5.50	77.8	36	.	1.0	86	149	2.0	.	.	.	.	.	.	.	.
19 25R26;SRW-a	19	4.74	78.8	34	.	1.0	64	148	1.5	.	.	.	.	.	.	.	.
20 25W60;SWW-a	13	5.06	78.6	35	.	1.0	75	145	0.5	.	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	4	5.47	78.2	36	.	1.0	83	146	1.8	.	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	2	5.64	78.3	38	.	1.0	84	147	2.5	.	.	.	.	.	.	.	.
23 AC ESSEX;SWW	1	5.83	77.9	38	.	1.3	85	146	2.6	.	.	.	.	.	.	.	.
24 AC ZORRO;HRW	25	4.29	79.9	42	.	1.5	95	151	4.1	.	.	.	.	.	.	.	.
25 AC DELTA;HRW	24	4.43	79.9	39	.	1.5	97	153	2.0	.	.	.	.	.	.	.	.
26 ASHLAND;SRW	23	4.48	77.6	37	.	1.0	77	146	5.3	.	.	.	.	.	.	.	.
LOCATIONS		2	2	2	0	1	2	2	1	0	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM: 1998: OTTAWA-1. 1999: OTTAWA-1.

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	19	5.48	75.8	35	.	0.3	91	149	2.2	2.5	4.2	.	.	.	0.9	.	184
2 KARENA;SWW	14	5.61	75.7	36	.	1.1	96	150	2.0	2.1	3.5	.	.	.	0.6	.	185
3 AC RON;SWW	13	5.64	74.0	35	.	0.9	94	149	2.4	3.3	3.7	.	.	.	0.9	.	185
4 OAC ARISS;SWW	21	5.44	76.7	33	.	0.6	85	150	2.2	3.8	3.3	.	.	.	0.7	.	185
5 FUNDULEA;HRW	22	5.41	79.4	36	.	0.2	85	151	3.8	1.9	4.3	.	.	.	0.8	.	185
6 MARILEE;SWW	17	5.57	74.2	39	.	0.4	90	151	2.9	4.3	3.8	.	.	.	1.7	.	187
7 FREEDOM;SRW	12	5.65	75.5	33	.	1.1	85	148	2.3	2.0	4.3	.	.	.	0.8	.	185
8 AC CARTIER;SWW	18	5.50	76.4	39	.	0.4	95	151	2.0	1.9	3.7	.	.	.	1.1	.	186
9 AC MORLEY;HRW	20	5.47	78.8	35	.	1.7	98	149	1.5	1.0	3.7	.	.	.	1.2	.	185
10 25W33;SWW-a	10	5.80	74.5	31	.	0.2	76	148	0.9	0.9	3.8	.	.	.	1.1	.	183
11 HANOVER;HRW	23	5.26	75.3	40	.	0.2	87	150	3.2	1.9	4.3	.	.	.	0.6	.	186
12 MENDON;SRW	4	6.00	74.6	39	.	2.2	92	147	1.7	2.3	4.3	.	.	.	1.1	.	182
13 OAC MONTROSE;HRW	24	4.90	78.7	38	.	0.2	91	147	3.1	2.5	4.8	.	.	.	1.8	.	184
14 PATRIOT;HRW	15	5.58	79.6	38	.	0.3	85	148	1.9	1.4	5.0	.	.	.	0.9	.	185
15 2540;SRW-a	1	6.12	76.6	35	.	0.3	79	147	1.3	1.5	4.0	.	.	.	0.3	.	184
16 25R57;SRW	3	6.01	77.0	36	.	0.2	82	146	1.6	1.4	4.0	.	.	.	0.6	.	183
17 HURON;SWW	11	5.78	76.9	36	.	1.2	94	150	1.6	0.8	2.8	.	.	.	1.4	.	186
18 SUPERIOR;SWW	6	5.89	75.8	36	.	0.7	90	151	2.1	2.4	3.7	.	.	.	1.2	.	187
19 25R26;SRW-a	8	5.86	75.7	34	.	0.3	73	148	1.5	1.3	4.0	.	.	.	0.6	.	183
20 25W60;SWW-a	2	6.11	76.6	34	.	0.7	83	146	1.2	1.3	4.0	.	.	.	0.6	.	183
21 AC MACKINNON;SWW	9	5.81	74.9	35	.	0.3	90	148	1.7	5.9	3.7	.	.	.	0.9	.	183
22 AC MOUNTAIN;SWW	6	5.89	75.1	37	.	1.1	93	148	2.7	4.8	4.5	.	.	.	0.7	.	185
23 AC ESSEX;SWW	5	5.90	75.3	37	.	1.1	91	148	2.5	3.5	4.5	.	.	.	0.8	.	185
24 AC ZORRO;HRW	25	4.64	78.3	41	.	1.5	102	152	3.9	0.9	4.2	.	.	.	2.3	.	187
25 AC DELTA;HRW	26	4.51	77.5	37	.	0.7	102	155	3.0	2.9	4.2	.	.	.	2.2	.	190
26 ASHLAND;SRW	15	5.58	75.4	33	.	0.6	83	146	4.0	1.7	5.2	.	.	.	1.1	.	185
LOCATIONS		17	17	17	0	10	17	15	15	7	3	0	0	0	3	0	5

YIELD AVERAGES WERE BASED ON DATA FROM:
 1998: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, ELORA, WOODSTOCK, HARRISTON, OTTAWA-1.
 1999: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH, OTTAWA-1.

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRAIT : YIELD
YEAR(S): 1999

KEY NAME	AREA I (3)* MEAN	AREA II (5) MEAN	AREA III (1) MEAN	PROV. (9)** MEAN
1 HARUS;SWW	5.69	5.61	4.13	5.48
2 KARENA;SWW	5.72	5.73	4.16	5.55
3 AC RON;SWW	6.13	5.49	5.21	5.67
4 OAC ARISS;SWW	5.88	5.49	4.01	5.46
5 FUNDULEA;HRW	5.91	5.51	4.88	5.57
6 MARILEE;SWW	6.07	5.86	4.84	5.82
7 FREEDOM;SRW	6.11	5.82	4.54	5.78
8 AC CARTIER;SWW	5.83	5.82	4.95	5.72
9 AC MORLEY;HRW	5.57	5.85	4.29	5.58
10 25W33;SWW-a	6.32	5.96	5.01	5.98
11 HANOVER;HRW	5.69	5.46	4.83	5.46
12 MENDON;SRW	6.26	6.07	4.82	6.00
13 OAC MONTROSE;HRW	5.30	5.07	3.68	4.99
14 PATRIOT;HRW	5.65	5.70	4.84	5.59
15 2540;SRW-a	6.53	6.14	4.82	6.12
16 25R57;SRW	6.18	6.12	5.15	6.03
17 HURON;SWW	6.19	5.98	4.84	5.92
18 SUPERIOR;SWW	6.25	6.14	5.35	6.09
19 25R26;SRW-a	6.34	5.80	4.36	5.82
20 25W60;SWW-a	6.48	5.95	4.69	5.99
21 AC MACKINNON;SWW	5.83	5.65	4.97	5.64
22 AC MOUNTAIN;SWW	6.09	5.44	5.25	5.63
23 AC ESSEX;SWW	6.22	5.77	5.54	5.90
24 AC ZORRO;HRW	5.08	5.14	3.89	4.98
25 AC DELTA;HRW	5.11	5.00	4.19	4.95
26 ASHLAND;SRW	5.97	5.91	4.36	5.76
27 CM95009;HRW-a	5.67	5.98	4.42	5.70
28 CM951067;SRW	5.96	6.09	4.56	5.88
29 CALEDONIA;SWW	6.23	5.82	5.38	5.90
30 WISDOM;SRW	6.26	5.96	5.21	5.98
31 TW95412;SPWW	6.21	5.88	4.49	5.83
OVERALL MEAN (T/HA)	5.96	5.75	4.70	5.70

* # OF LOCATIONS
** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRAIT : YIELD INDEX
YEAR(S): 1999

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA I (3)* MEAN	AREA II (5) MEAN	AREA III (1) MEAN	PROV. (9)** MEAN
1 HARUS;SWW	95.6	98.4	87.9	96.3
2 KARENA;SWW	96.0	101.0	88.5	98.0
3 AC RON;SWW	102.8	96.2	110.9	100.0
4 OAC ARISS;SWW	98.2	95.7	85.3	95.4
5 FUNDULEA;HRW	98.8	95.0	103.9	97.3
6 MARLEE;SWW	101.6	102.7	103.0	102.3
7 FREEDOM;SRW	102.4	100.8	96.6	100.9
8 AC CARTIER;SWW	97.7	102.4	105.3	101.2
9 AC MORLEY;HRW	93.3	102.3	91.3	98.1
10 25W33;SWW-a	106.1	103.4	106.6	104.6
11 HANOVER;HRW	95.4	94.4	102.8	95.7
12 MENDON;SRW	105.3	106.3	102.6	105.5
13 OAC MONTROSE;HRW	88.8	87.0	78.3	86.7
14 PATRIOT;HRW	95.3	99.0	103.0	98.2
15 2540;SRW-a	109.4	106.0	102.6	106.8
16 25R57;SRW	103.6	105.2	109.6	105.2
17 HURON;SWW	104.1	104.8	103.0	104.4
18 SUPERIOR;SWW	104.8	106.6	113.9	106.8
19 25R26;SRW-a	106.4	100.8	92.8	101.8
20 25W60;SWW-a	108.7	103.0	99.8	104.5
21 AC MACKINNON;SWW	98.0	98.5	105.8	99.2
22 AC MOUNTAIN;SWW	102.4	95.0	111.7	99.3
23 AC ESSEX;SWW	104.5	100.4	117.9	103.7
24 AC ZORRO;HRW	85.2	89.9	82.8	87.5
25 AC DELTA;HRW	85.6	87.1	89.2	86.8
26 ASHLAND;SRW	100.1	102.0	92.8	100.4
27 CM95009;HRW-a	95.7	103.5	94.1	99.9
28 CM951067;SRW	99.9	105.0	97.0	102.4
29 CALEDONIA;SWW	104.6	101.3	114.5	103.9
30 WISDOM;SRW	105.2	103.2	110.9	104.7
31 TW95412;SPWW	104.3	103.0	95.6	102.6
OVERALL MEAN (T/HA)	5.96	5.75	4.70	5.70

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR : 99
 AREA(S): 1- 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WE99N	RN99N	ID99N	NN99N	WK99N	EA99N	HN99N	BH99N	O199N	MEAN*
1 HARUS;SWW	101	89	96	93	93	102	103	100	88	96
2 KARENA;SWW	100	93	95	97	91	108	107	103	89	98
3 AC RON;SWW	108	100	101	96	90	106	99	92	111	100
4 OAC ARISS;SWW	109	94	92	97	95	89	101	97	85	95
5 FUNDULEA;HRW	103	101	93	99	101	89	88	99	104	97
6 MARILEE;SWW	108	100	97	106	95	96	107	109	103	102
7 FREEDOM;SRW	103	104	100	105	103	95	106	94	97	101
8 AC CARTIER;SWW	100	97	96	98	93	107	104	110	105	101
9 AC MORLEY;HRW	89	99	92	98	100	104	105	105	91	98
10 25W33;SWW-a	109	104	105	105	106	107	111	89	107	105
11 HANOVER;HRW	94	98	95	95	98	105	80	94	103	96
12 MENDON;SRW	103	105	107	110	99	111	101	111	103	106
13 OAC MONTROSE;HRW	90	90	86	92	96	76	87	85	78	87
14 PATRIOT;HRW	90	94	102	98	100	94	101	101	103	98
15 2540;SRW-a	108	113	107	108	112	102	113	94	103	107
16 25R57;SRW	103	105	103	105	116	106	100	99	110	105
17 HURON;SWW	103	102	108	103	99	106	112	105	103	104
18 SUPERIOR;SWW	109	102	103	100	112	110	110	102	114	107
19 25R26;SRW-a	106	106	107	103	101	99	104	98	93	102
20 25W60;SWW-a	103	115	108	106	107	104	97	100	100	105
21 AC MACKINNON;SWW	98	96	100	95	98	96	100	103	106	99
22 AC MOUNTAIN;SWW	103	98	106	93	92	106	82	103	112	99
23 AC ESSEX;SWW	108	100	106	104	99	105	92	102	118	104
24 AC ZORRO;HRW	82	89	85	89	86	86	96	93	83	88
25 AC DELTA;HRW	86	88	83	84	87	89	84	91	89	87
26 ASHLAND;SRW	97	104	100	107	107	92	95	110	93	100
27 CM95009;HRW-a	81	100	106	105	107	99	112	95	94	100
28 CM951067;SRW	97	103	100	102	115	99	102	106	97	102
29 CALEDONIA;SWW	103	104	106	108	97	107	97	97	114	104
30 WISDOM;SRW	101	106	108	103	108	97	105	103	111	105
31 TW95412;SPWW	105	103	106	98	98	106	102	110	96	103
LOCATION MEAN	6.31	6.41	5.16	6.19	8.01	4.90	4.80	4.83	4.70	5.70

* AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR : 99
 MGMT : NORMAL
 AREA : 1

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	24	5.69	77.0	34	.	0.0	93	148	1.7	1.0	.	.	.	.	.	.	183
2 KARENA;SWW	23	5.72	77.7	36	.	0.1	99	148	2.3	1.0	.	.	.	.	.	.	185
3 AC RON;SWW	13	6.13	77.3	36	.	0.0	95	148	2.7	3.0	.	.	.	.	.	.	184
4 OAC ARISS;SWW	20	5.88	78.0	31	.	0.3	87	150	1.7	3.0	.	.	.	.	.	.	185
5 FUNDULEA;HRW	19	5.91	81.3	37	.	0.0	86	150	3.3	1.0	.	.	.	.	.	.	187
6 MARILEE;SWW	16	6.07	75.3	39	.	0.0	91	150	2.0	3.0	.	.	.	.	.	.	186
7 FREEDOM;SRW	14	6.11	76.2	32	.	0.1	87	148	2.3	1.0	.	.	.	.	.	.	186
8 AC CARTIER;SWW	21	5.83	78.6	38	.	0.0	97	149	1.7	1.0	.	.	.	.	.	.	184
9 AC MORLEY;HRW	28	5.57	79.6	35	.	0.0	98	148	2.0	0.0	.	.	.	.	.	.	186
10 25W33;SWW-a	4	6.32	76.3	30	.	0.0	80	146	1.7	0.0	.	.	.	.	.	.	182
11 HANOVER;HRW	24	5.69	77.3	39	.	0.0	88	149	2.3	0.0	.	.	.	.	.	.	187
12 MENDON;SRW	5	6.26	76.6	39	.	1.3	96	147	3.0	2.0	.	.	.	.	.	.	182
13 OAC MONTROSE;HRW	29	5.30	80.0	37	.	0.0	95	146	3.3	1.0	.	.	.	.	.	.	186
14 PATRIOT;HRW	27	5.65	80.4	38	.	0.0	84	148	2.3	0.0	.	.	.	.	.	.	186
15 2540;SRW-a	1	6.53	77.9	34	.	0.0	80	147	2.7	1.0	.	.	.	.	.	.	184
16 25R57;SRW	12	6.18	78.3	34	.	0.1	87	144	3.0	0.0	.	.	.	.	.	.	184
17 HURON;SWW	11	6.19	78.5	35	.	0.6	98	150	3.0	0.0	.	.	.	.	.	.	185
18 SUPERIOR;SWW	7	6.25	77.8	35	.	0.2	93	149	2.7	0.0	.	.	.	.	.	.	185
19 25R26;SRW-a	3	6.34	76.9	34	.	0.0	76	148	2.3	1.0	.	.	.	.	.	.	183
20 25W60;SWW-a	2	6.48	78.3	32	.	0.2	88	144	2.0	1.0	.	.	.	.	.	.	182
21 AC MACKINNON;SWW	21	5.83	75.8	33	.	0.0	91	147	3.3	8.0	.	.	.	.	.	.	181
22 AC MOUNTAIN;SWW	15	6.09	75.9	36	.	0.9	94	148	3.0	7.0	.	.	.	.	.	.	184
23 AC ESSEX;SWW	9	6.22	77.2	37	.	0.2	94	148	2.7	5.0	.	.	.	.	.	.	184
24 AC ZORRO;HRW	31	5.08	80.6	41	.	0.0	106	151	4.0	1.0	.	.	.	.	.	.	187
25 AC DELTA;HRW	30	5.11	79.6	36	.	0.0	103	153	3.0	1.0	.	.	.	.	.	.	189
26 ASHLAND;SRW	17	5.97	76.3	31	.	0.0	88	146	4.3	1.0	.	.	.	.	.	.	186
27 CM95009;HRW-a	26	5.67	80.7	40	.	0.0	90	146	0.7	0.0	.	.	.	.	.	.	186
28 CM951067;SRW	18	5.96	78.1	33	.	0.0	88	148	3.0	1.0	.	.	.	.	.	.	186
29 CALEDONIA;SWW	8	6.23	77.2	38	.	0.0	78	148	2.3	1.0	.	.	.	.	.	.	182
30 WISDOM;SRW	5	6.26	78.6	36	.	1.1	94	144	2.0	0.0	.	.	.	.	.	.	185
31 TW95412;SPWW	10	6.21	76.8	36	.	0.8	97	148	2.7	3.0	.	.	.	.	.	.	185
LOCATIONS		3	3	3	0	2	3	2	3	1	0	0	0	0	0	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 TRIAL; FALL WHEAT 1999

YEAR : 99
 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	23 5.61	76.1	35	.	0.6	89	153	2.6	3.6	4.0	.	.	.	.	.	185
2 KARENA;SWW	20 5.73	75.4	35	.	3.0	94	154	2.2	3.2	4.0	.	.	.	.	.	187
3 AC RON;SWW	25 5.49	74.6	34	.	2.8	91	153	3.0	4.8	4.5	.	.	.	.	.	186
4 OAC ARISS;SWW	25 5.49	77.1	36	.	1.3	84	153	2.6	4.9	4.0	.	.	.	.	.	186
5 FUNDULEA;SWW	24 5.51	78.6	34	.	0.3	84	155	4.2	3.1	3.5	.	.	.	.	.	187
6 MARILEE;SWW	13 5.86	73.7	38	.	1.0	89	155	3.7	6.0	3.5	.	.	.	.	.	187
7 FREEDOM;SRW	15 5.82	75.1	32	.	2.3	84	153	2.8	3.2	4.0	.	.	.	.	.	187
8 AC CARTIER;SWW	15 5.82	76.7	39	.	1.0	93	154	2.0	2.3	4.0	.	.	.	.	.	188
9 AC MORLEY;HRW	14 5.85	78.7	36	.	3.9	94	153	1.5	1.7	4.0	.	.	.	.	.	187
10 25W33;SWW-a	8 5.96	73.7	32	.	0.4	76	153	1.2	1.2	3.5	.	.	.	.	.	185
11 HANOVER;HRW	27 5.46	73.0	40	.	0.3	86	154	3.1	3.5	4.5	.	.	.	.	.	188
12 MENDON;SRW	5 6.07	74.7	38	.	4.9	90	151	2.4	2.7	3.5	.	.	.	.	.	184
13 OAC MONTROSE;HRW	30 5.07	78.7	39	.	0.3	88	152	2.9	4.4	4.5	.	.	.	.	.	187
14 PATRIOT;HRW	21 5.70	79.1	38	.	0.4	81	152	2.2	2.0	3.5	.	.	.	.	.	187
15 2540;SRW-a	1 6.14	76.9	35	.	0.6	78	152	2.0	2.8	4.0	.	.	.	.	.	184
16 25R57;SRW	3 6.12	77.3	36	.	0.4	81	151	2.7	2.3	4.0	.	.	.	.	.	184
17 HURON;SWW	6 5.98	76.9	37	.	3.1	92	153	2.2	1.5	3.0	.	.	.	.	.	185
18 SUPERIOR;SWW	1 6.14	75.9	37	.	1.8	88	154	2.6	4.3	4.0	.	.	.	.	.	187
19 25R26;SRW-a	18 5.80	75.0	33	.	0.4	71	152	2.6	1.6	3.5	.	.	.	.	.	183
20 25W60;SWW-a	10 5.95	76.4	34	.	1.5	81	150	2.1	2.0	4.0	.	.	.	.	.	183
21 AC MACKINNON;SWW	22 5.65	75.7	34	.	0.5	88	151	2.4	7.2	3.5	.	.	.	.	.	186
22 AC MOUNTAIN;SWW	28 5.44	74.4	37	.	2.5	91	151	3.2	6.2	5.0	.	.	.	.	.	186
23 AC ESSEX;SWW	19 5.77	74.4	36	.	2.8	91	152	3.2	4.5	4.5	.	.	.	.	.	188
24 AC ZORRO;HRW	29 5.14	77.5	41	.	4.4	99	155	4.1	1.0	4.5	.	.	.	.	.	188
25 AC DELTA;HRW	31 5.00	76.1	37	.	1.5	98	157	3.1	4.4	5.0	.	.	.	.	.	188
26 ASHLAND;SRW	11 5.91	75.6	33	.	1.1	83	150	4.2	3.1	3.5	.	.	.	.	.	187
27 CM95009;HRW-a	6 5.98	79.1	42	.	0.6	84	151	1.9	1.0	2.5	.	.	.	.	.	186
28 CM951067;SRW	4 6.09	76.4	35	.	0.7	84	153	3.6	3.5	3.5	.	.	.	.	.	186
29 CALEDONIA;SWW	15 5.82	75.9	37	.	0.3	79	152	2.1	3.2	4.0	.	.	.	.	.	186
30 WISDOM;SRW	8 5.96	77.3	35	.	3.1	85	150	3.0	1.3	3.5	.	.	.	.	.	183
31 TW95412;SPWW	12 5.88	76.1	36	.	2.9	89	153	2.6	4.2	3.0	.	.	.	.	.	186
LOCATIONS	5	5	5	0	3	5	5	4	3	1	0	0	0	0	0	1

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

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR : 99
 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	28	4.13	79.3	36	.	0.9	90	151	2.0	.	.	.	.	.	.	.	.
2 KARENA;SWW	27	4.16	78.5	37	.	0.9	100	152	1.5	.	.	.	.	.	.	.	.
3 AC RON;SWW	5	5.21	60.2	35	.	0.9	96	152	1.8	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	29	4.01	78.9	32	.	0.9	86	152	1.9	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	11	4.88	82.3	37	.	0.9	91	153	3.5	.	.	.	.	.	.	.	.
6 MARILEE;SWW	12	4.84	77.2	38	.	0.9	95	153	2.8	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	20	4.54	77.8	34	.	0.9	85	151	0.9	.	.	.	.	.	.	.	.
8 AC CARTIER;SWW	10	4.95	79.8	38	.	0.9	99	152	1.3	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	25	4.29	81.0	35	.	0.9	103	151	0.5	.	.	.	.	.	.	.	.
10 25W33;SWW-a	8	5.01	78.4	32	.	0.9	81	150	0.1	.	.	.	.	.	.	.	.
11 HANOVER;HRW	15	4.83	78.7	42	.	0.9	90	153	2.5	.	.	.	.	.	.	.	.
12 MENDON;SRW	16	4.82	77.6	41	.	0.9	99	150	0.8	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	31	3.68	79.5	39	.	0.9	96	150	2.6	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	12	4.84	82.1	38	.	0.9	90	152	0.5	.	.	.	.	.	.	.	.
15 2540;SRW-a	16	4.82	79.4	36	.	0.9	86	151	0.8	.	.	.	.	.	.	.	.
16 25R57;SRW	7	5.15	78.9	35	.	0.9	83	150	1.0	.	.	.	.	.	.	.	.
17 HURON;SWW	12	4.84	79.9	36	.	0.9	95	152	1.0	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	3	5.35	78.8	35	.	0.9	96	152	2.0	.	.	.	.	.	.	.	.
19 25R26;SRW-a	23	4.36	78.9	33	.	0.9	70	152	1.5	.	.	.	.	.	.	.	.
20 25W60;SWW-a	18	4.69	79.1	33	.	0.9	83	149	0.5	.	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	9	4.97	77.8	34	.	0.9	90	149	1.8	.	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	4	5.25	78.3	36	.	0.9	94	150	2.5	.	.	.	.	.	.	.	.
23 AC ESSEX;SWW	1	5.54	77.7	35	.	0.9	94	150	2.6	.	.	.	.	.	.	.	.
24 AC ZORRO;HRW	30	3.89	79.4	39	.	0.9	104	154	4.1	.	.	.	.	.	.	.	.
25 AC DELTA;HRW	26	4.19	78.8	36	.	0.9	105	156	2.0	.	.	.	.	.	.	.	.
26 ASHLAND;SRW	23	4.36	78.0	37	.	0.9	86	150	5.3	.	.	.	.	.	.	.	.
27 CM95009;HRW-a	22	4.42	80.1	41	.	0.9	90	150	1.3	.	.	.	.	.	.	.	.
28 CM951067;SRW	19	4.56	81.6	39	.	0.9	86	150	3.3	.	.	.	.	.	.	.	.
29 CALEDONIA;SWW	2	5.38	79.1	37	.	0.9	84	151	0.9	.	.	.	.	.	.	.	.
30 WISDOM;SRW	5	5.21	79.6	36	.	0.9	89	150	5.0	.	.	.	.	.	.	.	.
31 TW95412;SPWW	21	4.49	78.2	36	.	0.9	99	151	2.1	.	.	.	.	.	.	.	.
LOCATIONS		1	1	1	.	0	1	1	1	0	0	0	0	0	0	0	0

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

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

YEAR : 99
 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	26 5.48	76.7	35	.	0.4	90	151	2.2	3.0	4.0	.	.	.	.	.	184
2 KARENA;SWW	25 5.55	76.5	36	.	1.8	96	152	2.2	2.6	4.0	.	.	.	.	.	186
3 AC RON;SWW	19 5.67	73.9	35	.	1.7	93	152	2.7	4.4	4.5	.	.	.	.	.	185
4 OAC ARISS;SWW	27 5.46	77.6	34	.	0.9	85	152	2.2	4.4	4.0	.	.	.	.	.	186
5 FUNDULEA;HRW	24 5.57	79.9	35	.	0.2	86	154	3.8	2.6	3.5	.	.	.	.	.	187
6 MARILEE;SWW	13 5.82	74.6	38	.	0.6	90	153	2.9	5.2	3.5	.	.	.	.	.	187
7 FREEDOM;SRW	15 5.78	75.8	33	.	1.4	85	152	2.4	2.6	4.0	.	.	.	.	.	187
8 AC CARTIER;SWW	17 5.72	77.7	39	.	0.6	95	152	1.8	2.0	4.0	.	.	.	.	.	186
9 AC MORLEY;HRW	23 5.58	79.3	35	.	2.4	97	151	1.6	1.2	4.0	.	.	.	.	.	187
10 25W33;SWW-a	6 5.98	75.1	31	.	0.3	78	151	1.3	0.9	3.5	.	.	.	.	.	184
11 HANOVER;HRW	27 5.46	75.0	40	.	0.2	87	153	2.7	2.6	4.5	.	.	.	.	.	188
12 MENDON;SRW	4 6.00	75.7	39	.	3.4	93	150	2.4	2.5	3.5	.	.	.	.	.	183
13 OAC MONTROSE;HRW	29 4.99	79.2	39	.	0.2	91	150	3.0	3.6	4.5	.	.	.	.	.	187
14 PATRIOT;HRW	22 5.59	79.9	38	.	0.3	83	151	2.1	1.5	3.5	.	.	.	.	.	187
15 2540;SRW-a	1 6.12	77.5	35	.	0.4	80	150	2.1	2.4	4.0	.	.	.	.	.	184
16 25R57;SRW	3 6.03	77.8	35	.	0.3	83	149	2.6	1.7	4.0	.	.	.	.	.	184
17 HURON;SWW	8 5.92	77.8	36	.	2.1	94	152	2.3	1.1	3.0	.	.	.	.	.	185
18 SUPERIOR;SWW	2 6.09	76.8	36	.	1.2	91	153	2.6	3.2	4.0	.	.	.	.	.	186
19 25R26;SRW-a	13 5.82	76.1	33	.	0.3	72	151	2.4	1.5	3.5	.	.	.	.	.	183
20 25W60;SWW-a	5 5.99	77.4	33	.	1.0	84	149	1.9	1.8	4.0	.	.	.	.	.	183
21 AC MACKINNON;SWW	20 5.64	76.0	34	.	0.3	89	150	2.7	7.4	3.5	.	.	.	.	.	182
22 AC MOUNTAIN;SWW	21 5.63	75.3	36	.	1.9	92	150	3.0	6.4	5.0	.	.	.	.	.	185
23 AC ESSEX;SWW	9 5.90	75.7	36	.	1.7	92	151	2.9	4.6	4.5	.	.	.	.	.	185
24 AC ZORRO;HRW	30 4.98	78.7	41	.	2.6	102	154	4.0	1.0	4.5	.	.	.	.	.	188
25 AC DELTA;HRW	31 4.95	77.6	37	.	0.9	101	156	2.9	3.6	5.0	.	.	.	.	.	189
26 ASHLAND;SRW	16 5.76	76.1	33	.	0.7	85	149	4.4	2.6	3.5	.	.	.	.	.	187
27 CM95009;HRW-a	18 5.70	79.7	41	.	0.4	87	150	1.4	0.8	2.5	.	.	.	.	.	185
28 CM951067;SRW	11 5.88	77.5	35	.	0.4	85	151	3.3	2.9	3.5	.	.	.	.	.	186
29 CALEDONIA;SWW	9 5.90	76.7	37	.	0.2	79	151	2.0	2.6	4.0	.	.	.	.	.	186
30 WISDOM;SRW	6 5.98	78.0	36	.	2.3	88	148	2.8	1.0	3.5	.	.	.	.	.	183
31 TW95412;SPWW	12 5.83	76.5	36	.	2.0	93	152	2.5	3.9	3.0	.	.	.	.	.	186
LOCATIONS		9	9	9	.	5	9	8	8	4	1	0	0	0	0	2

YIELD AVERAGES WERE BASED ON DATA FROM: WOODSLEE, RIDGETOWN, INWOOD, NAIRN, WOODSTOCK, ELORA, HARRISTON, BATH, OTTAWA-1.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

TRIAL DETAILS (GRAIN YIELD)

AREA	LOCATION	MEAN (g m-2)	REPS	ERROR SS	ERROR DF	ERROR MS	C.V.%
I	WOODSLEE	631*	4	217980	90	2422	7.8%
I	RIDGETOWN	641	4	78210	90	869	4.6%
I	INWOOD	516	6	153450	150	1023	6.2%
II	NAIRN	619	4	47250	90	525	3.7%
II	WOODSTOCK	801	4	299307	89	3363	7.2%
II	ELORA	491	4	63084	84	751	5.6%
II	HARRISTON	480	4	69750	90	775	5.8%
II	BATH	483	4	158940	90	1766	8.7%
III	OTTAWA	470	4	346410	90	3849	13.2%

*100 g m-2 = 1 t/ha = 893 lbs/acre

SPROUTING RATINGS*

KEY	NAME	
1	HARUS;SWW	S
2	KARENA;SWW	S-VS
3	AC RON;SWW	S-VS
4	OAC ARISS;SWW	S
5	FUNDULEA;HRW	T
6	MARILEE;SWW	S-VS
7	FREEDOM;SRW	MS
8	AC CARTIER;SWW	S
9	AC MORLEY;HRW	T
10	25W33;SWW-a	S
11	HANOVER;HRW	MS
12	MENDON;SRW	MS
13	OAC MONTROSE;HRW	T
14	PATRIOT;HRW	T
15	2540;SRW-a	T
16	25R57;SRW	T
17	HURON;SWW	S
18	SUPERIOR;SWW	S
19	25R26;SRW-a	T
20	25W60;SWW-a	S
21	AC MACKINNON;SWW	S
22	AC MOUNTAIN;SWW	S-VS
23	AC ESSEX;SWW	S-VS
24	AC ZORRO;HRW	T
25	AC DELTA;HRW	MS
26	ASHLAND;SRW	MS
27	CM95009;HRW-a	T
28	CM951067;SRW	T
29	CALEDONIA;SWW	S
30	WISDOM;SRW	T
31	TW95412;SPWW	S

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

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - WOODSLEE
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	18	6.40	76.8	38	.	.	93	148	3.0	.	.	.	.	.	.	.	.
2 KARENA;SWW	20	6.30	77.0	41	.	.	100	148	4.0	.	.	.	.	.	.	.	.
3 AC RON;SWW	4	6.80	77.4	40	.	.	93	148	5.0	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	1	6.90	76.8	35	.	.	91	149	3.0	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	10	6.50	80.6	40	.	.	85	149	6.0	.	.	.	.	.	.	.	.
6 MARILEE;SWW	4	6.80	73.8	43	.	.	89	149	3.0	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	10	6.50	76.0	37	.	.	84	148	4.0	.	.	.	.	.	.	.	.
8 AC CARTIER;SWW	20	6.30	78.3	41	.	.	97	148	2.0	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	28	5.60	79.1	39	.	.	83	148	5.0	.	.	.	.	.	.	.	.
10 25W33;SWW-a	1	6.90	75.4	34	.	.	80	147	3.0	.	.	.	.	.	.	.	.
11 HANOVER;HRW	25	5.90	77.7	42	.	.	86	149	3.0	.	.	.	.	.	.	.	.
12 MENDON;SRW	10	6.50	76.5	44	.	.	93	147	4.0	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	26	5.70	79.7	40	.	.	95	145	6.0	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	26	5.70	79.3	41	.	.	82	147	5.0	.	.	.	.	.	.	.	.
15 2540;SRW-a	4	6.80	77.1	37	.	.	79	146	5.0	.	.	.	.	.	.	.	.
16 25R57;SRW	10	6.50	77.4	37	.	.	88	145	5.0	.	.	.	.	.	.	.	.
17 HURON;SWW	10	6.50	77.8	40	.	.	95	149	4.0	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	1	6.90	77.9	41	.	.	92	149	5.0	.	.	.	.	.	.	.	.
19 25R26;SRW-a	8	6.70	76.4	37	.	.	73	148	2.0	.	.	.	.	.	.	.	.
20 25W60;SWW-a	10	6.50	78.6	36	.	.	87	145	3.0	.	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	22	6.20	74.2	37	.	.	92	147	5.0	.	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	10	6.50	75.0	41	.	.	93	148	6.0	.	.	.	.	.	.	.	.
23 AC ESSEX;SWW	4	6.80	76.1	42	.	.	91	147	4.0	.	.	.	.	.	.	.	.
24 AC ZORRO;HRW	30	5.20	78.9	44	.	.	105	150	7.0	.	.	.	.	.	.	.	.
25 AC DELTA;HRW	29	5.40	78.5	37	.	.	98	151	6.0	.	.	.	.	.	.	.	.
26 ASHLAND;SRW	23	6.10	75.5	34	.	.	88	145	7.0	.	.	.	.	.	.	.	.
27 CM95009;HRW-a	31	5.10	80.0	43	.	.	90	146	2.0	.	.	.	.	.	.	.	.
28 CM951067;SRW	23	6.10	76.6	38	.	.	85	148	3.0	.	.	.	.	.	.	.	.
29 CALEDONIA;SWW	10	6.50	74.9	42	.	.	76	148	4.0	.	.	.	.	.	.	.	.
30 WISDOM;SRW	18	6.40	78.3	38	.	.	96	144	3.0	.	.	.	.	.	.	.	.
31 TW95412;SPWW	9	6.60	75.1	38	.	.	97	148	4.0	.	.	.	.	.	.	.	.
MEANS		6.31	77.2	39	.	.	90	148	4.2	.	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - RIDGETOWN
 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	29	5.71	77.6	33	.	.0	97	148	1.0	1.0	.	.	.	.	.	.	183
2 KARENA;SWW	27	5.96	79.0	36	.	.2	105	148	2.0	1.0	.	.	.	.	.	.	185
3 AC RON;SWW	18	6.39	78.0	36	.	.0	102	147	2.0	3.0	.	.	.	.	.	.	184
4 OAC ARISS;SWW	25	6.01	79.0	30	.	.5	91	150	1.0	3.0	.	.	.	.	.	.	185
5 FUNDULEA;HRW	15	6.45	82.0	37	.	.0	97	151	3.0	1.0	.	.	.	.	.	.	187
6 MARILEE;SWW	16	6.44	76.4	38	.	.0	99	151	2.0	3.0	.	.	.	.	.	.	186
7 FREEDOM;SRW	8	6.67	76.6	31	.	.2	97	148	2.0	1.0	.	.	.	.	.	.	186
8 AC CARTIER;SWW	23	6.22	79.0	39	.	.0	105	150	2.0	1.0	.	.	.	.	.	.	184
9 AC MORLEY;HRW	20	6.33	80.4	35	.	.0	114	148	1.0	.0	.	.	.	.	.	.	186
10 25W33;SWW-a	9	6.66	77.6	30	.	.0	89	145	1.0	.0	.	.	.	.	.	.	182
11 HANOVER;HRW	22	6.27	77.8	39	.	.0	96	149	3.0	.0	.	.	.	.	.	.	187
12 MENDON;SRW	5	6.75	78.0	40	.	1.8	106	147	3.0	2.0	.	.	.	.	.	.	182
13 OAC MONTROSE;HRW	28	5.75	80.4	37	.	.0	104	147	3.0	1.0	.	.	.	.	.	.	186
14 PATRIOT;HRW	26	6.00	81.0	38	.	.0	96	148	1.0	.0	.	.	.	.	.	.	186
15 2540;SRW-a	2	7.26	79.6	35	.	.0	91	147	2.0	1.0	.	.	.	.	.	.	184
16 25R57;SRW	6	6.74	79.8	34	.	.0	94	143	2.0	.0	.	.	.	.	.	.	184
17 HURON;SWW	14	6.51	79.6	33	.	1.0	106	151	3.0	.0	.	.	.	.	.	.	185
18 SUPERIOR;SWW	13	6.52	79.0	34	.	.3	102	149	2.0	.0	.	.	.	.	.	.	185
19 25R26;SRW-a	4	6.79	78.4	34	.	.0	84	147	3.0	1.0	.	.	.	.	.	.	183
20 25W60;SWW-a	1	7.37	79.8	33	.	.5	95	143	2.0	1.0	.	.	.	.	.	.	182
21 AC MACKINNON;SWW	24	6.14	76.8	33	.	.0	96	147	3.0	8.0	.	.	.	.	.	.	181
22 AC MOUNTAIN;SWW	21	6.28	76.4	34	.	1.0	102	148	2.0	7.0	.	.	.	.	.	.	184
23 AC ESSEX;SWW	18	6.39	78.6	37	.	.2	102	148	2.0	5.0	.	.	.	.	.	.	184
24 AC ZORRO;HRW	30	5.68	82.0	40	.	.0	115	152	3.0	1.0	.	.	.	.	.	.	187
25 AC DELTA;HRW	31	5.62	81.0	38	.	.0	115	155	2.0	1.0	.	.	.	.	.	.	189
26 ASHLAND;SRW	10	6.64	77.6	32	.	.0	95	146	4.0	1.0	.	.	.	.	.	.	186
27 CM95009;HRW-a	17	6.43	81.8	41	.	.0	97	146	.0	.0	.	.	.	.	.	.	186
28 CM951067;SRW	11	6.63	79.6	32	.	.0	96	148	4.0	1.0	.	.	.	.	.	.	186
29 CALEDONIA;SWW	7	6.69	79.4	38	.	.0	84	148	2.0	1.0	.	.	.	.	.	.	186
30 WISDOM;SRW	3	6.80	79.4	38	.	1.2	100	143	2.0	.0	.	.	.	.	.	.	182
31 TW95412;SPWW	12	6.57	78.0	37	.	.8	102	148	2.0	3.0	.	.	.	.	.	.	185
MEANS		6.41	79.0	35	.	.2	99	148	2.2	1.5	.	.	.	.	.	.	185

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - INWOOD
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	22	4.97	76.6	30	.	.0	88	.	1.0	.	.	.	.	.	.	.	.
2 KARENA;SWW	24	4.90	77.0	31	.	.0	93	.	1.0	.	.	.	.	.	.	.	.
3 AC RON;SWW	16	5.20	76.6	31	.	.0	90	.	1.0	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	28	4.72	78.2	29	.	.2	80	.	1.0	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	26	4.79	81.2	34	.	.0	77	.	1.0	.	.	.	.	.	.	.	.
6 MARILEE;SWW	21	4.98	75.8	36	.	.0	86	.	1.0	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	17	5.17	76.0	29	.	.0	81	.	1.0	.	.	.	.	.	.	.	.
8 AC CARTIER;SWW	23	4.96	78.6	35	.	.0	90	.	1.0	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	27	4.77	79.4	31	.	.0	97	.	.0	.	.	.	.	.	.	.	.
10 25W33;SWW-a	12	5.41	75.8	27	.	.0	72	.	1.0	.	.	.	.	.	.	.	.
11 HANOVER;HRW	25	4.89	76.4	36	.	.0	83	.	1.0	.	.	.	.	.	.	.	.
12 MENDON;SRW	4	5.54	75.2	34	.	.8	89	.	2.0	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	29	4.46	80.0	35	.	.0	87	.	1.0	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	15	5.26	80.8	35	.	.0	74	.	1.0	.	.	.	.	.	.	.	.
15 2540;SRW-a	5	5.53	77.0	29	.	.0	70	.	1.0	.	.	.	.	.	.	.	.
16 25R57;SRW	14	5.29	77.8	30	.	.2	78	.	2.0	.	.	.	.	.	.	.	.
17 HURON;SWW	3	5.56	78.0	32	.	.2	92	.	2.0	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	13	5.33	76.4	31	.	.2	85	.	1.0	.	.	.	.	.	.	.	.
19 25R26;SRW-a	6	5.52	76.0	30	.	.0	70	.	2.0	.	.	.	.	.	.	.	.
20 25W60;SWW-a	2	5.57	76.6	28	.	.0	81	.	1.0	.	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	19	5.15	76.4	30	.	.0	84	.	2.0	.	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	8	5.48	76.4	32	.	.8	86	.	1.0	.	.	.	.	.	.	.	.
23 AC ESSEX;SWW	10	5.46	76.8	33	.	.2	88	.	2.0	.	.	.	.	.	.	.	.
24 AC ZORRO;HRW	30	4.36	80.8	39	.	.0	98	.	2.0	.	.	.	.	.	.	.	.
25 AC DELTA;HRW	31	4.30	79.4	34	.	.0	96	.	1.0	.	.	.	.	.	.	.	.
26 ASHLAND;SRW	18	5.16	75.8	27	.	.0	80	.	2.0	.	.	.	.	.	.	.	.
27 CM95009;HRW-a	9	5.47	80.4	37	.	.0	83	.	.0	.	.	.	.	.	.	.	.
28 CM951067;SRW	20	5.14	78.0	30	.	.0	84	.	2.0	.	.	.	.	.	.	.	.
29 CALEDONIA;SWW	7	5.49	77.4	33	.	.0	75	.	1.0	.	.	.	.	.	.	.	.
30 WISDOM;SRW	1	5.58	78.0	32	.	1.0	85	.	1.0	.	.	.	.	.	.	.	.
31 TW95412;SPWW	10	5.46	77.2	33	.	.8	92	.	2.0	.	.	.	.	.	.	.	.
MEANS		5.16	77.6	32	.	.1	84	.	1.3	.	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - NAIRN
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	27	5.79	78.5	37	.	.0	95	150	2.0	3.5	4.0	.	.	.	.	.	185
2 KARENA;SWW	22	6.00	79.0	35	.	3.0	105	151	2.5	4.5	4.0	.	.	.	.	.	187
3 AC RON;SWW	24	5.92	78.0	33	.	3.5	102	151	3.5	4.0	4.5	.	.	.	.	.	186
4 OAC ARISS;SWW	23	5.98	79.5	32	.	2.0	88	151	2.0	5.5	4.0	.	.	.	.	.	186
5 FUNDULEA;HRW	17	6.10	82.6	36	.	.0	93	152	4.5	2.5	3.5	.	.	.	.	.	187
6 MARILEE;SWW	6	6.54	76.7	38	.	1.0	97	152	3.5	6.5	3.5	.	.	.	.	.	187
7 FREEDOM;SRW	8	6.51	77.2	32	.	3.0	92	151	3.0	4.0	4.0	.	.	.	.	.	187
8 AC CARTIER;SWW	21	6.06	78.8	37	.	.3	98	151	1.0	3.0	4.0	.	.	.	.	.	188
9 AC MORLEY;HRW	20	6.07	81.0	35	.	5.5	105	151	.0	2.0	4.0	.	.	.	.	.	187
10 25W33;SWW-a	10	6.49	78.4	33	.	.3	83	149	.5	1.0	3.5	.	.	.	.	.	185
11 HANOVER;HRW	26	5.87	77.5	41	.	.0	94	151	4.0	3.5	4.5	.	.	.	.	.	188
12 MENDON;SRW	1	6.79	77.8	43	.	5.8	105	149	2.0	2.0	3.5	.	.	.	.	.	184
13 OAC MONTROSE;HRW	29	5.70	81.3	40	.	.0	104	150	3.0	3.0	4.5	.	.	.	.	.	187
14 PATRIOT;HRW	18	6.09	82.0	41	.	.0	95	150	1.5	2.0	3.5	.	.	.	.	.	187
15 2540;SRW-a	2	6.70	79.7	36	.	.8	92	149	2.0	3.0	4.0	.	.	.	.	.	184
16 25R57;SRW	7	6.53	79.3	37	.	.3	95	148	3.5	2.0	4.0	.	.	.	.	.	184
17 HURON;SWW	13	6.38	79.6	38	.	1.8	107	151	1.5	1.5	3.0	.	.	.	.	.	185
18 SUPERIOR;SWW	16	6.17	78.7	37	.	2.5	101	151	2.0	3.5	4.0	.	.	.	.	.	187
19 25R26;SRW-a	14	6.35	77.7	36	.	.3	84	150	2.5	2.5	3.5	.	.	.	.	.	183
20 25W60;SWW-a	5	6.55	79.4	35	.	1.3	93	147	1.5	2.5	4.0	.	.	.	.	.	183
21 AC MACKINNON;SWW	25	5.88	78.3	37	.	.0	101	150	2.0	7.0	3.5	.	.	.	.	.	183
22 AC MOUNTAIN;SWW	28	5.73	77.8	38	.	2.5	104	149	3.0	5.0	5.0	.	.	.	.	.	186
23 AC ESSEX;SWW	11	6.45	77.0	35	.	4.3	102	150	3.5	5.0	4.5	.	.	.	.	.	186
24 AC ZORRO;HRW	30	5.49	80.4	41	.	5.3	116	152	5.0	1.0	4.5	.	.	.	.	.	188
25 AC DELTA;HRW	31	5.22	80.3	37	.	.8	115	154	1.0	4.5	5.0	.	.	.	.	.	188
26 ASHLAND;SRW	4	6.60	77.9	34	.	1.5	97	148	4.0	4.5	3.5	.	.	.	.	.	187
27 CM95009;HRW-a	9	6.50	80.7	41	.	.0	91	149	1.0	1.0	2.5	.	.	.	.	.	184
28 CM951067;SRW	15	6.34	79.1	36	.	.0	94	150	3.0	4.0	3.5	.	.	.	.	.	186
29 CALEDONIA;SWW	3	6.69	79.2	41	.	.0	89	150	2.0	4.5	4.0	.	.	.	.	.	186
30 WISDOM;SRW	12	6.39	78.3	34	.	6.0	92	147	3.5	1.0	3.5	.	.	.	.	.	183
31 TW95412;SPWW	18	6.09	79.0	35	.	2.5	99	150	3.0	3.0	3.0	.	.	.	.	.	186
MEANS		6.19	79.1	37	.	1.8	98	150	2.5	3.3	3.9	.	.	.	.	.	186

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - WOODSTOCK
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	25	7.49	72.3	37	.	.8	105	154	2.3	4.3	.	.	.	.	.	.	.
2 KARENA;SWW	28	7.26	71.1	37	.	4.5	108	155	2.5	4.0	.	.	.	.	.	.	.
3 AC RON;SWW	29	7.20	69.9	35	.	4.0	108	154	2.5	3.5	.	.	.	.	.	.	.
4 OAC ARISS;SWW	24	7.58	76.1	42	.	.0	104	152	3.0	3.3	.	.	.	.	.	.	.
5 FUNDULEA;HRW	12	8.06	76.1	35	.	.0	101	155	3.8	2.8	.	.	.	.	.	.	.
6 MARILEE;SWW	23	7.59	69.9	39	.	1.0	101	156	4.8	4.5	.	.	.	.	.	.	.
7 FREEDOM;SRW	10	8.27	72.3	31	.	2.3	100	152	2.5	2.5	.	.	.	.	.	.	.
8 AC CARTIER;SWW	26	7.48	72.3	41	.	1.5	106	154	1.8	3.0	.	.	.	.	.	.	.
9 AC MORLEY;HRW	14	8.00	74.8	37	.	3.3	115	152	1.8	2.0	.	.	.	.	.	.	.
10 25W33;SWW-a	9	8.49	69.9	29	.	.0	89	152	1.0	1.5	.	.	.	.	.	.	.
11 HANOVER;HRW	19	7.87	72.3	42	.	.0	104	154	2.3	3.0	.	.	.	.	.	.	.
12 MENDON;SRW	15	7.92	72.3	39	.	6.5	103	151	2.0	2.0	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	22	7.68	76.1	41	.	.0	105	151	2.8	3.3	.	.	.	.	.	.	.
14 PATRIOT;HRW	13	8.05	76.1	38	.	.3	100	152	2.0	3.0	.	.	.	.	.	.	.
15 2540;SRW-a	3	8.97	72.3	33	.	.0	93	152	2.5	1.5	.	.	.	.	.	.	.
16 25R57;SRW	1	9.26	74.8	37	.	.0	91	151	1.8	1.8	.	.	.	.	.	.	.
17 HURON;SWW	17	7.91	73.6	39	.	6.0	105	154	2.8	1.0	.	.	.	.	.	.	.
18 SUPERIOR;SWW	4	8.96	72.3	38	.	1.8	103	155	2.5	3.3	.	.	.	.	.	.	.
19 25R26;SRW-a	11	8.09	72.3	34	.	.0	84	154	2.0	2.3	.	.	.	.	.	.	.
20 25W60;SWW-a	6	8.59	72.3	34	.	1.3	99	152	1.3	1.5	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	18	7.89	69.9	34	.	.5	106	151	2.0	6.5	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	27	7.36	71.1	39	.	3.3	104	151	2.5	5.5	.	.	.	.	.	.	.
23 AC ESSEX;SWW	15	7.92	71.1	39	.	2.0	106	152	2.8	4.5	.	.	.	.	.	.	.
24 AC ZORRO;HRW	31	6.88	74.8	42	.	5.5	119	155	3.8	1.0	.	.	.	.	.	.	.
25 AC DELTA;HRW	30	6.97	76.1	38	.	2.8	110	156	3.0	2.8	.	.	.	.	.	.	.
26 ASHLAND;SRW	7	8.57	72.3	33	.	.3	100	150	3.8	2.8	.	.	.	.	.	.	.
27 CM95009;HRW-a	8	8.56	74.8	45	.	.3	98	151	1.5	2.0	.	.	.	.	.	.	.
28 CM951067;SRW	2	9.22	73.6	36	.	.3	99	153	3.8	2.5	.	.	.	.	.	.	.
29 CALEDONIA;SWW	21	7.78	71.1	39	.	.0	93	153	1.8	2.0	.	.	.	.	.	.	.
30 WISDOM;SRW	5	8.68	74.8	38	.	.8	103	150	2.8	1.0	.	.	.	.	.	.	.
31 TW95412;SPWW	20	7.84	72.3	38	.	4.8	100	154	2.5	3.5	.	.	.	.	.	.	.
MEANS		8.01	72.9	37	.	1.7	102	153	2.5	2.8	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - ELORA
 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	17	5.01	78.6	34	.	.	74	152	3.5	.	.	.	.	.	.	.	.
2 KARENA;SWW	3	5.31	77.3	33	.	.	80	153	2.5	.	.	.	.	.	.	.	.
3 AC RON;SWW	10	5.18	77.3	34	.	.	76	153	4.0	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	27	4.38	77.3	41	.	.	74	153	4.3	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	29	4.37	79.8	35	.	.	63	155	5.5	.	.	.	.	.	.	.	.
6 MARILEE;SWW	22	4.73	76.1	36	.	.	73	153	3.8	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	24	4.67	77.3	30	.	.	64	152	3.3	.	.	.	.	.	.	.	.
8 AC CARTIER;SWW	4	5.27	79.8	38	.	.	78	153	3.8	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	15	5.08	81.1	34	.	.	82	152	2.8	.	.	.	.	.	.	.	.
10 25W33;SWW-a	6	5.23	77.3	30	.	.	56	152	2.0	.	.	.	.	.	.	.	.
11 HANOVER;HRW	12	5.16	78.6	41	.	.	73	153	3.5	.	.	.	.	.	.	.	.
12 MENDON;SRW	1	5.45	77.3	33	.	.	76	151	4.0	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	31	3.72	81.1	38	.	.	69	151	3.8	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	25	4.62	81.1	36	.	.	56	151	4.0	.	.	.	.	.	.	.	.
15 2540;SRW-a	16	5.02	78.6	33	.	.	62	151	1.8	.	.	.	.	.	.	.	.
16 25R57;SRW	7	5.22	79.8	33	.	.	63	150	3.8	.	.	.	.	.	.	.	.
17 HURON;SWW	9	5.19	78.6	34	.	.	76	153	2.5	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	2	5.41	77.3	34	.	.	72	153	3.0	.	.	.	.	.	.	.	.
19 25R26;SRW-a	20	4.84	76.1	29	.	.	51	152	3.0	.	.	.	.	.	.	.	.
20 25W60;SWW-a	14	5.11	77.3	30	.	.	59	151	2.5	.	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	23	4.71	79.8	32	.	.	69	150	3.5	.	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	10	5.18	78.6	38	.	.	77	152	4.3	.	.	.	.	.	.	.	.
23 AC ESSEX;SWW	13	5.14	77.3	35	.	.	76	152	3.8	.	.	.	.	.	.	.	.
24 AC ZORRO;HRW	30	4.23	78.6	39	.	.	76	153	5.0	.	.	.	.	.	.	.	.
25 AC DELTA;HRW	27	4.38	77.3	35	.	.	79	157	5.3	.	.	.	.	.	.	.	.
26 ASHLAND;SRW	26	4.51	78.6	30	.	.	57	150	5.5	.	.	.	.	.	.	.	.
27 CM95009;HRW-a	18	4.87	81.1	40	.	.	71	151	3.0	.	.	.	.	.	.	.	.
28 CM951067;SRW	18	4.87	78.6	33	.	.	66	152	4.0	.	.	.	.	.	.	.	.
29 CALEDONIA;SWW	5	5.24	79.8	34	.	.	68	152	3.0	.	.	.	.	.	.	.	.
30 WISDOM;SRW	21	4.74	81.1	35	.	.	70	149	3.5	.	.	.	.	.	.	.	.
31 TW95412;SPWW	8	5.21	78.6	34	.	.	75	152	3.3	.	.	.	.	.	.	.	.
MEANS		4.91	78.6	35	.	.	70	152	3.6	.	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - HARRISTON
 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	13	4.94	71.2	30	.	.	86	159	2.5	3.0	.	.	.	.	.	.	.
2 KARENA;SWW	7	5.12	71.6	32	.	.	82	160	1.5	1.0	.	.	.	.	.	.	.
3 AC RON;SWW	21	4.73	70.4	31	.	.	80	161	2.0	7.0	.	.	.	.	.	.	.
4 OAC ARISS;SWW	18	4.83	72.6	27	.	.	73	161	1.0	6.0	.	.	.	.	.	.	.
5 FUNDULEA;HRW	27	4.22	72.6	27	.	.	79	164	3.0	4.0	.	.	.	.	.	.	.
6 MARILEE;SWW	6	5.16	69.2	32	.	.	79	162	2.5	7.0	.	.	.	.	.	.	.
7 FREEDOM;SRW	8	5.10	70.6	31	.	.	82	162	2.5	3.0	.	.	.	.	.	.	.
8 AC CARTIER;SWW	12	4.98	72.0	34	.	.	88	162	1.5	1.0	.	.	.	.	.	.	.
9 AC MORLEY;HRW	9	5.03	75.0	34	.	.	72	161	1.5	1.0	.	.	.	.	.	.	.
10 25W33;SWW-a	4	5.31	64.4	28	.	.	80	162	1.5	1.0	.	.	.	.	.	.	.
11 HANOVER;HRW	31	3.84	58.8	33	.	.	74	163	2.5	4.0	.	.	.	.	.	.	.
12 MENDON;SRW	16	4.84	68.4	32	.	.	78	158	1.5	4.0	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	28	4.16	72.4	32	.	.	74	159	2.0	7.0	.	.	.	.	.	.	.
14 PATRIOT;HRW	16	4.84	74.2	34	.	.	69	161	1.5	1.0	.	.	.	.	.	.	.
15 2540;SRW-a	1	5.43	74.4	35	.	.	68	159	1.5	4.0	.	.	.	.	.	.	.
16 25R57;SRW	20	4.80	72.4	34	.	.	75	158	1.5	3.0	.	.	.	.	.	.	.
17 HURON;SWW	3	5.36	73.8	34	.	.	81	160	2.0	2.0	.	.	.	.	.	.	.
18 SUPERIOR;SWW	5	5.26	73.4	32	.	.	78	161	3.0	6.0	.	.	.	.	.	.	.
19 25R26;SRW-a	11	5.00	71.2	28	.	.	64	158	3.0	.0	.	.	.	.	.	.	.
20 25W60;SWW-a	22	4.68	73.4	31	.	.	73	157	3.0	2.0	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	19	4.81	71.8	29	.	.	79	158	2.0	8.0	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	30	3.92	66.6	27	.	.	81	157	3.0	8.0	.	.	.	.	.	.	.
23 AC ESSEX;SWW	26	4.41	68.6	29	.	.	80	159	2.5	4.0	.	.	.	.	.	.	.
24 AC ZORRO;HRW	24	4.60	73.2	38	.	.	83	163	2.5	1.0	.	.	.	.	.	.	.
25 AC DELTA;HRW	29	4.03	66.2	34	.	.	86	165	3.0	6.0	.	.	.	.	.	.	.
26 ASHLAND;SRW	25	4.54	70.4	30	.	.	78	158	3.5	2.0	.	.	.	.	.	.	.
27 CM95009;HRW-a	2	5.38	76.8	38	.	.	78	158	2.0	.0	.	.	.	.	.	.	.
28 CM951067;SRW	15	4.90	71.0	30	.	.	75	160	3.5	4.0	.	.	.	.	.	.	.
29 CALEDONIA;SWW	22	4.68	70.8	29	.	.	69	159	1.5	3.0	.	.	.	.	.	.	.
30 WISDOM;SRW	10	5.02	72.2	30	.	.	74	157	2.0	2.0	.	.	.	.	.	.	.
31 TW95412;SPWW	14	4.91	71.6	32	.	.	81	161	1.5	6.0	.	.	.	.	.	.	.
MEANS		4.80	71.0	32	.	.	77	160	2.2	3.6	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

LOCATION - BATH
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	16	4.84	79.8	39	.	1.0	85	148	.	.	.	.	.	.	.	.	.
2 KARENA;SWW	12	4.97	78.2	40	.	1.5	93	149	.	.	.	.	.	.	.	.	.
3 AC RON;SWW	28	4.43	77.3	38	.	1.0	89	147	.	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	21	4.70	79.8	37	.	1.8	81	150	.	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	18	4.78	81.8	36	.	1.0	84	151	.	.	.	.	.	.	.	.	.
6 MARILEE;SWW	5	5.27	76.6	44	.	1.0	93	150	.	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	24	4.56	78.0	38	.	1.5	83	148	.	.	.	.	.	.	.	.	.
8 AC CARTIER;SWW	4	5.30	80.6	45	.	1.3	94	149	.	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	7	5.08	81.7	39	.	3.0	98	148	.	.	.	.	.	.	.	.	.
10 25W33;SWW-a	30	4.30	78.3	38	.	1.0	73	148	.	.	.	.	.	.	.	.	.
11 HANOVER;HRW	26	4.54	77.6	44	.	1.0	85	150	.	.	.	.	.	.	.	.	.
12 MENDON;SRW	1	5.37	77.8	45	.	2.3	90	147	.	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	31	4.09	82.6	45	.	1.0	88	147	.	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	15	4.89	82.3	43	.	1.0	84	148	.	.	.	.	.	.	.	.	.
15 2540;SRW-a	24	4.56	79.4	40	.	1.0	76	147	.	.	.	.	.	.	.	.	.
16 25R57;SRW	19	4.77	80.1	41	.	1.0	79	146	.	.	.	.	.	.	.	.	.
17 HURON;SWW	8	5.06	78.9	39	.	1.5	91	149	.	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	14	4.92	77.8	43	.	1.0	86	150	.	.	.	.	.	.	.	.	.
19 25R26;SRW-a	20	4.72	77.8	36	.	1.0	71	148	.	.	.	.	.	.	.	.	.
20 25W60;SWW-a	16	4.84	79.7	39	.	2.0	83	145	.	.	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	11	4.98	78.8	39	.	1.0	85	146	.	.	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	9	5.00	77.9	42	.	1.8	90	147	.	.	.	.	.	.	.	.	.
23 AC ESSEX;SWW	13	4.95	77.9	42	.	2.0	90	147	.	.	.	.	.	.	.	.	.
24 AC ZORRO;HRW	27	4.48	80.6	44	.	2.3	101	151	.	.	.	.	.	.	.	.	.
25 AC DELTA;HRW	29	4.40	80.6	41	.	1.0	101	153	.	.	.	.	.	.	.	.	.
26 ASHLAND;SRW	3	5.32	78.7	39	.	1.5	83	146	.	.	.	.	.	.	.	.	.
27 CM95009;HRW-a	23	4.57	81.9	46	.	1.5	84	147	.	.	.	.	.	.	.	.	.
28 CM951067;SRW	6	5.13	79.5	39	.	1.8	84	148	.	.	.	.	.	.	.	.	.
29 CALEDONIA;SWW	22	4.69	78.7	42	.	1.0	74	148	.	.	.	.	.	.	.	.	.
30 WISDOM;SRW	10	4.99	80.3	39	.	2.5	85	146	.	.	.	.	.	.	.	.	.
31 TW95412;SPWW	2	5.34	78.9	42	.	1.3	91	149	.	.	.	.	.	.	.	.	.
MEANS		4.83	79.4	41	.	1.4	86	148	.	.	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; FALL WHEAT 1999

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	28	4.13	79.3	36	.	.	90	151	2.0	.	.	.	.	.	.	.	.
2 KARENA;SWW	27	4.16	78.5	37	.	.	100	152	1.5	.	.	.	.	.	.	.	.
3 AC RON;SWW	5	5.21	60.2	35	.	.	96	152	1.8	.	.	.	.	.	.	.	.
4 OAC ARISS;SWW	29	4.01	78.9	32	.	.	86	152	1.9	.	.	.	.	.	.	.	.
5 FUNDULEA;HRW	11	4.88	82.3	37	.	.	91	153	3.5	.	.	.	.	.	.	.	.
6 MARILEE;SWW	12	4.84	77.2	38	.	.	95	153	2.8	.	.	.	.	.	.	.	.
7 FREEDOM;SRW	20	4.54	77.8	34	.	.	85	151	.9	.	.	.	.	.	.	.	.
8 AC CARTIER;SWW	10	4.95	79.8	38	.	.	99	152	1.3	.	.	.	.	.	.	.	.
9 AC MORLEY;HRW	25	4.29	81.0	35	.	.	103	151	.5	.	.	.	.	.	.	.	.
10 25W33;SWW-a	8	5.01	78.4	32	.	.	81	150	.1	.	.	.	.	.	.	.	.
11 HANOVER;HRW	15	4.83	78.7	42	.	.	90	153	2.5	.	.	.	.	.	.	.	.
12 MENDON;SRW	16	4.82	77.6	41	.	.	99	150	.8	.	.	.	.	.	.	.	.
13 OAC MONTROSE;HRW	31	3.68	79.5	39	.	.	96	150	2.6	.	.	.	.	.	.	.	.
14 PATRIOT;HRW	12	4.84	82.1	38	.	.	90	152	.5	.	.	.	.	.	.	.	.
15 2540;SRW-a	16	4.82	79.4	36	.	.	86	151	.8	.	.	.	.	.	.	.	.
16 25R57;SRW	7	5.15	78.9	35	.	.	83	150	1.0	.	.	.	.	.	.	.	.
17 HURON;SWW	12	4.84	79.9	36	.	.	95	152	1.0	.	.	.	.	.	.	.	.
18 SUPERIOR;SWW	3	5.35	78.8	35	.	.	96	152	2.0	.	.	.	.	.	.	.	.
19 25R26;SRW-a	23	4.36	78.9	33	.	.	70	152	1.5	.	.	.	.	.	.	.	.
20 25W60;SWW-a	18	4.69	79.1	33	.	.	83	149	.5	.	.	.	.	.	.	.	.
21 AC MACKINNON;SWW	9	4.97	77.8	34	.	.	90	149	1.8	.	.	.	.	.	.	.	.
22 AC MOUNTAIN;SWW	4	5.25	78.3	36	.	.	94	150	2.5	.	.	.	.	.	.	.	.
23 AC ESSEX;SWW	1	5.54	77.7	35	.	.	94	150	2.6	.	.	.	.	.	.	.	.
24 AC ZORRO;HRW	30	3.89	79.4	39	.	.	104	154	4.1	.	.	.	.	.	.	.	.
25 AC DELTA;HRW	26	4.19	78.8	36	.	.	105	156	2.0	.	.	.	.	.	.	.	.
26 ASHLAND;SRW	23	4.36	78.0	37	.	.	86	150	5.3	.	.	.	.	.	.	.	.
27 CM95009;HRW-a	22	4.42	80.1	41	.	.	90	150	1.3	.	.	.	.	.	.	.	.
28 CM951067;SRW	19	4.56	81.6	39	.	.	86	150	3.3	.	.	.	.	.	.	.	.
29 CALEDONIA;SWW	2	5.38	79.1	37	.	.	84	151	.9	.	.	.	.	.	.	.	.
30 WISDOM;SRW	5	5.21	79.6	36	.	.	89	150	5.0	.	.	.	.	.	.	.	.
31 TW95412;SPWW	21	4.49	78.2	36	.	.	99	151	2.1	.	.	.	.	.	.	.	.
MEANS		4.70	78.5	36	.	.	91	151	1.9	.	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIALS; SPRING WHEAT 1999

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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

EA	ELORA
EO	EMO
HN	HARRISTON
KE	KEMPTVILLE
NL	NEW LISKEARD
O1	OTTAWA-1
RW	RENFREW
WR	WINCHESTER
WP	WINTHROP

ONTARIO PERFORMANCE TRIALS; SPRING WHEAT 1999

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 - I176, 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. Full Registration for Canada.
- *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.
- *AC Cadillac;HRS : BW689 - Pacific/BW553 - AAFC Research Station Lethbridge AB
Value Added Seeds & Hyland Seeds, W.G.Thompson & Sons Ltd.
- *AC Intrepid-HRS : BW693 - Laura/RL4596//CDC Teal - R.Depauw, Semiarid Prairie
Agricultural Research Centre, Agriculture & Agri-Food Canada,
Swift Current - Canterra Seeds/Advantage Seed Growers and
Processors Inc.- 1997 Regional Registration for all provinces
except Quebec.
- Laser-HRS : PT754 - NB134/70M009 - Keith Briggs and Kurt Kutschera,
University of Alberta - Canterra Seeds/Advantage Seed Growers
and Processors Inc. - Regional Registration for Nfld, PEI, NS,
MB, SK, AB, BC

* 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.

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

YEARS : 93-99

KEY NAME	AREA II (21)*	AREA III (14)	AREA V (8)+	PROV. (43)**
1 CELTIC	98.3	95.9	97.4	97.4
2 PACIFIC	101.7	104.1	102.6	102.6
OVERALL MEAN	3.27	3.67	3.84	3.50

YEARS : 95-99

KEY NAME	AREA II (15)*	AREA III (11)	AREA V (5)+	PROV. (31)**
1 CELTIC	97.4	92.1	97.5	95.5
2 PACIFIC	100.1	102.9	98.8	100.9
3 GRANDIN	102.5	105.0	103.7	103.6
OVERALL MEAN	3.39	3.66	3.93	3.57

YEARS : 96-99

KEY NAME	AREA II (12)*	AREA III (9)	AREA V (3)+	PROV. (24)**
1 CELTIC	99.0	88.7	105.5	95.9
2 PACIFIC	100.9	102.5	104.6	102.0
3 GRANDIN	103.9	100.2	109.8	103.2
4 QUANTUM	121.6	109.8	100.9	114.6
5 ROBLIN	97.2	84.5	96.0	92.3
6 AC DOMAIN	96.1	93.0	94.8	94.8
7 AC BARRIE	89.7	98.0	93.4	93.2
8 AC WALTON	95.7	114.6	92.8	102.4
9 AC BRIO	95.8	108.8	102.1	101.5
OVERALL MEAN	3.35	3.59	3.96	3.52

YEARS : 97-99

KEY NAME	AREA II (9)*	AREA III (7)	AREA V (3)	PROV. (19)**
1 CELTIC	100.2	91.2	104.8	97.6
2 PACIFIC	100.4	100.9	103.9	101.1
3 GRANDIN	104.2	97.6	109.1	102.5
4 QUANTUM	123.3	109.4	100.2	114.5
5 ROBLIN	97.2	81.4	95.4	91.1
6 AC DOMAIN	97.8	91.8	94.2	95.0
7 AC BARRIE	88.5	99.2	92.9	93.1
8 AC WALTON	99.9	116.7	92.3	104.9
9 AC BRIO	93.5	107.6	101.5	100.0
10 MCKENZIE	94.2	103.6	103.4	99.1
11 AC TAHO	100.8	100.7	102.4	101.0
OVERALL MEAN	3.15	3.44	3.98	3.39

+ THERE WERE NO AREA V LOCATIONS IN 1996

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

YEARS : 98-99

KEY NAME	AREA II (6)*	AREA III (5)	AREA V (2)	PROV. (13)**
1 CELTIC	101.1	90.8	101.5	97.2
2 PACIFIC	101.6	100.6	104.7	101.7
3 GRANDIN	105.1	94.8	105.1	101.2
4 QUANTUM	127.8	109.4	98.0	116.2
5 ROBLIN	101.2	78.4	91.8	91.0
6 AC DOMAIN	101.3	92.6	90.6	96.3
7 AC BARRIE	85.7	97.2	97.8	92.0
8 AC WALTON	95.6	115.1	102.7	104.2
9 AC BRIO	92.9	107.3	102.5	99.9
10 MCKENZIE	96.2	104.5	100.5	100.1
11 AC TAHO	103.4	99.8	101.9	101.8
12 AC CORA	86.8	97.6	99.6	92.9
13 AC DRUMMOND	101.4	111.9	103.4	105.7
OVERALL MEAN	2.91	3.19	4.57	3.27

YEARS : 1999

KEY NAME	AREA II (3)*	AREA III (3)	AREA V (1)	PROV. (7)**
1 CELTIC	100.3	99.3	102.0	100.1
2 PACIFIC	105.3	94.8	107.8	101.1
3 GRANDIN	107.1	101.4	101.4	103.8
4 QUANTUM	124.4	111.3	97.8	115.0
5 ROBLIN	97.0	88.4	86.1	91.8
6 AC DOMAIN	105.5	99.4	90.7	100.8
7 AC BARRIE	89.0	96.4	103.4	94.2
8 AC WALTON	101.8	110.6	110.5	106.8
9 AC BRIO	96.1	109.1	98.2	102.0
10 MCKENZIE	94.9	104.8	95.3	99.2
11 AC TAHO	104.8	97.9	98.4	100.9
12 AC CORA	90.0	90.3	99.0	91.4
13 AC DRUMMOND	105.2	108.5	104.6	106.5
14 AC CADILLAC	101.9	104.5	98.6	102.6
15 AC INTREPID	89.8	95.1	102.0	93.8
16 LASER	86.7	88.1	104.4	89.8
OVERALL MEAN	3.77	3.89	4.96	3.99

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S): 93-96
 AREA(S): 2- 5

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WP93N	EA93N	HN93N	O193N	NL93N	WP94N	EA94N	HN94N	KE94N	O194N	NL94N	EO94N
1 CELTIC	99	85	104	101	92	100	105	104	103	108	91	100
2 PACIFIC	100	113	100	96	104	103	104	106	108	103	99	116
3 GRANDIN	101	102	96	103	104	.	.	.	.	.	.	.
4 QUANTUM	.	.	.	.	.	.	.	.	.	.	.	.
5 ROBLIN	.	.	.	.	.	97	91	90	90	89	111	84
6 AC DOMAIN	.	.	.	.	.	.	.	.	.	.	.	.
7 AC BARRIE	.	.	.	.	.	.	.	.	.	.	.	.
8 AC WALTON	.	.	.	.	.	.	.	.	.	.	.	.
9 AC BRIO	.	.	.	.	.	.	.	.	.	.	.	.
10 MCKENZIE	.	.	.	.	.	.	.	.	.	.	.	.
11 AC TAHO	.	.	.	.	.	.	.	.	.	.	.	.
12 AC CORA	.	.	.	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND	.	.	.	.	.	.	.	.	.	.	.	.
14 AC CADILLAC	.	.	.	.	.	.	.	.	.	.	.	.
15 AC INTREPID	.	.	.	.	.	.	.	.	.	.	.	.
16 LASER	.	.	.	.	.	.	.	.	.	.	.	.
LOCATION MEAN	2.54	2.95	3.90	5.13	4.95	2.26	3.39	3.05	3.33	3.57	4.00	2.56

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

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S): 97-99
 AREA(S): 2- 5

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WP97N	EA97N	HN97N	KE97N	O197N	NL97N	WP98N	EA98N	HN98N	KE98N	O198N	NL98N
1 CELTIC	109	96	97	89	92	111	93	99	118	60	98	101
2 PACIFIC	99	101	100	97	100	102	89	106	103	122	100	101
3 GRANDIN	111	105	97	98	107	117	91	117	107	81	92	108
4 QUANTUM	118	119	115	106	107	104	131	137	132	103	113	98
5 ROBLIN	92	98	86	94	81	102	88	118	115	63	66	97
6 AC DOMAIN	90	98	91	90	86	101	99	103	94	79	89	90
7 AC BARRIE	88	98	101	100	104	83	82	84	85	110	89	92
8 AC WALTON	109	100	122	123	113	71	110	83	80	125	122	95
9 AC BRIO	104	93	94	111	101	99	102	77	95	96	117	106
10 MCKENZIE	86	94	96	91	107	109	111	93	93	118	93	105
11 AC TAHO	94	98	101	100	101	103	99	104	107	113	96	105
12 AC CORA	.	.	.	.	.	.	101	71	83	114	106	100
13 AC DRUMMOND	.	.	.	.	.	.	103	106	89	117	120	102
14 AC CADILLAC	.	.	.	.	.	.	.	.	.	.	.	.
15 AC INTREPID	.	.	.	.	.	.	.	.	.	.	.	.
16 LASER	.	.	.	.	.	.	.	.	.	.	.	.
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

KEY NAME	WP99N	EA99N	HN99N	RW99N	O199N	WR99N	NL99N
1 CELTIC	96	97	108	101	96	101	102
2 PACIFIC	114	95	106	94	95	95	108
3 GRANDIN	107	101	113	99	101	105	101
4 QUANTUM	132	109	133	107	116	111	98
5 ROBLIN	100	95	96	97	74	95	86
6 AC DOMAIN	115	99	103	95	112	91	91
7 AC BARRIE	81	95	91	95	93	101	103
8 AC WALTON	89	111	106	102	123	107	110
9 AC BRIO	95	102	91	115	107	105	98
10 MCKENZIE	94	97	93	112	102	101	95
11 AC TAHO	109	103	103	102	93	99	98
12 AC CORA	93	93	84	98	93	81	99
13 AC DRUMMOND	105	112	99	109	103	113	105
14 AC CADILLAC	106	100	100	102	121	91	99
15 AC INTREPID	81	99	89	95	91	99	102
16 LASER	84	90	86	77	80	107	104
LOCATION MEAN	2.90	4.85	3.57	3.48	3.22	4.96	4.96

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEARS : 93-99

KEY NAME	AREA II (21)*	AREA III (14)	AREA V (8)+	PROV. (43)**
1 CELTIC	3.21	3.56	3.73	3.42
2 PACIFIC	3.32	3.78	3.96	3.59
OVERALL MEAN	3.27	3.67	3.84	3.50

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (21)*	AREA III (14)	AREA V (8)+	PROV. (43)**
1 CELTIC	98.3	95.9	97.4	97.4
2 PACIFIC	101.7	104.1	102.6	102.6
OVERALL MEAN	3.27	3.67	3.84	3.50

+ THERE WERE NO AREA V LOCATIONS IN 1996

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

YEAR(S): 93-99

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	0-9
1 CELTIC	2	3.21	74.8	36	1.2	83	54	3.2	0.6	4.0	1.6	1.6	.	1.0	0.8	90
2 PACIFIC	1	3.32	73.9	34	2.8	100	55	1.8	1.0	3.6	2.2	2.0	.	3.0	1.5	89
LOCATIONS		21	21	21	11	21	21	18	7	13	3	6	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.

1999: WINTHROP, ELORA, HARRISTON.

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S): 93-99
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	2	3.56	78.7	34	2.2	77	54	3.3	.	.	.	2.3	.	.	.	89
2 PACIFIC	1	3.78	80.2	35	3.9	95	54	0.6	.	.	.	2.5	.	.	.	86
LOCATIONS		14	14	14	7	11	10	1	0	0	0	1	0	0	0	1

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. 1999: WINCHESTER, OTTAWA-1, RENFREW.

YEAR(S): 93-99
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	2	3.73	74.0	33	1.1	81	54	.	.	6.3	.	.	.	.	.	106
2 PACIFIC	1	3.96	74.4	34	1.7	99	54	.	.	6.8	.	.	.	.	.	104
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: NO AREA V LOCATIONS. 1997: NEW LISKEARD. 1998: NEW LISKEARD.
1999: NEW LISKEARD.

YEAR(S): 93-99
AREA(S): 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	2	3.42	75.8	35	1.5	81	54	3.2	0.6	4.1	1.6	1.7	.	1.0	0.8	97
2 PACIFIC	1	3.59	76.0	34	2.9	99	54	1.7	1.0	3.9	2.2	2.0	.	3.0	1.5	96
LOCATIONS		43	44	44	23	41	37	19	7	14	3	7	0	1	3	11

YIELD AVERAGES WERE BASED ON DATA FROM:
1993: WINTHROP, ELORA, HARRISTON, OTTAWA-1, NEW 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.
1997: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.
1998: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.
1999: WINTHROP, ELORA, HARRISTON, WINCHESTER, OTTAWA-1, RENFREW, NEW LISKEARD.

+ THERE WERE NO AREA V LOCATIONS IN 1996

* DAYS FROM PLANTING

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ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEARS : 95-99

KEY NAME	AREA II (15)*	AREA III (11)	AREA V (5)+	PROV. (31)**
1 CELTIC	97.4	92.1	97.5	95.5
2 PACIFIC	100.1	102.9	98.8	100.9
3 GRANDIN	102.5	105.0	103.7	103.6
OVERALL MEAN	3.39	3.66	3.93	3.57

YEARS : 95-99

KEY NAME	AREA II (15)*	AREA III (11)	AREA V (5)+	PROV. (31)**
1 CELTIC	3.29	3.40	3.82	3.41
2 PACIFIC	3.39	3.70	3.92	3.59
3 GRANDIN	3.48	3.90	4.06	3.72
OVERALL MEAN	3.39	3.66	3.93	3.57

+ THERE WERE NO AREA V LOCATIONS IN 1996

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

98
ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S): 95-99
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	3	3.29	74.9	36	1.0	81	54	3.4	0.6	4.2	2.0	1.6	.	1.0	0.0	90
2 PACIFIC	2	3.39	73.4	33	2.8	98	54	1.8	0.6	4.1	3.0	2.2	.	3.0	0.0	89
3 GRANDIN	1	3.48	75.6	38	1.2	82	53	3.2	0.8	4.3	1.5	1.8	.	3.5	2.0	89
LOCATIONS		15	15	15	8	15	15	13	6	8	1	5	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.
 1999: WINTHROP, ELORA, HARRISTON.

YEAR(S): 95-99
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	3	3.40	78.6	34	3.1	75	54	3.3	.	.	.	2.3	.	.	.	89
2 PACIFIC	2	3.70	79.9	35	4.4	93	53	0.6	.	.	.	2.5	.	.	.	86
3 GRANDIN	1	3.90	79.5	36	2.1	78	52	2.3	.	.	.	3.8	.	.	.	88
LOCATIONS		11	11	11	5	8	7	1	0	0	0	1	0	0	0	1

YIELD AVERAGES WERE BASED ON DATA FROM:
 1995: KEMPTVILLE, OTTAWA-1. 1996: KEMPTVILLE, OTTAWA-1.
 1997: KEMPTVILLE, OTTAWA-1. 1998: KEMPTVILLE, OTTAWA-1.
 1999: WINCHESTER, OTTAWA-1, RENFREW.

YEAR(S): 95-99
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	3	3.82	74.7	33	1.6	78	53	.	.	.	.	.	.	.	.	106
2 PACIFIC	2	3.92	75.5	34	2.4	96	54	.	.	.	.	.	.	.	.	104
3 GRANDIN	1	4.06	75.8	34	1.5	78	53	.	.	.	.	.	.	.	.	105
LOCATIONS		5	5	5	2	5	3	0	0	0	0	0	0	0	0	5

YIELD AVERAGES WERE BASED ON DATA FROM:
 1995: NEW LISKEARD, EMO. 1996: NO AREA V LOCATIONS. 1997: NEW LISKEARD.
 1998: NEW LISKEARD. 1999: NEW LISKEARD.

YEAR(S): 95-99
AREA(S): 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	3	3.41	76.2	35	1.8	79	54	3.4	0.6	4.2	2.0	1.7	.	1.0	0.0	97
2 PACIFIC	2	3.59	76.0	34	3.3	96	54	1.7	0.6	4.1	3.0	2.2	.	3.0	0.0	96
3 GRANDIN	1	3.72	77.0	37	1.5	80	52	3.1	0.8	4.3	1.5	2.1	.	3.5	2.0	96
LOCATIONS		31	31	31	15	28	25	14	6	8	1	6	0	1	1	11

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.
 1999: WINTHROP, ELORA, HARRISTON, WINCHESTER, OTTAWA-1, RENFREW, NEW LISKEARD.

+ THERE WERE NO AREA V LOCATIONS IN 1996
 * DAYS FROM PLANTING
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ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEARS : 96-99

KEY NAME	AREA II (12)*	AREA III (9)	AREA V (3)+	PROV. (24)**
1 CELTIC	3.31	3.20	4.14	3.37
2 PACIFIC	3.39	3.62	4.16	3.57
3 GRANDIN	3.49	3.64	4.29	3.65
4 QUANTUM	4.02	3.92	3.97	3.98
5 ROBLIN	3.24	3.13	3.74	3.26
6 AC DOMAIN	3.21	3.35	3.71	3.32
7 AC BARRIE	3.05	3.49	3.77	3.30
8 AC WALTON	3.23	4.04	3.82	3.61
9 AC BRIO	3.24	3.90	4.04	3.59
OVERALL MEAN	3.35	3.59	3.96	3.52

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

YEARS : 96-99

KEY NAME	AREA II (12)*	AREA III (9)	AREA V (3)+	PROV. (24)**
1 CELTIC	99.0	88.7	105.5	95.9
2 PACIFIC	100.9	102.5	104.6	102.0
3 GRANDIN	103.9	100.2	109.8	103.2
4 QUANTUM	121.6	109.8	100.9	114.6
5 ROBLIN	97.2	84.5	96.0	92.3
6 AC DOMAIN	96.1	93.0	94.8	94.8
7 AC BARRIE	89.7	98.0	93.4	93.2
8 AC WALTON	95.7	114.6	92.8	102.4
9 AC BRIO	95.8	108.8	102.1	101.5
OVERALL MEAN	3.35	3.59	3.96	3.52

+ THERE WERE NO AREA V LOCATIONS IN 1996

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S) : 96-99
 MGMT : NORMAL
 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	4	3.31	74.7	37	1.0	81	54	3.2	0.6	4.3	2.0	1.4	.	1.0	0.0	90
2 PACIFIC	3	3.39	73.1	34	2.6	98	54	1.9	0.6	4.3	3.0	1.7	.	3.0	0.0	89
3 GRANDIN	2	3.49	75.8	39	1.0	83	53	3.3	0.8	4.5	1.5	1.4	.	3.5	2.0	90
4 QUANTUM	1	4.02	75.9	41	1.0	87	53	0.3	3.0	3.8	2.0	1.0	.	2.0	0.0	87
5 ROBLIN	5	3.24	72.9	35	1.7	88	50	4.1	1.4	5.1	2.5	1.8	.	3.0	0.0	88
6 AC DOMAIN	8	3.21	74.7	34	1.5	90	53	2.3	0.9	5.2	3.5	0.9	.	3.5	1.0	88
7 AC BARRIE	9	3.05	74.4	34	0.9	90	56	4.7	2.8	6.1	5.5	0.7	.	3.0	0.0	90
8 AC WALTON	7	3.23	69.8	33	0.5	95	58	0.5	4.2	4.2	5.0	1.0	.	1.0	0.0	93
9 AC BRIO	5	3.24	73.6	36	1.0	94	56	4.2	1.5	5.7	5.5	0.9	.	2.0	1.0	91
LOCATIONS		12	11	11	7	12	12	10	6	6	1	4	0	1	1	4

YIELD AVERAGES WERE BASED ON DATA FROM:
 1996: WINTHROP, ELORA, HARRISTON. 1997: WINTHROP, ELORA, HARRISTON.
 1998: WINTHROP, ELORA, HARRISTON. 1999: WINTHROP, ELORA, HARRISTON.

YEAR(S) : 96-99
 MGMT : NORMAL
 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	8	3.20	78.3	34	3.8	75	54	3.3	.	.	.	2.3	.	.	.	89
2 PACIFIC	5	3.62	79.8	35	4.4	92	53	0.6	.	.	.	2.5	.	.	.	86
3 GRANDIN	4	3.64	79.4	36	2.7	78	51	2.3	.	.	.	3.8	.	.	.	88
4 QUANTUM	2	3.92	80.1	40	2.0	79	51	0.5	.	.	.	2.3	.	.	.	87
5 ROBLIN	9	3.13	77.1	34	3.9	81	51	4.6	.	.	.	6.0	.	.	.	87
6 AC DOMAIN	7	3.35	79.1	33	4.4	85	52	0.9	.	.	.	3.0	.	.	.	88
7 AC BARRIE	6	3.49	79.2	35	3.9	86	54	4.4	.	.	.	1.8	.	.	.	89
8 AC WALTON	1	4.04	76.8	36	2.1	86	55	0.5	.	.	.	2.3	.	.	.	89
9 AC BRIO	3	3.90	79.7	38	3.9	90	54	5.1	.	.	.	2.0	.	.	.	88
LOCATIONS		9	9	9	4	7	6	1	0	0	0	1	0	0	0	1

YIELD AVERAGES WERE BASED ON DATA FROM:
 1996: KEMPTVILLE, OTTAWA-1. 1997: KEMPTVILLE, OTTAWA-1.
 1998: KEMPTVILLE, OTTAWA-1. 1999: WINCHESTER, OTTAWA-1, RENFREW.

* DAYS FROM PLANTING
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ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S): 96-99
 MGMT : NORMAL
 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	3	4.14	74.4	33	1.3	79	55	.	.	.	.	.	.	.	.	.	112
2 PACIFIC	2	4.16	74.8	33	1.8	97	56	.	.	.	.	.	.	.	.	.	109
3 GRANDIN	1	4.29	74.8	31	1.0	79	54	.	.	.	.	.	.	.	.	.	111
4 QUANTUM	5	3.97	74.8	38	1.0	77	54	.	.	.	.	.	.	.	.	.	110
5 ROBLIN	8	3.74	71.5	33	1.0	85	52	.	.	.	.	.	.	.	.	.	108
6 AC DOMAIN	9	3.71	72.7	31	1.3	84	54	.	.	.	.	.	.	.	.	.	109
7 AC BARRIE	7	3.77	73.2	33	1.0	88	56	.	.	.	.	.	.	.	.	.	111
8 AC WALTON	6	3.82	71.9	33	1.0	86	57	.	.	.	.	.	.	.	.	.	112
9 AC BRIO	4	4.04	74.0	36	1.0	92	56	.	.	.	.	.	.	.	.	.	112
LOCATIONS		3	3	3	1	3	2	0	0	0	0	0	0	0	0	0	3

YIELD AVERAGES WERE BASED ON DATA FROM:
 1996: NO AREA V LOCATIONS. 1997: NEW LISKEARD. 1998: NEW LISKEARD.
 1999: NEW LISKEARD.

YEAR(S): 96-99
 MGMT : NORMAL
 AREA(S): 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	6	3.37	76.0	35	2.0	79	54	3.2	0.6	4.3	2.0	1.6	.	1.0	0.0	98
2 PACIFIC	5	3.57	76.0	34	3.1	96	54	1.8	0.6	4.3	3.0	1.9	.	3.0	0.0	96
3 GRANDIN	2	3.65	77.1	37	1.6	81	52	3.2	0.8	4.5	1.5	1.8	.	3.5	2.0	98
4 QUANTUM	1	3.98	77.4	40	1.3	83	53	0.3	3.0	3.8	2.0	1.2	.	2.0	0.0	95
5 ROBLIN	9	3.26	74.4	34	2.4	86	50	4.1	1.4	5.1	2.5	2.6	.	3.0	0.0	95
6 AC DOMAIN	7	3.32	76.1	33	2.4	88	53	2.2	0.9	5.2	3.5	1.4	.	3.5	1.0	96
7 AC BARRIE	8	3.30	76.1	34	1.9	88	55	4.6	2.8	6.1	5.5	0.9	.	3.0	0.0	98
8 AC WALTON	3	3.61	72.8	34	1.1	91	57	0.5	4.2	4.2	5.0	1.3	.	1.0	0.0	100
9 AC BRIO	4	3.59	76.0	37	2.0	93	55	4.3	1.5	5.7	5.5	1.1	.	2.0	1.0	98
LOCATIONS		24	23	23	12	22	20	11	6	6	1	5	0	1	1	8

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.
 1999: WINTHROP, ELORA, HARRISTON, WINCHESTER, OTTAWA-1, RENFREW, NEW LISKEARD.

+ THERE WERE NO AREA V LOCATIONS IN 1996
 * DAYS FROM PLANTING
 A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

TRIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEARS : 97-99

	AREA II (9)*	AREA III (7)	AREA V (3)	PROV. (19)**
1 CELTIC	3.15	3.19	4.14	3.32
2 PACIFIC	3.16	3.40	4.16	3.41
3 GRANDIN	3.29	3.41	4.29	3.49
4 QUANTUM	3.82	3.75	3.97	3.82
5 ROBLIN	3.03	2.93	3.74	3.10
6 AC DOMAIN	3.08	3.17	3.71	3.21
7 AC BARRIE	2.83	3.41	3.77	3.19
8 AC WALTON	3.21	3.97	3.82	3.58
9 AC BRIO	2.97	3.70	4.04	3.41
10 MCKENZIE	2.95	3.52	4.07	3.34
11 AC TAHO	3.17	3.44	4.06	3.41
OVERALL MEAN	3.15	3.44	3.98	3.39

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (9)*	AREA III (7)	AREA V (3)	PROV. (19)**
1 CELTIC	100.2	91.2	104.8	97.6
2 PACIFIC	100.4	100.9	103.9	101.1
3 GRANDIN	104.2	97.6	109.1	102.5
4 QUANTUM	123.3	109.4	100.2	114.5
5 ROBLIN	97.2	81.4	95.4	91.1
6 AC DOMAIN	97.8	91.8	94.2	95.0
7 AC BARRIE	88.5	99.2	92.9	93.1
8 AC WALTON	99.9	116.7	92.3	104.9
9 AC BRIO	93.5	107.6	101.5	100.0
10 MCKENZIE	94.2	103.6	103.4	99.1
11 AC TAHO	100.8	100.7	102.4	101.0
OVERALL MEAN	3.15	3.44	3.98	3.39

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S) : 97-99
 MGMT : NORMAL
 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	6	3.15	73.6	36	1.4	79	54	3.6	0.8	3.9	2.0	2.5	.	1.0	0.0	87
2 PACIFIC	5	3.16	71.5	33	2.4	93	54	1.9	0.5	3.9	3.0	2.5	.	3.0	0.0	85
3 GRANDIN	2	3.29	74.8	38	1.2	80	53	3.6	1.1	3.6	1.5	2.5	.	3.5	2.0	86
4 QUANTUM	1	3.82	74.9	40	1.1	84	53	0.4	4.2	2.8	2.0	2.0	.	2.0	0.0	83
5 ROBLIN	8	3.03	71.9	34	1.8	84	50	4.1	1.8	4.3	2.5	3.0	.	3.0	0.0	84
6 AC DOMAIN	7	3.08	74.0	33	1.5	87	53	2.3	1.6	4.3	3.5	1.5	.	3.5	1.0	85
7 AC BARRIE	11	2.83	73.6	32	1.2	85	56	4.7	3.7	5.8	5.5	1.0	.	3.0	0.0	86
8 AC WALTON	3	3.21	69.1	32	0.6	91	58	0.5	4.8	3.0	5.0	1.0	.	1.0	0.0	89
9 AC BRIO	9	2.97	72.8	35	1.2	91	56	4.4	1.8	4.9	5.5	1.5	.	2.0	1.0	87
10 MCKENZIE	10	2.95	74.0	32	2.6	88	53	4.8	0.5	5.7	6.0	2.0	.	3.0	1.5	86
11 AC TAHO	4	3.17	71.6	33	1.3	88	55	3.2	0.6	4.5	4.0	2.0	.	2.5	0.0	86
LOCATIONS		9	8	8	5	9	9	8	3	3	1	1	0	1	1	2

YIELD AVERAGES WERE BASED ON DATA FROM:

1997: WINTHROP, ELORA, HARRISTON. 1998: WINTHROP, ELORA, HARRISTON.
 1999: WINTHROP, ELORA, HARRISTON.

YEAR(S) : 97-99
 MGMT : NORMAL
 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	9	3.19	77.3	34	3.9	69	53	.	.	.	.	2.3	.	.	.	89
2 PACIFIC	8	3.40	78.8	34	4.5	83	53	.	.	.	.	2.5	.	.	.	86
3 GRANDIN	6	3.41	78.2	36	3.2	71	51	.	.	.	.	3.8	.	.	.	88
4 QUANTUM	2	3.75	79.1	39	2.3	71	51	.	.	.	.	2.3	.	.	.	87
5 ROBLIN	11	2.93	75.6	33	4.4	72	50	.	.	.	.	6.0	.	.	.	87
6 AC DOMAIN	10	3.17	78.1	32	5.0	78	52	.	.	.	.	3.0	.	.	.	88
7 AC BARRIE	6	3.41	78.2	35	3.5	78	54	.	.	.	.	1.8	.	.	.	89
8 AC WALTON	1	3.97	76.3	36	2.3	79	55	.	.	.	.	2.3	.	.	.	89
9 AC BRIO	3	3.70	78.6	37	4.9	82	54	.	.	.	.	2.0	.	.	.	88
10 MCKENZIE	4	3.52	78.4	32	4.6	79	52	.	.	.	.	1.8	.	.	.	87
11 AC TAHO	5	3.44	76.1	34	2.7	78	53	.	.	.	.	2.3	.	.	.	88
LOCATIONS		7	7	7	3	5	5	0	0	0	0	1	0	0	0	1

YIELD AVERAGES WERE BASED ON DATA FROM:

1997: KEMPTVILLE, OTTAWA-1. 1998: KEMPTVILLE, OTTAWA-1.
 1999: WINCHESTER, OTTAWA-1, RENFREW.

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S) : 97-99
 MGMT : NORMAL
 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	3	4.14	74.4	33	1.3	79	55	.	.	.	.	.	.	.	.	112
2 PACIFIC	2	4.16	74.8	33	1.8	97	56	.	.	.	.	.	.	.	.	109
3 GRANDIN	1	4.29	74.8	31	1.0	79	54	.	.	.	.	.	.	.	.	111
4 QUANTUM	7	3.97	74.8	38	1.0	77	54	.	.	.	.	.	.	.	.	110
5 ROBLIN	10	3.74	71.5	33	1.0	85	52	.	.	.	.	.	.	.	.	108
6 AC DOMAIN	11	3.71	72.7	31	1.3	84	54	.	.	.	.	.	.	.	.	109
7 AC BARRIE	9	3.77	73.2	33	1.0	88	56	.	.	.	.	.	.	.	.	111
8 AC WALTON	8	3.82	71.9	33	1.0	86	57	.	.	.	.	.	.	.	.	112
9 AC BRIO	6	4.04	74.0	36	1.0	92	56	.	.	.	.	.	.	.	.	112
10 MCKENZIE	4	4.07	74.0	31	5.0	89	55	.	.	.	.	.	.	.	.	111
11 AC TAHO	5	4.06	71.1	31	1.3	90	56	.	.	.	.	.	.	.	.	111
LOCATIONS		3	3	3	1	3	2	0	0	0	0	0	0	0	0	3

YIELD AVERAGES WERE BASED ON DATA FROM:
 1997: NEW LISKEARD. 1998: NEW LISKEARD. 1999: NEW LISKEARD.

YEAR(S) : 97-99
 MGMT : NORMAL
 AREA(S) : 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	8	3.32	75.2	35	2.2	76	54	3.6	0.8	3.9	2.0	2.4	.	1.0	0.0	100
2 PACIFIC	4	3.41	74.9	33	3.0	91	54	1.9	0.5	3.9	3.0	2.5	.	3.0	0.0	97
3 GRANDIN	3	3.49	76.1	36	1.8	77	52	3.6	1.1	3.6	1.5	3.2	.	3.5	2.0	99
4 QUANTUM	1	3.82	76.5	39	1.5	79	52	0.4	4.2	2.8	2.0	2.2	.	2.0	0.0	97
5 ROBLIN	11	3.10	73.3	33	2.6	81	51	4.1	1.8	4.3	2.5	4.5	.	3.0	0.0	96
6 AC DOMAIN	9	3.21	75.4	32	2.7	84	53	2.3	1.6	4.3	3.5	2.2	.	3.5	1.0	98
7 AC BARRIE	10	3.19	75.3	33	1.9	83	55	4.7	3.7	5.8	5.5	1.4	.	3.0	0.0	99
8 AC WALTON	2	3.58	72.4	34	1.2	86	57	0.5	4.8	3.0	5.0	1.6	.	1.0	0.0	100
9 AC BRIO	4	3.41	75.2	36	2.4	88	56	4.4	1.8	4.9	5.5	1.8	.	2.0	1.0	100
10 MCKENZIE	7	3.34	75.7	32	3.5	85	53	4.8	0.5	5.7	6.0	1.9	.	3.0	1.5	99
11 AC TAHO	4	3.41	73.2	33	1.7	85	54	3.2	0.6	4.5	4.0	2.2	.	2.5	0.0	99
LOCATIONS		19	18	18	9	17	16	8	3	3	1	2	0	1	1	6

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.
 1999: WINTHROP, ELORA, HARRISTON, WINCHESTER, OTTAWA-1, RENFREW, NEW LISKEARD.

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

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEARS : 98-99

KEY NAME	AREA II (6)*	AREA III (5)	AREA V (2)	PROV. (13)**
1 CELTIC	2.92	2.97	4.64	3.20
2 PACIFIC	2.95	3.14	4.80	3.31
3 GRANDIN	3.06	3.09	4.79	3.34
4 QUANTUM	3.63	3.49	4.48	3.71
5 ROBLIN	2.90	2.63	4.18	2.99
6 AC DOMAIN	2.95	2.98	4.14	3.15
7 AC BARRIE	2.53	3.10	4.49	3.05
8 AC WALTON	2.84	3.59	4.72	3.42
9 AC BRIO	2.72	3.41	4.67	3.29
10 MCKENZIE	2.77	3.32	4.57	3.26
11 AC TAHO	3.00	3.16	4.64	3.32
12 AC CORA	2.53	3.00	4.55	3.02
13 AC DRUMMOND	2.99	3.53	4.73	3.47
OVERALL MEAN	2.91	3.19	4.57	3.27

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (6)*	AREA III (5)	AREA V (2)	PROV. (13)**
1 CELTIC	101.1	90.8	101.5	97.2
2 PACIFIC	101.6	100.6	104.7	101.7
3 GRANDIN	105.1	94.8	105.1	101.2
4 QUANTUM	127.8	109.4	98.0	116.2
5 ROBLIN	101.2	78.4	91.8	91.0
6 AC DOMAIN	101.3	92.6	90.6	96.3
7 AC BARRIE	85.7	97.2	97.8	92.0
8 AC WALTON	95.6	115.1	102.7	104.2
9 AC BRIO	92.9	107.3	102.5	99.9
10 MCKENZIE	96.2	104.5	100.5	100.1
11 AC TAHO	103.4	99.8	101.9	101.8
12 AC CORA	86.8	97.6	99.6	92.9
13 AC DRUMMOND	101.4	111.9	103.4	105.7
OVERALL MEAN	2.91	3.19	4.57	3.27

* # OF LOCATIONS

** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S) : 98-99
 MGMT : NORMAL
 AREA : 2

KEY NAME	YIELD RK T/HA	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 *	
																6
1 CELTIC	7	2.92	71.8	35	1.4	79	53	3.3	0.0	3.7	2.0	2.5	.	1.0	.	87
2 PACIFIC	5	2.95	68.7	32	2.4	94	53	2.5	0.0	2.9	3.0	2.5	.	3.0	.	85
3 GRANDIN	2	3.06	73.7	37	1.2	79	51	4.0	1.0	2.7	1.5	2.5	.	3.5	.	86
4 QUANTUM	1	3.63	73.7	39	1.1	85	52	0.6	7.0	1.2	2.0	2.0	.	2.0	.	83
5 ROBLIN	8	2.90	70.9	34	1.8	84	49	4.8	3.0	3.0	2.5	3.0	.	3.0	.	84
6 AC DOMAIN	5	2.95	72.5	31	1.5	88	52	2.7	3.0	3.4	3.5	1.5	.	3.5	.	85
7 AC BARRIE	12	2.53	72.3	31	1.2	85	54	4.8	7.0	5.4	5.5	1.0	.	3.0	.	86
8 AC WALTON	9	2.84	66.5	30	0.6	90	57	0.8	7.0	1.8	5.0	1.0	.	1.0	.	89
9 AC BRIO	11	2.72	71.3	33	1.2	91	55	4.2	3.0	4.2	5.5	1.5	.	2.0	.	87
10 MCKENZIE	10	2.77	72.8	30	2.6	88	52	4.8	0.0	5.2	6.0	2.0	.	3.0	.	86
11 AC TAHO	3	3.00	70.1	31	1.3	88	53	4.1	0.0	3.5	4.0	2.0	.	2.5	.	86
12 AC CORA	12	2.53	70.2	28	1.4	90	56	4.6	0.0	4.7	4.5	1.0	.	2.5	.	87
13 AC DRUMMOND	4	2.99	73.2	36	0.7	86	56	4.9	8.0	4.0	2.0	2.0	.	2.0	.	89
LOCATIONS																

YIELD AVERAGES WERE BASED ON DATA FROM:
 1998: WINTHROP, ELORA, HARRISTON. 1999: WINTHROP, ELORA, HARRISTON.

YEAR(S) : 98-99
 MGMT : NORMAL
 AREA : 3

KEY NAME	YIELD RK T/HA	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 *	
																5
1 CELTIC	12	2.97	75.9	32	3.9	71	53	.	.	.	.	2.3	.	.	.	89
2 PACIFIC	7	3.14	76.8	33	4.5	86	53	.	.	.	.	2.5	.	.	.	86
3 GRANDIN	9	3.09	76.1	35	3.2	72	51	.	.	.	.	3.8	.	.	.	88
4 QUANTUM	3	3.49	77.1	37	2.3	74	51	.	.	.	.	2.3	.	.	.	87
5 ROBLIN	13	2.63	73.3	32	4.4	76	50	.	.	.	.	6.0	.	.	.	87
6 AC DOMAIN	11	2.98	76.1	31	5.0	81	52	.	.	.	.	3.0	.	.	.	88
7 AC BARRIE	8	3.10	77.0	33	3.5	80	54	.	.	.	.	1.8	.	.	.	89
8 AC WALTON	1	3.59	75.0	35	2.3	82	55	.	.	.	.	2.3	.	.	.	89
9 AC BRIO	4	3.41	77.1	36	4.9	85	53	.	.	.	.	2.0	.	.	.	88
10 MCKENZIE	5	3.32	76.4	30	4.6	82	52	.	.	.	.	1.8	.	.	.	87
11 AC TAHO	6	3.16	74.0	32	2.7	80	53	.	.	.	.	2.3	.	.	.	88
12 AC CORA	10	3.00	75.1	30	4.5	85	54	.	.	.	.	2.3	.	.	.	88
13 AC DRUMMOND	2	3.53	78.9	40	2.5	82	55	.	.	.	.	1.0	.	.	.	90
LOCATIONS																

YIELD AVERAGES WERE BASED ON DATA FROM:
 1998: KEMPTVILLE, OTTAWA-1. 1999: WINCHESTER, OTTAWA-1, RENFREW.

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

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR(S): 98-99
 MGMT : NORMAL
 AREA : 5

KEY NAME	YIELD RK T/HA	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 *
1 CELTIC	6 4.64	75.4	37	1.3	80	64	.	.	.	.	.	.	.	.	118
2 PACIFIC	1 4.80	76.1	39	1.8	98	65	.	.	.	.	.	.	.	.	113
3 GRANDIN	2 4.79	76.1	35	1.0	79	63	.	.	.	.	.	.	.	.	115
4 QUANTUM	11 4.48	76.7	43	1.0	76	63	.	.	.	.	.	.	.	.	113
5 ROBLIN	12 4.18	72.9	38	1.0	86	62	.	.	.	.	.	.	.	.	109
6 AC DOMAIN	13 4.14	74.2	36	1.3	83	63	.	.	.	.	.	.	.	.	113
7 AC BARRIE	10 4.49	73.6	38	1.0	88	65	.	.	.	.	.	.	.	.	116
8 AC WALTON	4 4.72	72.9	38	1.0	85	65	.	.	.	.	.	.	.	.	115
9 AC BRIO	5 4.67	75.4	42	1.0	92	65	.	.	.	.	.	.	.	.	117
10 MCKENZIE	8 4.57	75.4	36	5.0	91	63	.	.	.	.	.	.	.	.	112
11 AC TAHO	6 4.64	72.3	36	1.3	90	65	.	.	.	.	.	.	.	.	112
12 AC CORA	9 4.55	74.2	35	1.5	96	65	.	.	.	.	.	.	.	.	117
13 AC DRUMMOND	3 4.73	76.7	44	1.0	87	65	.	.	.	.	.	.	.	.	118
LOCATIONS	2	2	2	1	2	1	0	0	0	0	0	0	0	0	2

YIELD AVERAGES WERE BASED ON DATA FROM:
 1998: NEW LISKEARD. 1999: NEW LISKEARD.

YEAR(S): 98-99
 MGMT : NORMAL
 AREA(S): 2- 5

KEY NAME	YIELD RK T/HA	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 *
1 CELTIC	9 3.20	74.1	34	2.2	76	54	3.3	0.0	3.7	2.0	2.4	.	1.0	.	100
2 PACIFIC	6 3.31	73.3	34	3.0	92	54	2.5	0.0	2.9	3.0	2.5	.	3.0	.	96
3 GRANDIN	4 3.34	75.1	36	1.8	77	52	4.0	1.0	2.7	1.5	3.2	.	3.5	.	98
4 QUANTUM	1 3.71	75.6	39	1.5	79	52	0.6	7.0	1.2	2.0	2.2	.	2.0	.	96
5 ROBLIN	13 2.99	72.2	34	2.6	82	50	4.8	3.0	3.0	2.5	4.5	.	3.0	.	94
6 AC DOMAIN	10 3.15	74.3	32	2.7	85	53	2.7	3.0	3.4	3.5	2.2	.	3.5	.	97
7 AC BARRIE	11 3.05	74.4	33	1.9	84	55	4.8	7.0	5.4	5.5	1.4	.	3.0	.	99
8 AC WALTON	3 3.42	71.1	33	1.2	87	57	0.8	7.0	1.8	5.0	1.6	.	1.0	.	99
9 AC BRIO	7 3.29	74.4	36	2.4	89	55	4.2	3.0	4.2	5.5	1.8	.	2.0	.	99
10 MCKENZIE	8 3.26	74.7	31	3.5	86	53	4.8	0.0	5.2	6.0	1.9	.	3.0	.	97
11 AC TAHO	5 3.32	72.1	32	1.7	86	54	4.1	0.0	3.5	4.0	2.2	.	2.5	.	97
12 AC CORA	12 3.02	72.9	30	2.4	89	56	4.6	0.0	4.7	4.5	1.6	.	2.5	.	99
13 AC DRUMMOND	2 3.47	76.2	39	1.3	85	57	4.9	8.0	4.0	2.0	1.5	.	2.0	.	101
LOCATIONS	13	12	12	9	12	11	5	1	2	1	2	0	1	0	5

YIELD AVERAGES WERE BASED ON DATA FROM:
 1998: WINTHROP, ELORA, HARRISTON, KEMPTVILLE, OTTAWA-1, NEW LISKEARD.
 1999: WINTHROP, ELORA, HARRISTON, WINCHESTER, OTTAWA-1, RENFREW, NEW LISKEARD.

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

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEARS : 1999

KEY NAME	AREA II (3)*	AREA III (3)	AREA V (1)	PROV. (7)**
1 CELTIC	3.78	3.87	5.06	4.00
2 PACIFIC	3.91	3.68	5.35	4.02
3 GRANDIN	4.02	3.96	5.03	4.14
4 QUANTUM	4.61	4.32	4.85	4.52
5 ROBLIN	3.64	3.48	4.27	3.66
6 AC DOMAIN	3.93	3.81	4.50	3.96
7 AC BARRIE	3.40	3.77	5.13	3.81
8 AC WALTON	3.91	4.27	5.48	4.29
9 AC BRIO	3.66	4.22	4.87	4.07
10 MCKENZIE	3.59	4.06	4.73	3.95
11 AC TAHO	3.94	3.81	4.88	4.02
12 AC CORA	3.40	3.46	4.91	3.64
13 AC DRUMMOND	4.00	4.24	5.19	4.27
14 AC CADILLAC	3.83	3.98	4.89	4.05
15 AC INTREPID	3.45	3.72	5.06	3.79
16 LASER	3.29	3.52	5.18	3.66
OVERALL MEAN	3.77	3.89	4.96	3.99

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA II (3)*	AREA III (3)	AREA V (1)	PROV. (7)**
1 CELTIC	100.3	99.3	102.0	100.1
2 PACIFIC	105.3	94.8	107.8	101.1
3 GRANDIN	107.1	101.4	101.4	103.8
4 QUANTUM	124.4	111.3	97.8	115.0
5 ROBLIN	97.0	88.4	86.1	91.8
6 AC DOMAIN	105.5	99.4	90.7	100.8
7 AC BARRIE	89.0	96.4	103.4	94.2
8 AC WALTON	101.8	110.6	110.5	106.8
9 AC BRIO	96.1	109.1	98.2	102.0
10 MCKENZIE	94.9	104.8	95.3	99.2
11 AC TAHO	104.8	97.9	98.4	100.9
12 AC CORA	90.0	90.3	99.0	91.4
13 AC DRUMMOND	105.2	108.5	104.6	106.5
14 AC CADILLAC	101.9	104.5	98.6	102.6
15 AC INTREPID	89.8	95.1	102.0	93.8
16 LASER	86.7	88.1	104.4	89.8
OVERALL MEAN	3.77	3.89	4.96	3.99

* # OF LOCATIONS
 ** AVERAGE ACROSS LOCATIONS

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR : 99
 MGMT : NORMAL
 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	9	3.78	74.8	40	1.5	82	53	3.2	0.0	.	.	2.5	.	.	.	.
2 PACIFIC	6	3.91	64.7	36	2.0	101	53	2.2	0.0	.	.	2.5	.	.	.	.
3 GRANDIN	2	4.02	75.9	42	1.2	85	52	4.8	1.0	.	.	2.5	.	.	.	.
4 QUANTUM	1	4.61	75.9	44	0.8	89	52	0.0	7.0	.	.	2.0	.	.	.	.
5 ROBLIN	11	3.64	72.2	38	1.7	88	48	6.2	3.0	.	.	3.0	.	.	.	.
6 AC DOMAIN	5	3.93	74.5	36	1.7	93	52	2.0	3.0	.	.	1.5	.	.	.	.
7 AC BARRIE	14	3.40	74.5	36	1.2	92	55	6.8	7.0	.	.	1.0	.	.	.	.
8 AC WALTON	6	3.91	71.3	35	0.3	95	58	0.0	7.0	.	.	1.0	.	.	.	.
9 AC BRIO	10	3.66	74.5	39	1.3	97	56	5.2	3.0	.	.	1.5	.	.	.	.
10 MCKENZIE	12	3.59	74.2	34	3.3	90	52	6.2	0.0	.	.	2.0	.	.	.	.
11 AC TAHO	4	3.94	72.4	35	1.3	94	54	5.2	0.0	.	.	2.0	.	.	.	.
12 AC CORA	14	3.40	73.4	33	1.5	95	56	6.2	0.0	.	.	1.0	.	.	.	.
13 AC DRUMMOND	3	4.00	75.7	41	0.8	92	57	6.8	8.0	.	.	2.0	.	.	.	.
14 AC CADILLAC	8	3.83	75.0	38	3.5	99	54	3.2	0.0	.	.	1.5	.	.	.	.
15 AC INTREPID	13	3.45	70.9	36	1.8	92	51	5.2	0.0	.	.	3.5	.	.	.	.
16 LASER	16	3.29	69.8	37	1.6	84	48	7.2	6.0	.	.	2.0	.	.	.	.
LOCATIONS		3	2	2	3	3	3	2	1	0	0	1	0	0	0	0

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

YEAR : 99
 MGMT : NORMAL
 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	8	3.87	76.3	34	3.5	80	53	.	.	.	.	.	.	.	.	89
2 PACIFIC	13	3.68	76.3	35	8.8	96	53	.	.	.	.	.	.	.	.	86
3 GRANDIN	7	3.96	76.0	36	2.8	82	51	.	.	.	.	.	.	.	.	88
4 QUANTUM	1	4.32	77.6	39	2.5	82	52	.	.	.	.	.	.	.	.	87
5 ROBLIN	15	3.48	73.9	34	4.8	88	51	.	.	.	.	.	.	.	.	87
6 AC DOMAIN	9	3.81	76.0	32	8.3	90	53	.	.	.	.	.	.	.	.	88
7 AC BARRIE	11	3.77	76.7	35	6.8	91	54	.	.	.	.	.	.	.	.	89
8 AC WALTON	2	4.27	74.9	37	3.0	90	56	.	.	.	.	.	.	.	.	89
9 AC BRIO	4	4.22	77.0	38	7.8	96	54	.	.	.	.	.	.	.	.	88
10 MCKENZIE	5	4.06	75.1	32	9.0	91	52	.	.	.	.	.	.	.	.	87
11 AC TAHO	9	3.81	73.5	34	4.8	88	53	.	.	.	.	.	.	.	.	88
12 AC CORA	16	3.46	74.0	31	8.5	92	54	.	.	.	.	.	.	.	.	88
13 AC DRUMMOND	3	4.24	78.6	41	2.8	88	56	.	.	.	.	.	.	.	.	90
14 AC CADILLAC	6	3.98	76.2	35	9.0	95	53	.	.	.	.	.	.	.	.	88
15 AC INTREPID	12	3.72	74.4	36	7.0	91	51	.	.	.	.	.	.	.	.	86
16 LASER	14	3.52	71.8	37	6.5	85	50	.	.	.	.	.	.	.	.	87
LOCATIONS		3	3	3	1	2	2	0	0	0	0	0	0	0	0	1

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

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

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

YEAR : 99
 MGMT : NORMAL
 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	6	5.06	74.8	38	1.3	89	64	.	.	.	.	.	.	.	.	.	109
2 PACIFIC	2	5.35	76.1	40	1.8	104	65	.	.	.	.	.	.	.	.	.	108
3 GRANDIN	8	5.03	74.8	39	1.0	82	63	.	.	.	.	.	.	.	.	.	108
4 QUANTUM	13	4.85	77.3	47	1.0	73	63	.	.	.	.	.	.	.	.	.	107
5 ROBLIN	16	4.27	72.3	40	1.0	89	62	.	.	.	.	.	.	.	.	.	107
6 AC DOMAIN	15	4.50	74.8	39	1.3	82	63	.	.	.	.	.	.	.	.	.	107
7 AC BARRIE	5	5.13	73.6	43	1.0	92	65	.	.	.	.	.	.	.	.	.	106
8 AC WALTON	1	5.48	74.8	42	1.0	95	65	.	.	.	.	.	.	.	.	.	109
9 AC BRIO	12	4.87	74.8	46	1.0	98	65	.	.	.	.	.	.	.	.	.	106
10 MCKENZIE	14	4.73	76.1	39	5.0	95	63	.	.	.	.	.	.	.	.	.	106
11 AC TAHO	11	4.88	71.1	38	1.3	98	65	.	.	.	.	.	.	.	.	.	110
12 AC CORA	9	4.91	74.8	37	1.5	101	65	.	.	.	.	.	.	.	.	.	110
13 AC DRUMMOND	3	5.19	76.1	47	1.0	92	65	.	.	.	.	.	.	.	.	.	107
14 AC CADILLAC	10	4.89	77.3	41	3.3	91	65	.	.	.	.	.	.	.	.	.	106
15 AC INTREPID	6	5.06	72.3	41	1.0	96	64	.	.	.	.	.	.	.	.	.	106
16 LASER	4	5.18	74.8	45	1.3	91	61	.	.	.	.	.	.	.	.	.	106
LOCATIONS		1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1

YIELD AVERAGES WERE BASED ON DATA FROM: NEW LISKEARD.

YEAR : 99
 MGMT : NORMAL
 AREA(S): 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	9	4.00	75.5	37	1.9	83	55	3.2	0.0	.	.	2.5	.	.	.	99
2 PACIFIC	7	4.02	72.4	36	3.3	100	55	2.2	0.0	.	.	2.5	.	.	.	97
3 GRANDIN	4	4.14	75.8	39	1.5	84	53	4.8	1.0	.	.	2.5	.	.	.	98
4 QUANTUM	1	4.52	77.0	42	1.2	84	54	0.0	7.0	.	.	2.0	.	.	.	97
5 ROBLIN	14	3.66	73.1	36	2.2	88	52	6.2	3.0	.	.	3.0	.	.	.	97
6 AC DOMAIN	10	3.96	75.3	35	2.9	90	54	2.0	3.0	.	.	1.5	.	.	.	98
7 AC BARRIE	12	3.81	75.5	37	2.3	91	56	6.8	7.0	.	.	1.0	.	.	.	98
8 AC WALTON	2	4.29	73.7	37	1.0	93	58	0.0	7.0	.	.	1.0	.	.	.	99
9 AC BRIO	5	4.07	75.8	40	2.6	97	57	5.2	3.0	.	.	1.5	.	.	.	97
10 MCKENZIE	11	3.95	75.0	34	4.8	91	54	6.2	0.0	.	.	2.0	.	.	.	97
11 AC TAHO	7	4.02	72.7	35	2.0	93	55	5.2	0.0	.	.	2.0	.	.	.	99
12 AC CORA	16	3.64	73.9	33	2.9	95	57	6.2	0.0	.	.	1.0	.	.	.	100
13 AC DRUMMOND	3	4.27	77.2	42	1.3	91	58	6.8	8.0	.	.	2.0	.	.	.	98
14 AC CADILLAC	6	4.05	76.0	37	4.6	96	56	3.2	0.0	.	.	1.5	.	.	.	96
15 AC INTREPID	13	3.79	72.9	37	2.7	92	53	5.2	0.0	.	.	3.5	.	.	.	97
16 LASER	14	3.66	71.6	38	2.5	86	51	7.2	6.0	.	.	2.0	.	.	.	97
LOCATIONS		7	6	6	5	6	6	2	1	0	0	1	0	0	0	2

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

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

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

TRIAL DETAILS (GRAIN YIELD)

AREA	LOCATION	MEAN (g m ⁻²)	REPS	ERROR SS	ERROR DF	ERROR MS	C.V.%
II	WINTHROP	292*	4	20430	45	454	7.3%
II	ELORA	485	4	32805	45	729	5.6%
II	HARRISTON	357	4	34650	45	770	7.5%
III	RENFREW	348	4	18640	43	433	6.0%
III	OTTAWA	322	4	17531	45	390	6.1%
III	WINCHESTER	496	4	72630	45	1614	8.2%
V	NEW LISKEARD	496	4	148968	45	3310	11.6%

*100 g m⁻² = 1 t/ha = 893 lbs/acre

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

LOCATION - WINTHROP**
 MANAGEMENT - NORMAL

KEY NAME	YIELD RK T/HA	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 *
1 CELTIC	9 2.78	.	.	4.5	81	54	3.5	.	.	.	.	.	.	.	.
2 PACIFIC	3 3.31	.	.	5.0	105	54	3.0	.	.	.	.	.	.	.	.
3 GRANDIN	5 3.10	.	.	3.5	89	53	4.5	.	.	.	.	.	.	.	.
4 QUANTUM	1 3.82	.	.	2.5	93	54	.0	.	.	.	.	.	.	.	.
5 ROBLIN	8 2.90	.	.	5.0	89	51	6.0	.	.	.	.	.	.	.	.
6 AC DOMAIN	2 3.33	.	.	5.0	96	55	2.5	.	.	.	.	.	.	.	.
7 AC BARRIE	15 2.36	.	.	3.5	89	55	5.0	.	.	.	.	.	.	.	.
8 AC WALTON	13 2.58	.	.	1.0	96	61	.0	.	.	.	.	.	.	.	.
9 AC BRIO	10 2.75	.	.	4.0	103	57	4.5	.	.	.	.	.	.	.	.
10 MCKENZIE	11 2.73	.	.	6.5	94	54	4.5	.	.	.	.	.	.	.	.
11 AC TAHO	4 3.15	.	.	4.0	103	55	6.0	.	.	.	.	.	.	.	.
12 AC CORA	12 2.69	.	.	3.5	96	59	4.5	.	.	.	.	.	.	.	.
13 AC DRUMMOND	7 3.04	.	.	1.5	89	59	5.5	.	.	.	.	.	.	.	.
14 AC CADILLAC	6 3.07	.	.	6.0	105	56	4.0	.	.	.	.	.	.	.	.
15 AC INTREPID	15 2.36	.	.	5.0	98	54	4.5	.	.	.	.	.	.	.	.
16 LASER	14 2.45	.	.	4.5	86	50	5.5	.	.	.	.	.	.	.	.
MEANS	2.90	.	.	4.1	95	55	4.0	.	.	.	.	.	.	.	.

LOCATION - ELORA
 MANAGEMENT - NORMAL

KEY NAME	YIELD RK T/HA	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 *
1 CELTIC	11 4.71	74.8	39	.0	80	52	.	.	.	.	.	.	.	.	.
2 PACIFIC	12 4.63	74.8	36	.0	99	53	.	.	.	.	.	.	.	.	.
3 GRANDIN	6 4.92	76.1	43	.0	81	51	.	.	.	.	.	.	.	.	.
4 QUANTUM	3 5.27	76.1	44	.0	83	52	.	.	.	.	.	.	.	.	.
5 ROBLIN	13 4.60	72.3	37	.0	86	45	.	.	.	.	.	.	.	.	.
6 AC DOMAIN	8 4.80	74.8	35	.0	91	50	.	.	.	.	.	.	.	.	.
7 AC BARRIE	14 4.59	74.8	36	.0	91	54	.	.	.	.	.	.	.	.	.
8 AC WALTON	2 5.38	73.6	37	.0	90	56	.	.	.	.	.	.	.	.	.
9 AC BRIO	5 4.97	74.8	40	.0	96	54	.	.	.	.	.	.	.	.	.
10 MCKENZIE	10 4.72	74.8	34	.0	88	49	.	.	.	.	.	.	.	.	.
11 AC TAHO	4 5.01	72.3	36	.0	90	53	.	.	.	.	.	.	.	.	.
12 AC CORA	15 4.53	74.8	34	.0	96	54	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND	1 5.44	77.3	44	.0	95	55	.	.	.	.	.	.	.	.	.
14 AC CADILLAC	7 4.86	74.8	37	3.0	98	53	.	.	.	.	.	.	.	.	.
15 AC INTREPID	8 4.80	72.3	35	.5	90	49	.	.	.	.	.	.	.	.	.
16 LASER	16 4.37	71.1	37	.3	81	46	.	.	.	.	.	.	.	.	.
MEANS	4.85	74.3	38	.2	90	51	.	.	.	.	.	.	.	.	.

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS
 ** THERE WAS A HEAVY INFESTATION OF CEREAL LEAF BEETLE AT WINTHROP IN 1999.

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

LOCATION - HARRISTON
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	3	3.85	74.8	41	.0	86	52	3.0	.0	.	.	2.5	.	.	.	.
2 PACIFIC	4	3.79	54.6	36	1.0	98	52	1.5	.0	.	.	2.5	.	.	.	.
3 GRANDIN	2	4.03	75.8	40	.0	86	51	5.0	1.0	.	.	2.5	.	.	.	.
4 QUANTUM	1	4.74	75.8	44	.0	92	51	.0	7.0	.	.	2.0	.	.	.	.
5 ROBLIN	10	3.43	72.0	38	.0	90	49	6.5	3.0	.	.	3.0	.	.	.	.
6 AC DOMAIN	6	3.67	74.2	36	.0	93	52	1.5	3.0	.	.	1.5	.	.	.	.
7 AC BARRIE	12	3.25	74.2	36	.0	95	55	8.5	7.0	.	.	1.0	.	.	.	.
8 AC WALTON	5	3.77	69.0	33	.0	100	56	.0	7.0	.	.	1.0	.	.	.	.
9 AC BRIO	12	3.25	74.2	38	.0	92	56	6.0	3.0	.	.	1.5	.	.	.	.
10 MCKENZIE	11	3.33	73.6	33	3.3	89	52	8.0	.0	.	.	2.0	.	.	.	.
11 AC TAHO	7	3.66	72.4	34	.0	89	53	4.5	.0	.	.	2.0	.	.	.	.
12 AC CORA	16	2.99	72.0	32	1.0	93	56	8.0	.0	.	.	1.0	.	.	.	.
13 AC DRUMMOND	9	3.52	74.0	37	1.0	91	56	8.0	8.0	.	.	2.0	.	.	.	.
14 AC CADILLAC	8	3.56	75.2	39	1.5	94	53	2.5	.0	.	.	1.5	.	.	.	.
15 AC INTREPID	14	3.18	69.6	36	.0	88	50	6.0	.0	.	.	3.5	.	.	.	.
16 LASER	15	3.05	68.6	36	.0	86	49	9.0	6.0	.	.	2.0	.	.	.	.
MEANS		3.57	71.9	37	.5	91	53	4.9	2.8	.	.	2.0	.	.	.	.

LOCATION - RENFREW**
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	8	3.52	75.6	35	.	74	56	.	.	.	.	.	.	.	.	89
2 PACIFIC	15	3.28	75.7	38	.	84	54	.	.	.	.	.	.	.	.	86
3 GRANDIN	9	3.43	77.7	40	.	76	54	.	.	.	.	.	.	.	.	88
4 QUANTUM	4	3.71	77.6	42	.	73	54	.	.	.	.	.	.	.	.	87
5 ROBLIN	11	3.36	75.1	37	.	74	54	.	.	.	.	.	.	.	.	87
6 AC DOMAIN	12	3.32	74.3	33	.	82	55	.	.	.	.	.	.	.	.	88
7 AC BARRIE	14	3.31	75.5	37	.	78	56	.	.	.	.	.	.	.	.	89
8 AC WALTON	5	3.55	72.5	35	.	80	56	.	.	.	.	.	.	.	.	89
9 AC BRIO	1	4.01	76.4	38	.	85	56	.	.	.	.	.	.	.	.	88
10 MCKENZIE	2	3.89	75.9	34	.	80	53	.	.	.	.	.	.	.	.	87
11 AC TAHO	5	3.55	73.9	34	.	76	55	.	.	.	.	.	.	.	.	88
12 AC CORA	10	3.40	73.7	32	.	82	56	.	.	.	.	.	.	.	.	88
13 AC DRUMMOND	3	3.81	76.2	41	.	79	58	.	.	.	.	.	.	.	.	90
14 AC CADILLAC	5	3.55	76.3	37	.	83	56	.	.	.	.	.	.	.	.	88
15 AC INTREPID	12	3.32	74.2	36	.	78	53	.	.	.	.	.	.	.	.	86
16 LASER	16	2.69	71.9	41	.	75	53	.	.	.	.	.	.	.	.	87
MEANS		3.48	75.2	37	.	79	55	.	.	.	.	.	.	.	.	88

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

** RENFREW IS AN UNOFFICIAL SITE. DATA WERE USED IN THE SUMMARIES.

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

LOCATION - OTTAWA-1
MANAGEMENT - NORMAL

KEY NAME	YIELD RK T/HA	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 *
1 CELTIC	9 3.09	76.4	35	.	.	50	.	.	.	.	.	.	.	.	.
2 PACIFIC	10 3.07	77.1	34	.	.	51	.	.	.	.	.	.	.	.	.
3 GRANDIN	8 3.24	76.9	37	.	.	48	.	.	.	.	.	.	.	.	.
4 QUANTUM	3 3.75	77.2	40	.	.	49	.	.	.	.	.	.	.	.	.
5 ROBLIN	16 2.38	72.5	31	.	.	48	.	.	.	.	.	.	.	.	.
6 AC DOMAIN	4 3.61	77.7	34	.	.	50	.	.	.	.	.	.	.	.	.
7 AC BARRIE	11 3.00	77.0	33	.	.	52	.	.	.	.	.	.	.	.	.
8 AC WALTON	1 3.96	75.9	39	.	.	55	.	.	.	.	.	.	.	.	.
9 AC BRIO	5 3.45	77.7	38	.	.	51	.	.	.	.	.	.	.	.	.
10 MCKENZIE	7 3.28	76.6	32	.	.	50	.	.	.	.	.	.	.	.	.
11 AC TAHO	12 2.99	73.8	33	.	.	50	.	.	.	.	.	.	.	.	.
12 AC CORA	13 2.98	75.4	32	.	.	52	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND	6 3.32	80.2	42	.	.	54	.	.	.	.	.	.	.	.	.
14 AC CADILLAC	2 3.89	79.3	36	.	.	50	.	.	.	.	.	.	.	.	.
15 AC INTREPID	14 2.93	74.0	36	.	.	49	.	.	.	.	.	.	.	.	.
16 LASER	15 2.58	71.7	35	.	.	46	.	.	.	.	.	.	.	.	.
MEANS	3.22	76.2	35	.	.	50	.	.	.	.	.	.	.	.	.

LOCATION - WINCHESTER
MANAGEMENT - NORMAL

KEY NAME	YIELD RK T/HA	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 *
1 CELTIC	7 5.00	76.8	31	3.5	85	.	.	.	.	.	.	.	.	.	.
2 PACIFIC	12 4.70	76.0	33	8.8	108	.	.	.	.	.	.	.	.	.	.
3 GRANDIN	5 5.20	73.5	32	2.8	88	.	.	.	.	.	.	.	.	.	.
4 QUANTUM	2 5.50	78.1	36	2.5	91	.	.	.	.	.	.	.	.	.	.
5 ROBLIN	12 4.70	74.2	33	4.8	102	.	.	.	.	.	.	.	.	.	.
6 AC DOMAIN	14 4.50	76.1	30	8.3	98	.	.	.	.	.	.	.	.	.	.
7 AC BARRIE	7 5.00	77.7	34	6.8	103	.	.	.	.	.	.	.	.	.	.
8 AC WALTON	3 5.30	76.3	36	3.0	99	.	.	.	.	.	.	.	.	.	.
9 AC BRIO	5 5.20	77.0	37	7.8	107	.	.	.	.	.	.	.	.	.	.
10 MCKENZIE	7 5.00	72.8	29	9.0	101	.	.	.	.	.	.	.	.	.	.
11 AC TAHO	10 4.90	72.7	34	4.8	99	.	.	.	.	.	.	.	.	.	.
12 AC CORA	16 4.00	72.9	28	8.5	101	.	.	.	.	.	.	.	.	.	.
13 AC DRUMMOND	1 5.60	79.4	40	2.8	97	.	.	.	.	.	.	.	.	.	.
14 AC CADILLAC	14 4.50	72.9	33	9.0	106	.	.	.	.	.	.	.	.	.	.
15 AC INTREPID	10 4.90	74.9	36	7.0	104	.	.	.	.	.	.	.	.	.	.
16 LASER	3 5.30	71.7	36	6.5	94	.	.	.	.	.	.	.	.	.	.
MEANS	4.96	75.2	34	6.0	99	.	.	.	.	.	.	.	.	.	.

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

ONTARIO PERFORMANCE TRIAL; SPRING WHEAT 1999

LOCATION - NEW LISKEARD
 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 CELTIC	6	5.06	74.8	38	1.3	89	64	.	.	.	.	.	.	.	.	109
2 PACIFIC	2	5.35	76.1	40	1.8	104	65	.	.	.	.	.	.	.	.	108
3 GRANDIN	8	5.03	74.8	39	1.0	82	63	.	.	.	.	.	.	.	.	108
4 QUANTUM	13	4.85	77.3	47	1.0	73	63	.	.	.	.	.	.	.	.	107
5 ROBLIN	16	4.27	72.3	40	1.0	89	62	.	.	.	.	.	.	.	.	107
6 AC DOMAIN	15	4.50	74.8	39	1.3	82	63	.	.	.	.	.	.	.	.	107
7 AC BARRIE	5	5.13	73.6	43	1.0	92	65	.	.	.	.	.	.	.	.	107
8 AC WALTON	1	5.48	74.8	42	1.0	95	65	.	.	.	.	.	.	.	.	106
9 AC BRIO	12	4.87	74.8	46	1.0	98	65	.	.	.	.	.	.	.	.	109
10 MCKENZIE	14	4.73	76.1	39	5.0	95	63	.	.	.	.	.	.	.	.	106
11 AC TAHO	11	4.88	71.1	38	1.3	98	65	.	.	.	.	.	.	.	.	106
12 AC CORA	9	4.91	74.8	37	1.5	101	65	.	.	.	.	.	.	.	.	110
13 AC DRUMMOND	3	5.19	76.1	47	1.0	92	65	.	.	.	.	.	.	.	.	110
14 AC CADILLAC	10	4.89	77.3	41	3.3	91	65	.	.	.	.	.	.	.	.	107
15 AC INTREPID	6	5.06	72.3	41	1.0	96	64	.	.	.	.	.	.	.	.	106
16 LASER	4	5.18	74.8	45	1.3	91	61	.	.	.	.	.	.	.	.	106
MEANS		4.96	74.7	41	1.5	92	64	.	.	.	.	.	.	.	.	107

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

WESTERN REGISTRATION TRIAL; SPRING DURUM 1999

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 AC AVONLEA	8	2.85	73.6	40	1.0	98	56	.	.	.	.	.	.	.	.	.
2 AC MORSE	1	3.15	73.6	41	.0	100	55	.	.	.	.	.	.	.	.	.
3 HERCULES	23	2.51	73.6	36	5.0	107	56	.	.	.	.	.	.	.	.	.
4 KYLE	28	2.18	71.1	29	7.3	95	58	.	.	.	.	.	.	.	.	.
5 DT498	9	2.82	76.1	46	1.0	97	59	.	.	.	.	.	.	.	.	.
6 DT513	7	2.90	74.8	39	2.7	95	58	.	.	.	.	.	.	.	.	.
7 DT518	26	2.42	72.3	37	6.0	103	56	.	.	.	.	.	.	.	.	.
8 DT520	15	2.67	71.1	40	5.3	102	56	.	.	.	.	.	.	.	.	.
9 DT522	16	2.66	71.1	40	4.0	102	56	.	.	.	.	.	.	.	.	.
10 DT523	19	2.62	74.8	42	3.7	102	56	.	.	.	.	.	.	.	.	.
11 DT524	21	2.59	69.9	35	.7	98	57	.	.	.	.	.	.	.	.	.
12 DT525	11	2.74	72.3	41	3.7	102	56	.	.	.	.	.	.	.	.	.
13 DT673	14	2.69	73.6	44	.0	83	58	.	.	.	.	.	.	.	.	.
14 DT683	6	2.92	72.3	37	1.3	95	57	.	.	.	.	.	.	.	.	.
15 DT688	19	2.62	74.8	41	2.0	95	59	.	.	.	.	.	.	.	.	.
16 DT689	22	2.56	74.8	39	3.0	95	58	.	.	.	.	.	.	.	.	.
17 DT690	23	2.51	73.6	40	2.0	100	59	.	.	.	.	.	.	.	.	.
18 DT691	17	2.64	72.3	40	1.3	98	59	.	.	.	.	.	.	.	.	.
19 DT692	2	3.12	74.8	40	2.0	105	56	.	.	.	.	.	.	.	.	.
20 DT693	5	2.94	74.8	48	3.3	95	59	.	.	.	.	.	.	.	.	.
21 DT694	4	3.04	74.8	48	2.0	98	59	.	.	.	.	.	.	.	.	.
22 DT695	17	2.64	73.6	40	3.0	105	56	.	.	.	.	.	.	.	.	.
23 DT696	23	2.51	71.1	36	2.7	90	61	.	.	.	.	.	.	.	.	.
24 DT697	12	2.73	74.8	42	4.0	88	60	.	.	.	.	.	.	.	.	.
25 DT698	3	3.11	74.8	40	1.3	95	56	.	.	.	.	.	.	.	.	.
26 DT924	27	2.41	71.1	43	.0	73	64	.	.	.	.	.	.	.	.	.
27 DT925	9	2.82	69.9	34	.0	67	52	.	.	.	.	.	.	.	.	.
28 DT926	13	2.72	72.3	43	.0	77	56	.	.	.	.	.	.	.	.	.
MEANS		2.72	73.1	40	2.4	95	57	.	.	.	.	.	.	.	.	.

* 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	272	2	27	54	6770	5438	2080	3.3	2.6	9.6%

CO-OPERATORS AND LOCATIONS OF PERFORMANCE TRIALS, 1999

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		
	Huron I	WP = W.G. Thompson and Sons Ltd., Winthrop, ON	X	X***		X	
	Huron II	Centralia, Ontario (Ridgetown College)	X	X			
	Wellington I	EA = Crop Science Department, OAC, Elora, ON.	X	X		X	
	Wellington	HN = C & M Seeds Inc., Palmerston, ON			X	X	
	Middlesex I	NN = W.G. Thompson & Sons Ltd., Naim, ON.			X		
	Perth	C & M Seeds Inc., Palmerston, ON	X	X			
	Renfrew	RW = Renfrew Larry Raeburn Beachburg				X	
	III	Grenville	KE = Kemptville College, Kemptville, ON.	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	
Lennox Addington		BH = Bath Mike MacKinnon, Bath, ON			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			
	Nippising District	Verner Test Site, Verner, Ont. (New Liskeard Agr. Res. Sta.)	X**	X**		X**	
	Rainy River	EO = Emo Agricultural Research Station, Emo, ON	X**	X***		X***	
	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

*** Yield data not used