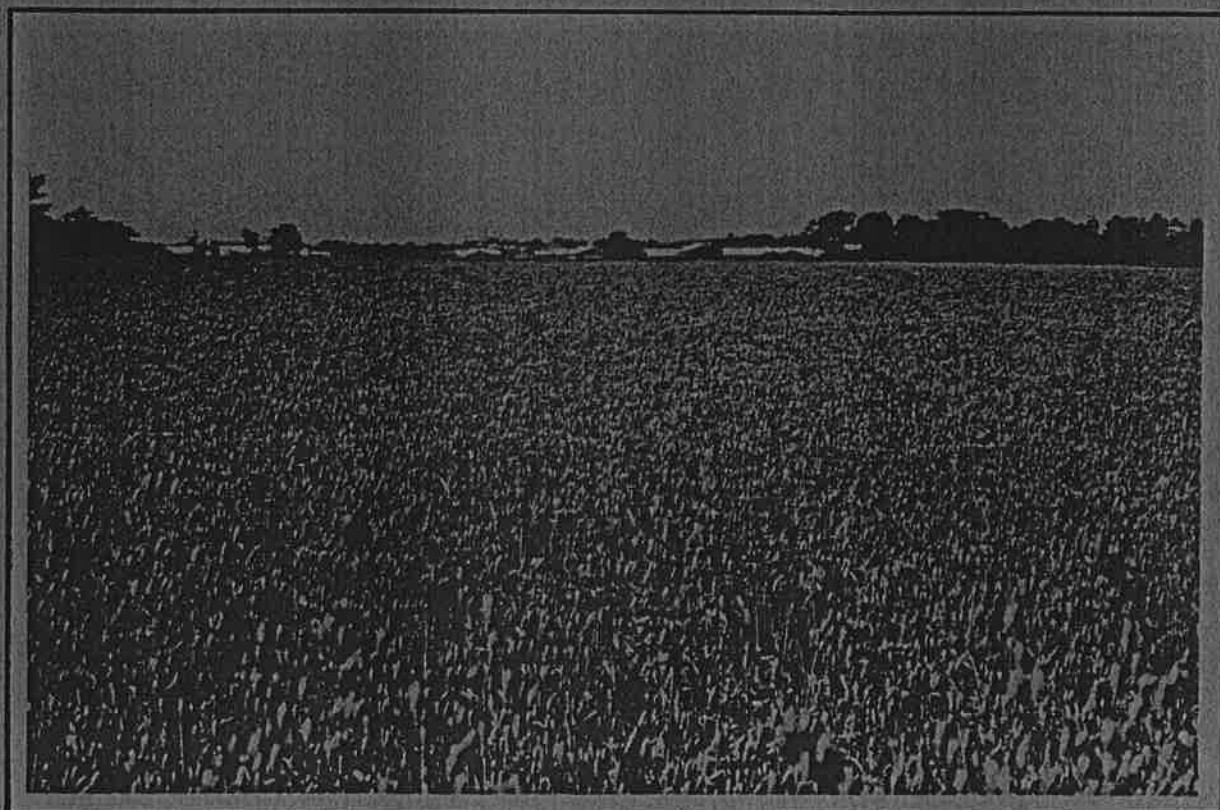


Department of Crop Science

119-01-88 $\frac{110}{34}$

1988 PROGRESS REPORT

BARLEY, OATS, WINTER BARLEY, WINTER WHEAT, WINTER TRITICALE ONTARIO REGIONAL TESTS



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

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Delhi Research Station
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Kapusksing Experimental Farm
Plant Research Centre, Ottawa
Thunder Bay Experimental Farm

ONTARIO MINISTRY OF AGRICULTURE AND FOOD

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TABLE OF CONTENTS

	Page
Introduction.....	1
Barley	
Description of varieties.....	3
Mean yields.....	5
1988 data.....	9
Oats	
Description of varieties.....	29
Mean yields.....	31
1988 data.....	34
Winter Barley	
Description of varieties.....	48
Mean yields and summary.....	49
1988 data.....	50
Winter Wheat	
Description of varieties.....	51
Mean yields and summary.....	53
1988 data.....	60
Winter Triticale	
Description of varieties.....	70
Mean yields.....	72
1988 data.....	73
Co-operators 1988.....	75

INTRODUCTION

In 1988, Regional Tests of spring barley, oats and winter wheat, winter barley and winter triticale were conducted in cooperation with the members of the Ontario Soil and Crop Improvement Association, commercial plant breeders, CAT Colleges and Agriculture Canada.

SPRING CEREALS

Reliable test data were obtained from 22 machine planted and harvested locations for spring barley, and oats across the province in 1988. An additional four locations of barley and three locations of oats were planted with a Planet jr. in Area II. This year the 3rd year entries in the Coop trials were also included in the Regional Tests so that two years of data would be available by the time they would be commercially available in Ontario. The yields in 1988 were up slightly from the 1987 yields with barley averaging 3.7 t/ha and oats 3.3 t/ha across the test locations. Area VI had the highest average yields of both barley and oats while Area II had the lowest average yields for both crops.

Spring Barley

Across the province in the six-row barleys, OAC Kippen had the highest average yield (3.66 t/ha) followed closely by Leger (3.65 t/ha), while in the two-row barleys, Albany and Rodeo had the highest average yield (3.59 t/ha) with TBM 34-2 (3.57 t/ha) following closely. Mingo was the highest yielding six-row barley in Area I, QB 198.27 in Area II, OAC Kippen in Area III and Area V, and Leger in Area IV and Area VI. Albany was the highest yielding two-row barley in Area I and Area III, TBM 34-2 in Area II, Rodeo in Area IV and Area VI and Micmac in Area V. Lodging and diseases were generally not sufficient to give good differentials in 1988.

Oats

The highest yielding oat cultivar in 1988 across the province was Marion (3.55 t/ha). Marion was the highest yielding cultivar in Area I, Area II, Area IV and Area V, Baldwin in Area III and Area VI. In most parts of the province lodging and disease were not problems in 1988. The milling quality of the crop was reasonably good with a considerable quantity from the south western part of the province being exported to the U.S. to fill in for a disastrous crop in the Midwest.

WINTER CEREALS

Winter Barley

Test data were obtained from only three sites for winter barley in 1988. The crop averaged 4.6 t/ha with Area I being somewhat lower yielding than Area II. The highest yielding cultivar across the 1988 test sites was OAC Elmira which also had the highest hectolitre weights. There were no appreciable differences in winter kill among the cultivars with all of them having around 85% survival. Lodging and disease were not major problems in 1988.

Winter Wheat

Yield data were obtained from 10 locations in 1988. Area I had the highest yields while Area III had the lowest yields. Over all, the crop averaged 4.7 tonnes per hectare. Houser was the highest yielding cultivar in all three areas across the province. Fredrick had the highest hectolitre weight in Area I, Ena in Area II and Frankenmuth in Area III. Houser had the highest kernel weight in all three areas. In general, diseases were not severe in 1988. Ena and Harus had lower head blight scores in Area I than other cultivars.

Winter Triticale

The new Triticale cultivar OAC Trillium was consistently higher yielding, had higher hectolitre weight and, although taller, had better lodging resistance than OAC Decade. Both cultivars are very similar in heading date.

GROWING CONDITIONS

The autumn of 1987 was good in most districts with most of the intended winter cereal acreage being sown. Because of the adverse fall conditions, there was little aphid activity and very little BYDV in most winter cereal crops in 1988.

Sowing conditions were generally average to dry for most spring cereals. After a fairly warm and very dry spring and early summer, the rains finally came as sporadic thunderstorms for the rest of the growing season. The moisture distribution during July and August was very uneven and varied widely across the Province. It was generally too late to make up for the earlier stress of the dry weather and yields were variable but average overall. Quality was not particularly good as the frequent showers and occasional thunderstorms caused some weathering of mature crops standing in the fields. Harvest date was generally average in most of the province.

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

- Test Area I - Southwest of the 2900 heat unit lines
- Test Area II - West of Frontenac, between the 2900 and 2300 heat unit lines.
- Test Area III - East of Frontenac, between the 2900 and 2300 heat unit lines.
- Test Area IV - The Dundalk plane (Grey, Dufferin and Wellington) within the 2500 heat unit lines.
- Test Area V - Northern Ontario between the 2300 and 1900 heat unit lines.
- Test Area VI - Northern Ontario - north of the 1900 heat unit lines

The results of the 1988 tests and the average performance of cultivars over the past two to six years are published in this report. The long term averages of Regional Tests are combined with other tests to form the basis of variety recommendations for different areas of Ontario.

For specific recommendations in your area, consult the Ontario Ministry of Agriculture and Food Publication 296 - "1989 Field Crop Recommendations for Ontario".

DESCRIPTION OF CULTIVARS IN REGIONAL TESTS, 1988

BARLEY

- Albany - two-rowed, rough-awned, feed barley developed by Agriculture Canada, Charlottetown, P.E.I. from the cross of Summit/I.B.6-3 (rh). Large kernels with a midseason maturity. Resistant to mildew. Registered in 1987.
- Birka - two-rowed, rough-awned, feed barley developed in Sweden from the cross W82-68/W17-68. Introduced in Canada by W.G. Thompson and Sons Ltd. High yield, large kernels, shorter and more lodging resistant than Herta. Resistant to mildew and leaf rust. Tolerant to scald. Registered in 1982.
- Helena - two-rowed, rough-awned, feed barley introduced to Canada by King Agro. High yield, good thousand kernel weight and hectoliter weight, shorter than other two-rowed barley cultivars. Resistant to mildew. Registered in 1987.
- Micmac - two-rowed, rough-awned, feed barley Charlottetown P.E.I. selection from the cross 1B6-3/Volla/2/Mazurka. High yield, 3-4 days earlier than Birka, but inferior lodging resistance to Birka. Test weight slightly better than Herta. Thousand kernel weight between Herta and Birka. May have some tolerance to net blotch and mildew, reaction to other diseases similar to Herta. Registered in 1983.
- Rodeo - two-rowed, rough-awned, feed barley developed by Ciba-Geigy Seeds Ltd. from the cross UPB560 x UBP576 using the doubled haploid method. Higher yield, larger kernels and better hectoliter weight than Herta. Resistant to mildew, susceptible to scald and net blotch. Owned and distributed by W.G. Thompson and Sons Ltd. Registered in 1983.
- Craig (TBM 34-2) - two-rowed, rough awned, feed barley developed by W.G. Thompson from a cross of Rodeo/Aramir. Registered in 1988.
- Bruce - six-rowed, rough-awned, feed barley from a Guelph selection from the cross OB93-8/Dickson. Good yield, short, strong straw, early, tolerant to Helminthosporium and loose smut. Susceptible to new races of mildew. Registered in 1977.
- Joly - six-rowed, smooth-awned, feed barley developed by Semico from a cross of Laurier/QB 139.7. Joly is somewhat shorter and earlier than Leger and has tolerance to mildew. Registered in 1986.
- Leger - six-rowed, smooth-awned, feed barley developed by the Ottawa Research Station from the cross Trent/Vanier. It has high yield, long but strong straw and large kernels. Susceptible to new races of mildew. Registered in 1982.

- Mingo - six-rowed, smooth-awned, feed barley developed by Ciba-Geigy Seeds Ltd. from the cross Vanier/Laurier using the doubled haploid method. It has higher yield, better lodging resistance, and improved threshability compared to Laurier. Susceptible to mildew. Owned and distributed by W.G. Thompson and Sons Ltd. Registered in 1979.
- OAC Kippen - six-rowed, semi-rough awned, feed barley developed by OAC, University of Guelph from a cross of OB141-1/Perth. High yielding, good hectoliter weight, similar to Leger in height, lodging resistance and maturity. Resistant to mildew and new races of smut, susceptible to old races of smut. Tolerance to most foliar diseases. Registered in 1987.
- Sophie - six-rowed, smooth-awned, feed barley from Quebec (Laval and St. Foy) with BrM45-680, Montcalm and Byng in its parentage. It has a high yield and large kernels. Later and taller than Leger. Susceptible to mildew. Registered in 1980.
- Etiene (OCF81-248) - six-rowed, smooth awned, feed barley developed by W.G. Thompson from the cross of Perth/R10-501. Registered in 1988.
- Imperial (QB198.27) - six-rowed, rough awned, feed barley developed by Agriculture Canada, Ste. Foy from the cross QB58.14/Beacon//BT904. Registered in 1988.
- OB751-12 - two-rowed, rough awned, feed barley developed by Agriculture Canada, Ottawa from the cross Rodeo/Gitane.
- OB751-27 - two-rowed, rough awned, feed barley developed by Agriculture Canada, Ottawa from the cross rodeo/Gitane.
- TBE611-29 - two-rowed, rough awned, feed barley developed by W.G. Thompson from the cross Micmac/B7735-5
- AB79-17 - two-rowed, rough awned, feed barley developed by Agriculture Canada, Charlottetown from the cross Micmac/Norbert.
- K6-5 - six-rowed, rough awned, feed barley developed by King Agro with the parentage unavailable.
- K6-6 - six-rowed, rough awned, feed barley developed by King Agro with the parentage unavailable.
- 82RCBB-13 - six-rowed, rough awned, feed barley developed by Agriculture Canada, Ste. Foy from unknown parents.
- QB532.13 - six-rowed, smooth awned, feed barley developed by Macdonald College from the cross QB78.13/Laurier.

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1988

CULTIVAR	I(2)**		II(8)		III(6)		IV(5)		V(4)		VI(1)		Province*** (26)	
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Tbs/a bu/a
ALBANY	3.59	1	3.11	6	4.27	2	3.40	8	3.56	11	4.37	9	3.59	3195
BIRKA	3.40	5	2.98	10	3.91	11	3.44	6	3.60	10	3.83	14	3.44	3062
HELENA	3.21	7	3.09	8	4.14	5	3.18	11	3.66	8	3.95	13	3.48	3097
MICMAC	3.39	6	2.98	10	3.96	10	3.24	10	3.91	2	4.33	10	3.48	3097
RODEO	3.51	2	3.11	6	4.10	6	3.54	3	3.63	9	4.57	8	3.59	3195
TMB 34-2	3.18	8	3.13	3	4.15	4	3.41	7	3.82	3	4.23	12	3.57	3177
BRUCE	2.95	13	2.96	12	3.99	9	3.30	9	3.48	13	4.63	5	3.41	3035
JOLY	3.04	12	2.77	14	4.08	7	3.09	14	3.40	14	4.96	2	3.34	2973
LEGER	3.41	4	3.13	3	4.21	3	3.74	1	3.77	4	5.19	1	3.65	3249
MINGO	3.43	3	3.05	9	4.05	8	3.17	12	3.72	7	4.95	3	3.51	3124
OAC KIPPEN	3.14	10	3.13	3	4.32	1	3.47	5	4.06	1	4.25	11	3.66	3257
SOPHIE	2.76	14	2.84	13	3.85	13	3.14	13	3.76	5	4.71	4	3.33	2964
OCF81-248	3.18	8	3.25	2	3.76	14	3.63	2	3.76	5	4.58	7	3.56	3168
QB198.27	3.10	11	3.26	1	3.89	12	3.51	4	3.49	12	4.60	6	3.53	3142
MEAN	3.24	--	3.06	--	4.05	--	3.38	--	3.69	--	4.51	--	3.51	3124
														65.1

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

RELATIVE BARLEY YIELDS, 1988

CULTIVAR	I	II	III	IV	V	VI	Province
ALBANY	113	100	105	100	97	98	103
BIRKA	106	97	95	100	97	84	97
HELENA	100	100	100	94	100	89	100
MICMAC	106	97	98	94	101	96	100
RODEO	109	100	100	103	97	102	103
TMB 34-2	100	100	102	100	103	93	103
BRUCE	94	97	98	97	95	102	97
JULY	94	90	100	91	92	111	94
LEGER	106	100	102	109	103	116	106
MINGO	106	100	100	94	100	111	100
OAC KIPPEN	97	100	105	103	111	96	106
SOPHIE	88	90	95	94	103	104	94
OCF81-248	100	107	93	106	103	102	103
QB198.27	97	107	95	103	95	102	100
MEAN Yield t/ha	3.2	3.1	4.1	3.4	3.7	4.5	3.5

BARLEY
MEAN YIELDS, 1987-88

CULTIVAR	I(4)*		II(20)		III(9)		IV(10)		V(8)		VI(4)		Province(55)		
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	lbs/a	bu/a
ALBANY	4.40	2	3.02	7	4.02	4	3.71	5	3.55	11	3.36	8	3.49	3106	64.7
BIRKA	4.29	3	2.91	10	3.70	10	3.68	7	3.57	10	2.97	11	3.36	2990	62.3
HELENA	4.10	7	3.08	5	4.06	3	3.71	5	3.59	9	3.08	10	3.47	3088	64.3
MICMAC	4.13	6	3.05	6	3.77	9	3.75	4	3.71	5	3.24	9	3.46	3079	64.1
RODEO	4.49	1	3.11	4	3.89	8	3.88	3	3.65	8	3.40	7	3.55	3160	65.8
BRUCE	3.46	11	2.98	8	3.97	5	3.68	7	3.66	6	3.63	4	3.41	3035	63.2
JOLY	3.66	10	2.97	9	4.19	1	3.66	9	3.66	6	3.82	2	3.47	3088	64.3
LEGER	4.20	4	3.16	2	4.17	2	3.94	2	3.88	2	4.01	1	3.67	3266	68.1
MINGO	4.20	4	3.16	2	3.93	7	3.55	10	3.81	3	3.66	3	3.53	3142	65.5
OAC KIPPEN	4.03	8	3.26	1	3.97	5	3.97	1	4.02	1	3.47	6	3.68	3275	68.2
SOPHIE	3.81	9	2.82	11	3.51	11	3.43	11	3.74	4	3.49	5	3.35	2982	62.1
MEAN	4.07	--	3.05	--	3.93	--	3.72	--	3.71	--	3.47	--	3.49	3110	64.8

* No of Locations

RELATIVE BARLEY YIELDS, 1987-88

CULTIVAR	I		II		III		IV		V		VI		Province	
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	lbs/a
ALBANY	107		97		103		100		97		97		100	
BIRKA	105		94		95		100		97		86		97	
HELENA	100		100		105		100		97		89		100	
MICMAC	100		100		97		103		100		91		100	
RODEO	110		100		100		105		100		97		103	
BRUCE	85		97		103		100		100		103		97	
JOLY	90		97		108		100		100		109		100	
LEGER	102		103		108		105		105		114		106	
MINGO	102		103		100		97		103		106		100	
OAC KIPPEN	98		106		103		108		108		100		106	
SOPHIE	93		90		90		92		100		100		97	
MEAN Yield t/ha	4.1		3.1		3.9		3.7		3.7		3.5		3.5	

BARLEY
MEAN YIELDS, 1986-88

CULTIVAR	I		II		III		IV		V		VI		Province		
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	lbs/a	bu/a
BIRKA	3.85	4	3.09	5	3.98	6	3.78	5	3.51	8	3.52	8	3.45	3071	64.0
MICMAC	3.85	4	2.86	8	4.01	4	3.85	4	3.67	4	3.75	6	3.55	3160	65.8
RODEO	4.12	1	3.21	2	4.06	3	3.92	3	3.63	7	3.86	5	3.61	3213	66.9
BRUCE	3.21	8	2.99	6	3.75	8	3.72	6	3.68	3	3.88	4	3.39	3017	62.9
JULY	3.43	7	3.18	4	4.22	2	3.93	2	3.67	4	4.03	2	3.57	3177	66.2
LEGER	3.91	2	3.30	1	4.30	1	4.09	1	3.86	1	4.38	1	3.75	3338	69.5
MINGO	3.88	3	3.20	3	4.00	5	3.69	7	3.71	2	3.75	6	3.53	3142	65.5
SOPHIE	3.51	6	2.92	7	3.89	7	3.53	8	3.67	4	3.96	3	3.41	3035	63.2

TESTING AREA I
BARLEY
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (2)*	hl/wt kg (2)	Height cm (2)	Lodging 1-9 (1)	Maturity ^a days (1)	Kernel Weight g/1000 (2)
ALBANY	3.59	65.8	68	1	100	43.6
BIRKA	3.40	66.5	70	1	101	41.9
HELENA	3.21	67.3	64	1	99	42.1
MICMAC	3.39	65.7	72	2	100	40.4
RODEO	3.51	65.1	71	1	100	41.6
TBM 34-2	3.18	66.4	66	1	100	38.9
BRUCE	2.95	63.5	70	1	100	34.3
JOLY	3.04	58.4	76	2	98	36.2
LEGER	3.41	60.3	78	2	100	39.9
MINGO	3.43	63.2	78	1	101	40.0
OAC KIPPEN	3.14	63.4	80	1	100	37.4
SOPHIE	2.76	58.8	77	2	101	36.9
OCF81-248	3.18	62.0	72	1	101	38.6
QB198.27	3.10	59.5	68	1	98	42.8
OB751-12	4.04	66.2	69	2	101	44.9
OB751-27	3.53	65.3	74	2	101	43.0
TBE611-29	3.82	63.6	74	1	100	40.5
AB79-17	2.81	62.7	76	1	101	44.9
K6-5	3.07	63.2	74	1	100	36.8
K6-6	3.08	63.4	74	1	102	39.8
82RCBB-13	2.78	59.6	66	1	98	40.8
QB532.13	3.20	61.2	75	2	101	41.0

^a No. of days from seeding to maturity

* No. of Locations

TESTING AREA I
BARLEY
AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
ALBANY	4.40	66.4	71	2.0	105	46.2
BIRKA	4.29	68.3	71	1.5	106	44.8
HELENA	4.10	68.6	66	1.8	104	45.2
MICMAC	4.13	67.2	75	2.8	104	43.9
RODEO	4.49	67.2	72	2.0	105	44.8
BRUCE	3.46	64.7	74	2.3	105	36.2
JOLY	3.66	60.5	76	3.3	103	37.7
LEGER	4.20	62.1	81	2.8	105	40.5
MINGO	4.20	65.6	82	2.5	106	42.1
OAC KIPPEN	4.03	64.8	82	1.8	105	39.5
SOPHIE	3.81	61.7	79	3.0	106	39.8

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1986-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BIRKA	3.85	66.3	75	1.5	103	43.8
MICMAC	3.85	65.4	76	2.5	101	42.2
RODEO	4.12	65.8	77	1.8	101	43.1
BRUCE	3.21	62.2	78	2.5	102	35.0
JOLY	3.43	59.0	83	3.5	100	36.7
LEGER	3.91	59.8	89	2.7	101	38.6
MINGO	3.88	63.3	87	2.8	102	40.5
SOPHIE	3.51	58.1	87	3.3	104	38.4

^a No. of days from seeding to maturity

TESTING AREA I
BARLEY
Yield in kg per ha, 1988

CULTIVAR	Kent	Lambton	AVERAGE			RANK
			t/ha	lbs/a	bu/a	
ALBANY	4938	2237	3.588	3193	66.5	3
BIRKA	5068	1734	3.401	3027	63.0	8
HELENA	4484	1926	3.205	2852	59.4	10
MICMAC	4798	1988	3.393	3020	62.9	9
RODEO	4969	2053	3.511	3125	65.1	5
TBM 34-2	4399	1952	3.176	2827	58.9	12
BRUCE	4140	1751	2.946	2622	54.6	19
JOLY	4586	1490	3.038	2704	56.3	18
LEGER	5002	1816	3.409	3034	63.2	7
MINGO	4785	2081	3.433	3055	63.6	6
OAC KIPPEN	4562	1719	3.141	2795	58.2	14
SOPHIE	3954	1557	2.756	2453	51.1	22
OCF81-248	4659	1691	3.175	2826	58.9	13
QB198.27	4349	1844	3.097	2756	57.4	15
OB751-12	5695	2393	4.044	3599	75.0	1
OB751-27	5116	1949	3.533	3144	65.5	4
TBE611-29	5404	2230	3.817	3397	70.8	2
AB79-17	3891	1725	2.808	2499	52.1	20
K6-5	4444	1701	3.073	2735	57.0	17
K6-6	4371	1791	3.081	2742	57.1	16
82RCBB-13	4089	1465	2.777	2472	51.5	21
QB532.13	4605	1788	3.197	2845	59.3	11
MEAN	4650	1855	3.253	2895	60.3	--
C.V.%	12.9	14.6	--	--	--	--
L.S.D. (0.05)	515	254	--	--	--	--

TESTING AREA II
BARLEY
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (4)*	hl/wt kg (4)	Height cm (4)	Lodging 1-9 (1)	Maturity ^a days (2)	Kernel Weight g/1000 (4)	Mildew 0-9 (1)
ALBANY	3.50	64.6	64	1.0	82	40.2	0.0
BIRKA	3.40	65.3	64	1.4	85	39.9	0.0
HELENA	3.24	65.1	62	1.4	82	40.2	0.0
MICMAC	3.13	63.4	69	2.9	82	37.5	0.0
RODEO	3.30	63.8	65	1.1	82	41.2	0.0
TBM 34-2	3.54	63.9	65	1.5	83	37.9	0.0
BRUCE	3.30	63.3	67	1.5	79	32.3	3.0
JOLY	2.90	57.3	68	1.4	80	32.8	0.0
LEGER	3.54	60.2	72	1.1	81	34.7	2.0
MINGO	3.39	62.6	75	2.6	81	38.3	7.0
OAC KIPPEN	3.40	63.5	71	2.3	81	35.0	0.0
SOPHIE	2.96	58.1	69	1.3	83	34.3	0.0
OCF81-248	3.46	61.2	69	1.6	82	36.0	4.5
QB198.27	3.52	58.2	66	1.9	79	39.5	0.0
OB751-12	3.38	65.4	65	2.1	83	41.8	0.0
OB751-27	3.22	64.5	64	2.0	82	39.4	0.0
TBE611-29	3.38	63.3	68	1.0	83	37.6	0.0
AB79-17	2.80	63.7	72	2.0	85	42.4	0.0
K6-5	3.33	61.8	70	1.1	83	37.2	0.0
K6-6	3.28	61.2	66	1.3	82	37.6	0.0
82RCBB-13	3.06	59.4	61	1.5	78	38.8	0.0
QB532.13	3.17	58.9	69	2.4	83	38.0	0.0

^a No. of days from seeding to maturity

* No. of Locations

TESTING AREA II
BARLEY
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (8)*	hl/wt kg (8)	Height cm (7)	Lodging 1-9 (1)	Maturity ^a days (2)	Kernel Weight g/1000 (8)	Mildew 0-9 (1)	Net Blotch 0-9 (3)
ALBANY	3.11	64.4	62	1.0	82	41.1	0.0	1.3
BIRKA	2.98	65.8	64	1.4	85	41.0	0.0	2.6
HELENA	3.09	65.4	63	1.4	82	41.0	0.0	1.5
MICMAC	2.98	63.6	69	2.9	82	39.4	0.0	2.1
RODEO	3.11	63.7	66	1.1	82	41.1	0.0	1.7
TBM 34-2	3.13	64.1	64	1.5	83	38.6	0.0	2.0
BRUCE	2.96	62.9	66	1.5	79	33.1	3.0	1.5
JOLY	2.77	57.8	70	1.4	80	34.4	0.0	2.3
LEGER	3.13	60.6	73	1.1	81	34.8	2.0	1.9
MINGO	3.05	62.5	75	2.6	81	39.0	7.0	2.9
OAC KIPPEN	3.13	63.0	70	2.3	81	36.1	0.0	1.9
SOPHIE	2.84	57.8	75	1.3	83	35.6	0.0	2.6
OCF81-248	3.25	61.5	72	1.6	82	37.4	4.5	2.0
QB198.27	3.26	58.7	64	1.9	79	41.2	0.0	1.6

^a No. of days from seeding to maturity

* No. of Locations

TESTING AREA II
BARLEY
AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000	Mildew (0-9)	Net Blotch (0-9)
ALBANY	3.02	64.2	66	2.6	87	42.1	0.0	1.3
BIRKA	2.91	64.9	66	2.5	89	41.8	0.1	2.3
HELENA	3.08	65.7	66	2.3	87	43.5	0.1	0.1
MICMAC	3.05	63.5	70	3.8	87	40.2	0.2	1.5
RODEO	3.11	64.1	69	2.3	88	41.8	0.3	1.5
BRUCE	2.98	62.3	70	2.7	84	33.3	3.4	0.9
JOLY	2.97	57.8	74	2.7	86	35.7	0.1	1.3
LEGER	3.16	60.2	77	2.1	86	36.7	2.6	1.2
MINGO	3.16	62.3	79	3.0	86	39.5	5.6	1.8
OAC KIPPEN	3.26	62.8	75	2.9	86	38.1	0.1	1.0
SOPHIE	2.82	57.3	79	3.5	88	35.1	1.1	1.6

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1986-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000	Mildew (0-9)
BIRKA	3.09	64.4	67	2.5	90	41.5	0.3
MICMAC	2.86	63.3	71	3.5	88	40.5	
0.3RODEO	3.21	64.2	69	2.4	89	41.9	0.5
BRUCE	2.99	61.9	71	3.0	85	34.9	4.1
JOLY	3.18	57.5	77	3.1	87	36.8	0.5
LEGER	3.30	59.7	80	2.6	87	36.1	3.1
MINGO	3.20	61.9	80	3.7	88	39.7	5.2
SOPHIE	2.92	56.9	81	3.9	90	35.7	2.0

^a No. of days from seeding to maturity

TESTING AREA II
BARLEY
Yield in kg per ha, 1988

CULTIVAR	Oxford	Middlesex	Huron I	Huron II	AVERAGE			RANK
					t/ha	lbs/a	bu/a	
ALBANY	3274	3042	4691	3004	3.503	3118	65.0	4
BIRKA	2784	3640	4437	2753	3.404	3030	63.1	6
HELENA	2860	2988	4184	2912	3.236	2880	60.0	15
MICMAC	2534	2952	4310	2736	3.133	2788	58.1	18
RODEO	2987	3278	4147	2805	3.304	2941	61.3	12
TBM 34-2	2974	3368	4654	3172	3.542	3152	65.7	1
BRUCE	2910	3350	3912	3013	3.296	2933	61.1	13
JOLY	2670	2517	3966	2442	2.899	2580	53.8	21
LEGER	2854	3658	4419	3218	3.537	3148	65.6	2
MINGO	3320	3187	4220	2848	3.394	3021	62.9	8
OAC KIPPEN	3027	3368	4437	2753	3.396	3022	63.0	7
SOPHIE	2660	2825	4002	2335	2.956	2631	54.8	20
OCF81-248	3140	3368	4546	2799	3.463	3082	64.2	5
QB198.27	3264	3242	4636	2945	3.522	3135	65.3	3
OB751-12	2927	3731	3984	2858	3.375	3004	62.6	10
OB751-27	2954	3006	4310	2617	3.222	2868	59.8	16
TBE611-29	2910	3205	4510	2877	3.376	3005	62.6	9
AB79-17	2350	2499	3838	2514	2.800	2492	51.9	22
K6-5	2737	3115	4510	2939	3.325	2959	61.6	11
K6-6	2677	3079	4383	2996	3.284	2923	60.9	14
82RCBB-13	2394	2753	4691	2397	3.059	2723	56.7	19
QB532.13	2657	3242	4002	2784	3.171	2822	58.8	17
MEAN	2857	3156	4310	2805	3.282	2921	60.9	--
C.V.%	9.6	14.9	9.5	10.3	--	--	--	--
L.S.D. (0.05)	388	665	580	407	--	--	--	--

TESTING AREA II
BARLEY

Yield in kg per ha, 1988

CULTIVAR	Oxford	Middle- sex	Huron I	Huron II	Durham West	Durham East	Victoria	Hastings	t/ha	AVERAGE		RANK
										lbs/a	bu/a	
ALBANY	3274	3042	4691	3004	3473	1705	1839	3814	3.105	2763	57.6	7
BIRKA	2784	3640	4437	2753	3438	1641	1710	3438	2.980	2652	55.3	11
HELENA	2680	2988	4184	2912	4098	1733	2095	3828	3.087	2747	57.2	8
MICMAC	2534	2952	4310	2736	3494	1818	1919	4091	2.982	2654	55.3	10
RODEO	2987	3278	4147	2805	4034	1555	1932	4169	3.113	2771	57.7	6
TBM 34-2	2974	3368	4654	3172	3686	1761	1945	3452	3.127	2783	58.0	5
BRUCE	2910	3350	3912	3013	3658	1939	1869	3040	2.961	2635	54.9	12
JULY	2670	2517	3966	2442	3708	1477	1701	3686	2.771	2466	51.4	14
LEGER	2854	3658	4419	3218	3487	1854	1667	3913	3.134	2789	58.1	3
MINGO	3320	3187	4220	2848	3132	1840	1951	3935	3.054	2718	56.6	9
OAC KIPPEN	3027	3368	4437	2753	3288	1534	2083	4567	3.132	2787	58.1	4
SOPHIE	2660	2825	4002	2335	3693	1669	1774	3722	2.835	2523	52.6	13
OCF81-248	3140	3368	4546	2799	4006	1719	2210	4226	3.252	2894	60.3	2
QB198.27	3264	3242	4636	2945	3764	2081	1784	4340	3.257	2899	60.4	1
MEAN	2947	3199	4326	2838	3640	1738	1891	3873	3.057	2720	56.7	--
C.V.%	9.3	13.3	8.5	8.9	12.8	13.3	12.4	11.7	--	--	--	--
L.S.D. (0.05)	392	607	524	361	665	329	394	649	--	--	--	--

TESTING AREA III
BARLEY
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (6)*	hl/wt kg (6)	Height cm (6)	Lodging 1-9 (4)	Maturity ^a days (3)	Kernel Weight g/1000 (6)
ALBANY	4.27	65.3	63	2.1	85	40.7
BIRKA	3.91	67.7	65	1.3	87	40.9
HELENA	4.14	67.3	62	2.0	86	40.9
MICMAC	3.96	66.2	67	1.9	85	39.4
RODEO	4.10	66.2	64	2.4	85	39.9
TBM 34-2	4.15	66.2	64	1.4	86	38.5
BRUCE	3.99	64.1	66	2.4	86	35.8
JOLY	4.08	61.1	72	2.3	86	36.5
LEGER	4.21	62.5	75	1.9	86	36.8
MINGO	4.05	64.6	77	2.1	86	39.9
OAC KIPPEN	4.32	63.2	77	1.3	87	35.7
SOPHIE	3.85	61.5	78	2.0	86	38.1
OCF81-248	3.76	62.0	69	1.6	87	37.0
QB198.27	3.89	61.1	62	2.1	86	43.1
OB751-12	4.12	65.5	62	1.8	86	37.7
OB751-27	4.30	66.1	65	2.0	86	38.9
TBE611-29	4.31	65.9	67	2.1	86	39.2
AB79-17	3.34	65.1	75	1.4	86	44.9
K6-5	3.98	63.2	72	1.6	86	39.8
K6-6	4.14	65.4	73	1.3	86	39.9
82RCBB-13	3.33	58.6	61	1.8	85	41.2
QB532.13	4.35	64.4	72	2.3	86	40.9

^a No. of days from seeding to maturity

* No. of Locations

TESTING AREA III
BARLEY
AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
ALBANY	4.02	66.8	69	3.2	89	41.2
BIRKA	3.70	68.2	68	2.0	90	38.8
HELENA	4.06	68.8	68	3.2	89	40.6
MICMAC	3.77	66.9	70	3.6	88	38.7
RODEO	3.89	67.0	68	3.0	88	39.6
BRUCE	3.97	66.2	72	3.9	89	35.4
JOLY	4.19	62.5	77	2.8	89	36.1
LEGER	4.17	64.0	78	2.1	89	36.5
MINGO	3.93	65.5	81	3.7	89	37.5
OAC KIPPEN	3.97	65.6	79	2.7	90	36.2
SOPHIE	3.51	63.4	81	3.9	89	34.9

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1986-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BIRKA	3.98	67.8	70	2.0	92	38.1
MICMAC	4.01	67.0	72	3.5	90	37.1
RODEO	4.06	67.0	70	2.4	90	37.0
BRUCE	3.75	65.7	73	3.2	89	33.5
JOLY	4.22	62.4	79	2.3	91	36.2
LEGER	4.30	64.2	82	2.0	91	36.7
MINGO	4.00	65.5	86	3.3	90	34.6
SOPHIE	3.89	62.8	85	3.4	91	33.9

^a No. of days from seeding to maturity

TESTING AREA III
 BARLEY
 Yield in kg per ha, 1988

CULTIVAR	Grenville	Dundas	Carleton	Renfrew	Lanark	Prescott	t/ha	AVERAGE		
								1bs/a	bu/a	RANK
ALBANY	5031	5518	4080	4068	3541	3403	4.274	3804	79.3	5
BIRKA	4374	5147	3593	4064	3154	3135	3.911	3481	72.5	17
HELENA	5067	5349	3435	3835	3010	4140	4.139	3684	76.8	9
MICMAC	4667	4816	3617	3944	3242	3453	3.957	3522	73.4	16
RODEO	5519	5029	3671	3766	3075	3528	4.098	3647	76.0	11
TBM 34-2	5697	4946	3188	4098	3455	3540	4.154	3698	77.0	7
BRUCE	4884	5143	3489	3588	2874	3940	3.986	3548	73.9	14
JOLY	5202	5912	3025	3732	2829	3753	4.076	3628	75.6	12
LEGER	5111	5502	4088	3795	3230	3555	4.214	3751	78.1	6
MINGO	5442	4840	3474	4135	3265	3170	4.054	3608	75.2	13
OAC KIPPEN	5601	5437	3901	4027	3399	3568	4.322	3847	80.1	2
SOPHIE	4449	4976	3338	3515	2897	3935	3.852	3428	71.4	19
OCF81-248	5067	4571	2823	3843	3062	3180	3.758	3345	69.7	20
QB198.27	4638	5096	3070	3262	2636	4633	3.889	3461	72.1	18
OB751-12	5462	5049	3582	4072	2941	3638	4.124	3670	76.5	10
OB751-27	5842	4874	3454	4345	3355	3920	4.298	3825	79.7	4
TBE611-29	6172	5172	3537	4260	3416	3325	4.314	3839	80.0	3
AB79-17	3994	4429	3035	3108	2747	2743	3.343	2975	62.0	21
K6-5	4950	4975	3134	3760	3330	3745	3.982	3544	73.8	15
K6-6	5050	4838	3767	4353	3296	3555	4.143	3687	76.8	8
82RCBB-13	4927	4430	2896	2950	2369	2403	3.329	2963	61.7	22
QB532.13	5663	4966	3870	3924	3332	4353	4.351	3872	80.7	1
MEAN	5128	5046	3458	3838	3112	3573	4.026	3583	74.6	--
C.V.%	12.0	11.7	10.3	8.4	10.5	14.0	--	--	--	--
L.S.D. (0.05)	897	N.S.	505	457	462	705	--	--	--	--

TESTING AREA IV
BARLEY
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (5)*	hl/wt kg (5)	Height cm (5)	Maturity ^a days (1)	Kernel Weight g/1000 (4)
ALBANY	3.40	62.7	51	85	41.0
BIRKA	3.44	63.0	53	87	39.5
HELENA	3.18	64.0	51	84	38.7
MICMAC	3.24	62.6	59	86	38.6
RODEO	3.54	62.9	57	85	40.9
TBM 34-2	3.41	63.5	52	85	37.9
BRUCE	3.30	60.7	56	80	32.3
JOLY	3.09	56.0	59	82	34.8
LEGER	3.47	58.0	63	83	33.5
MINGO	3.17	58.4	65	83	37.3
OAC KIPPEN	3.47	59.6	65	83	34.4
SOPHIE	3.14	56.3	67	85	36.0
OCF81-248	3.63	59.3	62	83	35.9
QB198.27	3.51	57.2	51	83	38.9
OB751-12	3.66	64.0	54	85	41.8
OB751-27	3.28	64.7	57	85	41.0
TBE611-29	3.22	61.9	57	86	39.6
AB79-17	2.93	61.4	63	88	43.6
K6-5	3.43	61.6	63	82	37.6
K6-6	3.49	60.6	63	82	37.3
82RCBB-13	3.30	56.7	53	80	38.8
QB532.13	3.64	58.7	63	82	40.8

^a No. of days from seeding to maturity

* No. of Locations

TESTING AREA IV
BARLEY
AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9*	Maturity ^a days	Kernel Weight g/1000	Mildew 0-9*
ALBANY	3.71	63.4	67	2.4	88	44.3	0.0
BIRKA	3.68	64.0	66	1.9	89	40.4	0.0
HELENA	3.71	65.5	65	1.8	88	43.4	0.8
MICMAC	3.75	63.1	72	2.6	88	39.8	0.8
RODEO	3.88	64.3	68	1.9	88	43.6	0.0
BRUCE	3.68	61.5	70	3.0	84	34.6	3.7
JOLY	3.66	57.2	75	3.3	86	38.9	0.1
LEGER	3.94	59.3	79	2.9	86	37.3	5.6
MINGO	3.55	60.4	80	3.6	86	39.6	4.0
OAC KIPPEN	3.97	61.3	78	2.5	87	38.2	0.0
SOPHIE	3.43	57.1	83	4.5	88	39.3	4.7

^a No. of days from seeding to maturity
* 1987 Data only

AGRONOMIC DATA, 1986-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9*	Maturity ^a days	Kernel Weight g/1000	Mildew 0-9*
BIRKA	3.78	64.6	67	1.8	91	41.0	0.0
MICMAC	3.85	63.3	72	2.5	90	40.5	0.4
RODEO	3.92	65.0	69	1.9	90	43.4	0.0
BRUCE	3.72	61.2	73	3.4	87	33.6	6.4
JOLY	3.93	57.6	78	4.1	88	37.6	1.2
LEGER	4.09	59.7	84	3.3	88	37.2	6.6
MINGO	3.69	61.1	81	4.5	88	38.9	6.3
SOPHIE	3.53	57.2	80	4.7	89	38.2	6.3

^a No. of days from seeding to maturity
* 2 Years data only

TESTING AREA IV
BARLEY
Yield in kg per ha, 1988

CULTIVAR	Welling- ton I	Welling- ton II	Welling- ton III	Perth	Bruce	AVERAGE			RANK
						t/ha	lbs/a	bu/a	
ALBANY	2954	2918	4450	3049	3616	3.397	3023	63.0	12
BIRKA	2868	2387	4580	3771	3578	3.437	3059	63.7	9
HELENA	2950	2634	4800	2647	2846	3.175	2826	58.9	18
MICMAC	2984	2559	4780	2886	2975	3.237	2881	60.0	16
RODEO	3029	2494	4710	3978	3469	3.536	3147	65.6	4
TBM 34-2	2836	2667	5070	2994	3499	3.413	3038	63.3	11
BRUCE	2808	2527	5310	2666	3165	3.295	2933	61.1	14
JOLY	2720	2279	4890	2391	3181	3.092	2752	57.3	21
LEGER	3056	3240	5230	2507	3338	3.474	3092	64.4	7
MINGO	3040	2587	4690	2483	3063	3.173	2824	58.8	19
OAC KIPPEN	3284	2675	5300	2706	3378	3.469	3087	64.3	8
SOPHIE	3097	3786	4750	2441	2608	3.136	2791	58.1	20
OCF81-248	3294	2730	5310	3210	3584	3.626	3227	67.2	3
QB198.27	2916	3007	5200	3051	3377	3.510	3124	65.1	5
OB751-12	2955	2847	5600	3161	3720	3.657	3255	67.8	1
OB751-27	2706	2637	5060	2608	3387	3.280	2919	60.8	15
TBE611-29	3100	2128	4850	2919	3109	3.221	2867	59.7	17
AB79-17	2728	2155	4370	2514	2891	2.932	2609	54.4	22
K6-5	3286	2760	5410	2511	3174	3.428	3051	63.6	10
K6-6	3227	3011	5140	2640	3431	3.490	3106	64.7	6
82RCBB-13	2714	2783	4660	3417	2941	3.303	2940	61.3	13
QB532.13	2842	2797	5670	3375	3496	3.636	3236	67.4	2
MEAN	2973	2664	4992	2906	3265	3.360	2990	62.3	--
C.V.%	5.5	15.6	12.0	12.7	13.9	--	--	--	--
L.S.D. (0.05)	232	685	840	373	533	--	--	--	--

TESTING AREA V
BARLEY
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (4)*	h1/wt kg (4)	Height cm (3)	Lodging 1-9 (2)	Maturity ^a days (2)	Kernel Weight g/1000 (4)
ALBANY	3.56	60.6	64	3.0	95	37.5
BIRKA	3.60	63.0	61	3.0	96	37.7
HELENA	3.66	64.2	59	2.7	95	38.9
MICMAC	3.91	61.1	68	3.5	95	38.4
RODEO	3.63	61.2	66	3.0	95	36.8
TBM 34-2	3.82	62.2	63	2.5	94	35.4
BRUCE	3.48	59.2	66	4.5	93	31.4
JOLY	3.40	55.5	67	3.8	95	32.8
LEGER	3.77	57.7	76	2.7	95	35.8
MINGO	3.72	59.6	77	3.0	95	37.9
OAC KIPPEN	4.06	60.7	76	2.2	94	35.7
SOPHIE	3.76	56.2	75	4.5	96	33.7
OCF81-248	3.76	57.7	68	2.2	95	35.8
QB198.27	3.49	55.5	56	1.5	95	39.3
OB751-12	3.88	59.8	63	3.0	94	38.5
OB751-27	3.74	58.8	67	2.5	95	38.6
TBE611-29	4.06	61.1	69	2.2	95	37.1
AB79-17	3.42	59.7	72	2.0	96	42.1
K6-5	3.79	60.4	73	1.5	95	34.2
K6-6	4.10	60.1	72	2.0	95	35.8
82RCBB-13	2.99	55.2	62	3.0	92	38.6
QB532.13	3.85	57.1	73	3.4	95	38.8

^a No. of days from seeding to maturity

* No. of Locations

TESTING AREA V
BARLEY
AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
ALBANY	3.55	61.0	67	2.9	97	39.4
BIRKA	3.57	63.4	68	2.9	98	38.4
HELENA	3.59	64.2	65	3.1	95	40.2
MICMAC	3.71	61.8	73	4.0	97	39.4
RODEO	3.65	62.2	71	2.9	96	37.8
BRUCE	3.66	59.6	71	4.5	94	31.1
JOLY	3.66	56.2	74	4.1	96	33.8
LEGER	3.88	59.4	80	3.4	96	36.5
MINGO	3.81	61.0	81	3.5	96	38.2
OAC KIPPEN	4.02	61.0	81	3.3	95	34.9
SOPHIE	3.74	57.2	80	4.8	98	35.0

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1986-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BIRKA	3.51	64.2	72	2.4	99	39.4
MICMAC	3.67	62.6	77	3.8	97	40.0
RODEO	3.63	63.5	74	2.5	97	39.1
BRUCE	3.68	61.1	77	3.6	94	33.4
JOLY	3.67	57.6	78	3.2	96	35.6
LEGER	3.86	60.5	85	3.0	97	37.1
MINGO	3.71	62.0	88	3.3	96	38.9
SOPHIE	3.67	58.5	86	4.0	98	36.2

^a No. of days from seeding to maturity

TESTING AREA V
BARLEY
Yield in kg per ha, 1988

CULTIVAR	Thunder Bay	Temis- kaming	Nipissing District	Parry Sound District	AVERAGE			RANK
					t/ha	lbs/a	bu/a	
ALBANY	2165	5836	3897	2324	3.556	3165	65.9	17
BIRKA	2256	5420	4368	2347	3.598	3202	66.7	16
HELENA	2196	5917	4189	2318	3.655	3253	67.8	14
MICMAC	2059	6183	4880	2519	3.910	3480	72.5	4
RODEO	2429	5564	4412	2114	3.630	3231	67.3	15
TBM 34-2	2208	6449	4164	2474	3.824	3403	70.9	7
BRUCE	2012	5780	3443	2701	3.484	3101	64.6	19
JOLY	1766	5224	3664	2960	3.404	3030	63.1	21
LEGER	2270	6611	3160	3053	3.774	3359	70.0	9
MINGO	1878	5974	4132	2876	3.715	3306	68.9	13
OAC KIPPEN	2240	6773	4253	2971	4.059	3613	75.3	3
SOPHIE	2039	6002	4167	2813	3.755	3342	69.6	11
OCF81-248	1961	6316	3617	3158	3.763	3349	69.8	10
QB198.27	1883	5757	3645	2688	3.493	3109	64.8	18
OB751-12	2111	6394	4671	2334	3.878	3451	71.9	5
OB751-27	1880	6124	4582	2389	3.744	3332	69.4	12
TBE611-29	2413	5924	5211	2694	4.061	3614	75.3	2
AB79-17	2295	5600	3740	2036	3.418	3042	63.4	20
K6-5	1724	6328	4367	2723	3.786	3370	70.2	8
K6-6	1792	6544	4780	3288	4.101	3650	76.0	1
82RCBB-13	1500	5505	3344	1612	2.990	2661	55.4	22
QB532.13	2070	5614	4637	3067	3.847	3424	71.3	6
MEAN	2052	5993	4151	2612	3.702	3295	68.6	--
C.V.%	15.0	7.5	9.0	11.7	--	--	--	--
L.S.D. (0.05)	308	287	242	197	--	--	--	--

TESTING AREA VI
BARLEY
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (1)*	hl/wt kg (2)	Height cm (2)	Lodging 1-9 (1)	Maturity ^a days (2)	Kernel Weight g/1000 (2)	Scald 0-9 (2)
ALBANY	4.37	63.8	56	2.0	98	42.0	2.3
BIRKA	3.83	63.5	57	2.8	100	45.4	1.5
HELENA	3.95	63.1	53	1.3	98	41.4	1.5
MICMAC	4.33	64.4	64	2.0	97	42.3	2.0
RODEO	4.57	63.6	62	1.5	98	41.6	2.3
TBM 34-2	4.23	63.5	59	1.5	99	39.1	1.3
BRUCE	4.63	61.3	61	3.0	96	32.3	1.5
JOLY	4.96	61.1	66	2.0	97	37.7	2.8
LEGER	5.19	61.7	72	2.5	98	37.5	1.5
MINGO	4.95	62.0	70	3.8	97	39.4	2.0
OAC KIPPEN	4.25	61.1	68	3.5	99	35.6	1.0
SOPHIE	4.71	60.6	69	2.5	100	36.3	1.5
OCF81-248	4.58	61.3	62	1.5	98	40.5	1.0
QB198.27	4.60	60.9	55	2.3	99	42.9	1.0
OB751-12	4.87	65.1	59	1.8	98	43.2	2.3
OB751-27	4.61	64.1	65	1.8	98	42.1	2.5
TBE611-29	4.78	64.3	63	1.5	97	43.4	1.8
AB79-17	4.53	63.3	69	2.3	99	43.8	1.5
K6-5	5.20	63.0	66	1.5	98	39.2	1.8
K6-6	4.83	61.9	68	1.8	98	39.7	1.3
82RCBB-13	4.43	57.8	61	3.0	95	41.3	0.3
QB532.13	5.20	63.3	68	2.8	98	44.5	1.8

^a No. of days from seeding to maturity

* No. of Locations

TESTING AREA VI
BARLEY
AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
ALBANY	3.36	63.1	61	4.3	103	39.5
BIRKA	2.97	64.2	60	4.5	106	42.2
HELENA	3.08	64.0	58	4.1	103	40.1
MICMAC	3.24	63.4	66	3.8	102	39.6
RODEO	3.40	63.1	63	3.5	103	39.8
BRUCE	3.63	61.8	62	4.8	100	32.0
JOLY	3.82	60.7	67	4.2	103	37.4
LEGER	4.01	61.9	74	4.9	103	36.4
MINGO	3.66	62.0	72	5.9	102	37.8
OAC KIPPEN	3.47	62.0	70	5.0	103	34.1
SOPHIE	3.49	59.8	72	4.4	105	36.0

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1986-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BIRKA	3.52	66.0	62	3.2	109	40.9
MICMAC	3.75	65.0	67	3.0	106	38.1
RODEO	3.86	65.2	65	2.7	107	38.9
BRUCE	3.88	62.3	64	3.8	104	30.9
JOLY	4.03	60.9	69	3.5	106	35.6
LEGER	4.38	62.7	77	4.0	106	34.8
MINGO	3.75	63.1	75	4.7	106	36.6
SOPHIE	3.96	61.3	74	3.6	108	35.9

^a No. of days from seeding to maturity

TESTING AREA VI
BARLEY
Yield in kg per ha, 1988

CULTIVAR	Cochrane	Rainy River*	AVERAGE			RANK
			t/ha	lbs/a	bu/a	
ALBANY	4373	1975	4.373	3892	81.1	17
BIRKA	3829	1719	3.829	3408	71.0	22
HELENA	3949	2130	3.949	3515	73.2	21
MICMAC	4327	1519	4.327	3851	80.2	18
RODEO	4567	1451	4.567	4065	84.7	14
TBM 34-2	4226	1653	4.226	3761	78.4	20
BRUCE	4632	1020	4.632	4122	85.9	10
JOLY	4964	1852	4.964	4418	92.0	4
LEGER	5185	1867	5.185	4615	96.1	3
MINGO	4954	1493	4.954	4409	91.9	5
OAC KIPPEN	4253	1621	4.253	3785	78.9	19
SOPHIE	4705	1709	4.705	4187	87.2	9
OCF81-248	4576	2461	4.576	4073	84.9	13
QB198.27	4604	1833	4.604	4098	85.4	12
OB751-12	4871	1206	4.871	4335	90.3	6
OB751-27	4613	1672	4.613	4106	85.5	11
TBE611-29	4779	1876	4.779	4253	88.6	8
AB79-17	4530	1616	4.530	4032	84.0	15
K6-5	5204	2282	5.204	4632	96.5	1
K6-6	4825	2492	4.825	4294	89.5	7
82RCBB-13	4429	1154	4.429	3942	82.1	16
QB532.13	5204	1994	5.204	4632	96.5	1
MEAN	4570	1754	4.570	4067	84.7	--
C.V.%	9.9	31.5	--	--	--	--
L.S.D. (0.05)	639	136	--	--	--	--

* Data not included in mean

DESCRIPTION OF CULTIVARS IN REGIONAL TESTS, 1988

OATS

- Baldwin - a Quebec (MacDonald College) selection from the cross Laurent/Q051.42. An early maturing oat with high yield, and good hectaliter weight. Similar to Marion in most respects. Registered in 1986.
- Donald - a daylength insensitive Ottawa selection from a complex hybrid having three oat species in its lineage. Parentage -CAV2700/Gemini/2/Rodney/2/CAV2700/Gemini. It is early, high yielding resistant to smut and tolerant to BYD but susceptible to rust and septoria. Large kernels, thin hull and low % of double oats. Acceptable for milling. Registered in 1982.
- Newman
(OA 774-1) - daylength insensitive white oat developed by Agriculture Canada, Ottawa from rust resistant backcross to Donald (Donald *4/OT219). Nearly identical to Donald in all respects with the addition of at least 2 genes for crown rust resistance. Registered in 1988.
- Dumont - a Winnipeg selection from the cross Harmon HAM/Double Cross 7 with very good resistance to leaf rust, stem rust and smut. High yield, large kernels, later than Oxford. Registered in 1982.
- Marion - a Quebec (Sainte-Foy) high yielding, early selection from the cross Q0130.4/Q051.27. Maturity range between Ogle and OAC Woodstock. Large kernels, high hectoliter weight and low % hull. Resistant to Victoria blight. Susceptible to smut, crown rust and septoria. Taller than OAC Woodstock with average lodging resistance. Registered in 1985.
- OAC Woodstock - a Guelph selection from interspecific composite Stormont x (Clintland x Garry x Garry). High yield, resistant to leaf rust and smut, susceptible to BYD. Large kernels, low % hull, and low % double oats. Rust resistance is no longer effective in Eastern Ontario. Acceptable for milling. Registered in 1982.
- Ogle - an Illinois selection (ILL73-2664, CI9401) from the cross BRAVE2 x TYLER x EDGOLON23. It is an early, yellow oat with short straw and resistance to BYD, tolerant to crown rust, susceptible to smut. Acceptable for milling. Registered in 1984.
- Oxford - a Guelph selection from the cross Stormont x (GA85 x Clintland 60 x OA48-54). It is a yellow oat with high yield and very good lodging resistance. It has a lower percentage of double oats than Elgin. Good tolerance to Septoria and BYD. Registered in 1976.

- Tibor - an hulless (naked) Ottawa selection with a complex parentage. Compared to Terra, it has higher groat yield, thousand kernel weight, hectoliter weight and seed protein content. It has good lodging resistance coupled with tall plant height and early maturity. Resistant to smut and Victoria blight and a "slow rust" to prevalent races in E. Canada. Registered in 1985.
- QO 224.5 - a new oat cultivar developed by Agriculture Canada (Ste Foy) from the cross Manic//R12892/Kent.

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1988

CULTIVAR	I(2)**		II(7)		III(6)		IV(5)		V(4)		VI(1)		Province***(25)	
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Province
BALDWIN	2.51	7	2.72	3	3.88	1	3.58	2	3.85	2	4.72	1	3.41	3035
DONALD	3.42	3	2.65	4	3.27	8	3.13	9	3.03	8	4.45	2	3.09	2750
NEWMAN	3.45	2	2.61	5	3.38	6	3.23	7	3.28	6	4.33	3	3.16	2812
DUMONT	2.69	5	2.61	5	3.51	4	3.23	7	3.60	4	3.95	7	3.17	2821
MARION	3.49	1	2.99	1	3.76	2	3.63	1	3.98	1	4.22	4	3.55	3160
OAC WOODSTOCK	2.30	8	2.59	7	3.41	5	3.27	6	3.59	5	4.15	6	3.12	2777
OGLE	3.23	4	2.89	2	3.37	7	3.38	3	3.18	7	3.94	8	3.22	2866
OXFORD	2.64	6	2.59	7	3.66	3	3.28	5	3.67	3	4.17	5	3.22	2866
TIBOR ¹	1.34	9	1.84	9	2.59	9	2.34	4	2.55	9	2.51	9	2.38	2118
MEAN	2.79	--	2.61	--	3.43	--	3.23	--	3.41	--	4.05	--	3.15	2801

* See attached map
 ** No. of locations
 *** Weighted Average
¹ Hullless oats

RELATIVE OAT YIELDS, 1988

CULTIVAR	I		II		III		IV		V		VI		Province
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	
BALDWIN	89		104		115		113		115		115		106
DONALD	121		104		97		97		88		110		97
NEWMAN	125		100		100		100		97		105		100
DUMONT	96		100		103		100		106		98		100
MARION	125		115		112		101		118		102		113
OAC WOODSTOCK	82		100		100		103		106		102		97
OGLE	114		104		100		106		94		95		100
OXFORD	93		100		109		103		109		102		100
TIBOR ¹	46		64		77		72		81		61		75
MEAN Yield t/ha	2.8		2.6		3.4		3.2		3.4		4.1		3.2

¹ Hullless oats

OATS
MEAN YIELDS, 1987-88

CULTIVAR	I(4)*		II(16)		III(9)		IV(11)		V(7)		VI(4)		Province(51)	
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Province
BALDWIN	3.45	4	2.91	3	3.73	1	3.76	1	3.55	2	3.81	1	3.43	3053
DONALD	3.76	2	2.74	4	3.33	5	3.33	7	3.36	6	3.39	4	3.14	2795
DUMONT	3.37	6	2.62	7	3.27	6	3.39	6	3.19	7	3.32	6	3.10	2759
MARION	4.06	1	3.01	2	3.70	2	3.74	2	3.89	1	3.56	2	3.52	3133
OAC WOODSTOCK	3.23	7	2.71	5	3.26	7	3.65	3	3.40	5	3.35	5	3.19	2839
OGLE	3.66	3	3.02	1	3.38	3	3.51	5	3.54	3	3.19	7	3.30	2937
OXFORD	3.42	5	2.63	6	3.38	3	3.58	4	3.49	4	3.51	3	3.22	2866
TIBOR ¹	1.98	8	1.96	8	2.48	8	2.54	8	2.36	8	2.26	8	2.35	2092
MEAN	3.37	--	2.70	--	3.32	--	3.44	--	3.35	--	3.30	--	3.16	2809

* No. of Locations

¹ Hullless oats

RELATIVE OAT YIELDS, 1987-88

CULTIVAR	I		II		III		IV		V		VI		Province	
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Province
BALDWIN	103		107		112		112		106		115		106	106
DONALD	112		100		100		97		100		103		97	97
DUMONT	100		96		100		100		94		100		97	97
MARION	121		111		112		109		115		109		109	109
OAC WOODSTOCK	94		100		100		109		100		103		100	100
OGLE	109		111		103		103		103		97		103	103
OXFORD	100		96		103		106		103		106		100	100
TIBOR ¹	59		74		76		74		71		70		75	75
MEAN Yield t/ha	3.4		2.7		3.3		3.4		3.4		3.3		3.2	3.2

¹ Hullless oats

OATS
MEAN YIELDS, 1985-88

CULTIVAR	I		II		III		IV		V		VI		Province	
	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	Rank	t/ha	lbs/a
DONALD	3.47	3	3.30	3	3.87	5	3.86	5	3.29	4	3.50	5	3.50	3115
DUMONT	3.27	4	3.09	6	3.97	2	3.92	4	3.14	5	3.55	4	3.43	3053
MARION	3.62	1	3.49	2	4.22	1	4.14	1	3.69	2	3.73	1	3.78	3364
OAC WOODSTOCK	3.07	6	3.20	4	3.97	2	4.00	3	3.13	6	3.59	3	3.47	3088
OGLE	3.55	2	3.56	1	3.84	6	4.08	2	3.72	1	3.21	6	3.67	3266
OXFORD	3.18	5	3.20	4	3.95	4	3.78	6	3.31	3	3.60	2	3.48	3097
TIBORI	2.05	7	2.27	7	2.75	7	2.65	7	2.21	7	2.14	7	2.44	2172

1 Hullless oats

TESTING AREA I
OATS
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (2)*	hl/wt kg (2)	Height cm (2)	Lodging 1-9 (1)	Maturity ^a days (1)	Kernel Weight g/1000 (2)
BALDWIN	2.51	45.7	91	3	103	31.5
DONALD	3.42	49.5	86	2	104	36.9
NEWMAN	3.45	49.5	86	2	105	38.3
DUMONT	2.69	46.3	82	3	107	30.0
MARION	3.49	44.6	93	2	104	35.3
OAC WOODSTOCK	2.30	41.8	87	1	105	30.4
OGLE	3.23	43.5	76	1	102	30.4
OXFORD	2.64	41.0	80	2	108	29.2
TIBOR	1.34	56.7	92	2	105	22.0
Q0224.5	3.38	43.9	78	1	106	30.3

^a No. of days from seeding to maturity

* No. of locations

AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BALDWIN	3.45	46.9	97	3.0	109	34.9
DONALD	3.76	49.6	90	2.0	109	40.4
DUMONT	3.37	46.0	87	2.8	111	34.0
MARION	4.06	44.8	97	2.0	110	38.0
OAC WOODSTOCK	3.23	44.3	92	1.8	110	33.5
OGLE	3.66	44.4	81	1.3	108	31.9
OXFORD	3.42	42.5	84	1.5	112	32.6
TIBOR	1.98	55.7	97	2.0	110	26.5

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1985-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
DONALD	3.47	48.8	97	2.8	104	37.5
DUMONT	3.27	43.8	94	2.7	106	32.0
MARION	3.62	44.2	107	2.0	105	37.1
OAC WOODSTOCK	3.07	42.9	101	2.1	107	32.4
OGLE	3.55	44.7	87	1.5	104	31.6
OXFORD	3.18	41.7	94	1.5	107	31.5
TIBOR	2.05	54.7	106	1.9	105	27.3

^a No. of days from seeding to maturity

TESTING AREA I
OATS
Yield in kg per ha, 1988

CULTIVAR	Kent	Lambton	AVERAGE			RANK
			t/ha	lbs/a	bu/a	
BALDWIN	3597	1418	2.508	2232	65.6	8
DONALD	5002	1839	3.421	3045	89.6	3
NEWMAN	4923	1968	3.446	3067	90.2	2
DUMONT	3810	1569	2.690	2394	70.4	6
MARION	5166	1820	3.493	3109	91.4	1
OAC WOODSTOCK	3162	1441	2.302	2049	60.3	9
OGLE	4885	1578	3.232	2876	84.6	5
OXFORD	3670	1600	2.635	2345	69.0	7
TIBOR	2099	575	1.337	1190	35.0	10
Q0224.5	5206	1561	3.384	3012	88.6	4
MEAN	4152	1537	2.845	2532	74.5	--
C.V.%	8.2	14.0	--	--	--	--
L.S.D. (0.05)	410	261	--	--	--	--

TESTING AREA II
OATS
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (4)*	hl/wt kg (4)	Height cm (4)	Lodging 1-9 (1)	Maturity ^a days (2)	Kernel Weight g/1000 (4)
BALDWIN	2.75	49.7	88	3.6	88	36.5
DONALD	2.53	49.9	81	2.4	89	39.2
NEWMAN	2.50	51.1	82	2.3	89	38.1
DUMONT	2.48	49.6	82	3.0	93	37.5
MARION	3.05	45.5	86	2.4	88	37.8
OAC WOODSTOCK	2.53	47.6	86	1.8	92	35.5
OGLE	2.86	46.4	75	1.1	86	31.7
OXFORD	2.48	45.8	75	2.1	93	33.1
TIBOR	1.68	54.7	85	3.4	89	27.8
Q0224.5	2.92	46.4	78	2.4	91	35.2

^a No. of days from seeding to maturity

* No. of locations

AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (7)*	hl/wt kg (8)	Height cm (7)	Lodging 1-9 (1)	Maturity ^a days (2)	Kernel Weight g/1000 (8)	Septoria 0-9 (3)
BALDWIN	2.72	48.8	88	3.6	88	34.0	0.7
DONALD	2.65	52.0	80	2.4	89	38.9	0.7
NEWMAN	2.61	51.4	81	2.3	89	38.6	0.7
DUMONT	2.61	50.3	80	3.0	93	35.6	0.6
MARION	2.99	47.4	85	2.4	88	38.1	0.8
OAC WOODSTOCK	2.59	48.5	81	1.8	92	34.1	0.1
OGLE	2.89	47.8	74	1.1	86	32.9	0.1
OXFORD	2.59	44.5	74	2.1	93	31.9	0.1
TIBOR	1.84	54.2	86	3.4	89	27.9	0.1

^a No. of days from seeding to maturity

* No. of locations

TESTING AREA II
OATS
AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000	Septoria 0-9
BALDWIN	2.91	48.3	94	4.2	91	33.3	2.8
DONALD	2.74	49.9	82	3.3	90	40.7	4.6
DUMONT	2.62	47.8	83	4.1	93	34.1	4.0
MARION	3.01	47.0	90	3.7	90	39.1	2.8
OAC WOODSTOCK	2.71	47.5	87	2.9	92	35.6	2.3
OGLE	3.02	47.2	74	2.3	87	34.0	2.7
OXFORD	2.63	44.4	79	2.7	93	31.7	1.8
TIBOR	1.96	56.7	91	3.4	91	29.0	2.9

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1985-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
DONALD	3.30	50.0	93	3.0	92	39.7
DUMONT	3.09	46.8	94	3.9	96	35.0
MARION	3.49	47.6	103	3.2	93	38.6
OAC WOODSTOCK	3.20	46.5	99	2.7	95	35.4
OGLE	3.56	47.2	84	2.0	91	34.3
OXFORD	3.20	44.3	94	2.5	96	32.0
TIBOR	2.27	57.1	104	2.8	93	29.6

^a No. of days from seeding to maturity

TESTING AREA II
OATS
Yield in kg per ha, 1988

CULTIVAR	Oxford	Middlesex	Huron I	Huron II	AVERAGE			RANK
					t/ha	lbs/a	bu/a	
BALDWIN	2247	2771	3151	2814	2.746	2444	71.9	4
DONALD	2132	1666	3495	2825	2.530	2252	66.2	6
NEWMAN	1856	1883	3224	3034	2.499	2224	65.4	7
DUMONT	2152	1775	3242	2742	2.478	2205	64.9	8
MARION	2472	2608	3676	3433	3.047	2712	79.8	1
OAC WOODSTOCK	2205	1811	3296	2818	2.533	2254	66.3	5
OGLE	2329	2264	3531	3313	2.859	2545	74.9	3
OXFORD	2000	2264	2934	2701	2.475	2203	64.8	9
TIBOR	1474	1557	1919	1772	1.681	1496	44.0	10
QO224.5	2441	2716	3477	3040	2.919	2598	76.4	2
MEAN	2131	2132	3195	2849	2.577	2293	67.5	--
C.V.%	13.3	17.4	14.0	11.2	--	--	--	--
L.S.D. (0.05)	410	540	651	462	--	--	--	--

TESTING AREA II
OATS

Yield in kg per ha, 1988

CULTIVAR	Oxford	Middlesex	Huron		Durham		Victoria Hastings *	AVERAGE		RANK		
			I	II	West	East		t/ha	lbs/a bu/a			
BALDWIN	2247	2771	3151	2814	2948	2244	1001	2830	2.715	2416	71.1	3
DONALD	2132	1666	3495	2825	2940	2364	1166	3135	2.651	2359	69.4	4
NEWMAN	1856	1883	3224	3034	2857	2117	1325	3277	2.607	2320	68.2	6
DUMONT	2152	1775	3242	2742	3195	2155	1040	3029	2.613	2326	68.4	5
MARION	2472	2608	3676	3433	3016	2281	987	3425	2.987	2658	78.2	1
OAC WOODSTOCK	2205	1811	3296	2818	3090	1885	1001	3029	2.591	2306	67.8	7
OGLE	2329	2264	3531	3313	3182	2180	1416	3462	2.894	2576	75.8	2
OXFORD	2000	2264	2934	2701	2546	2592	845	3067	2.586	2302	67.7	8
TIBOR	1474	1557	1919	1772	2303	1358	813	2493	1.839	1637	48.1	9
MEAN	2096	2067	3163	2828	2897	2131	1066	3082	2.609	2322	68.3	--
C.V.%	12.1	17.9	11.8	11.6	7.4	13.3	17.3	9.9	--	--	--	--
L.S.D. (0.05)	369	541	544	480	314	413	268	443	--	--	--	--

*Data not included in mean

TESTING AREA III
OATS
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (6)*	hl/wt kg (6)	Height cm (6)	Lodging 1-9 (5)	Maturity ^a days (3)	Kernel Weight g/1000 (6)
BALDWIN	3.88	49.8	104	4.0	93	37.4
DONALD	3.27	49.8	88	3.6	93	34.3
NEWMAN	3.38	50.5	89	3.4	94	36.4
DUMONT	3.51	48.7	92	4.6	95	31.9
MARION	3.76	47.7	99	4.1	94	35.4
OAC WOODSTOCK	3.41	45.6	95	3.8	94	29.7
OGLE	3.37	47.8	80	2.4	91	28.8
OXFORD	3.66	46.1	90	3.1	94	29.0
TIBOR	2.59	54.0	100	3.2	94	30.7
Q0224.5	3.90	46.3	87	3.0	94	31.1

^a No. of days from seeding to maturity

* No. of locations

AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BALDWIN	3.73	49.6	109	4.9	93	34.7
DONALD	3.33	49.8	97	4.5	93	34.2
DUMONT	3.27	47.4	97	5.9	95	31.4
MARION	3.70	47.5	105	4.6	93	35.2
OAC WOODSTOCK	3.26	46.0	103	4.6	94	31.2
OGLE	3.38	47.3	85	3.0	91	29.8
OXFORD	3.38	45.3	99	3.4	95	29.5
TIBOR	2.48	54.8	110	3.5	94	31.2

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1985-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
DONALD	3.87	51.2	104	3.2	93	37.2
DUMONT	3.97	48.9	103	4.1	95	32.0
MARION	4.22	49.4	111	3.0	93	37.3
OAC WOODSTOCK	3.97	48.8	110	3.2	94	32.7
OGLE	3.84	47.7	92	2.1	92	30.8
OXFORD	3.95	46.9	105	2.4	94	31.2
TIBOR	2.75	55.1	115	2.5	93	33.8

^a No. of days from seeding to maturity

TESTING AREA III
OATS
Yield in kg per ha, 1988

CULTIVAR	Gren- ville	Dundas	Carleton	Renfrew	Lanark	Prescott	AVERAGE			RANK
							t/ha	lbs/a	bu/a	
BALDWIN	4005	5116	2251	4299	3161	4435	3.878	3451	101.5	2
DONALD	3912	4123	1486	3296	3025	3770	3.269	2909	85.6	9
NEWMAN	3773	4599	1714	3333	2920	3955	3.382	3010	88.5	7
DUMONT	4026	4529	2394	3707	2735	3675	3.511	3125	91.9	5
MARION	3901	4723	2187	3997	3102	4620	3.755	3342	98.3	3
OAC WOODSTOCK	4332	4279	2104	3254	2515	3978	3.410	3035	89.3	6
OGLE	4166	4530	2121	2902	2768	3735	3.370	2999	88.2	8
OXFORD	4423	4147	2394	3513	2937	4560	3.662	3259	95.9	4
TIBOR	3372	3217	1804	2547	2028	2575	2.591	2306	67.8	10
Q0224.5	4527	4657	2597	3912	3196	4508	3.900	3471	102.1	1
MEAN	4044	4392	2105	3476	2839	3981	3.473	3091	90.9	--
C.V.%	N.S.	9.3	11.4	9.9	9.5	12.6	--	--	--	--
L.S.D. (0.05)	15.3	592	348	501	393	725	--	--	--	--

TESTING AREA IV
OATS
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (5)*	hl/wt kg (5)	Height cm (5)	Maturity ^a days (2)	Kernel Weight g/1000 (4)	Septoria 0-9 (2)
BALDWIN	3.58	49.3	81	83	38.5	3.2
DONALD	3.13	48.6	72	80	39.8	3.9
NEWMAN	3.23	48.7	70	80	44.0	4.0
DUMONT	3.23	45.6	69	88	37.9	3.8
MARION	3.63	45.3	76	84	39.0	2.7
OAC WOODSTOCK	3.27	45.1	74	86	37.2	2.6
OGLE	3.38	43.5	65	79	35.4	2.8
OXFORD	3.28	42.6	68	89	35.9	2.4
TIBOR	2.34	51.1	78	84	33.0	2.9
QO224.5	3.87	43.7	66	85	39.1	3.9

^a No. of days from seeding to maturity

* No. of locations

AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9*	Maturity ^a days	Kernel Weight g/1000	Septoria 0-9
BALDWIN	3.76	49.2	99	3.8	89	35.2	3.6
DONALD	3.33	48.9	86	3.0	86	37.5	4.1
DUMONT	3.39	45.0	86	6.0	92	33.9	3.5
MARION	3.74	46.6	92	2.8	88	35.3	3.6
OAC WOODSTOCK	3.65	45.4	93	3.8	90	33.4	2.4
OGLE	3.51	44.4	76	1.0	85	33.5	3.2
OXFORD	3.58	43.7	87	2.1	92	31.9	2.5
TIBOR	2.54	55.1	95	1.6	88	29.9	3.4

^a No. of days from seeding to maturity

* 1987 Data Only

AGRONOMIC DATA, 1985-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9*	Maturity ^a days**	Kernel Weight g/1000
DONALD	3.86	49.9	92	2.9	93	39.0
DUMONT	3.92	46.1	90	4.4	98	35.4
MARION	4.14	47.8	99	2.9	94	39.9
OAC WOODSTOCK	4.00	46.8	97	3.3	97	35.1
OGLE	4.08	45.8	82	1.9	92	34.5
OXFORD	3.78	44.0	94	2.0	98	34.4
TIBOR	2.65	57.4	101	2.0	94	30.8

^a No. of days from seeding to maturity

* 2 Years Data Only

** 3 Years Data Only

TESTING AREA IV
OATS
Yield in kg per ha, 1988

CULTIVAR	Wellin- ton I	Welling- ton II	Welling- ton III	Perth	Bruce	AVERAGE			RANK
						t/ha	lbs/a	bu/a	
BALDWIN	2372	3181	5350	3760	3243	3.581	3187	93.7	3
DONALD	2486	2863	4730	3000	3245	3.125	2781	81.8	9
NEWMAN	2490	2895	4830	2859	3083	3.231	2876	84.6	7
DUMONT	2097	3361	4660	3224	2784	3.225	2870	84.4	8
MARION	1972	3698	5190	3800	3466	3.625	3226	94.9	2
OAC WOODSTOCK	2030	2938	4660	3480	3244	3.270	2910	85.6	6
OGLE	2288	3016	4540	3643	3391	3.376	3005	88.4	4
OXFORD	2189	3203	4390	3256	3368	3.281	2920	85.9	5
TIBOR	1566	2195	3430	2059	2423	2.335	2078	61.1	10
QO224.5	2754	3509	5360	4078	3664	3.873	3447	101.4	1
MEAN	2224	3086	4714	3316	3121	3.292	2930	86.2	--
C.V.%	11.2	10.5	9.3	11.1	13.7	--	--	--	--
L.S.D. (0.05)	363	557	600	380	443	--	--	--	--

TESTING AREA V
OATS
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (4)*	hl/wt kg (4)	Height cm (4)	Lodging 1-9 (2)	Maturity ^a days (2)	Kernel Weight g/1000 (2)
BALDWIN	3.85	47.9	81	4.0	99	31.6
DONALD	3.03	46.1	72	3.7	99	32.0
NEWMAN	3.23	46.6	70	4.7	100	32.7
DUMONT	3.60	46.9	71	5.9	100	29.8
MARION	3.98	46.6	77	4.7	99	32.9
OAC WOODSTOCK	3.59	44.0	76	3.7	99	29.8
OGLE	3.18	45.0	66	1.5	96	26.9
OXFORD	3.67	44.3	73	2.5	99	28.0
TIBOR	2.55	55.1	81	2.5	101	28.2
QO224.5	4.22	44.4	68	3.2	99	29.3

^a No. of days from seeding to maturity

* No. of locations

AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BALDWIN	3.55	46.5	91	3.5	101	30.9
DONALD	3.36	46.4	83	3.4	99	32.9
DUMONT	3.19	46.1	85	5.0	101	30.2
MARION	3.89	47.2	89	5.0	101	33.2
OAC WOODSTOCK	3.40	44.1	84	3.0	101	30.0
OGLE	3.54	45.8	78	1.4	98	28.5
OXFORD	3.49	43.4	84	3.2	102	29.0
TIBOR	2.36	54.0	96	2.1	101	28.8

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1985-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
DONALD	3.29	48.3	89	3.1	101	31.5
DUMONT	3.14	45.9	90	4.1	104	29.4
MARION	3.69	48.1	98	3.8	101	32.9
OAC WOODSTOCK	3.13	45.1	92	2.7	103	29.1
OGLE	3.72	46.2	83	1.4	99	29.3
OXFORD	3.31	43.4	91	2.4	104	27.5
TIBOR	2.21	55.4	98	2.1	103	28.5

^a No. of days from seeding to maturity

TESTING AREA V
OATS
Yield in kg per ha, 1988

CULTIVAR	Thunder Bay	Temiska- ming	Nipissing District	Parry Sound District	AVERAGE			RANK
					t/ha	lbs/a	bu/a	
BALDWIN	2921	5407	4395	2676	3.850	3427	100.8	3
DONALD	2730	3694	4088	1617	3.032	2698	79.4	9
NEWMAN	2671	4045	4415	1979	3.278	2917	85.8	7
DUMONT	2564	4872	4658	2295	3.597	3201	94.1	5
MARION	2888	5547	5063	2429	3.982	3544	104.2	2
OAC WOODSTOCK	3063	4870	3824	2610	3.592	3197	94.0	6
OGLE	2487	4864	3342	2011	3.176	2827	83.1	8
OXFORD	3099	5015	4198	2370	3.671	3267	96.1	4
TIBOR	2205	3409	2652	1949	2.554	2273	66.9	10
QO224.5	2803	5199	5863	3017	4.221	3757	110.5	1
MEAN	2743	4692	4250	2295	3.495	3111	91.5	--
C.V.%	11.9	7.2	10.3	8.7	--	--	--	--
L.S.D. (0.05)	334	360	464	214	--	--	--	--

TESTING AREA VI
OATS
AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha (1)*	hl/wt kg (2)	Height cm (2)	Lodging 1-9 (1)	Maturity ^a days (2)	Kernel Weight g/1000 (2)
BALDWIN	4.72	52.9	95	3.5	102	34.6
DONALD	4.45	51.0	74	4.0	101	34.9
NEWMAN	4.33	51.1	76	3.8	102	37.4
DUMONT	3.95	51.2	78	4.3	104	32.9
MARION	4.22	50.8	86	2.5	99	31.0
OAC WOODSTOCK	4.15	50.0	85	2.8	100	31.4
OGLE	3.94	49.6	63	1.3	98	29.6
OXFORD	4.17	49.1	78	2.3	102	32.6
TIBOR	2.51	60.2	86	2.0	99	31.8
Q0224.5	5.15	48.9	76	3.3	101	33.1

^a No. of days from seeding to maturity

* No. of locations

AGRONOMIC DATA, 1987-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
BALDWIN	3.81	52.9	96	3.7	110	32.2
DONALD	3.39	51.7	77	3.7	110	32.0
DUMONT	3.32	50.7	82	3.8	111	30.9
MARION	3.56	51.9	91	3.3	109	32.4
OAC WOODSTOCK	3.35	50.4	88	3.3	109	29.3
OGLE	3.19	50.0	68	2.5	108	28.9
OXFORD	3.51	50.0	83	2.6	110	29.4
TIBOR	2.26	59.8	91	3.0	109	30.5

^a No. of days from seeding to maturity

AGRONOMIC DATA, 1985-88

CULTIVAR	Yield t/ha	hl/wt kg	Height cm	Lodging 1-9	Maturity ^a days	Kernel Weight g/1000
DONALD	3.50	51.7	85	3.2	115	33.1
DUMONT	3.55	50.3	88	3.1	117	30.8
MARION	3.73	51.5	98	2.9	113	33.1
OAC WOODSTOCK	3.59	50.4	94	2.5	114	30.0
OGLE	3.21	49.7	75	2.0	112	29.1
OXFORD	3.60	49.8	92	2.1	115	28.6
TIBOR	2.14	59.5	94	3.5	113	29.8

^a No. of days from seeding to maturity

TESTING AREA VI
OATS
Yield in kg per ha, 1988

CULTIVAR	Cochrane	Rainy River*	AVERAGE			RANK
			t/ha	lbs/a	bu/a	
BALDWIN	4715	2671	4.715	4196	123.4	2
DONALD	4447	2013	4.447	3958	116.4	3
NEWMAN	4327	2114	4.327	3851	113.3	4
DUMONT	3949	2369	3.949	3515	103.4	8
MARION	4216	2189	4.216	3752	110.4	5
OAC WOODSTOCK	4152	2274	4.152	3695	108.7	7
OGLE	3940	2253	3.940	3507	103.1	9
OXFORD	4170	2448	4.170	3711	109.1	6
TIBOR	2510	1259	2.510	2234	65.7	10
Q0224.5	5138	2044	5.148	4582	134.8	1
MEAN	4158	2163	4.158	3701	108.8	--
C.V.%	10.5	24.0	--	--	--	--
L.S.D. (0.05)	625	212	--	--	--	--

*Data not included in mean

DESCRIPTION OF CULTIVARS IN REGIONAL TESTS, 1988

WINTER BARLEY

- Huron - A six-rowed, rough-awned Guelph selection with a higher yield and better winterhardiness than Dover. Resistant to mildew, tolerant to scald, net blotch and leaf rust. Registered in 1974.
- OAC Halton - A six-rowed, rough-awned, high yielding Guelph selection from the cross WB3-20/Purdue B466-7-4, resistant to mildew, tolerant to net blotch, susceptible to BYDV. Registered in 1979.
- OAC Acton - A six-rowed, rough-awned, high yielding Guelph selection from the cross WB74-69//WB74-69/Huron with improved scald and net blotch resistance. It is susceptible to new mildew races, tolerant to BYDV. Registered in 1984.
- OAC Elmira - A six-rowed, rough-awned, high yielding Guelph selection from the cross WB74-69//WB74-69/Huron with good scald, mildew and leaf rust resistance. Good tolerance to BYDV. Registered in 1987.

WINTER BARLEY

TESTING AREAS I & II

AGRONOMIC DATA, 1988

CULTIVAR	Yield t/ha			hl/wt kg	Height cm	Lodging 1-9	Winter Survival %
	Area I (1)*	Area II (2)	Mean (3)				
HURON	3.88	4.56	4.33	64.5	86	1.4	83
OAC HALTON	4.54	4.89	4.77	63.9	85	1.9	83
OAC ACTON	4.42	4.34	4.36	61.0	90	1.5	82
OAC ELMIRA	4.69	5.01	4.90	65.7	93	1.7	82

* No. of locations

AGRONOMIC DATA, 1985-88

CULTIVAR	Yield t/ha			hl/wt kg	Height cm	Lodging 1-9	Winter Survival %
	Area I (9)*	Area II (12)	Mean (21)				
HURON	4.13	3.89	4.01	62.9	88	2.2	83
OAC HALTON	4.78	4.29	4.54	63.9	92	3.6	86
OAC ACTON	4.74	4.29	4.52	59.8	100	3.5	84
OAC ELMIRA	4.87	4.65	4.76	63.7	100	2.9	85

* No. of locations

AGRONOMIC DATA, 1983-88

CULTIVAR	Yield t/ha			hl/wt kg	Height cm	Lodging 1-9	Winter Survival %
	Area I (14)*	Area II (21)	Mean (35)				
HURON	4.07	4.05	4.06	62.8	90	2.5	79
OAC HALTON	4.65	4.41	4.53	63.2	93	3.7	83
OAC ACTON	4.67	4.49	4.58	60.3	101	3.3	83

* No. of locations

WINTER BARLEY, 1988

TESTING AREA I, SUMMARY

CULTIVAR	Yield t/ha (1)*	hl/wt kg (2)	Winter Survival % (1)	Height cm (2)	Lodging 1-9 (1)	Date		Kernel Weight g/1000 (2)	Scald 0-9 (2)	Leaf Rust 0-9 (1)
						Head May (2)	Ripe July (1)			
HURON	3.88	64.8	85	88	1	26	6	38.1	1.5	0
OAC HALTON	4.54	64.3	83	88	1	28	8	36.1	0.5	2
OAC ACTON	4.42	61.5	88	92	1	30	9	39.4	0.0	0
OAC ELMIRA	4.69	65.7	88	97	1	28	9	33.5	0.0	0

*No. of locations

TESTING AREA II, SUMMARY

CULTIVAR	Yield t/ha (2)*	hl/wt kg (2)	Winter Survival % (2)	Height cm (3)	Lodging 1-9 (1)	Date		Kernel Weight g/1000 (2)	Mildew 0-9 (4)	Scald 0-9 (3)
						Head June (2)	Ripe July (1)			
HURON	4.56	64.2	81	84	1.8	1	1	36.2	0.2	3.5
OAC HALTON	4.89	63.4	83	82	2.8	4	4	34.8	0.0	5.3
OAC ACTON	4.34	60.4	76	88	2.0	5	6	35.5	4.7	2.4
OAC ELMIRA	5.01	65.7	76	88	2.3	3	8	31.9	0.0	1.0

*No. of locations

TESTING AREAS I & II, t/ha

CULTIVAR	AREA I	AREA II		Mean Area I & II
	Kent I	Oxford	Middlesex	
HURON	3.88	4.71	4.40	4.33
OAC HALTON	4.54	5.31	4.46	4.77
OAC ACTON	4.42	4.72	3.95	4.36
OAC ELMIRA	4.69	5.30	4.71	4.90
MEAN	4.38	5.01	4.36	4.59
C.V.%	9.0	5.8	13.1	--
L.S.D. (0.05)	.49	.36	.91	--

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
DESCRIPTION OF VARIETIES TESTED

FREDRICK:

REDCOAT (C.D.6707)/5/GENESEE/4/(WASHINGTON-1)/RIO/REX//BREVOR/3/NORIN-10/BREVOR. FROM OTTAWA RESEARCH STATION. SOFT WHITE TYPE WITH GOOD MILLING QUALITY BUT WITH A TENDENCY TO TOO HIGH GRAIN PROTEIN FOR THE BEST BAKING. MEDIUM HEIGHT VARIETY WITH MEDIUM TO GOOD LODGING RESISTANCE AND MEDIUM WINTER HARDINESS. MODERATELY RESISTANT TO LEAF RUST.

GORDON:

CD7561/GENESEE/2/CD7561/KENT/3/FREDRICK SIB/4/2 * YORKSTAR. (CD7561 WAS AN INTRODUCTION FROM FRANCE: ETOILE DE CHOISY SIB/5/ETOILE DE CHOISY/4/ORO/3/HOHENHEIMER-77//K3/MARTIN). FROM OTTAWA RESEARCH STATION. SOFT WHITE VARIETY. MEDIUM HEIGHT AND MEDIUM TO POOR LODGING RESISTANCE. TENDENCY TO LOW TEST WEIGHT. WINTER HARDINESS IS MEDIUM TO GOOD; MODERATELY SUSCEPTIBLE TO MILDEW AND LEAF RUST. OFTEN HIGHEST YIELDING VARIETY IN AREA 3.

HOUSER:

BREVOR/NORIN 10/NY/WHEAT - RYE SELECTION (44 CHROMOSOME LINE)/3/HOPE HUSSAR/YORKWIN/4/GENESEE//CI12658/ALASKAN/3/AVON. DEVELOPED AT CORNELL UNIVERSITY, ITHACA, NEW YORK, MARKETED IN CANADA BY W.G. THOMPSON AND SONS LTD. HIGH YIELDING, SOFT, WHITE, BEARDED TYPE, WITH GOOD MILLING AND BAKING QUALITY. SHORT HEIGHT WITH GOOD LODGING RESISTANCE, WINTER HARDINESS AND DISEASE RESISTANCE, BUT WITH A TENDENCY FOR LOW TEST WEIGHT.

AUGUSTA:

GENESEE/REDCOAT, A2747//YORKSTAR. DEVELOPED AT MICHIGAN STATE UNIVERSITY, CROP SCIENCE DEPT., EAST LANSING, MICHIGAN, MARKETED IN CANADA BY W.G. THOMPSON AND SONS LTD. HIGH YIELDING, SOFT WHITE VARIETY WITH GOOD MILLING AND BAKING QUALITY. MEDIUM HEIGHT. BETTER STRAW STRENGTH THAN FREDRICK.

FRANKENMUTH:

NORIN 10/BREVOR 14/YORKWIN/3/2* GENESEE, A3141/4/GENESEE *3/REDCOAT, A5115. DEVELOPED AT MICHIGAN STATE UNIVERSITY, CROP SCIENCE DEPT., EAST LANSING, MICHIGAN; MARKETED IN CANADA BY KING AGRO LTD. MEDIUM HEIGHT, BEARDLESS, AND BROWN CHAFFED. ONE DAY LATER THAN FREDRICK. SELECTED FOR HESSIAN FLY AND LEAF RUST RESISTANCE. RELATIVELY LOW PROTEIN CONTENT BUT HIGH TEST WEIGHT.

HARUS:

FREDRICK/YORKSTAR - FROM AGRICULTURE CANADA HARROW RESEARCH STATION. HIGH YIELDING, SOFT WHITE, WITH FAIR MILLING AND GOOD BAKING QUALITY. SHORT, LODGING RESISTANT, EARLY LESS SUSCEPTIBLE TO SPROUTING THAN MOST, SOME RESISTANCE TO WHEAT SPINDLE STREAK MOSAIC. TEST WEIGHT COMPARABLE TO FRANKENMUTH.

ENA:

FREDRICK/HOUSER - FROM AGRICULTURE CANADA HARROW RESEARCH STATION. BEARDED SOFT WHITE VARIETY WITH ACCEPTABLE QUALITY. HIGH YIELDING IN AREAS WITH MORE THAN 2900 HEAT UNITS, OF MEDIUM HEIGHT AND WITH REASONABLE LODGING RESISTANCE. SUPERIOR TO OTHER RECOMMENDED VARIETIES IN SCAB AND LEAF RUST RESISTANCE.

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

INDEX

ENTRY AND TRIAL DETAILS
 OVERALL SUMMARIES
 INDIVIDUAL TRAIT SUMMARIES
 INDIVIDUAL TRIAL SUMMARIES

TRAIT ABBREVIATIONS

YLD	YIELD (T/HA;1 T/HA = 14.87 BU/AC)
TSTW	TEST WEIGHT (KG/HL;1 KG/HL = 0.801 LB/BU)
KW	KERNEL WEIGHT (MG)
SUR	SURVIVAL (%)
LOG	LODGING
HGT	HEIGHT (CM)
HDT	HEADING (DAYS FROM JAN 1)
MIL	MILDEW
LRS	LEAF RUST
SEP	SEPTORIA
GLB	GLUME BLOTCH
HBL	HEAD BLIGHT (DISEASED HEADS/100)
SSM	SPINDLE STREAK MOSAIC VIRUS
BYD	BARLEY YELLOW DWARF VIRUS

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

LOCATIONS ABBREVIATIONS

AC	AILS A CRAIG
BH	BATH
DI	DELHI
EA	ELORA
HW	HARROW
ID	INWOOD
KE	KEMPTVILLE
KN	KIPPEN
LN	LONDON
MN	MALDEN
MH	MORPETH
NN	NAIRN
O1	OTTAWA-1
O2	OTTAWA-2
RW	RENFREW
RN	RIDGETOWN
WE	WOODSLEE
WK	WOODSTOCK

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

YEAR(S) : 85-88
 MGMT(S) : NORMAL
 AREA : 1

CULTIVAR NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9		0-9	0-9
1 FREDRICK	7	4.30	76.2	35	99	1.4	100	150	2.2	3.5	.2	.5	1.4	.	.
2 GORDON	6	4.32	72.2	33	99	2.9	94	152	2.8	5.3	.3	.7	1.2	.	.
3 HOUSER	4	4.53	71.8	36	99	2.7	90	151	2.1	4.7	.3	.5	1.8	.	.
4 AUGUSTA	1	4.74	73.1	34	100	1.5	96	152	2.5	3.5	.3	1.2	2.9	.	.
5 FRANKENMUTH	5	4.45	75.4	34	100	1.9	95	152	2.3	4.5	.3	1.5	3.3	.	.
6 HARUS	3	4.60	75.5	35	99	1.0	92	150	1.9	4.3	.2	.7	1.0	.	.
7 ENA	2	4.67	74.2	34	100	1.6	95	151	2.6	3.4	.3	.5	.8	.	.
LOCATIONS		18	13	9	2	8	17	14	8	10	2	1	5	0	0

YEAR(S) : 85-88
 MGMT(S) : NORMAL
 AREA : 2

CULTIVAR NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9		0-9	0-9
1 FREDRICK	6	4.64	76.5	37	85	1.2	100	154	2.9	3.0	3.4	2.0	.	.	3.0
2 GORDON	4	4.90	72.9	36	85	2.4	94	155	3.7	6.4	3.5	2.0	.	.	2.0
3 HOUSER	2	5.00	73.0	38	74	1.4	88	155	2.0	3.2	3.7	2.0	.	.	2.0
4 AUGUSTA	1	5.05	74.0	38	89	1.3	95	156	3.6	3.8	3.8	2.0	.	.	2.0
5 FRANKENMUTH	5	4.88	75.6	37	82	1.7	95	156	2.4	4.2	3.7	2.0	.	.	2.0
6 HARUS	3	4.93	75.3	38	88	.9	87	153	1.9	3.3	3.3	2.0	.	.	2.0
7 ENA	7	4.54	76.6	38	91	1.1	96	155	2.3	2.4	3.6	2.0	.	.	2.0
LOCATIONS		16	12	5	4	6	15	10	10	5	5	1	0	0	0

YEAR(S) : 85-88
 MGMT(S) : NORMAL
 AREA : 3

CULTIVAR NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	BYD
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9		0-9	0-9
1 FREDRICK	6	4.78	82.6	39	88	.5	100	158	4.0	4.0	.	.	.	.	.
2 GORDON	3	5.11	78.8	39	89	.8	96	158	4.0	3.0	.	.	.	.	.
3 HOUSER	2	5.34	77.6	42	93	1.0	93	158	4.0	4.0	.	.	.	.	.
4 AUGUSTA	1	5.46	79.0	39	91	.5	100	158	4.0	2.0	.	.	.	.	.
5 FRANKENMUTH	4	5.08	79.4	38	89	.6	97	158	5.0	3.0	.	.	.	.	.
6 HARUS	5	5.07	80.9	39	86	.5	94	157	1.0	3.0	.	.	.	.	.
7 ENA	7	4.70	81.4	38	91	.5	96	158	3.0	2.0	.	.	.	.	.
LOCATIONS		11	10	5	4	6	9	8	1	1	0	0	0	0	0

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

TRAIT : YIELD
 YEAR(S) : 85-88
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	MN85N	WE85N	RN85N	DI85N	MN86N	WE86N	ID86N	RN86N	MH86N	DI86N
1 FREDRICK	3.53	6.70	5.91	3.33	5.47	3.32	2.80	3.49	3.88	2.99
2 GORDON	3.60	6.47	6.32	3.45	4.59	2.92	2.21	2.76	3.51	3.77
3 HOUSER	3.73	6.85	6.60	3.66	4.82	3.09	3.02	3.22	3.88	3.88
4 AUGUSTA	3.88	7.16	6.97	4.07	5.21	3.10	2.96	3.11	4.07	4.27
5 FRANKENMUTH	3.21	6.23	6.44	3.74	4.79	2.87	3.00	3.13	3.99	3.68
6 HARUS	3.62	6.84	6.31	3.47	5.84	3.57	3.57	3.76	4.22	3.06
7 ENA	3.80	6.93	6.64	3.88	5.26	3.79	3.33	3.93	4.59	3.29
LOCATION MEAN	3.62	6.74	6.46	3.66	5.14	3.24	2.98	3.34	4.02	3.56

CULTIVAR NAME	HW87N	ID87N	MH87N	RN87N	HW88N	WE88N	RN88N	ID88N	MEAN
1 FREDRICK	3.07	4.50	4.35	5.48	4.04	4.51	5.45	4.61	4.30
2 GORDON	3.32	4.55	3.92	5.71	5.16	4.72	6.23	4.60	4.32
3 HOUSER	3.11	3.92	3.29	5.67	5.43	5.20	6.93	5.24	4.53
4 AUGUSTA	3.58	4.79	4.83	6.02	4.99	5.05	6.35	4.93	4.74
5 FRANKENMUTH	3.33	4.31	4.44	5.57	5.53	4.81	6.06	4.89	4.45
6 HARUS	3.46	4.69	5.01	5.62	4.31	4.87	5.76	4.85	4.60
7 ENA	3.79	4.10	4.17	5.74	4.79	4.93	5.92	5.21	4.67
LOCATION MEAN	3.38	4.41	4.29	5.69	4.89	4.87	6.10	4.90	4.52

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
YEAR(S): 85-88
AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	MN85N	WE85N	RN85N	DI85N	MN86N	WE86N	ID86N	RN86N	MH86N	DI86N
1 FREDRICK	97.	99.	92.	91.	106.	103.	94.	104.	97.	84.
2 GORDON	99.	96.	98.	94.	89.	90.	74.	83.	87.	106.
3 HOUSER	103.	102.	102.	100.	94.	95.	101.	96.	97.	109.
4 AUGUSTA	107.	106.	108.	111.	101.	96.	99.	93.	101.	120.
5 FRANKENMUTH	89.	92.	100.	102.	93.	89.	101.	94.	99.	103.
6 HARUS	100.	101.	98.	95.	114.	110.	120.	112.	105.	86.
7 ENA	105.	103.	103.	106.	102.	117.	112.	118.	114.	92.
LOCATION MEAN	3.62	6.74	6.46	3.66	5.14	3.24	2.98	3.34	4.02	3.56

CULTIVAR NAME	HW87N	ID87N	MH87N	RN87N	HW88N	WE88N	RN88N	ID88N	MEAN
1 FREDRICK	91.	102.	101.	96.	83.	93.	89.	94.	95.
2 GORDON	98.	103.	91.	100.	105.	97.	102.	94.	95.
3 HOUSER	92.	89.	77.	100.	111.	107.	114.	107.	100.
4 AUGUSTA	106.	109.	113.	106.	102.	104.	104.	101.	105.
5 FRANKENMUTH	99.	98.	104.	98.	113.	99.	99.	100.	98.
6 HARUS	102.	106.	117.	99.	88.	100.	94.	99.	103.
7 ENA	112.	93.	97.	101.	98.	101.	97.	106.	104.
LOCATION MEAN	3.38	4.41	4.29	5.69	4.89	4.87	6.10	4.90	4.52

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

TRAIT : YIELD
 YEAR(S): 85-88
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	KN85N	AC85N	LN85N	WK85N	EA85N	BH85N	AC86N	LN86N	AC87N	LN87N
1 FREDRICK	4.74	6.54	5.61	6.36	6.46	5.24	5.02	4.03	2.10	2.90
2 GORDON	5.48	6.26	5.77	6.54	6.84	5.93	4.76	3.48	2.31	3.63
3 HOUSER	4.96	6.65	6.10	6.54	7.25	6.03	5.09	3.46	2.10	3.26
4 AUGUSTA	4.90	6.70	6.10	7.08	7.23	5.66	5.46	3.30	2.35	3.41
5 FRANKENMUTH	5.10	6.33	5.92	7.14	6.47	5.61	5.06	3.62	1.96	3.11
6 HARUS	5.04	6.46	6.09	7.15	6.53	5.43	5.46	4.08	2.42	2.83
7 ENA	4.49	6.39	5.58	5.58	6.25	5.16	5.22	3.69	2.10	3.26
LOCATION MEAN	4.96	6.48	5.88	6.63	6.72	5.58	5.15	3.67	2.19	3.20

CULTIVAR NAME	WK87N	BH87N	EA88N	WK88N	NN88N	LN88N	MEAN
1 FREDRICK	4.79	3.66	4.16	4.85	4.22	3.49	4.64
2 GORDON	4.08	3.33	5.20	6.36	4.71	3.79	4.90
3 HOUSER	3.79	3.46	5.60	6.57	5.26	3.90	5.00
4 AUGUSTA	5.06	3.71	5.30	6.03	4.75	3.76	5.05
5 FRANKENMUTH	4.61	3.58	5.22	5.87	4.71	3.83	4.88
6 HARUS	5.75	2.67	4.81	5.45	4.56	4.16	4.93
7 ENA	3.91	3.67	4.95	4.31	4.38	3.74	4.54
LOCATION MEAN	4.57	3.44	5.03	5.63	4.66	3.81	4.85

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
YEAR(S): 85-88
AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	KN85N	AC85N	LN85N	WK85N	EA85N	BH85N	AC86N	LN86N	AC87N	LN87N
1 FREDRICK	96.	101.	95.	96.	96.	94.	97.	110.	96.	91.
2 GORDON	111.	97.	98.	99.	102.	106.	92.	95.	105.	113.
3 HOUSER	100.	103.	104.	99.	108.	108.	99.	94.	96.	102.
4 AUGUSTA	99.	103.	104.	107.	108.	101.	106.	90.	107.	107.
5 FRANKENMUTH	103.	98.	101.	108.	96.	101.	98.	99.	89.	97.
6 HARUS	102.	100.	104.	108.	97.	97.	106.	111.	110.	88.
7 ENA	91.	99.	95.	84.	93.	92.	101.	101.	96.	102.
LOCATION MEAN	4.96	6.48	5.88	6.63	6.72	5.58	5.15	3.67	2.19	3.20

CULTIVAR NAME	WK87N	BH87N	EA88N	WK88N	NN88N	LN88N	MEAN
1 FREDRICK	105.	106.	83.	86.	91.	92.	96.
2 GORDON	89.	97.	103.	113.	101.	99.	101.
3 HOUSER	83.	101.	111.	117.	113.	102.	102.
4 AUGUSTA	111.	108.	105.	107.	102.	99.	104.
5 FRANKENMUTH	101.	104.	104.	104.	101.	101.	100.
6 HARUS	126.	78.	96.	97.	98.	109.	102.
7 ENA	86.	107.	98.	76.	94.	98.	95.
LOCATION MEAN	4.57	3.44	5.03	5.63	4.66	3.81	4.85

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

TRAIT : YIELD
 YEAR(S) : 85-88
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	O185N	KE85N	RW85N	O186N	KE86N	KE87N	O187N	O287N	RW87N	O188N
1 FREDRICK	6.32	3.50	3.73	5.73	5.50	4.96	5.13	5.92	4.74	3.92
2 GORDON	7.09	4.80	3.00	6.09	6.10	4.96	4.84	5.61	4.94	5.00
3 HOUSER	7.64	6.10	3.12	6.34	5.80	5.90	4.62	5.44	4.46	5.23
4 AUGUSTA	7.36	5.80	3.62	6.61	6.10	5.38	5.40	5.88	5.49	5.05
5 FRANKENMUTH	6.95	5.40	3.65	5.40	6.10	4.44	5.07	5.27	4.95	4.99
6 HARUS	6.84	5.10	3.77	5.86	5.80	4.73	5.49	6.25	4.83	4.08
7 ENA	7.06	3.70	3.32	5.57	5.00	5.28	4.48	5.69	4.74	4.07
LOCATION MEAN	7.04	4.91	3.46	5.94	5.77	5.09	5.00	5.72	4.88	4.62

CULTIVAR NAME	KE88N	MEAN
1 FREDRICK	3.12	4.78
2 GORDON	3.81	5.11
3 HOUSER	4.07	5.34
4 AUGUSTA	3.39	5.46
5 FRANKENMUTH	3.63	5.08
6 HARUS	3.00	5.07
7 ENA	2.80	4.70
LOCATION MEAN	3.40	5.08

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
YEAR(S) : 85-88
AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	O185N	KE85N	RW85N	O186N	KE86N	KE87N	O187N	O287N	RW87N	O188N
1 FREDRICK	90.	71.	108.	96.	95.	97.	103.	103.	97.	85.
2 GORDON	101.	98.	87.	102.	106.	97.	97.	98.	101.	108.
3 HOUSER	109.	124.	90.	107.	100.	116.	92.	95.	91.	113.
4 AUGUSTA	105.	118.	105.	111.	106.	106.	108.	103.	113.	109.
5 FRANKENMUTH	99.	110.	106.	91.	106.	87.	101.	92.	101.	108.
6 HARUS	97.	104.	109.	99.	100.	93.	110.	109.	99.	88.
7 ENA	100.	75.	96.	94.	87.	104.	90.	99.	97.	88.
LOCATION MEAN	7.04	4.91	3.46	5.94	5.77	5.09	5.00	5.72	4.88	4.62

CULTIVAR NAME	KE88N	MEAN
1 FREDRICK	92.	94.
2 GORDON	112.	101.
3 HOUSER	120.	105.
4 AUGUSTA	100.	107.
5 FRANKENMUTH	107.	101.
6 HARUS	88.	100.
7 ENA	82.	92.
LOCATION MEAN	3.40	5.08

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

YEAR : 88
 MGMT(S) : NORMAL
 AREA : 1

CULTIVAR 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	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	4.65	77.0	31	.	1.0	99	152	2.5	2.0	.	.	5.0	.	.
2 GORDON	5	5.18	73.3	34	.	2.0	94	153	3.0	4.0	.	.	4.0	.	.
3 HOUSER	1	5.70	71.1	38	.	2.0	87	153	2.0	5.0	.	.	7.0	.	.
4 AUGUSTA	2	5.33	71.3	32	.	1.0	94	153	2.5	3.0	.	.	10.0	.	.
5 FRANKENMUTH	3	5.32	75.9	33	.	2.0	94	154	2.0	2.0	.	.	13.0	.	.
6 HARUS	6	4.95	75.7	32	.	1.0	91	151	2.5	3.0	.	.	3.0	.	.
7 ENA	4	5.21	76.5	32	.	1.0	93	153	2.5	4.0	.	.	3.0	.	.
LOCATIONS		4	3	3	0	1	4	4	2	1	0	0	1	0	0

YEAR : 88
 MGMT(S) : NORMAL
 AREA : 2

CULTIVAR 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	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	4.18	72.6	33	89	1.0	105	159	3.2	3.0	3.8	2.0	.	.	3.0
2 GORDON	2	5.02	69.9	33	93	2.5	96	160	2.8	4.0	3.8	2.0	.	.	2.0
3 HOUSER	1	5.33	70.6	37	89	1.5	89	160	2.2	2.0	4.1	2.0	.	.	2.0
4 AUGUSTA	3	4.96	71.9	34	93	1.5	95	160	3.9	5.0	4.5	2.0	.	.	2.0
5 FRANKENMUTH	4	4.91	74.6	34	93	2.0	98	160	2.0	3.0	4.1	2.0	.	.	2.0
6 HARUS	5	4.74	71.4	33	92	1.0	95	157	2.0	3.0	3.9	2.0	.	.	2.0
7 ENA	6	4.35	74.8	34	92	1.0	99	159	2.1	3.0	4.3	2.0	.	.	2.0
LOCATIONS		4	3	1	2	2	4	3	4	1	3	1	0	0	0

YEAR : 88
 MGMT(S) : NORMAL
 AREA : 3

CULTIVAR 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	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	6	3.52	82.8	35	83	.	91	161	.	.	.	.	.	.	.
2 GORDON	2	4.40	81.1	38	86	.	87	161	.	.	.	.	.	.	.
3 HOUSER	1	4.65	80.6	43	93	.	81	160	.	.	.	.	.	.	.
4 AUGUSTA	4	4.22	81.6	38	89	.	88	161	.	.	.	.	.	.	.
5 FRANKENMUTH	3	4.31	83.1	38	85	.	87	161	.	.	.	.	.	.	.
6 HARUS	5	3.54	81.1	34	79	.	82	159	.	.	.	.	.	.	.
7 ENA	7	3.43	82.3	35	86	.	86	160	.	.	.	.	.	.	.
LOCATIONS		2	2	1	2	0	2	2	0	0	0	0	0	0	0

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

TRAIT : YIELD
 YEAR : 88
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	HW88N	WE88N	RN88N	ID88N	MEAN
1 FREDRICK	4.04	4.51	5.45	4.61	4.65
2 GORDON	5.16	4.72	6.23	4.60	5.18
3 HOUSER	5.43	5.20	6.93	5.24	5.70
4 AUGUSTA	4.99	5.05	6.35	4.93	5.33
5 FRANKENMUTH	5.53	4.81	6.06	4.89	5.32
6 HARUS	4.31	4.87	5.76	4.85	4.95
7 ENA	4.79	4.93	5.92	5.21	5.21
LOCATION MEAN	4.89	4.87	6.10	4.90	5.19

DATA EXPRESSED RELATIVE TO LOCATION MEANS

CULTIVAR NAME	HW88N	WE88N	RN88N	ID88N	MEAN
1 FREDRICK	83.	93.	89.	94.	90.
2 GORDON	105.	97.	102.	94.	100.
3 HOUSER	111.	107.	114.	107.	110.
4 AUGUSTA	102.	104.	104.	101.	103.
5 FRANKENMUTH	113.	99.	99.	100.	103.
6 HARUS	88.	100.	94.	99.	95.
7 ENA	98.	101.	97.	106.	101.
LOCATION MEAN	4.89	4.87	6.10	4.90	5.19

ONTARIO REGIONAL;FALL WHITE WHEAT 1988

TRAIT : YIELD
 YEAR : 88
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	EA88N	WK88N	NN88N	LN88N	MEAN
1 FREDRICK	4.16	4.85	4.22	3.49	4.18
2 GORDON	5.20	6.36	4.71	3.79	5.02
3 HOUSER	5.60	6.57	5.26	3.90	5.33
4 AUGUSTA	5.30	6.03	4.75	3.76	4.96
5 FRANKENMUTH	5.22	5.87	4.71	3.83	4.91
6 HARUS	4.81	5.45	4.56	4.16	4.74
7 ENA	4.95	4.31	4.38	3.74	4.35
LOCATION MEAN	5.03	5.63	4.66	3.81	4.78

DATA EXPRESSED RELATIVE TO LOCATION MEANS

CULTIVAR NAME	EA88N	WK88N	NN88N	LN88N	MEAN
1 FREDRICK	83.	86.	91.	92.	88.
2 GORDON	103.	113.	101.	99.	104.
3 HOUSER	111.	117.	113.	102.	111.
4 AUGUSTA	105.	107.	102.	99.	103.
5 FRANKENMUTH	104.	104.	101.	101.	102.
6 HARUS	96.	97.	98.	109.	100.
7 ENA	98.	76.	94.	98.	92.
LOCATION MEAN	5.03	5.63	4.66	3.81	4.78

ONTARIO REGIONAL; FALL WHITE WHEAT 1988

TRAIT : YIELD
 YEAR : 88
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	O188N	KE88N	MEAN
1 FREDRICK	3.92	3.12	3.52
2 GORDON	5.00	3.81	4.40
3 HOUSER	5.23	4.07	4.65
4 AUGUSTA	5.05	3.39	4.22
5 FRANKENMUTH	4.99	3.63	4.31
6 HARUS	4.08	3.00	3.54
7 ENA	4.07	2.80	3.43
LOCATION MEAN	4.62	3.40	4.01

DATA EXPRESSED RELATIVE TO LOCATION MEANS

CULTIVAR NAME	O188N	KE88N	MEAN
1 FREDRICK	85.	92.	88.
2 GORDON	108.	112.	110.
3 HOUSER	113.	120.	116.
4 AUGUSTA	109.	100.	104.
5 FRANKENMUTH	108.	107.	107.
6 HARUS	88.	88.	88.
7 ENA	88.	82.	85.
LOCATION MEAN	4.62	3.40	4.01

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - HARROW
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	4.04	76.7	27	.	.	92	148	.	.	.	.	5.0	.	.
2 GORDON	3	5.16	71.4	30	.	.	88	150	.	.	.	.	4.0	.	.
3 HOUSER	2	5.43	67.3	33	.	.	83	150	.	.	.	.	7.0	.	.
4 AUGUSTA	4	4.99	68.0	28	.	.	91	150	.	.	.	.	10.0	.	.
5 FRANKENMUTH	1	5.53	74.1	29	.	.	91	151	.	.	.	.	13.0	.	.
6 HARUS	6	4.31	76.4	27	.	.	84	148	.	.	.	.	3.0	.	.
7 ENA	5	4.79	74.9	29	.	.	85	150	.	.	.	.	3.0	.	.
MEANS		4.89	72.7	29	.	.	88	149	.	.	.	.	6.3	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - WOODSLEE
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	4.51	76.4	28	.	.	91	151	.	.	.	.	.	.	.
2 GORDON	6	4.72	73.2	33	.	.	91	152	.	.	.	.	.	.	.
3 HOUSER	1	5.20	72.2	39	.	.	81	152	.	.	.	.	.	.	.
4 AUGUSTA	2	5.05	72.3	30	.	.	87	152	.	.	.	.	.	.	.
5 FRANKENMUTH	5	4.81	76.7	33	.	.	83	153	.	.	.	.	.	.	.
6 HARUS	4	4.87	75.0	33	.	.	83	150	.	.	.	.	.	.	.
7 ENA	3	4.93	77.3	32	.	.	87	152	.	.	.	.	.	.	.
MEANS		4.87	74.7	32	.	.	186	52	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - RIDGETOWN
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	5.45	77.8	38	.	.	108	154	2.0	.	.	.	.	.	.
2 GORDON	3	6.23	75.2	39	.	.	101	155	1.0	.	.	.	.	.	.
3 HOUSER	1	6.93	73.7	41	.	.	93	154	1.0	.	.	.	.	.	.
4 AUGUSTA	2	6.35	73.7	38	.	.	102	155	1.0	.	.	.	.	.	.
5 FRANKENMUTH	4	6.06	76.8	38	.	.	103	155	1.0	.	.	.	.	.	.
6 HARUS	6	5.76	75.6	37	.	.	103	153	2.0	.	.	.	.	.	.
7 ENA	5	5.92	77.4	36	.	.	100	154	1.0	.	.	.	.	.	.
MEANS		6.10	75.7	38	.	.	101	154	1.2	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - INWOOD
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	6	4.61	.	.	.	1.0	106	.	.	.	.	.	.	.	.
2 GORDON	7	4.60	.	.	.	2.0	96	.	.	.	.	.	.	.	.
3 HOUSER	1	5.24	.	.	.	2.0	90	.	.	.	.	.	.	.	.
4 AUGUSTA	3	4.93	.	.	.	1.0	97	.	.	.	.	.	.	.	.
5 FRANKENMUTH	4	4.89	.	.	.	2.0	98	.	.	.	.	.	.	.	.
6 HARUS	5	4.85	.	.	.	1.0	94	.	.	.	.	.	.	.	.
7 ENA	2	5.21	.	.	.	1.0	98	.	.	.	.	.	.	.	.
MEANS		4.90	.	.	.	1.3	97	.	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - MORPETH
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	155	3.0	2.0	.	.	.	.	.
2 GORDON	156	5.0	4.0	.	.	.	.	.
3 HOUSER	155	3.0	5.0	.	.	.	.	.
4 AUGUSTA	156	4.0	3.0	.	.	.	.	.
5 FRANKENMUTH	156	3.0	2.0	.	.	.	.	.
6 HARUS	153	3.0	3.0	.	.	.	.	.
7 ENA	155	4.0	4.0	.	.	.	.	.
MEANS	155	3.4	3.2	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - NAIRN
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	4.22	74.4	33	.	1.0	100	156	3.0	3.0	4.0	2.0	.	.	3.0
2 GORDON	3	4.71	71.3	33	.	3.0	90	157	3.0	4.0	3.0	2.0	.	.	2.0
3 HOUSER	1	5.26	71.5	37	.	1.0	83	158	2.0	2.0	4.0	2.0	.	.	2.0
4 AUGUSTA	2	4.75	72.2	34	.	2.0	90	157	4.0	5.0	5.0	2.0	.	.	2.0
5 FRANKENMUTH	3	4.71	74.3	34	.	2.0	93	157	3.0	3.0	4.0	2.0	.	.	2.0
6 HARUS	5	4.56	73.2	33	.	1.0	88	156	2.0	3.0	4.0	2.0	.	.	2.0
7 ENA	6	4.38	75.5	34	.	1.0	93	157	2.0	3.0	4.0	2.0	.	.	2.0
MEANS		4.65	73.2	34	.	1.4	91	157	2.6	3.2	3.9	1.9	.	.	2.1

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - LONDON
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	3.49	.	.	.	1.0	108	.	3.0	.	.	.	.	.	.
2 GORDON	4	3.79	.	.	.	2.0	97	.	3.0	.	.	.	.	.	.
3 HOUSER	2	3.90	.	.	.	2.0	92	.	3.0	.	.	.	.	.	.
4 AUGUSTA	5	3.76	.	.	.	1.0	102	.	5.0	.	.	.	.	.	.
5 FRANKENMUTH	3	3.83	.	.	.	2.0	105	.	2.0	.	.	.	.	.	.
6 HARUS	1	4.16	.	.	.	1.0	101	.	3.0	.	.	.	.	.	.
7 ENA	6	3.74	.	.	.	1.0	103	.	2.0	.	.	.	.	.	.
MEANS		3.81	.	.	.	1.3	101	.	2.9	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - WOODSTOCK
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	6	4.85	72.3	.	.	.	112	156	2.3	.	4.0	.	.	.	.
2 GORDON	2	6.36	67.4	.	.	.	105	157	2.3	.	4.3	.	.	.	.
3 HOUSER	1	6.57	69.9	.	.	.	95	157	1.2	.	4.3	.	.	.	.
4 AUGUSTA	3	6.03	72.3	.	.	.	103	158	2.5	.	4.3	.	.	.	.
5 FRANKENMUTH	4	5.87	74.8	.	.	.	107	158	2.2	.	4.0	.	.	.	.
6 HARUS	5	5.45	68.6	.	.	.	98	154	2.0	.	4.0	.	.	.	.
7 ENA	7	4.31	74.8	.	.	.	107	157	2.2	.	4.5	.	.	.	.
MEANS		5.63	71.4	.	.	.	104	156	2.0	.	4.1	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - ELORA
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	4.16	71.1	.	89	.	98	165	4.3	.	3.3	.	.	.	.
2 GORDON	4	5.20	71.1	.	93	.	90	165	2.8	.	4.0	.	.	.	.
3 HOUSER	1	5.60	70.5	.	89	.	85	165	2.5	.	4.0	.	.	.	.
4 AUGUSTA	2	5.30	71.1	.	93	.	85	164	4.0	.	4.3	.	.	.	.
5 FRANKENMUTH	3	5.22	74.8	.	93	.	85	165	1.0	.	4.3	.	.	.	.
6 HARUS	6	4.81	72.3	.	92	.	93	162	1.0	.	3.8	.	.	.	.
7 ENA	5	4.95	74.2	.	92	.	93	164	2.3	.	4.3	.	.	.	.
MEANS		5.03	72.1	.	91	.	90	164	2.4	.	3.8	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - OTTAWA-1
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
	RK	T/HA													
1 FREDRICK	7	3.92	83.5	.	91	.	83	158	.	.	.	.	.	.	.
2 GORDON	3	5.00	82.7	.	89	.	83	160	.	.	.	.	.	.	.
3 HOUSER	1	5.23	82.8	.	94	.	81	159	.	.	.	.	.	.	.
4 AUGUSTA	2	5.05	83.6	.	91	.	87	160	.	.	.	.	.	.	.
5 FRANKENMUTH	4	4.99	84.7	.	91	.	89	159	.	.	.	.	.	.	.
6 HARUS	5	4.08	82.7	.	84	.	80	158	.	.	.	.	.	.	.
7 ENA	6	4.07	84.0	.	91	.	81	159	.	.	.	.	.	.	.
MEANS		4.62	83.4	.	90	.	83	159	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL;FALL WHITE WHEAT 1988
 LOCATION - KEMPTVILLE
 MANAGEMENT - NORMAL

CULTIVAR NAME	YIELD		TSTW	KW	SUR	LOG	HT	HD	MIL	LRS	SEP	GLB	HBL	SSM	BYD
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9		0-9	0-9
1 FREDRICK	5	3.12	82.0	35	74	.	98	163	.	.	.	.	.	.	.
2 GORDON	2	3.81	79.5	38	83	.	90	161	.	.	.	.	.	.	.
3 HOUSER	1	4.07	78.4	43	91	.	81	161	.	.	.	.	.	.	.
4 AUGUSTA	4	3.39	79.5	38	86	.	89	161	.	.	.	.	.	.	.
5 FRANKENMUTH	3	3.63	81.5	38	78	.	85	163	.	.	.	.	.	.	.
6 HARUS	6	3.00	79.5	34	73	.	84	160	.	.	.	.	.	.	.
7 ENA	7	2.80	80.5	35	80	.	90	161	.	.	.	.	.	.	.
MEANS		3.40	80.1	37	81	.	88	161	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL PERFORMANCE TEST
FALL TRITICALE 1988

DESCRIPTION OF VARIETIES TESTED

- OAC DECADE - Guelph selection from cross MaA//274/320/3/line 17680. High yielding, short variety with good winter survival and good resistance to stem rust, leaf rust and powdery mildew. Liscenced in 1984; tested as GWT-3.
- OAC TRILLIUM - Guelph selection from the topcross GC4-441. High yielding, intermediate height line with good lodging resistance, good winter survival, and good test weight. Has good resistance to stem rust, leaf rust, powdery mildew, and BYDV. Liscenced in 1988; tested as GWT-8.

ONTARIO REGIONAL PERFORMANCE TEST
FALL TRITICALE 1988

DESCRIPTION OF VARIETIES TESTED

AREA 1 MEANS 1984-1988
AREA 2 MEANS 1984-1988
AREA 3 MEANS 1984-1988
PROVINCIAL MEANS 1984-1988
RIDGETOWN DATA 1988
NAIRN DATA 1988
ELORA DATA 1988
LISTOWEL DATA 1988
OTTAWA DATA 1988
PROVINCIAL MEANS 1988

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
HT - HEIGHT (CM)
HD - HEADING
MIL - MILDEW
LRS - LEAF RUST

ONTARIO REGIONAL PERFORMANCE TEST
FALL TRITICALE 1988

MEAN YIELDS 1984-88 (5 YRS.)

CULTIVAR	YEAR	AREA 1		AREA 11		AREA 111		PROV.	
		T/HA	RANK	T/HA	RANK	T/HA	RANK	T/HA	RANK
OAC DECADE	1984	3.65	2	4.52	2	4.38	2	4.18	2
	1985	6.77	2	5.97	2	7.60	1	6.78	2
	1986	3.90	2	4.50	2	4.50	2	4.30	2
	1987	3.57	2	NO DATA		5.48	2	4.53	2
	1988	3.02	2	3.20	2	3.94	2	3.39	2
5 YEAR MEAN		4.18	2	4.55*	2	5.18	2	4.64	2
OAC TRILLIUM	1984	4.46	1	5.63	1	5.43	1	5.17	1
	1985	6.85	1	7.21	1	7.60	1	7.22	1
	1986	4.60	1	5.20	1	6.30	1	5.37	1
	1987	5.14	1	NO DATA		5.51	1	5.33	1
	1988	3.06	1	3.74	1	4.35	1	3.89	1
5 YEAR MEAN		4.82	1	5.45*	1	5.84	1	5.40	1

* 4 YEAR MEAN

DATA WERE OBTAINED FROM THE FOLLOWING LOCATIONS :

1. AREA 1. 1984 RIDGETOWN AND DELHI.
1985 RIDGETOWN
1986 RIDGETOWN
1987 RIDGETOWN
1988 RIDGETOWN
2. AREA 11. 1984 BEETON, ELORA, WOODSTOCK, AND MIDHURST.
1985 ELORA AND LISTOWEL.
1986 WOODSTOCK AND LISTOWEL.
1987 NO DATA AVAILABLE.
1988 ELORA, NAIRN, LISTOWEL.
3. AREA 111. 1984 OTTAWA AND KEMPTVILLE.
1985 KEMPTVILLE
1986 KEMPTVILLE
1987 KEMPTVILLE
1988 OTTAWA

ONTARIO REGIONAL PERFORMANCE TEST
FALL TRITICALE 1988

RIDGETOWN

KEY CULTIVAR #		YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HT CM	HD	MIL 0-9	LRS 0-9
1	OAC DECADE	3.02	.	.	100	2	116	153	0	0
2	OAC TRILLIUM	3.06	.	.	100	2	124	153	0	0
MEAN		3.04	.	.	100	2	120	153	0	0

NAIRN

KEY CULTIVAR #		YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HT CM	HD *	MIL 0-9	LRS 0-9
1	OAC DECADE	3.95	.	.	.	4	110	155	.	.
2	OAC TRILLIUM	4.54	.	.	.	1	125	155	.	.
MEAN		4.25	.	.	.	3	118	155	.	.

ELORA

KEY CULTIVAR #		YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HT CM	HD *	MIL 0-9	LRS 0-9
1	OAC DECADE	2.01	.	.	88	5	98	159	0	0
2	OAC TRILLIUM	2.43	.	.	84	0	115	158	0	0
MEAN		2.22	.	.	86	0	107	159	0	0

1. * DAYS FROM JAN.1
2. A HIGH SCORE IS UNDESIRABLE IN LODGING AND DISEASE RATINGS.
3. PROVINCIAL AVERAGES WERE BASED ON DATA FROM RIDGETOWN, NAIRN, ELORA, LISTOWEL, AND OTTAWA.

ONTARIO REGIONAL PERFORMANCE TEST
FALL TRITICALE 1988 CONT.

LISTOWEL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HT CM	HD *	MIL 0-9	LRS 0-9
1 OAC DECADE	3.64	60.9	26	100	2.3	100	159	.	.
2 OAC TRILLIUM	4.24	69.1	35	98	1.3	115	159	.	.
MEAN	3.94	65.0	31	99	1.8	108	159	.	.

OTTAWA

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HT CM	HD *	MIL 0-9	LRS 0-9
1 OAC DECADE	3.94	73.1	.	97	1	98	154	.	.
2 OAC TRILLIUM	4.35	73.5	.	99	1	112	154	.	.
MEAN	4.15	73.3	.	98	1	105	154	.	.

PROVINCE

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HT CM	HD *	MIL 0-9	LRS 0-9
1 OAC DECADE	3.31	67.0	26	96	2.0	104	156	0	0
2 OAC TRILLIUM	3.72	71.3	35	95	1.1	118	156	0	0
MEAN	3.52	69.1	31	96	1.5	111	156	0	0

1. * DAYS FROM JAN.1
2. A HIGH SCORE IS UNDESIRABLE IN LODGING AND DISEASE RATINGS.
3. PROVINCIAL AVERAGES WERE BASED ON DATA FROM RIDGETOWN, NAIRN, ELORA, LISTOWEL, AND OTTAWA.

CO-OPERATORS AND LOCATIONS OF REGIONAL TESTS, 1988

Testing area	County or District	Co-operators	Crops					
			Oats	Barley	Wheat	Winter Barley	Winter Triticale	
I	Kent I	Ridgetown C.A.T. Ridgetown, Ont.	x	x	x	x	x	
	Kent II	W.G. Thompson and Sons Ltd., Morpeth, Ont.				x		
	Lambton	Ridgetown C.A.T., Ont. (Inwood)	x	x	x			
	Essex I	HW = Harrow Research Station, Agriculture Canada			x			
	Essex II	WE = Woodslee Soil Substation, Agriculture Canada			x			
II	Oxford	WK = Crop Science Dept. OAC, Woodstock Res. Sta. Woodstock, Ontario	x	x	x			
	Huron I	W.G. Thompson & Sons Ltd., Winthrop, Ontario	x	x				
	Huron II	CA Research Farms Ltd., Blyth, Ontario	x	x				
	Wellington I	EA = Crop Science Dept., OAC, Elora			x	x	x	
	Hastings	G & C Donnan, R.R. #2, Stirling, Ontario	x	x				
	Middlesex I	NN = W.G. Thompson & Sons Ltd., Nairn, Ont.	x	x	x	x	x	
	Middlesex II	LN = W. Laidlaw, R.R. #7, London, Ontario			x			
	Durham West	G. Mustard, R.R. #2, Uxbridge, Ontario	x	x				
	Durham East	T. Malcain, R.R. #2, Janetville, Ontario	x	x				
	Victoria	R. Millen, R.R. #1, Omeme, Ontario	x	x				
	Perth	King Agro, Listowel, Ontario			x	x	x	

CO-OPERATORS AND LOCATIONS OF REGIONAL TESTS, 1988 (cont'd)

Testing area	County or District	Co-operators	Crops			
			Oats	Barley	Winter Wheat	Winter Triticale
III	Stormont, Dundas & Glengarry Grenville Carleton Renfrew Lanark Prescott & Russell	Kemptonville C.A.T., Winchester, Ontario Kemptonville C.A.T., Kemptonville, Ontario Agriculture Canada, P.R.C., Ottawa, Ontario B. Dick, R.R. #1, Douglas, Ontario C. Proc. Pakenham, Ontario Alfred College of Agriculture & Food Tech., Alfred, Ont.	x	x		
			x	x	x	
			x	x		x
			x	x		
			x			
			x			
			x			
IV	Wellington I Wellington II Wellington III Perth Bruce	Crop Science Dept., O.A.C., Elora Research Station D. Ghent, R.R. #6, Mount Forest, Ontario C. & M. Seed Sales Inc., Palmerston, Ontario King Agro, Listowel, Ontario King Agro, Chesley, Ontario	x	x	x	
			x	x		x
			x	x		
			x	x		
			x	x		
V	Temiskaming Thunder Bay Nipissing-District Parry Sound District	New Liskeard C.A.T., New Liskeard, Ont. Agriculture Canada, Exp. Farm, Thunder Bay, Ont. New Liskeard C.A.T., New Liskeard, Ont. New Liskeard C.A.T., New Liskeard, Ont.	x	x		
			x	x		
			x			
			x			
VI	Cochrane Rainy River	Agriculture Canada, Exp. Farm, Kapuskasing, Ont. New Liskeard C.A.T., New Liskeard, Ont.	x	x		
			x	x		

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88

YEAR : 88
 MGMT(S): NORMAL
 AREA : 4

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	4.16	76.8	41	99	.	87	158	2.0	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	5.57	76.2	47	100	.	94	152	2.0	.	.	.	.	.	.
3 PERLO;M-4-2	4.70	76.3	41	78	.	87	156	2.0	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK-16	5.45	78.1	45	99	.	96	152	1.0	.	.	.	.	.	.
5 ABSOLVENT	5.00	78.2	45	97	.	88	152	3.0	.	.	.	.	.	.
6 ODESSA-4	4.78	76.8	45	94	.	95	153	.0	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-1/P	4.84	77.9	41	92	.	97	154	1.0	.	.	.	.	.	.
8 FUNDULEA(F29-76);AU	5.74	76.6	42	100	.	94	153	.0	.	.	.	.	.	.
9 SIOUXLAND	5.40	76.3	37	100	.	95	151	.0	.	.	.	.	.	.
10 KA85-10	5.73	78.4	42	97	.	94	153	1.0	.	.	.	.	.	.
11 W10;M-4-4	2.78	72.1	47	62	.	77	158	.0	.	.	.	.	.	.
12 URBAN	3.95	75.2	40	83	.	78	159	.0	.	.	.	.	.	.
13 LOVRIN-32	5.22	77.9	49	91	.	80	151	1.0	.	.	.	.	.	.
14 ODESSKAYA-51	5.53	78.2	44	100	.	94	152	1.0	.	.	.	.	.	.
15 NE-78414	5.27	75.8	38	99	.	94	151	2.0	.	.	.	.	.	.
16 TXGH-2875	5.80	78.0	43	99	.	85	148	.0	.	.	.	.	.	.
17 ORBITA	5.53	76.8	49	97	.	97	153	2.0	.	.	.	.	.	.
18 TW84BU039;FRC/PBI	5.75	77.6	43	100	.	90	152	2.0	.	.	.	.	.	.
19 RECTOR;M-6-4	3.50	73.3	36	76	.	81	154	1.0	.	.	.	.	.	.
20 BERNINA;M-6-6	5.11	73.9	41	94	.	85	157	.0	.	.	.	.	.	.
21 SADONA;M-6-7	5.24	75.0	42	89	.	82	157	.0	.	.	.	.	.	.
22 H-F29-17;AURORA/RIL	5.91	77.8	39	94	.	80	154	.0	.	.	.	.	.	.
23 H-F29-14;AURORA/RIL	5.85	77.7	39	100	.	80	153	.0	.	.	.	.	.	.
24 H-F29-18;AURORA/RIL	5.89	77.3	41	99	.	80	153	.0	.	.	.	.	.	.
25 H-F29-12;AURORA/RIL	5.89	77.7	40	98	.	80	153	.0	.	.	.	.	.	.
LOCATIONS	2	1	1	2	0	2	2	1	0	0	0	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR : 88
 MGMT(S): NORMAL
 AREA : 2

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	4.13	76.5	36	92	.	86	163	6.6	.	4.6	3.0	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.74	73.5	39	93	.	96	145	4.7	.	3.9	3.0	.	.	.
3 PERLO;M-4-2	3.91	76.8	34	81	.	86	149	3.1	.	3.8	2.0	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.58	78.5	38	93	.	93	146	5.6	.	4.9	2.0	.	.	.
5 ABSOLVENT	4.35	78.5	38	92	.	86	146	6.2	.	5.1	3.0	.	.	.
6 ODESSA-4	4.35	78.2	41	93	.	92	147	.6	.	3.8	3.0	.	.	.
7 KARAT;M-4-3;BEZ-1/P	3.84	77.5	36	86	.	94	149	2.4	.	4.1	3.0	.	.	.
8 FUNDULEA(F29-76);AU	4.86	76.3	34	89	.	87	147	1.2	.	4.4	2.0	.	.	.
9 SIOUXLAND	4.37	76.6	31	87	.	95	145	.7	.	4.3	2.0	.	.	.
10 KA85-10	4.05	77.7	35	88	.	90	148	4.3	.	4.8	2.0	.	.	.
11 W10;M-4-4	2.64	70.2	37	55	.	74	151	2.3	.	3.3	2.0	.	.	.
12 URBAN	3.87	74.0	30	84	.	74	165	2.3	.	3.8	3.0	.	.	.
13 LOVRIN-32	4.28	76.1	38	88	.	76	144	4.9	.	4.7	3.0	.	.	.
14 ODESSKAYA-51	4.50	78.4	38	93	.	91	145	4.6	.	4.2	2.0	.	.	.
15 NE-78414	4.30	75.1	32	87	.	88	144	5.0	.	4.7	2.0	.	.	.
16 TXGH-2875	3.91	74.9	34	84	.	74	144	.8	.	3.6	1.0	.	.	.
17 ORBITA	4.76	76.2	40	95	.	94	149	4.6	.	4.4	3.0	.	.	.
18 TW84BU039;FRC/PBI	4.71	75.4	34	93	.	86	148	5.3	.	4.5	2.0	.	.	.
19 RECTOR;M-6-4	3.27	72.1	31	78	.	74	168	3.2	.	4.1	2.0	.	.	.
20 BERNINA;M-6-6	3.82	73.4	34	86	.	81	153	.9	.	3.4	3.0	.	.	.
21 SADONA;M-6-7	3.62	73.6	33	73	.	73	152	4.1	.	3.2	2.0	.	.	.
22 H-F29-17;AURORA/RIL	4.73	76.2	36	78	.	76	136	.5	.	3.7	2.0	.	.	.
23 H-F29-14;AURORA/RIL	4.73	76.1	34	80	.	77	136	.5	.	3.7	2.0	.	.	.
24 H-F29-18;AURORA/RIL	4.86	76.1	35	87	.	78	137	.5	.	3.8	2.0	.	.	.
25 H-F29-12;AURORA/RIL	4.75	75.8	35	78	.	71	137	1.0	.	3.5	2.0	.	.	.
LOCATIONS	4	4	2	3	0	4	4	3	0	4	1	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR : 88
 MGMT(S): NORMAL
 AREA : 3

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	2.01	84.1	59	61	.	79	165	.	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	3.99	82.3	53	86	.	91	159	.	.	.	.	.	.	.
3 PERLO;M-4-2	2.11	84.0	41	47	.	84	163	.	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.00	84.9	42	91	.	90	161	.	.	.	.	.	.	.
5 ABSOLVENT	3.01	84.5	40	83	.	84	161	.	.	.	.	.	.	.
6 ODESSA-4	3.33	83.3	45	78	.	90	161	.	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-1/P	2.99	84.8	41	79	.	93	162	.	.	.	.	.	.	.
8 FUNDULEA(F29-76);AU	3.28	84.2	59	81	.	90	161	.	.	.	.	.	.	.
9 SIOUXLAND	3.43	83.6	34	82	.	89	157	.	.	.	.	.	.	.
10 KA85-10	2.85	84.8	40	70	.	91	161	.	.	.	.	.	.	.
11 W10;M-4-4	.84	81.8	44	26	.	77	164	.	.	.	.	.	.	.
12 URBAN	1.94	82.8	39	54	.	74	163	.	.	.	.	.	.	.
13 LOVRIN-32	3.30	84.0	45	74	.	76	160	.	.	.	.	.	.	.
14 ODESSKAYA-51	3.91	84.7	40	89	.	90	158	.	.	.	.	.	.	.
15 NE-78414	3.28	82.1	34	79	.	85	157	.	.	.	.	.	.	.
16 TXGH-2875	2.43	81.2	40	79	.	76	155	.	.	.	.	.	.	.
17 ORBITA	3.80	83.0	44	91	.	90	160	.	.	.	.	.	.	.
18 TW84BU039;FRC/PBI	4.01	83.1	38	89	.	83	158	.	.	.	.	.	.	.
19 RECTOR;M-6-4	2.21	82.2	.	68	.	72	163	.	.	.	.	.	.	.
20 BERNINA;M-6-6	2.88	83.9	.	70	.	73	162	.	.	.	.	.	.	.
21 SADONA;M-6-7	3.84	84.6	.	89	.	76	162	.	.	.	.	.	.	.
22 H-F29-17;AURORA/RIL	2.79	84.5	.	76	.	65	161	.	.	.	.	.	.	.
23 H-F29-14;AURORA/RIL	3.21	83.9	.	81	.	69	160	.	.	.	.	.	.	.
24 H-F29-18;AURORA/RIL	3.56	83.9	.	83	.	71	160	.	.	.	.	.	.	.
25 H-F29-12;AURORA/RIL	3.71	84.1	.	88	.	72	160	.	.	.	.	.	.	.
LOCATIONS	2	2	1	2	0	2	2	0	0	0	0	0	0	0

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88

YEAR : 88
 MGMT(S): NORMAL
 AREA(S): 1- 4

pcc

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
<i>check</i> -1R MONOPOL	3.61	78.7	43	85	.	84	162	5.4	.	4.6	3.0	.	.	.
2 ✓ MJ-50; ARTEMOVKA/BEZ	4.76	76.4	45	93	.	94	150	4.0	.	3.9	3.0	.	.	.
3 ✓ PERLO; M-4-2	3.66	78.8	38	71	.	85	154	2.8	.	3.8	2.0	.	.	.
4 ✓ PRIBOY; BEZ-1/ODK-16	4.65	80.3	41	94	.	93	151	4.4	.	4.9	2.0	.	.	.
<i>check</i> 5R ABSOLVENT	4.18	80.2	40	91	.	86	151	5.4	.	5.1	3.0	.	.	.
6 ✓ ODESSA-4	4.20	79.4	43	89	.	92	152	.4	.	3.8	3.0	.	.	.
7 ✓ KARAT; M-4-3; BEZ-1/P	3.88	79.7	38	86	.	95	153	2.1	.	4.1	3.0	.	.	.
8 FUNDULEA (F29-76); AU	4.69	78.6	42	90	.	89	152	.9	.	4.4	2.0	.	.	.
9 SIouxLAND	4.39	78.6	33	89	.	93	149	.6	.	4.3	2.0	.	.	.
10 ✓ KA85-10	4.17	79.8	38	85	.	91	152	3.5	.	4.8	2.0	.	.	.
11 W10; M-4-4	2.23	72.9	41	49	.	76	156	1.7	.	3.3	2.0	.	.	.
12 ✓ URBAN	3.40	76.7	35	75	.	75	163	1.7	.	3.8	3.0	.	.	.
13 LOVRIN-32	4.27	78.6	43	85	.	77	150	3.9	.	4.7	3.0	.	.	.
14 ✓ ODESSKAYA-51	4.61	80.2	40	94	.	92	150	3.7	.	4.2	2.0	.	.	.
15 NE-78414	4.29	77.2	34	88	.	89	149	4.3	.	4.7	2.0	.	.	.
16 TXGH-2875	4.01	77.1	38	87	.	77	148	.6	.	3.6	1.0	.	.	.
17 ✓ ORBITA	4.72	78.2	43	94	.	94	152	4.0	.	4.4	3.0	.	.	.
18 ✓ TW84BU039; FRC/PBI	4.79	77.9	37	94	.	86	151	4.5	.	4.5	2.0	.	.	.
19 RECTOR; M-6-4	3.18	74.0	32	76	.	76	163	2.7	.	4.1	2.0	.	.	.
20 ✓ BERNINA; M-6-6	4.05	75.3	36	86	.	81	155	.7	.	3.4	3.0	.	.	.
21 ✓ SADONA; M-6-7	4.11	75.7	36	81	.	76	155	3.1	.	3.2	2.0	.	.	.
22 H-F29-17; AURORA/RIL	4.81	78.7	38	86	.	75	148	.3	.	3.7	2.0	.	.	.
23 H-F29-14; AURORA/RIL	4.87	78.4	37	90	.	77	147	.3	.	3.7	2.0	.	.	.
24 H-F29-18; AURORA/RIL	5.01	78.3	38	92	.	77	148	.3	.	3.8	2.0	.	.	.
25 H-F29-12; AURORA/RIL	5.00	78.4	38	91	.	75	148	.7	.	3.5	2.0	.	.	.
LOCATIONS	8	7	4	7	0	8	8	4	0	4	1	0	0	0

14, 15, 16, 17
 KAB-8
 KAB-9
 Disp
 centry
 Perlo → need seed from Minas Co-op

*Ont. perf.
 17 entries
 ↓
 conv. + int.*

*conventional management
 N- 90 + 60
 | |
 early flag on
 } for both screening + perf.*

*intensive mgmt. → { 120 + 60
 | |
 early flag on*

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 87-88
 MGMT(S): NORMAL
 AREA : 1

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.61	75.8	41	99	.	87	156	4.0	.	2.0	.	.2	.	.
2 MJ-50;ARTEMOVKA/BEZ	5.00	76.8	47	100	.	95	150	4.0	.	3.0	.	1.1	.	.
3 PERLO;M-4-2	4.05	77.4	41	78	.	89	153	3.0	.	3.0	.	.1	.	.
4 PRIBOY;BEZ-1/ODK-16	4.90	78.6	45	99	.	95	151	3.0	.	3.0	.	.8	.	.
5 ABSOLVENT	4.20	78.4	45	97	.	86	151	4.5	.	4.0	.	.7	.	.
6 ODESSA-4	4.50	76.2	45	94	.	96	151	2.5	.	3.0	.	.3	.	.
7 KARAT;M-4-3;BEZ-1/P	4.56	76.7	41	92	.	98	152	1.5	.	2.0	.	.3	.	.
8 FUNDULEA(F29-76);AU	5.23	77.3	42	100	.	87	151	.5	.	3.0	.	.1	.	.
9 SIOUXLAND	5.15	77.1	37	100	.	96	149	1.0	.	3.0	.	.0	.	.
10 KA85-10	4.94	78.1	42	97	.	94	151	1.5	.	4.0	.	.3	.	.
11 W10;M-4-4	3.48	74.1	47	62	.	82	155	1.0	.	4.0	.	.8	.	.
12 URBAN	3.70	70.7	40	83	.	76	156	.5	.	3.0	.	.0	.	.
13 LOVRIN-32	4.60	78.1	49	91	.	80	150	2.5	.	3.0	.	.8	.	.
14 ODESSKAYA-51	5.05	78.8	44	100	.	93	149	2.0	.	3.0	.	.2	.	.
15 NE-78414	4.95	76.9	38	99	.	94	149	4.0	.	2.0	.	.2	.	.
16 TXGH-2875	5.11	77.8	43	99	.	83	146	.5	.	2.0	.	.0	.	.
17 ORBITA	4.96	76.8	49	97	.	95	151	3.0	.	4.0	.	.2	.	.
18 TW84BU039;FRC/PBI	5.24	78.1	43	100	.	89	150	4.0	.	2.0	.	.3	.	.
LOCATIONS	5	2	1	2	0	4	4	2	0	1	0	1	0	0

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88

YEAR(S): 87-88
 MGMT(S): NORMAL
 AREA : 2

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.83	77.7	39	85	.0	84	162	6.2	.	4.6	3.0	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.30	74.9	42	91	1.0	90	148	4.5	.	3.9	3.0	.	.	.
3 PERLO;M-4-2	3.60	77.8	38	78	.0	85	151	3.1	.	3.8	2.0	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.10	79.3	40	90	4.0	88	148	4.9	.	4.9	2.0	.	.	.
5 ABSOLVENT	3.71	79.1	40	86	3.0	82	149	5.9	.	5.1	3.0	.	.	.
6 ODESSA-4	3.92	78.3	42	90	.0	88	149	.7	.	3.8	3.0	.	.	.
7 KARAT;M-4-3;BEZ-1/P	3.52	78.5	38	85	.0	95	151	2.1	.	4.1	3.0	.	.	.
8 FUNDULEA(F29-76);AU	4.29	77.2	36	89	.0	81	149	1.6	.	4.4	2.0	.	.	.
9 SIOUXLAND	3.90	77.3	33	86	.0	90	147	.8	.	4.3	2.0	.	.	.
10 KA85-10	3.62	78.5	38	87	.0	88	150	3.5	.	4.8	2.0	.	.	.
11 W10;M-4-4	2.85	72.7	38	62	.0	77	153	2.0	.	3.3	2.0	.	.	.
12 URBAN	3.58	75.1	32	73	.0	72	163	2.2	.	3.8	3.0	.	.	.
13 LOVRIN-32	4.07	77.1	41	82	.0	73	147	4.4	.	4.7	3.0	.	.	.
14 ODESSKAYA-51	3.93	79.2	39	86	6.0	88	147	4.0	.	4.2	2.0	.	.	.
15 NE-78414	4.08	76.2	34	86	.0	85	147	4.3	.	4.7	2.0	.	.	.
16 TXGH-2875	3.42	75.9	35	85	.0	69	146	.9	.	3.6	1.0	.	.	.
17 ORBITA	4.22	76.7	42	90	2.0	90	150	4.2	.	4.4	3.0	.	.	.
18 TW84BU039;FRC/PBI	4.36	76.8	36	92	.0	82	150	4.8	.	4.5	2.0	.	.	.
LOCATIONS	6	5	3	5	1	6	6	4	0	4	1	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 87-88
 MGMT(S): NORMAL
 AREA : 3

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.45	84.8	55	73	1.0	87	162	.	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.92	84.1	54	90	3.5	92	156	.	.	.	.	.	.	.
3 PERLO;M-4-2	3.66	85.3	47	62	2.5	90	159	.	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.53	86.6	49	93	5.5	91	158	.	.	.	.	.	.	.
5 ABSOLVENT	3.82	85.7	47	87	3.0	86	158	.	.	.	.	.	.	.
6 ODESSA-4	4.36	84.9	48	85	3.0	93	158	.	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-1/P	4.06	85.8	47	85	1.5	97	159	.	.	.	.	.	.	.
8 FUNDULEA(F29-76);AU	4.74	86.1	55	87	1.0	88	157	.	.	.	.	.	.	.
9 SIOUXLAND	4.13	84.5	40	86	4.0	92	155	.	.	.	.	.	.	.
10 KA85-10	3.91	85.4	43	79	2.5	94	158	.	.	.	.	.	.	.
11 W10;M-4-4	3.40	84.6	47	49	1.5	87	161	.	.	.	.	.	.	.
12 URBAN	3.38	84.4	44	68	1.0	82	162	.	.	.	.	.	.	.
13 LOVRIN-32	4.34	85.9	49	81	2.0	80	157	.	.	.	.	.	.	.
14 ODESSKAYA-51	4.27	86.3	46	91	6.0	92	156	.	.	.	.	.	.	.
15 NE-78414	4.33	84.2	41	85	4.0	89	155	.	.	.	.	.	.	.
16 TXGH-2875	3.90	83.4	46	85	3.0	80	153	.	.	.	.	.	.	.
17 ORBITA	4.78	84.8	49	93	3.5	93	157	.	.	.	.	.	.	.
18 TW84BU039;FRC/PBI	4.80	82.3	38	92	2.0	82	156	.	.	.	.	.	.	.
LOCATIONS	5	4	2	3	2	4	4	0	0	0	0	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 87-88
 MGMT(S): NORMAL
 AREA(S): 1- 4

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.64	79.9	45	84	.7	86	160	5.5	.	4.1	3.0	.2	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.71	78.6	47	92	2.7	92	151	4.3	.	3.7	3.0	1.1	.	.
3 PERLO;M-4-2	3.76	80.4	41	73	1.7	88	154	3.0	.	3.7	2.0	.1	.	.
4 PRIBOY;BEZ-1/ODK-16	4.49	81.8	44	93	5.0	91	152	4.3	.	4.6	2.0	.8	.	.
5 ABSOLVENT	3.90	81.4	43	88	3.0	84	152	5.5	.	4.9	3.0	.7	.	.
6 ODESSA-4	4.24	80.3	45	89	2.0	92	152	1.3	.	3.7	3.0	.3	.	.
7 KARAT;M-4-3;BEZ-1/P	4.01	80.8	42	87	1.0	96	154	1.9	.	3.7	3.0	.3	.	.
8 FUNDULEA(F29-76);AU	4.72	80.5	43	91	.7	85	152	1.3	.	4.2	2.0	.1	.	.
9 SIOUXLAND	4.36	79.9	36	89	2.7	92	150	.9	.	4.1	2.0	.0	.	.
10 KA85-10	4.12	80.9	40	87	1.7	91	153	2.8	.	4.7	2.0	.3	.	.
11 W10;M-4-4	3.22	77.0	43	58	1.0	81	156	1.6	.	3.4	2.0	.8	.	.
12 URBAN	3.56	77.7	37	74	.7	76	161	1.6	.	3.6	3.0	.0	.	.
13 LOVRIN-32	4.32	80.5	45	84	1.3	77	151	3.8	.	4.4	3.0	.8	.	.
14 ODESSKAYA-51	4.39	81.7	42	90	6.0	91	150	3.3	.	4.0	2.0	.2	.	.
15 NE-78414	4.43	79.2	37	88	2.7	89	150	4.2	.	4.2	2.0	.2	.	.
16 TXGH-2875	4.10	79.0	40	88	2.0	76	148	.8	.	3.3	1.0	.0	.	.
17 ORBITA	4.62	79.7	46	93	3.0	92	152	3.8	.	4.3	3.0	.2	.	.
18 TW84BU039;FRC/PBI	4.77	78.7	38	94	1.3	84	151	4.5	.	4.0	2.0	.3	.	.
LOCATIONS	16	11	6.	10	3	14	14	6	0	5	1	1	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 86-88
 MGMT(S): NORMAL
 AREA : 1

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.12	71.6	41	99	1.0	90	153	5.0	4.2	2.0	.	4.1	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.62	75.3	47	100	2.0	97	149	4.0	.8	3.0	.	5.3	.	.
3 PERLO;M-4-2	3.77	76.5	41	85	2.0	93	153	2.7	.6	3.0	.	1.3	.	.
4 PRIBOY;BEZ-1/ODK-16	4.57	77.6	45	99	2.0	96	150	2.7	.7	3.0	.	2.3	.	.
5 ABSOLVENT	3.82	77.0	45	98	1.0	89	150	4.7	.6	4.0	.	1.2	.	.
6 ODESSA-4	4.29	76.1	45	96	1.0	97	150	2.0	.0	3.0	.	3.7	.	.
LOCATIONS	7	3	1	3	1	6	5	3	2	1	0	2	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 86-88
 MGMT(S): NORMAL
 AREA : 2

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.82	76.7	38	85	.0	85	162	6.2	4.0	4.5	3.0	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.39	74.9	42	91	1.0	90	148	4.5	1.5	4.5	3.0	.	.	.
3 PERLO;M-4-2	3.76	77.5	39	78	.0	87	152	2.9	1.5	4.5	2.0	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.20	78.7	41	90	4.0	89	149	4.6	1.0	5.4	2.0	.	.	.
5 ABSOLVENT	3.79	78.3	41	86	3.0	83	149	5.5	1.0	5.3	3.0	.	.	.
6 ODESSA-4	4.07	77.5	43	90	.0	90	150	.8	1.5	4.5	3.0	.	.	.
LOCATIONS	7	6	4	5	1	7	7	5	1	5	1	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 86-88
 MGMT(S): NORMAL
 AREA : 3

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.60	82.5	55	77	1.0	87	162	8.0	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	5.25	82.7	54	91	3.0	93	156	4.5	.	.	.	.	.	.
3 PERLO;M-4-2	3.96	84.1	47	69	2.0	90	159	3.5	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.76	84.9	49	93	4.0	91	157	3.0	.	.	.	.	.	.
5 ABSOLVENT	4.08	84.1	47	88	2.3	86	158	5.5	.	.	.	.	.	.
6 ODESSA-4	4.77	83.9	48	87	2.3	93	157	1.0	.	.	.	.	.	.
LOCATIONS	6	5	2	4	3	5	5	1	0	0	0	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 86-88
 MGMT(S): NORMAL
 AREA(S): 1- 4

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.51	77.7	43	86	.8	87	159	6.0	4.1	4.1	3.0	4.1	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.73	77.8	46	93	2.4	93	151	4.3	1.0	4.3	3.0	5.3	.	.
3 PERLO;M-4-2	3.82	79.7	41	77	1.6	90	154	2.9	.9	4.2	2.0	1.3	.	.
4 PRIBOY;BEZ-1/ODK-16	4.50	80.7	44	93	3.6	92	152	3.8	.8	5.0	2.0	2.3	.	.
5 ABSOLVENT	3.89	80.1	43	89	2.2	86	152	5.2	.7	5.1	3.0	1.2	.	.
6 ODESSA-4	4.36	79.5	44	90	1.6	93	152	1.2	.5	4.2	3.0	3.7	.	.
LOCATIONS	20	14	7	12	5	18	17	9	3	6	1	2	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR : 88
 MGMT(S): INTENSIVE
 AREA(S): 1- 4

KEY	NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1	MONOPOL	3.88	75.0	37	96	1.0	78	113	1.0	.	5.5	2.0	.	.	.
2	MJ-50;ARTEMOVKA/BEZ	5.10	74.4	41	97	1.0	85	109	2.0	.	4.5	2.0	.	.	.
3	PERLO;M-4-2	4.32	76.8	37	86	1.0	81	111	2.0	.	4.0	2.0	.	.	.
4	PRIBOY;BEZ-1/ODK-16	4.82	76.9	40	94	2.0	82	108	2.0	.	5.0	2.0	.	.	.
5	ABSOLVENT	4.45	77.5	39	95	1.0	77	109	3.0	.	4.5	2.0	.	.	.
6	ODESSA-4	4.39	76.5	41	94	1.0	83	109	.0	.	4.5	2.0	.	.	.
7	KARAT;M-4-3;BEZ-1/P	4.34	76.8	37	91	1.0	82	111	1.0	.	4.5	2.0	.	.	.
8	FUNDULEA(F29-76);AU	4.88	76.9	36	96	1.0	80	108	.0	.	5.0	2.0	.	.	.
9	SIOUXLAND	4.88	76.3	33	93	3.0	83	107	.0	.	4.5	2.0	.	.	.
10	KA85-10	4.61	77.4	38	95	1.0	80	109	1.0	.	5.5	2.0	.	.	.
11	W10;M-4-4	2.86	71.5	39	62	1.0	76	95	.0	.	4.0	2.0	.	.	.
12	URBAN	3.80	73.8	33	85	1.0	71	115	.0	.	4.5	2.0	.	.	.
13	LOVRIN-32	4.49	76.5	42	93	1.0	70	107	1.0	.	6.0	2.0	.	.	.
14	ODESSKAYA-51	4.82	78.0	39	97	1.0	81	107	2.0	.	5.0	2.0	.	.	.
15	NE-78414	4.78	75.6	34	93	5.0	78	107	1.0	.	4.5	2.0	.	.	.
16	TXGH-2875	4.57	76.1	37	92	1.0	67	104	.0	.	4.5	2.0	.	.	.
17	ORBITA	4.99	76.5	44	96	1.0	81	109	2.0	.	5.0	2.0	.	.	.
18	TW84BU039;FRC/PBI	5.00	76.5	39	95	1.0	80	108	2.0	.	5.5	2.0	.	.	.
LOCATIONS		4	3	3	3	1	4	4	1	0	2	1	0	0	0



ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 87-88
 MGMT(S): INTENSIVE
 AREA(S): 1- 4

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.68	75.3	39	80	.5	77	136	1.0	.	5.5	1.6	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.56	76.0	46	89	4.0	80	131	2.0	.	4.5	1.5	.	.	.
3 PERLO;M-4-2	3.96	77.5	40	72	.5	78	133	2.0	.	4.0	1.5	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.44	76.0	42	80	3.0	78	131	2.0	.	5.0	1.3	.	.	.
5 ABSOLVENT	3.85	77.9	42	79	.5	72	131	3.0	.	4.5	1.5	.	.	.
6 ODESSA-4	4.13	76.7	45	83	.5	78	131	.0	.	4.5	1.5	.	.	.
7 KARAT;M-4-3;BEZ-1/P	4.17	78.3	41	82	.5	83	133	1.0	.	4.5	1.5	.	.	.
8 FUNDULEA(F29-76);AU	4.45	77.7	39	84	.5	74	131	.0	.	5.0	1.5	.	.	.
9 SIOUXLAND	4.45	76.9	37	81	1.5	79	128	.0	.	4.5	1.5	.	.	.
10 KA85-10	4.23	78.1	41	85	.5	80	131	1.0	.	5.5	1.4	.	.	.
11 W10;M-4-4	3.50	74.2	42	68	.5	76	129	.0	.	4.0	1.5	.	.	.
LOCATIONS	9	7	7	7	2	9	8	1	0	2	2	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

YEAR(S): 86-88
 MGMT(S): INTENSIVE
 AREA(S): 1- 4

KEY NAME/PEDIGREE	YILD T/HA	TSTW K/HL	KW MG	SUR %	LOG 1-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB	HBL 0-9	SSM 0-9	BYD 0-9
1 MONOPOL	3.53	74.2	39	83	.7	80	138	.5	.0	5.5	1.6	.	.	.
2 MJ-50;ARTEMOVKA/BEZ	4.59	76.0	46	90	3.0	81	133	1.0	.0	4.5	1.5	.	.	.
3 PERLO;M-4-2	3.96	76.9	40	76	.7	79	135	1.0	.0	4.0	1.5	.	.	.
4 PRIBOY;BEZ-1/ODK-16	4.40	75.7	42	83	2.7	79	133	1.0	.0	5.0	1.3	.	.	.
5 ABSOLVENT	3.82	77.5	42	82	.7	73	134	1.5	.0	4.5	1.5	.	.	.
6 ODESSA-4	4.13	76.7	45	83	.5	78	131	.0	.	4.5	1.5	.	.	.
LOCATIONS	10	8	7	8	3	10	9	2	1	2	2	0	0	0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : YIELD
 YEAR : 88
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	WE88N	RN88N	MEAN
1	MONOPOL	3.81	4.52	4.16
2	MJ-50;ARTEM	4.63	6.50	5.57
3	PERLO;M-4-2	3.71	5.70	4.70
4	PRIBOY;BEZ-	4.73	6.18	5.45
5	ABSOLVENT	4.49	5.51	5.00
6	ODESSA-4	3.87	5.69	4.78
7	KARAT;M-4-3	4.54	5.14	4.84
8	FUNDULEA(F2	4.93	6.55	5.74
9	SIOUXLAND	4.98	5.83	5.40
10	KA85-10	4.97	6.49	5.73
11	W10;M-4-4	2.36	3.20	2.78
12	URBAN	3.39	4.52	3.95
13	LOVRIN-32	4.49	5.95	5.22
14	ODESSKAYA-5	4.91	6.16	5.53
15	NE-78414	4.10	6.45	5.27
16	TXGH-2875	5.06	6.53	5.80
17	ORBITA	4.82	6.25	5.53
18	TW84BU039;F	4.94	6.56	5.75
19	RECTOR;M-6-	3.14	3.86	3.50
20	BERNINA;M-6	4.56	5.66	5.11
21	SADONA;M-6-	4.55	5.94	5.24
22	H-F29-17;AU	5.05	6.78	5.91
23	H-F29-14;AU	5.00	6.69	5.85
24	H-F29-18;AU	4.92	6.87	5.89
25	H-F29-12;AU	5.12	6.66	5.89
	MEAN	4.44	5.85	5.15

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : YIELD
 YEAR : 88
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME/PED	WE88N	RN88N	MEAN
1 MONOPOL	86.	77.	81.
2 MJ-50;ARTEM	104.	111.	108.
3 PERLO;M-4-2	84.	97.	91.
4 PRIBOY;BEZ-	106.	106.	106.
5 ABSOLVENT	101.	94.	97.
6 ODESSA-4	87.	97.	93.
7 KARAT;M-4-3	102.	88.	94.
8 FUNDULEA(F2	111.	112.	112.
9 SIOUXLAND	112.	100.	105.
10 KA85-10	112.	111.	111.
11 W10;M-4-4	53.	55.	54.
12 URBAN	76.	77.	77.
13 LOVRIN-32	101.	102.	101.
14 ODESSKAYA-5	111.	105.	108.
15 NE-78414	92.	110.	103.
16 TXGH-2875	114.	112.	113.
17 ORBITA	108.	107.	108.
18 TW84BU039;F	111.	112.	112.
19 RECTOR;M-6-	71.	66.	68.
20 BERNINA;M-6	103.	97.	99.
21 SADONA;M-6-	102.	102.	102.
22 H-F29-17;AU	114.	116.	115.
23 H-F29-14;AU	113.	114.	114.
24 H-F29-18;AU	111.	117.	115.
25 H-F29-12;AU	115.	114.	114.
MEAN	4.4	5.8	5.1

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	WE88N	RN88N	MEAN
1	MONOPOL	98.0	100.0	99.0
2	MJ-50;ARTEM	100.0	100.0	100.0
3	PERLO;M-4-2	56.0	100.0	78.0
4	PRIBOY;BEZ-	98.0	100.0	99.0
5	ABSOLVENT	94.0	100.0	97.0
6	ODESSA-4	87.0	100.0	93.5
7	KARAT;M-4-3	84.0	100.0	92.0
8	FUNDULEA(F2	100.0	100.0	100.0
9	SIOUXLAND	99.0	100.0	99.5
10	KA85-10	94.0	100.0	97.0
11	W10;M-4-4	46.0	77.0	61.5
12	URBAN	70.0	95.0	82.5
13	LOVRIN-32	81.0	100.0	90.5
14	ODESSKAYA-5	100.0	100.0	100.0
15	NE-78414	97.0	100.0	98.5
16	TXGH-2875	98.0	100.0	99.0
17	ORBITA	94.0	100.0	97.0
18	TW84BU039;F	100.0	100.0	100.0
19	RECTOR;M-6-	54.0	97.0	75.5
20	BERNINA;M-6	87.0	100.0	93.5
21	SADONA;M-6-	80.0	97.0	88.5
22	H-F29-17;AU	88.0	100.0	94.0
23	H-F29-14;AU	100.0	100.0	100.0
24	H-F29-18;AU	98.0	100.0	99.0
25	H-F29-12;AU	96.0	100.0	98.0
	MEAN	88.0	98.6	93.3

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	WE88N	RN88N	MEAN
1	MONOPOL	111.	101.	106.
2	MJ-50;ARTEM	114.	101.	107.
3	PERLO;M-4-2	64.	101.	84.
4	PRIBOY;BEZ-	111.	101.	106.
5	ABSOLVENT	107.	101.	104.
6	ODESSA-4	99.	101.	100.
7	KARAT;M-4-3	95.	101.	99.
8	FUNDULEA(F2	114.	101.	107.
9	SIOUXLAND	113.	101.	107.
10	KA85-10	107.	101.	104.
11	W10;M-4-4	52.	78.	66.
12	URBAN	80.	96.	88.
13	LOVRIN-32	92.	101.	97.
14	ODESSKAYA-5	114.	101.	107.
15	NE-78414	110.	101.	106.
16	TXGH-2875	111.	101.	106.
17	ORBITA	107.	101.	104.
18	TW84BU039;F	114.	101.	107.
19	RECTOR;M-6-	61.	98.	81.
20	BERNINA;M-6	99.	101.	100.
21	SADONA;M-6-	91.	98.	95.
22	H-F29-17;AU	100.	101.	101.
23	H-F29-14;AU	114.	101.	107.
24	H-F29-18;AU	111.	101.	106.
25	H-F29-12;AU	109.	101.	105.
	MEAN	88.	99.	93.

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : YIELD
 YEAR : 88
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	NN88N	HN88N	MEAN
1	MONOPOL	3.78	5.16	3.92	3.66	4.13
2	MJ-50;ARTEM	5.10	5.49	4.23	4.13	4.74
3	PERLO;M-4-2	3.61	4.22	4.44	3.36	3.91
4	PRIBOY;BEZ-	4.66	5.19	4.38	4.07	4.58
5	ABSOLVENT	4.78	4.55	4.22	3.87	4.35
6	ODESSA-4	4.77	4.88	4.22	3.52	4.35
7	KARAT;M-4-3	4.38	3.47	4.21	3.29	3.84
8	FUNDULEA(F2	4.83	5.74	4.91	3.96	4.86
9	SIOUXLAND	4.48	4.92	4.60	3.48	4.37
10	KA85-10	4.65	3.57	4.53	3.43	4.05
11	W10;M-4-4	1.41	2.89	3.46	2.81	2.64
12	URBAN	3.96	4.53	3.94	3.03	3.87
13	LOVRIN-32	4.35	5.20	4.10	3.49	4.28
14	ODESSKAYA-5	5.09	4.65	4.36	3.89	4.50
15	NE-78414	4.11	4.86	4.43	3.80	4.30
16	TXGH-2875	4.05	3.62	4.54	3.43	3.91
17	ORBITA	4.78	5.81	4.36	4.10	4.76
18	TW84BU039;F	4.91	5.28	4.51	4.13	4.71
19	RECTOR;M-6-	2.37	3.96	3.72	3.03	3.27
20	BERNINA;M-6	3.26	4.40	4.25	3.37	3.82
21	SADONA;M-6-	2.44	4.44	4.48	3.11	3.62
22	H-F29-17;AU	4.30	.	5.15	.	4.73
23	H-F29-14;AU	4.41	.	5.05	.	4.73
24	H-F29-18;AU	4.80	.	4.92	.	4.86
25	H-F29-12;AU	4.37	.	5.13	.	4.75
	MEAN	4.15	4.61	4.40	3.57	4.18

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : YIELD
 YEAR : 88
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	NN88N	HN88N	MEAN
1	MONOPOL	91.	112.	89.	103.	99.
2	MJ-50;ARTEM	123.	119.	96.	116.	113.
3	PERLO;M-4-2	87.	92.	101.	94.	93.
4	PRIBOY;BEZ-	112.	113.	99.	114.	109.
5	ABSOLVENT	115.	99.	96.	108.	104.
6	ODESSA-4	115.	106.	96.	99.	104.
7	KARAT;M-4-3	106.	75.	96.	92.	92.
8	FUNDULEA(F2	116.	124.	112.	111.	116.
9	SIOUXLAND	108.	107.	104.	97.	104.
10	KA85-10	112.	77.	103.	96.	97.
11	W10;M-4-4	34.	63.	79.	79.	63.
12	URBAN	96.	98.	89.	85.	92.
13	LOVRIN-32	105.	113.	93.	98.	102.
14	ODESSKAYA-5	123.	101.	99.	109.	108.
15	NE-78414	99.	105.	101.	106.	103.
16	TXGH-2875	98.	79.	103.	96.	93.
17	ORBITA	115.	126.	99.	115.	114.
18	TW84BU039;F	118.	115.	102.	116.	113.
19	RECTOR;M-6-	57.	86.	84.	85.	78.
20	BERNINA;M-6	79.	95.	97.	94.	91.
21	SADONA;M-6-	59.	96.	102.	87.	86.
22	H-F29-17;AU	104.	.	117.	.	113.
23	H-F29-14;AU	106.	.	115.	.	113.
24	H-F29-18;AU	116.	.	112.	.	116.
25	H-F29-12;AU	105.	.	117.	.	114.
	MEAN	4.1	4.6	4.4	3.6	4.2

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	NN88N	HN88N	MEAN
1	MONOPOL	88.0	100.0	.	87.0	91.7
2	MJ-50;ARTEM	93.0	100.0	.	87.0	93.3
3	PERLO;M-4-2	69.0	99.0	.	76.0	81.3
4	PRIBOY;BEZ-	93.0	100.0	.	86.0	93.0
5	ABSOLVENT	87.0	100.0	.	90.0	92.3
6	ODESSA-4	93.0	100.0	.	87.0	93.3
7	KARAT;M-4-3	78.0	100.0	.	79.0	85.7
8	FUNDULEA(F2	80.0	100.0	.	87.0	89.0
9	SIOUXLAND	83.0	100.0	.	79.0	87.3
10	KA85-10	86.0	100.0	.	79.0	88.3
11	W10;M-4-4	23.0	97.0	.	45.0	55.0
12	URBAN	81.0	100.0	.	70.0	83.7
13	LOVRIN-32	80.0	100.0	.	84.0	88.0
14	ODESSKAYA-5	90.0	100.0	.	89.0	93.0
15	NE-78414	78.0	100.0	.	84.0	87.3
16	TXGH-2875	77.0	100.0	.	74.0	83.7
17	ORBITA	94.0	100.0	.	90.0	94.7
18	TW84BU039;F	89.0	100.0	.	90.0	93.0
19	RECTOR;M-6-	58.0	100.0	.	76.0	78.0
20	BERNINA;M-6	78.0	100.0	.	79.0	85.7
21	SADONA;M-6-	50.0	100.0	.	70.0	73.3
22	H-F29-17;AU	78.0	.	.	.	78.0
23	H-F29-14;AU	80.0	.	.	.	80.0
24	H-F29-18;AU	87.0	.	.	.	87.0
25	H-F29-12;AU	78.0	.	.	.	78.0
	MEAN	78.8	99.8	.0	80.4	64.8

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	NN88N	HN88N	MEAN
1	MONOPOL	112.	100.	.	108.	142.
2	MJ-50;ARTEM	118.	100.	.	108.	144.
3	PERLO;M-4-2	88.	99.	.	95.	126.
4	PRIBOY;BEZ-	118.	100.	.	107.	144.
5	ABSOLVENT	110.	100.	.	112.	143.
6	ODESSA-4	118.	100.	.	108.	144.
7	KARAT;M-4-3	99.	100.	.	98.	132.
8	FUNDULEA(F2	101.	100.	.	108.	137.
9	SIOUXLAND	105.	100.	.	98.	135.
10	KA85-10	109.	100.	.	98.	136.
11	W10;M-4-4	29.	97.	.	56.	85.
12	URBAN	103.	100.	.	87.	129.
13	LOVRIN-32	101.	100.	.	105.	136.
14	ODESSKAYA-5	114.	100.	.	111.	144.
15	NE-78414	99.	100.	.	105.	135.
16	TXGH-2875	98.	100.	.	92.	129.
17	ORBITA	119.	100.	.	112.	146.
18	TW84BU039;F	113.	100.	.	112.	144.
19	RECTOR;M-6-	74.	100.	.	95.	120.
20	BERNINA;M-6	99.	100.	.	98.	132.
21	SADONA;M-6-	63.	100.	.	87.	113.
22	H-F29-17;AU	99.	.	.	.	120.
23	H-F29-14;AU	101.	.	.	.	124.
24	H-F29-18;AU	110.	.	.	.	134.
25	H-F29-12;AU	99.	.	.	.	120.
	MEAN	79.	100.	0.	80.	65.

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : YIELD
 YEAR : 88
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	O188N	KE88N	MEAN
1	MONOPOL	1.98	2.03	2.01
2	MJ-50;ARTEM	3.93	4.04	3.99
3	PERLO;M-4-2	2.35	1.86	2.11
4	PRIBOY;BEZ-	4.04	3.96	4.00
5	ABSOLVENT	3.05	2.97	3.01
6	ODESSA-4	2.83	3.83	3.33
7	KARAT;M-4-3	3.03	2.94	2.99
8	FUNDULEA(F2	3.35	3.22	3.28
9	SIOUXLAND	2.74	4.11	3.43
10	KA85-10	2.99	2.70	2.85
11	W10;M-4-4	1.42	.26	.84
12	URBAN	2.39	1.48	1.94
13	LOVRIN-32	3.70	2.90	3.30
14	ODESSKAYA-5	3.73	4.10	3.91
15	NE-78414	3.54	3.02	3.28
16	TXGH-2875	2.50	2.36	2.43
17	ORBITA	4.03	3.57	3.80
18	TW84BU039;F	4.03	3.98	4.01
19	RECTOR;M-6-	2.21	.	2.21
20	BERNINA;M-6	2.88	.	2.88
21	SADONA;M-6-	3.84	.	3.84
22	H-F29-17;AU	2.79	.	2.79
23	H-F29-14;AU	3.21	.	3.21
24	H-F29-18;AU	3.56	.	3.56
25	H-F29-12;AU	3.71	.	3.71
	MEAN	3.11	2.96	3.04

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : YIELD
 YEAR : 88
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	O188N	KE88N	MEAN
1	MONOPOL	64.	69.	66.
2	MJ-50;ARTEM	126.	136.	131.
3	PERLO;M-4-2	75.	63.	69.
4	PRIBOY;BEZ-	130.	134.	132.
5	ABSOLVENT	98.	100.	99.
6	ODESSA-4	91.	129.	110.
7	KARAT;M-4-3	97.	99.	98.
8	FUNDULEA(F2	108.	109.	108.
9	SIOUXLAND	88.	139.	113.
10	KA85-10	96.	91.	94.
11	W10;M-4-4	46.	9.	28.
12	URBAN	77.	50.	64.
13	LOVRIN-32	119.	98.	109.
14	ODESSKAYA-5	120.	138.	129.
15	NE-78414	114.	102.	108.
16	TXGH-2875	80.	80.	80.
17	ORBITA	129.	120.	125.
18	TW84BU039;F	129.	134.	132.
19	RECTOR;M-6-	71.	.	73.
20	BERNINA;M-6	93.	.	95.
21	SADONA;M-6-	123.	.	126.
22	H-F29-17;AU	90.	.	92.
23	H-F29-14;AU	103.	.	106.
24	H-F29-18;AU	114.	.	117.
25	H-F29-12;AU	119.	.	122.
	MEAN	3.1	3.0	3.0

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	O188N	KE88N	MEAN
1	MONOPOL	71.0	51.0	61.0
2	MJ-50;ARTEM	93.0	78.0	85.5
3	PERLO;M-4-2	71.0	23.0	47.0
4	PRIBOY;BEZ-	88.0	94.0	91.0
5	ABSOLVENT	81.0	84.0	82.5
6	ODESSA-4	81.0	75.0	78.0
7	KARAT;M-4-3	84.0	74.0	79.0
8	FUNDULEA(F2	88.0	74.0	81.0
9	SIOUXLAND	84.0	80.0	82.0
10	KA85-10	83.0	56.0	69.5
11	W10;M-4-4	49.0	3.0	26.0
12	URBAN	68.0	40.0	54.0
13	LOVRIN-32	83.0	65.0	74.0
14	ODESSKAYA-5	89.0	88.0	88.5
15	NE-78414	88.0	70.0	79.0
16	TXGH-2875	83.0	75.0	79.0
17	ORBITA	96.0	85.0	90.5
18	TW84BU039;F	88.0	90.0	89.0
19	RECTOR;M-6-	68.0	.	68.0
20	BERNINA;M-6	70.0	.	70.0
21	SADONA;M-6-	89.0	.	89.0
22	H-F29-17;AU	76.0	.	76.0
23	H-F29-14;AU	81.0	.	81.0
24	H-F29-18;AU	83.0	.	83.0
25	H-F29-12;AU	88.0	.	88.0
	MEAN	80.9	66.9	73.9

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	O188N	KE88N	MEAN
1	MONOPOL	88.	76.	83.
2	MJ-50;ARTEM	115.	117.	116.
3	PERLO;M-4-2	88.	34.	64.
4	PRIBOY;BEZ-	109.	140.	123.
5	ABSOLVENT	100.	125.	112.
6	ODESSA-4	100.	112.	106.
7	KARAT;M-4-3	104.	111.	107.
8	FUNDULEA(F2	109.	111.	110.
9	SIOUXLAND	104.	120.	111.
10	KA85-10	103.	84.	94.
11	W10;M-4-4	61.	4.	35.
12	URBAN	84.	60.	73.
13	LOVRIN-32	103.	97.	100.
14	ODESSKAYA-5	110.	131.	120.
15	NE-78414	109.	105.	107.
16	TXGH-2875	103.	112.	107.
17	ORBITA	119.	127.	122.
18	TW84BU039;F	109.	134.	120.
19	RECTOR;M-6-	84.	.	92.
20	BERNINA;M-6	87.	.	95.
21	SADONA;M-6-	110.	.	120.
22	H-F29-17;AU	94.	.	103.
23	H-F29-14;AU	100.	.	110.
24	H-F29-18;AU	103.	.	112.
25	H-F29-12;AU	109.	.	119.
	MEAN	81.	67.	74.

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : YIELD
 YEAR : 88
 AREA(S): 1- 4

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	WE88N	RN88N	NN88N	HN88N	O188N	KE88N	MEAN
1	MONOPOL	3.78	5.16	3.81	4.52	3.92	3.66	1.98	2.03	3.61
2	MJ-50;ARTEM	5.10	5.49	4.63	6.50	4.23	4.13	3.93	4.04	4.76
3	PERLO;M-4-2	3.61	4.22	3.71	5.70	4.44	3.36	2.35	1.86	3.66
4	PRIBOY;BEZ-	4.66	5.19	4.73	6.18	4.38	4.07	4.04	3.96	4.65
5	ABSOLVENT	4.78	4.55	4.49	5.51	4.22	3.87	3.05	2.97	4.18
6	ODESSA-4	4.77	4.88	3.87	5.69	4.22	3.52	2.83	3.83	4.20
7	KARAT;M-4-3	4.38	3.47	4.54	5.14	4.21	3.29	3.03	2.94	3.88
8	FUNDULEA(F2	4.83	5.74	4.93	6.55	4.91	3.96	3.35	3.22	4.69
9	SIOUXLAND	4.48	4.92	4.98	5.83	4.60	3.48	2.74	4.11	4.39
10	KA85-10	4.65	3.57	4.97	6.49	4.53	3.43	2.99	2.70	4.17
11	W10;M-4-4	1.41	2.89	2.36	3.20	3.46	2.81	1.42	.26	2.23
12	URBAN	3.96	4.53	3.39	4.52	3.94	3.03	2.39	1.48	3.40
13	LOVRIN-32	4.35	5.20	4.49	5.95	4.10	3.49	3.70	2.90	4.27
14	ODESSKAYA-5	5.09	4.65	4.91	6.16	4.36	3.89	3.73	4.10	4.61
15	NE-78414	4.11	4.86	4.10	6.45	4.43	3.80	3.54	3.02	4.29
16	TXGH-2875	4.05	3.62	5.06	6.53	4.54	3.43	2.50	2.36	4.01
17	ORBITA	4.78	5.81	4.82	6.25	4.36	4.10	4.03	3.57	4.72
18	TW84BU039;F	4.91	5.28	4.94	6.56	4.51	4.13	4.03	3.98	4.79
19	RECTOR;M-6-	2.37	3.96	3.14	3.86	3.72	3.03	2.21	.	3.18
20	BERNINA;M-6	3.26	4.40	4.56	5.66	4.25	3.37	2.88	.	4.05
21	SADONA;M-6-	2.44	4.44	4.55	5.94	4.48	3.11	3.84	.	4.11
22	H-F29-17;AU	4.30	.	5.05	6.78	5.15	.	2.79	.	4.81
23	H-F29-14;AU	4.41	.	5.00	6.69	5.05	.	3.21	.	4.87
24	H-F29-18;AU	4.80	.	4.92	6.87	4.92	.	3.56	.	5.01
25	H-F29-12;AU	4.37	.	5.12	6.66	5.13	.	3.71	.	5.00
	MEAN	4.15	4.61	4.44	5.85	4.40	3.57	3.11	2.96	4.14

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : YIELD
 YEAR : 88
 AREA(S): 1- 4

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	WE88N	RN88N	NN88N	HN88N	O188N	KE88N	MEAN
1	MONOPOL	91.	112.	86.	77.	89.	103.	64.	69.	87.
2	MJ-50;ARTEM	123.	119.	104.	111.	96.	116.	126.	136.	115.
3	PERLO;M-4-2	87.	92.	84.	97.	101.	94.	75.	63.	88.
4	PRIBOY;BEZ-	112.	113.	106.	106.	99.	114.	130.	134.	112.
5	ABSOLVENT	115.	99.	101.	94.	96.	108.	98.	100.	101.
6	ODESSA-4	115.	106.	87.	97.	96.	99.	91.	129.	102.
7	KARAT;M-4-3	106.	75.	102.	88.	96.	92.	97.	99.	94.
8	FUNDULEA(F2	116.	124.	111.	112.	112.	111.	108.	109.	113.
9	SIOUXLAND	108.	107.	112.	100.	104.	97.	88.	139.	106.
10	KA85-10	112.	77.	112.	111.	103.	96.	96.	91.	101.
11	W10;M-4-4	34.	63.	53.	55.	79.	79.	46.	9.	54.
12	URBAN	96.	98.	76.	77.	89.	85.	77.	50.	82.
13	LOVRIN-32	105.	113.	101.	102.	93.	98.	119.	98.	103.
14	ODESSKAYA-5	123.	101.	111.	105.	99.	109.	120.	138.	111.
15	NE-78414	99.	105.	92.	110.	101.	106.	114.	102.	104.
16	TXGH-2875	98.	79.	114.	112.	103.	96.	80.	80.	97.
17	ORBITA	115.	126.	108.	107.	99.	115.	129.	120.	114.
18	TW84BU039;F	118.	115.	111.	112.	102.	116.	129.	134.	116.
19	RECTOR;M-6-	57.	86.	71.	66.	84.	85.	71.	.	77.
20	BERNINA;M-6	79.	95.	103.	97.	97.	94.	93.	.	98.
21	SADONA;M-6-	59.	96.	102.	102.	102.	87.	123.	.	99.
22	H-F29-17;AU	104.	.	114.	116.	117.	.	90.	.	116.
23	H-F29-14;AU	106.	.	113.	114.	115.	.	103.	.	118.
24	H-F29-18;AU	116.	.	111.	117.	112.	.	114.	.	121.
25	H-F29-12;AU	105.	.	115.	114.	117.	.	119.	.	121.
	MEAN	4.1	4.6	4.4	5.8	4.4	3.6	3.1	3.0	4.1

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA(S): 1- 4

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	WE88N	RN88N	NN88N	HN88N	O188N	KE88N	MEAN
1	MONOPOL	88.0	100.0	98.0	100.0	.	87.0	71.0	51.0	85.0
2	MJ-50;ARTEM	93.0	100.0	100.0	100.0	.	87.0	93.0	78.0	93.0
3	PERLO;M-4-2	69.0	99.0	56.0	100.0	.	76.0	71.0	23.0	70.6
4	PRIBOY;BEZ-	93.0	100.0	98.0	100.0	.	86.0	88.0	94.0	94.1
5	ABSOLVENT	87.0	100.0	94.0	100.0	.	90.0	81.0	84.0	90.9
6	ODESSA-4	93.0	100.0	87.0	100.0	.	87.0	81.0	75.0	89.0
7	KARAT;M-4-3	78.0	100.0	84.0	100.0	.	79.0	84.0	74.0	85.6
8	FUNDULEA(F2	80.0	100.0	100.0	100.0	.	87.0	88.0	74.0	89.9
9	SIOUXLAND	83.0	100.0	99.0	100.0	.	79.0	84.0	80.0	89.3
10	KA85-10	86.0	100.0	94.0	100.0	.	79.0	83.0	56.0	85.4
11	W10;M-4-4	23.0	97.0	46.0	77.0	.	45.0	49.0	3.0	48.6
12	URBAN	81.0	100.0	70.0	95.0	.	70.0	68.0	40.0	74.9
13	LOVRIN-32	80.0	100.0	81.0	100.0	.	84.0	83.0	65.0	84.7
14	ODESSKAYA-5	90.0	100.0	100.0	100.0	.	89.0	89.0	88.0	93.7
15	NE-78414	78.0	100.0	97.0	100.0	.	84.0	88.0	70.0	88.1
16	TXGH-2875	77.0	100.0	98.0	100.0	.	74.0	83.0	75.0	86.7
17	ORBITA	94.0	100.0	94.0	100.0	.	90.0	96.0	85.0	94.1
18	TW84BU039;F	89.0	100.0	100.0	100.0	.	90.0	88.0	90.0	93.9
19	RECTOR;M-6-	58.0	100.0	54.0	97.0	.	76.0	68.0	.	75.5
20	BERNINA;M-6	78.0	100.0	87.0	100.0	.	79.0	70.0	.	85.7
21	SADONA;M-6-	50.0	100.0	80.0	97.0	.	70.0	89.0	.	81.0
22	H-F29-17;AU	78.0	.	88.0	100.0	.	.	76.0	.	85.5
23	H-F29-14;AU	80.0	.	100.0	100.0	.	.	81.0	.	90.3
24	H-F29-18;AU	87.0	.	98.0	100.0	.	.	83.0	.	92.0
25	H-F29-12;AU	78.0	.	96.0	100.0	.	.	88.0	.	90.5
	MEAN	78.8	99.8	88.0	98.6	.0	80.4	80.9	66.9	74.2

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : WINTER SURVIVAL
 YEAR : 88
 AREA(S): 1- 4

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88N	WK88N	WE88N	RN88N	NN88N	HN88N	O188N	KE88N	MEAN
1	MONOPOL	112.	100.	111.	101.	.	108.	88.	76.	115.
2	MJ-50;ARTEM	118.	100.	114.	101.	.	108.	115.	117.	125.
3	PERLO;M-4-2	88.	99.	64.	101.	.	95.	88.	34.	95.
4	PRIBOY;BEZ-	118.	100.	111.	101.	.	107.	109.	140.	127.
5	ABSOLVENT	110.	100.	107.	101.	.	112.	100.	125.	122.
6	ODESSA-4	118.	100.	99.	101.	.	108.	100.	112.	120.
7	KARAT;M-4-3	99.	100.	95.	101.	.	98.	104.	111.	115.
8	FUNDULEA(F2	101.	100.	114.	101.	.	108.	109.	111.	121.
9	SIOUXLAND	105.	100.	113.	101.	.	98.	104.	120.	120.
10	KA85-10	109.	100.	107.	101.	.	98.	103.	84.	115.
11	W10;M-4-4	29.	97.	52.	78.	.	56.	61.	4.	65.
12	URBAN	103.	100.	80.	96.	.	87.	84.	60.	101.
13	LOVRIN-32	101.	100.	92.	101.	.	105.	103.	97.	114.
14	ODESSKAYA-5	114.	100.	114.	101.	.	111.	110.	131.	126.
15	NE-78414	99.	100.	110.	101.	.	105.	109.	105.	119.
16	TXGH-2875	98.	100.	111.	101.	.	92.	103.	112.	117.
17	ORBITA	119.	100.	107.	101.	.	112.	119.	127.	127.
18	TW84BU039;F	113.	100.	114.	101.	.	112.	109.	134.	127.
19	RECTOR;M-6-	74.	100.	61.	98.	.	95.	84.	.	102.
20	BERNINA;M-6	99.	100.	99.	101.	.	98.	87.	.	115.
21	SADONA;M-6-	63.	100.	91.	98.	.	87.	110.	.	109.
22	H-F29-17;AU	99.	.	100.	101.	.	.	94.	.	115.
23	H-F29-14;AU	101.	.	114.	101.	.	.	100.	.	122.
24	H-F29-18;AU	110.	.	111.	101.	.	.	103.	.	124.
25	H-F29-12;AU	99.	.	109.	101.	.	.	109.	.	122.
	MEAN	79.	100.	88.	99.	0.	80.	81.	67.	74.

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

TRAIT : YIELD
 YEAR : 88
 AREA(S): 1- 4

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88I	NN88I	RN88I	HN88I	MEAN
1	MONOPOL	2.96	3.87	4.80	3.90	3.88
2	MJ-50;ARTEM	4.07	4.94	6.46	4.94	5.10
3	PERLO;M-4-2	3.14	4.70	5.50	3.95	4.32
4	PRIBOY;BEZ-	3.71	4.83	6.14	4.62	4.82
5	ABSOLVENT	3.74	4.25	5.25	4.57	4.45
6	ODESSA-4	3.63	4.46	5.38	4.10	4.39
7	KARAT;M-4-3	3.63	4.29	5.33	4.10	4.34
8	FUNDULEA(F2	3.83	4.98	6.29	4.40	4.88
9	SIOUXLAND	4.29	4.96	5.96	4.32	4.88
10	KA85-10	3.89	4.02	6.12	4.43	4.61
11	W10;M-4-4	1.23	2.68	3.91	3.63	2.86
12	URBAN	3.09	3.74	4.75	3.60	3.80
13	LOVRIN-32	3.53	4.51	5.87	4.07	4.49
14	ODESSKAYA-5	4.10	4.52	5.88	4.80	4.82
15	NE-78414	3.85	4.59	6.25	4.43	4.78
16	TXGH-2875	3.46	4.68	6.10	4.05	4.57
17	ORBITA	4.41	4.76	6.12	4.66	4.99
18	TW84BU039;F	4.22	4.83	6.13	4.82	5.00
	MEAN	3.60	4.42	5.68	4.30	4.50

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 DATA EXPRESSED RELATIVE TO LOCATION MEAN

TRAIT : YIELD
 YEAR : 88
 AREA(S): 1- 4

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY	NAME/PED	EA88I	NN88I	RN88I	HN88I	MEAN
1	MONOPOL	82.	88.	85.	91.	86.
2	MJ-50;ARTEM	113.	112.	114.	115.	113.
3	PERLO;M-4-2	87.	106.	97.	92.	96.
4	PRIBOY;BEZ-	103.	109.	108.	107.	107.
5	ABSOLVENT	104.	96.	92.	106.	99.
6	ODESSA-4	101.	101.	95.	95.	98.
7	KARAT;M-4-3	101.	97.	94.	95.	96.
8	FUNDULEA(F2	106.	113.	111.	102.	108.
9	SIOUXLAND	119.	112.	105.	100.	108.
10	KA85-10	108.	91.	108.	103.	103.
11	W10;M-4-4	34.	61.	69.	84.	64.
12	URBAN	86.	85.	84.	84.	84.
13	LOVRIN-32	98.	102.	103.	95.	100.
14	ODESSKAYA-5	114.	102.	104.	112.	107.
15	NE-78414	107.	104.	110.	103.	106.
16	TXGH-2875	96.	106.	107.	94.	102.
17	ORBITA	123.	108.	108.	108.	111.
18	TW84BU039;F	117.	109.	108.	112.	111.
	MEAN	3.6	4.4	5.7	4.3	4.5

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

LOCATION - ELORA

MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	3.78	72.3	.	88	.	83	169	7.8	.	4.5	.	.	.	.
2 MJ-50;ARTEMOVKA/	5.10	69.2	.	93	.	93	163	6.3	.	3.0	.	.	.	.
3 PERLO;M-4-2	3.61	73.6	.	69	.	78	168	4.0	.	3.5	.	.	.	.
4 PRIBOY;BEZ-1/ODK	4.66	76.1	.	93	.	88	164	7.0	.	4.5	.	.	.	.
5 ABSOLVENT	4.78	74.8	.	87	.	80	164	6.5	.	5.0	.	.	.	.
6 ODESSA-4	4.77	74.8	.	93	.	88	165	.0	.	2.5	.	.	.	.
7 KARAT;M-4-3;BEZ-	4.38	74.8	.	78	.	88	167	2.0	.	3.5	.	.	.	.
8 FUNDULEA(F29-76)	4.83	73.6	.	80	.	75	165	.0	.	4.0	.	.	.	.
9 SIOUXLAND	4.48	73.0	.	83	.	88	162	.0	.	3.5	.	.	.	.
10 KA85-10	4.65	76.1	.	86	.	83	166	5.3	.	4.5	.	.	.	.
11 W10;M-4-4	1.41	.	.	23	.	60	171	4.0	.	3.0	.	.	.	.
12 URBAN	3.96	69.9	.	81	.	68	172	3.5	.	3.5	.	.	.	.
13 LOVRIN-32	4.35	74.2	.	80	.	75	162	6.0	.	4.3	.	.	.	.
14 ODESSKAYA-51	5.09	76.1	.	90	.	90	162	5.0	.	3.8	.	.	.	.
15 NE-78414	4.11	73.0	.	78	.	88	161	6.5	.	5.0	.	.	.	.
16 TXGH-2875	4.05	73.6	.	77	.	70	159	.0	.	2.5	.	.	.	.
17 ORBITA	4.78	73.6	.	94	.	93	163	5.0	.	3.3	.	.	.	.
18 TW84BU039;FRC/PB	4.91	73.6	.	89	.	80	163	6.8	.	4.0	.	.	.	.
19 RECTOR;M-6-4	2.37	69.9	.	58	.	65	172	5.3	.	3.5	.	.	.	.
20 BERNINA;M-6-6	3.26	71.1	.	78	.	80	169	.0	.	3.0	.	.	.	.
21 SADONA;M-6-7	2.44	69.9	.	50	.	60	167	5.3	.	2.3	.	.	.	.
22 H-F29-17;AURORA/	4.30	74.8	.	78	.	73	164	.0	.	3.3	.	.	.	.
23 H-F29-14;AURORA/	4.41	74.8	.	80	.	75	164	.0	.	4.3	.	.	.	.
24 H-F29-18;AURORA/	4.80	74.8	.	87	.	78	165	.0	.	3.7	.	.	.	.
25 H-F29-12;AURORA/	4.37	73.6	.	78	.	68	165	.0	.	4.0	.	.	.	.
MEANS	4.15	73.4	.	79	.	78	165	3.4	.	3.6	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88

LOCATION - WOODSTOCK

MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	5.16	77.3	.	100	.	93	161	7.0	.	4.0	.	.	.	.
2 MJ-50; ARTEMOVKA/	5.49	74.2	.	100	.	107	156	4.7	.	3.5	.	.	.	.
3 PERLO; M-4-2	4.22	76.1	.	99	.	96	159	3.3	.	3.8	.	.	.	.
4 PRIBOY; BEZ-1/ODK	5.19	79.8	.	100	.	106	157	4.8	.	4.3	.	.	.	.
5 ABSOLVENT	4.55	79.8	.	100	.	93	157	7.2	.	5.5	.	.	.	.
6 ODESSA-4	4.88	79.8	.	100	.	103	158	.7	.	3.8	.	.	.	.
7 KARAT; M-4-3; BEZ-	3.47	77.3	.	100	.	102	160	2.3	.	4.0	.	.	.	.
8 FUNDULEA (F29-76)	5.74	76.1	.	100	.	98	157	.5	.	4.8	.	.	.	.
9 SIOUXLAND	4.92	77.3	.	100	.	108	155	1.2	.	3.8	.	.	.	.
10 KA85-10	3.57	77.3	.	100	.	100	158	3.7	.	4.8	.	.	.	.
11 W10; M-4-4	2.89	68.6	.	97	.	83	162	.8	.	3.0	.	.	.	.
12 URBAN	4.53	77.3	.	100	.	81	162	1.3	.	3.5	.	.	.	.
13 LOVRIN-32	5.20	73.6	.	100	.	81	154	4.7	.	5.5	.	.	.	.
14 ODESSKAYA-51	4.65	78.6	.	100	.	102	154	4.8	.	4.0	.	.	.	.
15 NE-78414	4.86	73.6	.	100	.	98	155	5.5	.	3.8	.	.	.	.
16 TXGH-2875	3.62	74.2	.	100	.	83	151	.5	.	3.0	.	.	.	.
17 ORBITA	5.81	76.1	.	100	.	105	157	5.8	.	4.3	.	.	.	.
18 TW84BU039; FRC/PB	5.28	73.6	.	100	.	100	157	5.2	.	4.0	.	.	.	.
19 RECTOR; M-6-4	3.96	72.3	.	100	.	83	164	2.3	.	2.8	.	.	.	.
20 BERNINA; M-6-6	4.40	76.1	.	100	.	88	160	.8	.	2.5	.	.	.	.
21 SADONA; M-6-7	4.44	77.3	.	100	.	83	161	4.0	.	2.5	.	.	.	.
MEANS	4.61	76.0	.	100	.	95	158	3.3	.	3.8	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88
 LOCATION - ELORA
 MANAGEMENT - INTENSIVE

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	2.96	.	.	93	.	60	170	.	.	.	.	.	.	.
2 MJ-50; ARTEMOVKA/	4.07	.	.	94	.	70	165	.	.	.	.	.	.	.
3 PERLO; M-4-2	3.14	.	.	73	.	65	169	.	.	.	.	.	.	.
4 PRIBOY; BEZ-1/ODK	3.71	.	.	91	.	68	165	.	.	.	.	.	.	.
5 ABSOLVENT	3.74	.	.	91	.	60	166	.	.	.	.	.	.	.
6 ODESSA-4	3.63	.	.	88	.	65	166	.	.	.	.	.	.	.
7 KARAT; M-4-3; BEZ-	3.63	.	.	84	.	63	168	.	.	.	.	.	.	.
8 FUNDULEA (F29-76)	3.83	.	.	93	.	55	165	.	.	.	.	.	.	.
9 SIOUXLAND	4.29	.	.	88	.	70	164	.	.	.	.	.	.	.
10 KA85-10	3.89	.	.	90	.	63	166	.	.	.	.	.	.	.
11 W10; M-4-4	1.23	.	.	16	.	.	.	.	.	.	.	.	.	.
12 URBAN	3.09	.	.	75	.	60	172	.	.	.	.	.	.	.
13 LOVRIN-32	3.53	.	.	88	.	60	163	.	.	.	.	.	.	.
14 ODESSKAYA-51	4.10	.	.	95	.	65	164	.	.	.	.	.	.	.
15 NE-78414	3.85	.	.	91	.	65	163	.	.	.	.	.	.	.
16 TXGH-2875	3.46	.	.	89	.	50	158	.	.	.	.	.	.	.
17 ORBITA	4.41	.	.	93	.	65	165	.	.	.	.	.	.	.
18 TW84BU039; FRC/PB	4.22	.	.	90	.	70	165	.	.	.	.	.	.	.
MEANS	3.60	.	.	84	.	63	165	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

LOCATION - WOODSLEE

MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	3.81	.	.	98	.	76	155	.	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/	4.63	.	.	100	.	84	149	.	.	.	.	.	.	.
3 PERLO;M-4-2	3.71	.	.	56	.	75	155	.	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK	4.73	.	.	98	.	88	150	.	.	.	.	.	.	.
5 ABSOLVENT	4.49	.	.	94	.	79	150	.	.	.	.	.	.	.
6 ODESSA-4	3.87	.	.	87	.	88	151	.	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-	4.54	.	.	84	.	84	152	.	.	.	.	.	.	.
8 FUNDULEA(F29-76)	4.93	.	.	100	.	82	151	.	.	.	.	.	.	.
9 SIOUXLAND	4.98	.	.	99	.	86	149	.	.	.	.	.	.	.
10 KA85-10	4.97	.	.	94	.	85	152	.	.	.	.	.	.	.
11 W10;M-4-4	2.36	.	.	46	.	66	155	.	.	.	.	.	.	.
12 URBAN	3.39	.	.	70	.	68	155	.	.	.	.	.	.	.
13 LOVRIN-32	4.49	.	.	81	.	72	150	.	.	.	.	.	.	.
14 ODESSKAYA-51	4.91	.	.	100	.	85	150	.	.	.	.	.	.	.
15 NE-78414	4.10	.	.	97	.	84	149	.	.	.	.	.	.	.
16 TXGH-2875	5.06	.	.	98	.	80	145	.	.	.	.	.	.	.
17 ORBITA	4.82	.	.	94	.	86	152	.	.	.	.	.	.	.
18 TW84BU039;FRC/PB	4.94	.	.	100	.	80	151	.	.	.	.	.	.	.
19 RECTOR;M-6-4	3.14	.	.	54	.	71	155	.	.	.	.	.	.	.
20 BERNINA;M-6-6	4.56	.	.	87	.	78	154	.	.	.	.	.	.	.
21 SADONA;M-6-7	4.55	.	.	80	.	73	155	.	.	.	.	.	.	.
22 H-F29-17;AURORA/	5.05	.	.	88	.	74	153	.	.	.	.	.	.	.
23 H-F29-14;AURORA/	5.00	.	.	100	.	74	151	.	.	.	.	.	.	.
24 H-F29-18;AURORA/	4.92	.	.	98	.	75	151	.	.	.	.	.	.	.
25 H-F29-12;AURORA/	5.12	.	.	96	.	73	151	.	.	.	.	.	.	.
MEANS	4.44	.	.	88	.	79	152	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88
 LOCATION - RIDGETOWN
 MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	4.52	76.8	41	100	.	98	161	2.0	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/	6.50	76.2	47	100	.	104	154	2.0	.	.	.	.	.	.
3 PERLO;M-4-2	5.70	76.3	41	100	.	99	157	2.0	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK	6.18	78.1	45	100	.	103	154	1.0	.	.	.	.	.	.
5 ABSOLVENT	5.51	78.2	45	100	.	96	154	3.0	.	.	.	.	.	.
6 ODESSA-4	5.69	76.8	45	100	.	102	154	.0	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-	5.14	77.9	41	100	.	110	156	1.0	.	.	.	.	.	.
8 FUNDULEA(F29-76)	6.55	76.6	42	100	.	105	154	.0	.	.	.	.	.	.
9 SIOUXLAND	5.83	76.3	37	100	.	103	152	.0	.	.	.	.	.	.
10 KA85-10	6.49	78.4	42	100	.	103	154	1.0	.	.	.	.	.	.
11 W10;M-4-4	3.20	72.1	47	77	.	87	161	.0	.	.	.	.	.	.
12 URBAN	4.52	75.2	40	95	.	88	162	.0	.	.	.	.	.	.
13 LOVRIN-32	5.95	77.9	49	100	.	87	152	1.0	.	.	.	.	.	.
14 ODESSKAYA-51	6.16	78.2	44	100	.	102	153	1.0	.	.	.	.	.	.
15 NE-78414	6.45	75.8	38	100	.	103	152	2.0	.	.	.	.	.	.
16 TXGH-2875	6.53	78.0	43	100	.	89	150	.0	.	.	.	.	.	.
17 ORBITA	6.25	76.8	49	100	.	108	153	2.0	.	.	.	.	.	.
18 TW84BU039;FRC/PB	6.56	77.6	43	100	.	99	153	2.0	.	.	.	.	.	.
19 RECTOR;M-6-4	3.86	73.3	36	97	.	91	153	1.0	.	.	.	.	.	.
20 BERNINA;M-6-6	5.66	73.9	41	100	.	91	159	.0	.	.	.	.	.	.
21 SADONA;M-6-7	5.94	75.0	42	97	.	90	159	.0	.	.	.	.	.	.
22 H-F29-17;AURORA/	6.78	77.8	39	100	.	85	154	.0	.	.	.	.	.	.
23 H-F29-14;AURORA/	6.69	77.7	39	100	.	86	154	.0	.	.	.	.	.	.
24 H-F29-18;AURORA/	6.87	77.3	41	100	.	84	154	.0	.	.	.	.	.	.
25 H-F29-12;AURORA/	6.66	77.7	40	100	.	87	154	.0	.	.	.	.	.	.
MEANS	5.85	76.6	42	99	.	96	155	.8	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

LOCATION - NAIRN

MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	3.92	78.4	36	.	.	88	160	5.0	.	4.0	3.0	.	.	.
2 MJ-50;ARTEMOVKA/	4.23	75.1	41	.	.	96	106	3.0	.	4.0	3.0	.	.	.
3 PERLO;M-4-2	4.44	77.8	35	.	.	85	109	2.0	.	3.0	2.0	.	.	.
4 PRIBOY;BEZ-1/ODK	4.38	78.8	40	.	.	92	107	5.0	.	4.0	2.0	.	.	.
5 ABSOLVENT	4.22	79.5	38	.	.	87	107	5.0	.	4.0	3.0	.	.	.
6 ODESSA-4	4.22	79.1	42	.	.	93	108	1.0	.	4.0	3.0	.	.	.
7 KARAT;M-4-3;BEZ-	4.21	78.6	36	.	.	103	109	3.0	.	4.0	3.0	.	.	.
8 FUNDULEA(F29-76)	4.91	76.9	36	.	.	88	107	3.0	.	4.0	2.0	.	.	.
9 SIOUXLAND	4.60	77.3	33	.	.	93	106	1.0	.	4.0	2.0	.	.	.
10 KA85-10	4.53	78.5	35	.	.	96	108	4.0	.	4.0	2.0	.	.	.
11 W10;M-4-4	3.46	72.8	40	.	.	84	109	2.0	.	3.0	2.0	.	.	.
12 URBAN	3.94	76.2	34	.	.	80	160	2.0	.	4.0	3.0	.	.	.
13 LOVRIN-32	4.10	78.4	42	.	.	75	107	4.0	.	3.0	3.0	.	.	.
14 ODESSKAYA-51	4.36	79.3	39	.	.	88	107	4.0	.	4.0	2.0	.	.	.
15 NE-78414	4.43	76.1	33	.	.	84	106	3.0	.	4.0	2.0	.	.	.
16 TXGH-2875	4.54	76.0	36	.	.	75	106	2.0	.	3.0	1.0	.	.	.
17 ORBITA	4.36	76.9	42	.	.	91	108	3.0	.	4.0	3.0	.	.	.
18 TW84BU039;FRC/PB	4.51	77.2	36	.	.	81	107	4.0	.	4.0	2.0	.	.	.
19 RECTOR;M-6-4	3.72	73.8	32	.	.	77	160	2.0	.	4.0	2.0	.	.	.
20 BERNINA;M-6-6	4.25	75.0	34	.	.	84	109	2.0	.	3.0	3.0	.	.	.
21 SADONA;M-6-7	4.48	75.6	35	.	.	80	109	3.0	.	3.0	2.0	.	.	.
22 H-F29-17;AURORA/	5.15	77.6	36	.	.	79	108	1.0	.	4.0	2.0	.	.	.
23 H-F29-14;AURORA/	5.05	77.4	34	.	.	79	108	1.0	.	3.0	2.0	.	.	.
24 H-F29-18;AURORA/	4.92	77.4	35	.	.	78	108	1.0	.	4.0	2.0	.	.	.
25 H-F29-12;AURORA/	5.13	78.1	35	.	.	74	109	2.0	.	3.0	2.0	.	.	.
MEANS	4.40	77.1	37	.	.	85	114	2.7	.	3.6	2.3	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

LOCATION - HARRISTON

MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	3.66	77.9	36	87	.	78	162	.	.	6.0	.	.	.	.
2 MJ-50;ARTEMOVKA/	4.13	75.6	37	87	.	87	155	.	.	5.0	.	.	.	.
3 PERLO;M-4-2	3.36	79.5	33	76	.	83	160	.	.	5.0	.	.	.	.
4 PRIBOY;BEZ-1/ODK	4.07	79.4	35	86	.	85	157	.	.	7.0	.	.	.	.
5 ABSOLVENT	3.87	80.0	37	90	.	84	156	.	.	6.0	.	.	.	.
6 ODESSA-4	3.52	79.0	40	87	.	84	158	.	.	5.0	.	.	.	.
7 KARAT;M-4-3;BEZ-	3.29	79.4	35	79	.	84	159	.	.	5.0	.	.	.	.
8 FUNDULEA(F29-76)	3.96	78.5	31	87	.	87	157	.	.	5.0	.	.	.	.
9 SIOUXLAND	3.48	78.9	29	79	.	89	156	.	.	6.0	.	.	.	.
10 KA85-10	3.43	78.8	35	79	.	79	158	.	.	6.0	.	.	.	.
11 W10;M-4-4	2.81	69.3	34	45	.	70	163	.	.	4.0	.	.	.	.
12 URBAN	3.03	72.5	26	70	.	65	164	.	.	4.0	.	.	.	.
13 LOVRIN-32	3.49	78.2	34	84	.	72	154	.	.	6.0	.	.	.	.
14 ODESSKAYA-51	3.89	79.7	36	89	.	85	155	.	.	5.0	.	.	.	.
15 NE-78414	3.80	77.7	30	84	.	83	155	.	.	6.0	.	.	.	.
16 TXGH-2875	3.43	75.8	31	74	.	68	160	.	.	6.0	.	.	.	.
17 ORBITA	4.10	78.0	38	90	.	88	166	.	.	6.0	.	.	.	.
18 TW84BU039;FRC/PB	4.13	77.1	31	90	.	82	165	.	.	6.0	.	.	.	.
19 RECTOR;M-6-4	3.03	72.4	29	76	.	71	174	.	.	6.0	.	.	.	.
20 BERNINA;M-6-6	3.37	71.6	33	79	.	72	172	.	.	5.0	.	.	.	.
21 SADONA;M-6-7	3.11	71.7	30	70	.	67	172	.	.	5.0	.	.	.	.
MEANS	3.57	76.7	33	80	.	79	161	.	.	5.4	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

LOCATION - OTTAWA-1

MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	1.98	84.0	.	71	.	79	163	.	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/	3.93	82.5	.	93	.	80	159	.	.	.	.	.	.	.
3 PERLO;M-4-2	2.35	84.4	.	71	.	79	161	.	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK	4.04	85.8	.	88	.	82	160	.	.	.	.	.	.	.
5 ABSOLVENT	3.05	84.9	.	81	.	73	161	.	.	.	.	.	.	.
6 ODESSA-4	2.83	83.5	.	81	.	81	161	.	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-	3.03	85.0	.	84	.	87	161	.	.	.	.	.	.	.
8 FUNDULEA(F29-76)	3.35	84.3	.	88	.	80	160	.	.	.	.	.	.	.
9 SIOUXLAND	2.74	84.1	.	84	.	77	158	.	.	.	.	.	.	.
10 KA85-10	2.99	84.9	.	83	.	87	161	.	.	.	.	.	.	.
11 W10;M-4-4	1.42	81.8	.	49	.	74	162	.	.	.	.	.	.	.
12 URBAN	2.39	84.0	.	68	.	73	163	.	.	.	.	.	.	.
13 LOVRIN-32	3.70	84.9	.	83	.	71	158	.	.	.	.	.	.	.
14 ODESSKAYA-51	3.73	84.8	.	89	.	82	158	.	.	.	.	.	.	.
15 NE-78414	3.54	83.2	.	88	.	75	158	.	.	.	.	.	.	.
16 TXGH-2875	2.50	81.8	.	83	.	68	155	.	.	.	.	.	.	.
17 ORBITA	4.03	82.9	.	96	.	80	160	.	.	.	.	.	.	.
18 TW84BU039;FRC/PB	4.03	84.1	.	88	.	76	159	.	.	.	.	.	.	.
19 RECTOR;M-6-4	2.21	82.2	.	68	.	72	163	.	.	.	.	.	.	.
20 BERNINA;M-6-6	2.88	83.9	.	70	.	73	162	.	.	.	.	.	.	.
21 SADONA;M-6-7	3.84	84.6	.	89	.	76	162	.	.	.	.	.	.	.
22 H-F29-17;AURORA/	2.79	84.5	.	76	.	65	161	.	.	.	.	.	.	.
23 H-F29-14;AURORA/	3.21	83.9	.	81	.	69	160	.	.	.	.	.	.	.
24 H-F29-18;AURORA/	3.56	83.9	.	83	.	71	160	.	.	.	.	.	.	.
25 H-F29-12;AURORA/	3.71	84.1	.	88	.	72	160	.	.	.	.	.	.	.
MEANS	3.11	83.9	.	81	.	76	160	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88

LOCATION - KEMPTVILLE

MANAGEMENT - NORMAL

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	2.03	84.1	59	51	.	78	166	.	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/	4.04	82.0	53	78	.	101	159	.	.	.	.	.	.	.
3 PERLO;M-4-2	1.86	83.6	41	23	.	88	165	.	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK	3.96	84.1	42	94	.	98	161	.	.	.	.	.	.	.
5 ABSOLVENT	2.97	84.1	40	84	.	94	160	.	.	.	.	.	.	.
6 ODESSA-4	3.83	83.1	45	75	.	98	161	.	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-	2.94	84.6	41	74	.	99	163	.	.	.	.	.	.	.
8 FUNDULEA(F29-76)	3.22	84.1	59	74	.	99	161	.	.	.	.	.	.	.
9 SIOUXLAND	4.11	83.1	34	80	.	100	156	.	.	.	.	.	.	.
10 KA85-10	2.70	84.6	40	56	.	94	161	.	.	.	.	.	.	.
11 W10;M-4-4	.26	.	44	3	.	80	166	.	.	.	.	.	.	.
12 URBAN	1.48	81.5	39	40	.	75	163	.	.	.	.	.	.	.
13 LOVRIN-32	2.90	83.1	45	65	.	80	161	.	.	.	.	.	.	.
14 ODESSKAYA-51	4.10	84.6	40	88	.	98	157	.	.	.	.	.	.	.
15 NE-78414	3.02	81.0	34	70	.	94	156	.	.	.	.	.	.	.
16 TXGH-2875	2.36	80.5	40	75	.	84	154	.	.	.	.	.	.	.
17 ORBITA	3.57	83.1	44	85	.	99	159	.	.	.	.	.	.	.
18 TW84BU039;FRC/PB	3.98	82.0	38	90	.	90	156	.	.	.	.	.	.	.
MEANS	2.96	83.1	43	67	.	92	160	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88
 LOCATION - NAIRN
 MANAGEMENT - INTENSIVE

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	3.87	75.0	32	.	1.0	89	161	.	.	4.0	2.0	.	.	.
2 MJ-50;ARTEMOVKA/	4.94	74.4	38	.	1.0	98	157	.	.	4.0	2.0	.	.	.
3 PERLO;M-4-2	4.70	78.1	35	.	1.0	93	158	.	.	3.0	2.0	.	.	.
4 PRIBOY;BEZ-1/ODK	4.83	78.0	39	.	2.0	95	157	.	.	4.0	2.0	.	.	.
5 ABSOLVENT	4.25	78.2	38	.	1.0	88	158	.	.	3.0	2.0	.	.	.
6 ODESSA-4	4.46	78.4	39	.	1.0	98	157	.	.	4.0	2.0	.	.	.
7 KARAT;M-4-3;BEZ-	4.29	78.4	35	.	1.0	95	159	.	.	4.0	2.0	.	.	.
8 FUNDULEA(F29-76)	4.98	77.3	33	.	1.0	95	157	.	.	4.0	2.0	.	.	.
9 SIOUXLAND	4.96	78.0	33	.	3.0	95	156	.	.	3.0	2.0	.	.	.
10 KA85-10	4.02	79.0	36	.	1.0	93	158	.	.	5.0	2.0	.	.	.
11 W10;M-4-4	2.68	71.4	36	.	1.0	74	161	.	.	3.0	2.0	.	.	.
12 URBAN	3.74	75.4	31	.	1.0	79	161	.	.	3.0	2.0	.	.	.
13 LOVRIN-32	4.51	78.0	39	.	1.0	75	158	.	.	5.0	2.0	.	.	.
14 ODESSKAYA-51	4.52	79.3	36	.	1.0	95	157	.	.	4.0	2.0	.	.	.
15 NE-78414	4.59	76.0	31	.	5.0	85	156	.	.	3.0	2.0	.	.	.
16 TXGH-2875	4.68	76.3	36	.	1.0	80	156	.	.	3.0	2.0	.	.	.
17 ORBITA	4.76	77.5	41	.	1.0	93	158	.	.	4.0	2.0	.	.	.
18 TW84BU039;FRC/PB	4.83	77.3	37	.	1.0	90	157	.	.	4.0	2.0	.	.	.
MEANS	4.42	77.0	36	.	1.3	89	158	.	.	3.7	1.9	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE;FALL RED WHEAT 1987-88
 LOCATION - RIDGETOWN
 MANAGEMENT - INTENSIVE

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	4.80	76.9	41	100	.	88	62	1.0	.	.	.	.	.	.
2 MJ-50;ARTEMOVKA/	6.46	76.4	46	100	.	89	56	2.0	.	.	.	.	.	.
3 PERLO;M-4-2	5.50	78.1	41	100	.	88	59	2.0	.	.	.	.	.	.
4 PRIBOY;BEZ-1/ODK	6.14	78.7	44	100	.	85	55	2.0	.	.	.	.	.	.
5 ABSOLVENT	5.25	78.8	43	100	.	82	56	3.0	.	.	.	.	.	.
6 ODESSA-4	5.38	77.6	45	100	.	90	56	.0	.	.	.	.	.	.
7 KARAT;M-4-3;BEZ-	5.33	78.6	40	100	.	90	58	1.0	.	.	.	.	.	.
8 FUNDULEA(F29-76)	6.29	78.3	41	100	.	91	55	.0	.	.	.	.	.	.
9 SIOUXLAND	5.96	76.8	36	100	.	86	53	.0	.	.	.	.	.	.
10 KA85-10	6.12	79.4	43	100	.	86	57	1.0	.	.	.	.	.	.
11 W10;M-4-4	3.91	74.3	46	82	.	78	62	.0	.	.	.	.	.	.
12 URBAN	4.75	77.3	39	92	.	74	63	.0	.	.	.	.	.	.
13 LOVRIN-32	5.87	78.7	45	100	.	76	53	1.0	.	.	.	.	.	.
14 ODESSKAYA-51	5.88	78.7	43	100	.	84	54	2.0	.	.	.	.	.	.
15 NE-78414	6.25	76.5	37	100	.	87	53	1.0	.	.	.	.	.	.
16 TXGH-2875	6.10	78.0	41	100	.	75	50	.0	.	.	.	.	.	.
17 ORBITA	6.12	76.6	47	100	.	86	56	2.0	.	.	.	.	.	.
18 TW84BU039;FRC/PB	6.13	78.0	43	100	.	83	54	2.0	.	.	.	.	.	.
MEANS	5.68	77.6	42	99	.	84	56	1.1	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO PERFORMANCE; FALL RED WHEAT 1987-88

LOCATION - HARRISTON

MANAGEMENT - INTENSIVE

KEY CULTIVAR #	YLD T/HA	TSTW K/HL	KW MG	SUR %	LOG 0-9	HT CM	HD *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL	SSM 0-9	BYD 0-9
1 MONOPOL	3.90	73.0	37	96	.	76	60	.	.	7.0	.	.	.	.
2 MJ-50; ARTEMOVKA/	4.94	72.5	39	96	.	81	56	.	.	5.0	.	.	.	.
3 PERLO; M-4-2	3.95	74.3	35	86	.	78	59	.	.	5.0	.	.	.	.
4 PRIBOY; BEZ-1/ODK	4.62	74.1	36	91	.	79	56	.	.	6.0	.	.	.	.
5 ABSOLVENT	4.57	75.4	37	95	.	77	56	.	.	6.0	.	.	.	.
6 ODESSA-4	4.10	73.5	40	95	.	79	56	.	.	5.0	.	.	.	.
7 KARAT; M-4-3; BEZ-	4.10	73.4	35	89	.	80	58	.	.	5.0	.	.	.	.
8 FUNDULEA (F29-76)	4.40	75.1	35	94	.	79	56	.	.	6.0	.	.	.	.
9 SIOUXLAND	4.32	74.2	30	90	.	82	54	.	.	6.0	.	.	.	.
10 KA85-10	4.43	73.9	34	94	.	78	56	.	.	6.0	.	.	.	.
11 W10; M-4-4	3.63	68.7	35	87	.	75	61	.	.	5.0	.	.	.	.
12 URBAN	3.60	68.7	30	87	.	70	62	.	.	6.0	.	.	.	.
13 LOVRIN-32	4.07	72.9	41	92	.	70	53	.	.	7.0	.	.	.	.
14 ODESSKAYA-51	4.80	76.0	38	95	.	79	53	.	.	6.0	.	.	.	.
15 NE-78414	4.43	74.4	33	89	.	76	55	.	.	6.0	.	.	.	.
16 TXGH-2875	4.05	74.0	35	87	.	64	50	.	.	6.0	.	.	.	.
17 ORBITA	4.66	75.4	43	96	.	81	56	.	.	6.0	.	.	.	.
18 TW84BU039; FRC/PB	4.82	74.1	36	94	.	78	54	.	.	7.0	.	.	.	.
MEANS	4.30	73.5	36	92	.	77	56	.	.	5.8	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

