

Department of Crop Science

119-01-92 $\frac{110}{34}$

1992 PROGRESS REPORT

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



Reproductions of information contained in this publication is authorized only when the location of the test and the years covered by the test are included in such reproduction.

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

AGRICULTURE CANADA

Harrow Research Station
Kapuskasing Experimental Farm
Plant Research Centre, Ottawa

ONTARIO MINISTRY OF AGRICULTURE AND FOOD

Agricultural Representatives Branch
Alfred College of Agriculture and Food Technology
Kemptonville College of Agricultural Technology
New Liskeard College of Agricultural Technology
Plant Industry Branch
Ridgetown College of Agricultural Technology

UNIVERSITY OF GUELPH

Ontario Agricultural College

SEED TRADE

C & M Seed Sales Inc.
W.G. Thompson & Sons Limited

Additional copies of this report available from:

Crop Science Department
Ontario Agricultural College
University of Guelph
Guelph, Ontario
N1G 2W1

TABLE OF CONTENTS

Introduction		1
Barley		
Description of varieties		3
Mean yields		5
1992 data		11
Oats		
Description of varieties		29
Mean yields		31
1992 data		38
Winter Barley		
Description of varieties		56
Mean yields and summary		57
1992 data		58
Soft White Winter Wheat		
Description of varieties		60
Mean yields and summary		62
1992 data		70
Red Winter Wheat		
Description of varieties		78
Mean yields and summary		79
1992 data		83
Red Spring Wheat		
Description of varieties		90
Mean yields and summary		91
1992 data		96
Spring Durum Wheat		
description of varieties		101
Mean yields and summary		102
1992 data		103
Co-operators 1992		108

The Regional Trials reported in this book are coordinated by Dr. L.A. Hunt and Dr. D.E. Falk, Crop Science Department, OAC, University of Guelph under the mandate of the OMAF Cereals Project (Program 20). Glen Meatherall, Qinglai Sheng, and Zorka Szlavnic conduct the data analysis, prepare and distribute the Progress Reports which are the basis for recommendations in OMAF Publication 296.

INTRODUCTION

In 1992, Regional Tests of spring barley, oats, wheat, winter wheat and winter barley were conducted in cooperation with the members of the Ontario Soil and Crop Improvement Association, commercial plant breeders, CAT Colleges and Agriculture Canada. Certified seed for registered cultivars was generously provided by W.G. Thompson and Sons Ltd., U.C.O. and First Line Seeds.

SPRING CEREALS

Reliable test data were obtained from 18 machine planted and harvested locations for spring barley, and 14 for oats across the province in 1992. This year the 3rd year entries in the Registration trials were also included in the Regional Tests so that two years of data would be available by the time cultivars would be commercially available in Ontario. The yields in 1992 were up from the 1991 yields with barley averaging 5.17 t/ha and oats averaging 4.77 t/ha across the test locations. Area V had the highest average yields for barley and for oats. Area I had the lowest barley yields while Areas II and IV had the lowest yields for oats.

Spring Barley. Across the province, the highest yielding two-rowed barley cultivar was Lester at 5.22 t/ha. This was followed by QB243.13 (5.15 t/ha), AB128.5 (5.13 t/ha), Symko (5.13 t/ha) and Morrison (5.12 t/ha). In the major barley growing region, Lester (4.67 t/ha) was highest yielding in Area II and Frin (5.56 t/ha) in Area IV. The highest yielding six-rowed barley across the province was Chapais (5.76 t/ha) followed by AC Stephen (5.47 t/ha) and TB 891-6 (5.28 t/ha). AC Stephen was highest yielding in Area II (5.05 t/ha) and in Area IV (5.96 t/ha). The overall yields were highest in Area V (6.16 t/ha) with Chapais (6.93 t/ha) yielding nearly 7 tonnes per hectare. In the two year average (1991-92), Chapais (5.32 t/ha) was highest overall, followed by AC Stephen (5.07 t/ha), TB 891-6 (5.04 t/ha) and BT490 (5.03 t/ha); the highest two-rowed barley was Lester (4.90 t/ha). There was considerable lodging and late maturity leading to harvesting problems in most Areas. Due to the wet, cold conditions of 1992, heights were greater, and disease was also prevalent. Some scald was also noted, particularly on two-rowed cultivars, there was more mildew than usual with the six-rowed cultivars generally being more susceptible. The resistance in OAC Kippen, and other lines with the Mlg gene, appears to be breaking down. There was very little BYDV in 1992 and diseases overall did not cause too much yield loss.

Oats. Reliable data were obtained from 14 sites in 1992. Hulless oats are reported separately from covered oats in the Tables with the overall average for hulless oats being 3.10 t/ha and covered oats being 4.77 t/ha. The highest yielding hulless oats were both AC Lotta and AC Hill at 3.33 t/ha and the highest yielding covered oat was Donegal (5.29 t/ha). In the major oat growing region, the highest yielding oats in Area II were Ultima (4.41 t/ha), A.C. Rigodon (4.37) and Robert (4.26) and hulless AC Lotta (2.80). In Area III, Ultima (5.21), Donegal (5.18) along with hulless AC Hill (3.40) were highest yielding. In Area IV, Donegal (3.86 t/ha) and Ultima (3.71) and hulless AC Hill (2.67) were highest yielding. In the two-year average (1991-92), AC Rigodon (4.58 t/ha) and hulless AC Lotta (3.05 t/ha) were highest yielding. The 1992 season was not particularly good for oats with considerable lodging and very late maturities, often accompanied by high amounts of regrowth. Rust was not generally too bad but septoria was more widespread than usual.

Spring Wheat. Yield data were obtained from 6 locations in 1992, 3 from Area II, 1 from Area III, and 2 from Area V. The overall average yield was 4.35 t/ha. AC Reed, a soft white spring wheat developed at Agriculture Canada in Lethbridge, Alberta, ranked first with a yield of 4.68 t/ha. Celtic had the highest test weight and lowest septoria scores. Roblin had the highest kernel weight and equalled AC Reed with the lowest head blight scores. Norseman had the lowest mildew score amongst the entries.

Spring Durum Wheat. The average yield for the 1992 test was 3.86 and was based on the average of 6 locations. Edmore had an advantage over Medora with respect to yield and kernel weight; lodging, mildew and head blight scores were slightly lower than those for Medora. Medora had a higher test weight and a lower septoria score than Edmore.

WINTER CEREALS

Winter Barley. Data were obtained from five sites in 1991-92. Winter kill was quite variable and recovery was quite good in most areas due to the cool early spring and summer. OAC Elmira was the highest yielding winter barley in both Area I and Area II in 1992, as well as over the eight year average (1985-1992). OAC Elmira had the highest hectalitre weight, smallest kernel weight, best lodging resistance, best scald resistance, best leaf rust resistance and best mildew resistance but had some spot blotch problems and was the latest maturing.

Soft, White Winter Wheat. There were a total of 10 sites reporting yield in the 1992 season, 5 from each of Areas I and II. Poor winter survival in Area III resulted in the loss of yield data at all sites. The average yield of the regional trial was 6.0 t/ha. The highest average yield in Areas I and II was obtained by AC Ron. On a provincial basis, Zavitz had the highest kernel weight as well as the lowest leaf rust score. Harus had the highest test weight and lowest lodging score. Annette had the lowest mildew score and Harmil showed the best resistance to SSMV.

Red Winter Wheat. Yield data were obtained from six test sites, 2 from Area I and 4 from Area II. Because of severe winterkill there were no yield data recorded in Area III for the 1992 season. Ruby outyielded all entries in Area II whereas Fundulea had the highest overall yield in Area I. In the provincial averages Ruby had the highest test weight and winter survival percentage as well as the lowest scores with respect to leaf rust, glume blotch, and SSMV. Lucas had the highest kernel weight and lowest mildew score, Fundulea had the lowest lodging and BYDV scores.

GROWING CONDITIONS

The autumn of 1991 was good in most districts with most of the intended winter cereal acreage being sown. Because of the good fall conditions, there was good hardening. Mid winter cold and early spring wet conditions resulted in winter kill in many, but surviving crops were generally in good condition going into spring.

Spring sowing conditions were generally cold and wet for most spring cereals. After a fairly cool spring, some heat came in early June. July was again wet with thunderstorms in many areas. There was considerable lodging due to severe thunderstorms throughout the summer. Yields tended to be average, overall quality was only fair. Harvest dates were quite late in most of the province with poor field conditions causing as many problems as unripe crops.

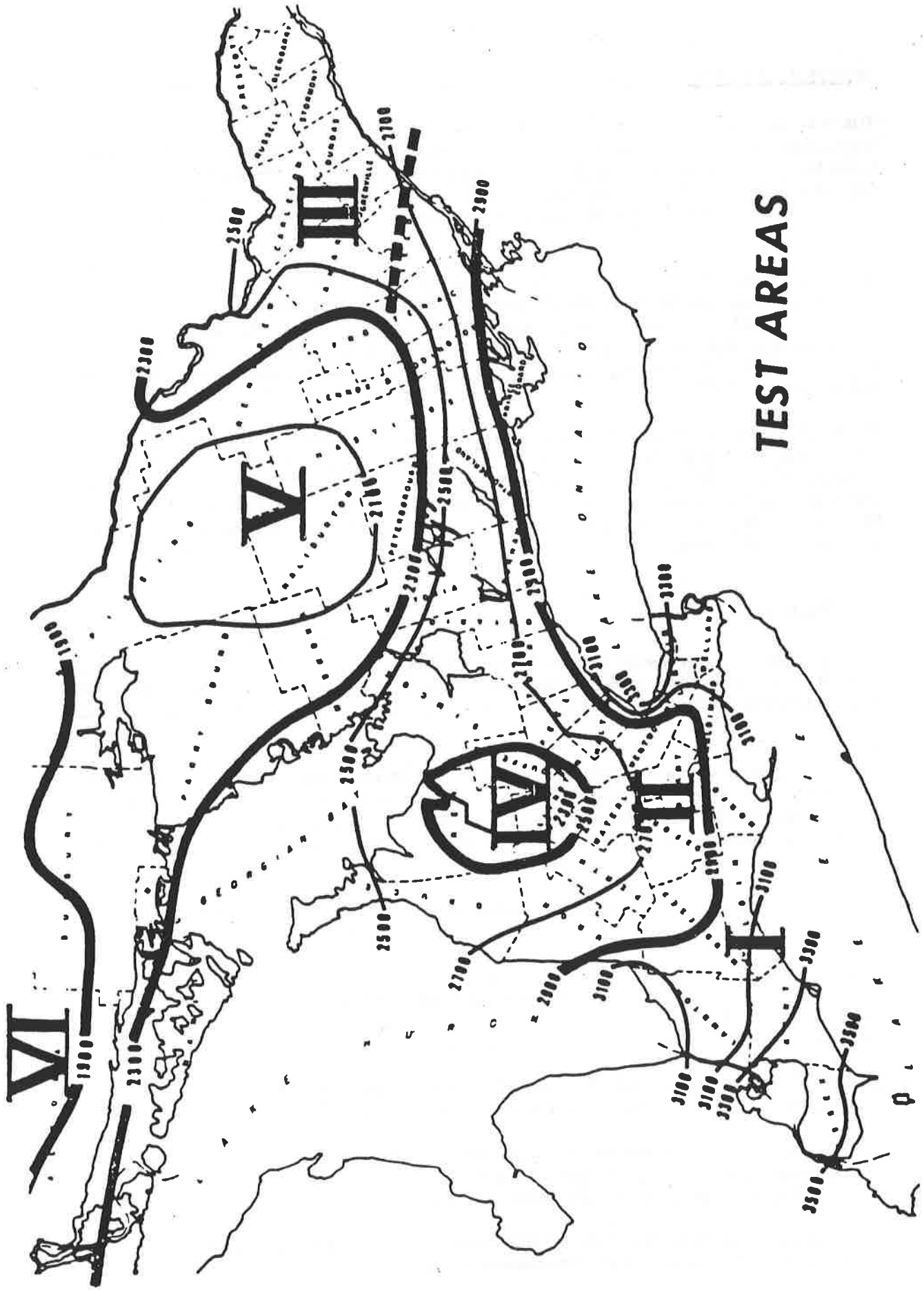
The testing areas for the Regional Testing program in Ontario are outlined by using the enclosed heat unit map as a guide.

- | | |
|---------------|--|
| 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 plain (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 1992 tests and the average performance of cultivars over the past several 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 - "1993 Field Crop Recommendations for Ontario".

TEST AREAS



DESCRIPTION OF CULTIVARS IN REGIONAL TESTS, 1992

BARLEY

- Albany** - two-rowed, rough awned, 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.
- Frin (MB-88-3)** - a two-rowed, rough awned barley introduced by C & M Seeds. Pedigree not revealed. Registered in 1992.
- Lester (TBR 579-5)** - a two-rowed, rough awned barley developed by W.G. Thompson from the cross UPBS60/UPBS66//Rodeo. Registered in 1990.
- Morrison** - two-rowed, rough awned, barley developed by Agriculture Canada, Ottawa from the cross Rodeo/Gitane. Registered in 1989.
- Symko** - two-rowed, rough awned, barley developed by Agriculture Canada, Ottawa from the cross Rodeo/Gitane. Registered in 1989.
- QB 243.13** - a two-rowed, rough awned barley developed by Agriculture Canada at Ste-Foy from a cross AB53-4/Rodeo//OB440/Rodeo. Not registered for sale in Canada.
- MB 89-4** - a two-rowed, rough awned barley tested by C & M Seeds from the breeding line FR4064-85. Not registered for sale in Canada.
- AB 128-5** - a two-rowed, rough awned barley developed by Agriculture Canada, Charlottetown from the cross Micmac/K75-10/2/Rodeo. Not registered for sale in Canada.
- AB 143-3** - a two-rowed, rough awned barley developed by Agriculture Canada, Charlottetown from the cross Leger/Gitane. Not registered for sale in Canada.
- AC Burman (OB907-33)** - a six-rowed, smooth awned barley developed by Agriculture Canada, Ottawa, from a cross of Leger/Bruce//2* Leger. AC Burman is being marketed by C & M Seeds. Registered in 1991.
- AC Stephen (OB956-13)** - a six-rowed barley developed by Agriculture Canada, Ottawa from the cross OAC Kippen/Leger. Registered in 1992.
- Bella (OS85-08.92)** - a six-rowed, rough awned barley developed by Semico from a cross of Loyala/Trent. Registered in 1992.
- Chapais** - six-rowed, rough awned, barley developed by Agriculture Canada, Ste. Foy from the cross QB58.14/Beacon//BT904. Registered in 1988.
- Etienne** - six-rowed, smooth awned, barley developed by W.G. Thompson from the cross of Perth/R10-501. Registered in 1988.
- Leger** - six-rowed, smooth awned, barley developed by the Ottawa Research Station from the cross Trent/Vanier. It has high yield, long but strong straw. Susceptible to new races of mildew. Registered in 1982.

- Maskot** - six-rowed, rough awned, barley developed by King Agro from the cross QB167.21/OB193-11. Registered in 1989.
- OAC Kippen** - six-rowed, semi-rough awned, barley developed by OAC, University of Guelph from a cross of OB141-1/Perth. High yielding, good hectolitre 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.
- Sabina** - six-rowed, rough awned, barley developed by King Agro from the cross QB167.21/OB193.11. Registered in 1989.
- TB 891-6** - a six-rowed barley developed by W.G. Thompson from the cross Vanier/Keystone//421/3/3-51. Registered in 1992.
- BT490** - a six-rowed, rough awned barley introduced by OAC from the Western Six-Row Registration test. The line was developed by the Crop Development Center, Saskatoon, from the cross Diamond/Duke. Not registered for sale in Canada.
- QB 232.7** - a six-rowed barley developed by Agriculture Canada, Ste-Foy from the cross Leger/QB 173.26. Not registered for sale in Canada.

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1992

Cultivar	I (2)**		II (3)		III (6)		IV (2)		V (4)		VI (1)		PROVINCE*** (18)		
	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	3.26	20	3.98	18	5.24	15	4.95	16	6.15	8	4.94	10	4.96	4431	92.3
Frin	3.14	21	4.27	13	5.34	11	5.56	4	5.76	20	5.19	6	5.03	4491	93.6
Lester	3.48	16	4.67	4	5.59	4	5.10	13	6.13	10	4.78	13	5.22	4664	97.2
Morrison	3.94	6	4.38	11	5.56	5	5.05	15	5.79	19	4.54	18	5.12	4572	95.3
Synko	3.97	5	4.40	10	5.51	7	4.56	19	6.14	9	4.44	21	5.13	4578	95.4
QB 243.13	4.08	4	4.63	5	5.28	13	5.42	8	5.87	18	4.76	14	5.15	4602	95.9
MB 89-4	3.82	11	4.54	8	5.28	13	5.45	6	5.54	21	4.88	11	5.05	4506	93.9
AB 128-5	3.58	15	4.54	8	5.41	9	5.31	9	5.99	15	4.51	19	5.13	4579	95.4
AB 143-3	3.83	10	3.95	21	5.74	2	4.35	21	6.06	12	4.82	12	5.09	4549	94.8
AC Burman	3.84	9	4.13	16	5.09	21	5.05	14	5.91	17	5.14	7	4.97	4437	92.4
AC Stephen	4.54	1	5.05	1	5.41	8	6.34	1	5.95	16	5.29	4	5.47	4883	101.7
Bella	4.25	2	4.57	7	5.20	19	5.43	7	6.02	14	4.72	17	5.17	4615	96.1
Chapais	4.12	3	4.96	3	5.89	1	5.78	2	6.93	1	6.01	1	5.76	5145	107.2
Etienne	3.91	7	4.26	14	5.19	20	5.51	5	6.02	13	5.10	8	5.11	4562	95.0
Leger	3.76	12	3.96	19	5.22	17	4.85	18	6.08	11	5.22	5	5.00	4461	92.9
Maskot	3.37	18	4.36	12	5.32	12	5.74	3	6.21	7	4.74	16	5.15	4602	95.9
OAC Kippen	3.62	14	4.60	6	5.23	16	5.11	12	6.23	6	4.45	20	5.11	4566	95.1
Sabina	3.33	19	3.96	20	5.21	18	4.93	17	6.32	5	5.51	3	5.03	4487	93.5
TB 891-6	3.71	13	4.96	2	5.34	10	5.14	11	6.39	3	4.76	14	5.28	4710	98.1
BT 490	3.37	17	4.19	15	5.66	3	4.49	20	6.57	2	5.59	2	5.23	4670	97.3
QB 232.7	3.86	8	4.12	17	5.53	6	5.27	10	6.37	4	5.05	9	5.24	4679	97.5
Mean	3.75	-	4.40	-	5.39	-	5.21	-	6.11	-	4.97	-	5.16	4608	96.0

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

BARLEY
MEAN YIELDS IN DIFFERENT AREAS*, 1992

Cultivar	I (2)**		II (3)		III (6)		IV (2)		V (4)		VI (1)		PROVINCE*** (18)		
	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	3.26	15	3.98	14	5.24	10	4.95	12	6.15	7	4.94	9	4.96	4431	92.3
Frin	3.14	16	4.27	10	5.34	8	5.56	4	5.76	16	5.19	6	5.03	4491	93.6
Lester	3.48	11	4.67	4	5.59	3	5.10	9	6.13	9	4.78	10	5.22	4664	97.2
Morrison	3.94	5	4.38	8	5.56	4	5.05	11	5.79	15	4.54	14	5.12	4572	95.3
Symko	3.97	4	4.40	7	5.51	5	4.56	15	6.14	8	4.44	16	5.13	4578	95.4
AC Burman	3.84	7	4.13	13	5.09	16	5.05	10	5.91	14	5.14	7	4.97	4437	92.4
AC Stephen	4.54	1	5.05	1	5.41	6	6.34	1	5.95	13	5.29	4	5.47	4883	101.7
Bella	4.25	2	4.57	6	5.20	14	5.43	6	6.02	12	4.72	13	5.17	4615	96.1
Chapais	4.12	3	4.96	3	5.89	1	5.78	2	6.93	1	6.01	1	5.76	5145	107.2
Etienne	3.91	6	4.26	11	5.19	15	5.51	5	6.02	11	5.10	8	5.11	4562	94.0
Leger	3.76	8	3.96	15	5.22	12	4.85	14	6.08	10	5.22	5	5.00	4461	92.9
Maskot	3.37	12	4.36	9	5.32	9	5.74	3	6.21	6	4.74	12	5.15	4602	95.9
OAC Kippen	3.62	10	4.60	5	5.23	11	5.11	8	6.23	5	4.45	15	5.11	4566	95.1
Sabina	3.33	14	3.96	15	5.21	13	4.93	13	6.32	4	5.51	3	5.03	4487	93.5
TB 891-6	3.71	9	4.96	2	5.34	7	5.14	7	6.39	3	4.76	11	5.28	4710	98.1
BT 490	3.37	12	4.19	12	5.66	2	4.49	16	6.57	2	5.59	2	5.23	4670	97.3
Mean	3.73	-	4.42	-	5.38	-	5.22	-	6.16	-	5.03	-	5.17	4616	96.2

* See attached map

** No. of locations

*** Weighted average

BARLEY
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1992

Cultivar	I	II	III	IV	V	VI	PROVINCE
Albany	87	90	97	95	100	98	96
Frin	84	97	99	106	93	103	97
Lester	93	106	104	98	100	95	101
Morrison	106	99	103	97	94	90	99
Symko	106	100	102	87	100	88	99
AC Burman	103	93	95	97	96	102	96
AC Stephen	122	114	101	121	97	105	106
Bella	114	103	97	104	98	94	100
Chapais	110	112	110	111	112	120	111
Etienne	105	96	97	106	98	102	99
Leger	101	90	97	93	99	104	97
Maskot	90	99	99	110	101	94	100
OAC Kippen	97	104	97	98	101	88	99
Sabina	90	90	97	94	103	110	97
TB 891-6	100	112	99	98	104	95	102
BT 490	91	95	105	86	107	111	101
Mean yield t/ha	3.73	4.42	5.38	5.22	6.16	5.03	5.17

BARLEY
MEAN YIELDS IN DIFFERENT AREAS, 1991-92

Cultivar	**I(2)*		II(5)		III(10)		IV(3)		V(8)		VI(2)		PROVINCE*** (30)		
	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	3.26	14	4.02	12	4.83	12	4.74	7	5.35	12	4.93	11	4.73	4220	87.9
Frin	3.14	15	4.17	7	4.78	13	5.05	4	5.19	15	5.31	5	4.74	4232	88.2
Lester	3.48	10	4.36	4	5.04	2	4.77	8	5.41	11	5.08	8	4.90	4372	91.1
Morrison	3.94	4	4.08	9	5.02	5	4.55	10	5.30	14	4.99	10	4.81	4299	89.6
Synko	3.97	3	4.17	7	4.95	7	4.17	15	5.47	10	4.69	15	4.80	4286	89.3
AC Burman	3.84	6	4.07	11	4.76	14	4.53	11	5.54	8	5.25	6	4.80	4286	89.3
AC Stephen	4.54	1	4.77	2	5.00	6	5.57	1	5.31	13	5.07	9	5.07	4529	94.3
Chapais	4.12	2	4.80	1	5.31	1	5.31	2	5.86	1	5.71	1	5.32	4748	98.9
Etienne	3.91	5	4.18	6	4.84	11	4.83	6	5.53	9	5.14	7	4.87	4350	90.6
Leger	3.76	7	3.89	14	4.90	8	4.38	12	5.58	7	5.50	3	4.82	4307	89.7
Maskot	3.37	11	4.00	13	4.76	14	5.16	3	5.64	6	4.85	13	4.82	4305	89.7
OAC Kippen	3.62	9	4.34	5	4.86	10	4.60	9	5.67	4	4.88	12	4.88	4359	90.8
Sabina	3.33	13	3.80	15	4.89	9	4.38	12	5.67	4	5.45	4	4.80	4285	89.3
TB 891-6	3.71	8	4.61	3	5.04	2	4.86	5	5.77	3	4.74	14	5.04	4496	93.7
BT 490	3.37	11	4.08	9	5.31	1	4.21	14	5.86	1	5.51	2	5.03	4488	93.5
Mean	3.69	-	4.22	-	4.95	-	4.74	-	5.54	-	5.14	-	4.89	4370	91.0

* no. of locations

** 1992 data only

*** weighted average

BARLEY
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1991-92

Cultivar	*I	II	III	IV	V	VI	PROVINCE
Albany	88	95	98	100	96	96	97
Frin	85	99	97	107	94	103	97
Lester	94	103	102	101	98	99	100
Morrison	107	97	101	96	96	97	98
Symko	108	99	100	88	99	91	98
AC Burman	104	96	96	96	100	102	98
AC Stephen	123	113	101	117	96	99	104
Chapais	112	114	107	112	106	111	109
Etienne	106	99	98	102	100	100	100
Leger	102	92	99	92	101	107	99
Maskot	91	95	96	109	102	94	99
OAC Kippen	98	103	98	97	102	95	100
Sabina	90	90	99	92	102	106	98
TB 891-6	101	109	102	102	104	92	103
BT 490	91	97	107	89	106	107	103
Mean yield t/ha	3.69	4.22	4.95	4.74	5.54	5.14	4.89

*1992 data only

BARLEY
MEAN YIELDS IN DIFFERENT AREAS, 1990-92

Cultivar	**I(4)*		II(8)		III(14)		IV(4)		V(12)		VI(3)		PROVINCE*** (45)		
	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	3.40	7	3.95	8	4.25	9	4.84	6	5.04	11	3.87	10	4.36	3891	81.1
Lester	3.49	5	4.20	2	4.38	2	4.98	4	5.07	9	4.04	6	4.48	4002	83.4
Morrison	3.93	1	3.99	6	4.33	6	4.68	9	5.05	10	4.03	7	4.44	5961	82.5
Symko	3.76	2	4.03	5	4.38	2	4.38	11	5.23	7	3.79	11	4.45	3973	82.8
AC Burman	3.53	4	3.99	6	4.11	11	4.83	8	5.43	2	4.17	4	4.46	3979	82.9
Chapais	3.59	3	4.70	1	4.50	1	5.50	1	5.72	1	4.74	1	4.88	4359	90.8
Etienne	3.43	6	4.19	3	4.32	7	5.18	3	5.35	4	4.08	5	4.55	4064	84.7
Leger	3.31	8	3.90	9	4.38	2	4.66	10	5.38	3	4.42	2	4.49	4012	83.6
Maskot	2.96	10	3.84	10	4.18	10	5.28	2	5.11	8	3.93	9	4.34	3875	80.7
OAC Kippen	3.16	9	4.18	4	4.31	8	4.86	5	5.35	4	4.02	8	4.49	4010	83.5
Sabina	2.84	11	3.77	11	4.34	5	4.84	6	5.29	6	4.39	3	4.40	3931	81.9
Mean	3.40	-	4.06	-	4.32	-	4.91	-	5.27	-	4.13	-	4.49	4005	83.4

* no. of locations; **1990, 1992 data only; ***weighted average

DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1990-92

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	100	98	97	98	98	98	99	99	96	96	94	94	97	97
Lester	103	101	103	101	101	101	101	101	96	96	98	98	100	100
Morrison	116	100	98	100	100	100	95	95	96	96	97	97	99	99
Symko	111	102	99	102	102	102	89	89	99	99	92	92	99	99
AC Burman	104	95	98	95	95	95	98	98	103	103	101	101	99	99
Chapais	106	104	116	104	104	104	112	112	108	108	115	115	109	109
Etienne	101	100	103	100	100	100	105	105	101	101	99	99	101	101
Leger	97	101	96	101	101	101	95	95	102	102	107	107	100	100
Maskot	87	97	95	97	97	97	107	107	97	97	95	95	97	97
OAC Kippen	93	100	103	100	100	100	99	99	101	101	97	97	100	100
Sabina	84	100	93	100	100	100	98	98	100	100	106	106	98	98
Mean yield t/ha	3.40	4.32	4.06	4.32	4.32	4.32	4.91	4.91	5.27	5.27	4.13	4.13	4.49	4.49

* 1990, 1992 data only

**TESTING AREA I
BARLEY
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel weight g/1000 (2)	Height cm (2)	Lodging 0-9 (2)	Maturity ^a days (-)	Mildew 0-9 (1)
Albany	3.26	59.8	33.5	79	5.5	-	0.0
Frin	3.14	58.1	34.0	73	5.0	-	0.0
Lester	3.48	62.8	37.5	69	5.0	-	0.0
Morrison	3.94	64.3	37.8	73	3.5	-	0.0
Symko	3.97	65.5	38.5	90	4.5	-	0.0
QB 243.13	4.08	62.0	36.0	88	4.5	-	0.0
MB 89-4	3.82	66.1	36.3	82	3.0	-	0.0
AB 128-5	3.58	63.2	38.6	89	5.0	-	0.0
AB 143-3	3.83	59.0	41.6	89	5.0	-	0.0
AC Burman	3.84	59.5	31.3	99	4.0	-	0.0
AC Stephen	4.54	61.6	35.2	98	3.5	-	0.0
Bella	4.25	63.3	33.0	89	4.0	-	2.0
Chapais	4.12	58.6	38.5	81	3.5	-	0.0
Etienne	3.91	61.4	32.4	87	3.5	-	1.0
Leger	3.76	56.0	32.5	99	4.0	-	1.0
Maskot	3.37	59.5	32.2	92	3.0	-	0.0
OAC Kippen	3.62	61.0	32.4	96	4.0	-	0.0
Sabina	3.33	59.6	31.5	93	4.0	-	0.0
TB 891-6	3.71	60.1	27.8	90	4.0	-	0.0
BT 490	3.37	54.0	30.7	87	5.0	-	1.0
QB 232.7	3.86	58.1	31.8	95	3.0	-	1.0

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA I
BARLEY
AGRONOMIC DATA, 1991-92**

Cultivar	Yield t/ha** (2)*	hl/wt kg (3)	Kernel weight g/1000** (2)	Height cm (3)	Lodging 0-9 (3)	Maturity ^a days*** (1)
Albany	3.26	60.2	33.5	78	4.2	86
Frin	3.14	61.0	34.0	72	3.6	84
Lester	3.48	62.5	37.5	72	3.7	86
Morrison	3.94	62.6	37.8	74	2.7	86
Symko	3.97	60.4	38.5	88	3.6	86
QB 243.13	4.08	62.9	36.0	86	3.7	84
AC Burman	3.84	60.0	31.3	95	4.0	84
AC Stephen	4.54	59.5	35.2	95	3.3	87
Chapais	4.12	59.2	38.5	77	2.8	88
Etienne	3.91	62.8	32.4	85	2.9	87
Leger	3.76	58.6	32.5	97	3.4	87
Maskot	3.37	57.5	32.2	93	2.7	89
OAC Kippen	3.62	59.2	32.4	94	3.1	88
Sabina	3.33	61.2	31.5	91	3.2	88
TB 891-6	3.71	59.1	27.8	86	3.2	88
BT 490	3.37	56.5	30.7	83	3.8	86
QB 232.7	3.86	59.0	31.8	92	2.4	88

^a no. of days from seeding to maturity; *no. of locations; **1992 data only; ***1991 data only

AGRONOMIC DATA, 1990-92

Cultivar	Yield t/ha** (2)*	hl/wt kg (3)	Height cm (3)	Lodging 0-9*** (3)	Maturity ^a days**** (1)
Albany	3.40	61.1	78	4.2	89
Lester	3.49	63.9	73	3.7	89
Morrison	3.93	64.1	74	2.7	90
Symko	3.76	62.6	86	3.6	89
AC Burman	3.53	59.3	93	4.0	91
Chapais	3.59	60.7	76	2.8	88
Etienne	3.43	62.3	85	2.9	89
Leger	3.31	58.5	88	3.4	90
Maskot	2.96	62.2	86	2.7	90
OAC Kippen	3.16	61.6	91	3.1	89
Sabina	2.84	62.0	91	3.2	90

^a no. of days from seeding to maturity; * no. of locations; ** 1990, 1992 data only; *** 1991-92 data only; **** 1990-91 data only

**TESTING AREA I
BARLEY
Yield in kg per ha, 1992**

Cultivar	Kent I	Lambton	Average			Rank
			t/ha	lbs/a	bu/a	
Albany	3340	3180	3.26	2911	60.6	20
Frin	3280	2990	3.14	2799	58.3	21
Lester	3400	3560	3.48	3107	64.7	16
Morrison	3850	4020	3.94	3513	73.2	6
Symko	3560	4380	3.97	3545	73.8	5
QB 243.13	4060	4090	4.08	3638	75.8	4
MB 89-4	3950	3690	3.82	3411	71.1	11
AB 128-5	3350	3800	3.58	3192	66.5	15
AB 143-3	3560	4100	3.83	3420	71.2	10
AC Burman	3870	3810	3.84	3429	71.4	9
AC Stephen	5010	4060	4.54	4049	84.4	1
Bella	4930	3560	4.25	3790	79.0	2
Chapais	4150	4090	4.12	3679	76.6	3
Etienne	4460	3350	3.91	3487	72.6	7
Leger	3610	3900	3.76	3353	69.8	12
Maskot	3220	3510	3.37	3004	62.6	18
OAC Kippen	3860	3380	3.62	3232	67.3	14
Sabina	3170	3490	3.33	2973	61.9	19
TB 891-6	3650	3770	3.71	3313	69.0	13
BT 490	3590	3150	3.37	3009	62.7	17
QB 232.7	3760	3960	3.86	3446	71.8	8
Mean	3790	3710	3.75	3348	69.8	-
C.V.%	10.5	8.6	-	-	-	-
LSD (0.05)	560	450	-	-	-	-

**TESTING AREA II
BARLEY
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (3)*	hl/wt kg (3)	Ker/wt g/1000 (3)	Height cm (3)	Lodging 0-9 (2)	Maturity ^a days (2)	Leaf Rust 0-9 (2)	Mildew 0-9 (2)	Helm 0-9 (2)	B.Y.D.V. 0-9 (1)	Scald 0-9 (1)
Albany	3.98	61.8	38.3	83	0.9	90	2.0	0.4	4.2	1.3	5.0
Frin	4.27	64.0	40.5	77	0.5	91	1.0	0.5	4.2	1.3	4.5
Lester	4.67	64.2	41.2	79	0.4	90	1.9	0.4	4.7	3.0	5.5
Morrison	4.38	64.9	40.6	82	0.8	92	2.4	0.8	4.4	1.8	5.8
Symko	4.40	65.0	40.1	87	0.7	92	3.5	0.7	4.8	1.3	7.3
QB 243.13	4.63	62.8	41.0	88	1.0	89	3.0	0.8	5.4	2.0	3.0
MB 89-4	4.54	65.3	36.1	84	0.0	91	2.4	0.0	5.0	2.8	6.5
AB 128-5	4.54	64.8	40.9	95	0.3	93	2.3	0.0	4.8	1.8	6.3
AB 143-3	3.95	57.3	44.1	84	2.3	91	2.2	2.0	5.7	1.3	4.5
AC Burman	4.13	59.6	34.0	96	0.0	90	5.4	2.0	4.7	1.5	4.5
AC Stephen	5.05	62.2	37.5	96	0.3	90	4.3	0.8	4.4	2.0	2.5
Bella	4.57	62.5	36.9	93	0.0	88	4.0	1.5	6.5	2.8	7.5
Chapais	4.96	59.4	40.6	76	0.5	89	2.8	0.5	6.2	2.5	2.8
Etienne	4.26	61.5	36.5	83	0.5	91	6.8	4.0	6.0	2.8	2.0
Leger	3.96	60.0	34.7	93	0.0	90	5.2	3.5	5.8	2.3	3.0
Maskot	4.36	61.9	36.7	98	0.4	92	4.0	0.4	2.4	1.8	3.0
OAC Kippen	4.60	63.6	37.4	92	1.8	90	3.4	1.8	4.0	2.8	2.5
Sabina	3.96	61.4	35.2	98	1.3	91	6.5	1.3	4.0	2.5	3.5
TB 891-6	4.96	62.0	34.3	90	0.0	92	3.0	0.0	4.2	1.3	2.0
BT 490	4.19	57.8	35.4	90	2.2	91	4.5	2.7	6.2	1.3	3.0
QB 232.7	4.12	58.6	31.6	92	0.0	90	4.9	3.0	6.4	1.8	4.5

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA II
BARLEY
AGRONOMIC DATA, 1991-92**

Cultivar	Yield t/ha (5)*	hl/wt kg (5)	Kernel weight g/1000 (5)	Height cm (6)	Lodging 0-9 (3)	Maturity ^a days (4)	Leaf Rust 0-9 (4)	Helm 0-9 (3)
Albany	4.02	62.4	39.6	78	1.8	88	2.2	3.5
Frin	4.17	64.0	41.2	70	0.7	89	1.5	4.0
Lester	4.36	64.1	42.2	74	2.4	88	2.2	4.0
Morrison	4.08	64.9	41.2	77	1.2	89	2.1	3.8
Symko	4.17	65.1	41.0	81	1.6	89	4.4	3.7
QB 243.13	4.24	62.6	41.3	80	2.2	87	2.5	4.4
AC Burman	4.07	58.8	34.0	85	1.0	88	5.4	3.5
AC Stephen	4.77	62.1	38.1	85	0.7	89	3.4	3.6
Chapais	4.80	59.8	41.6	72	1.0	88	2.3	5.0
Etienne	4.18	60.0	35.4	80	0.8	89	5.3	4.3
Leger	3.89	59.7	35.2	85	0.8	89	4.4	4.4
Maskot	4.00	62.1	37.7	89	0.6	90	3.2	2.1
OAC Kippen	4.34	64.0	38.1	87	1.7	89	2.7	3.0
Sabina	3.80	60.4	35.5	84	1.5	89	5.3	3.5
TB 891-6	4.61	61.4	34.7	81	0.3	89	2.3	4.1
BT 490	4.08	56.3	35.2	81	2.6	89	4.3	4.8
QB 232.7	3.90	58.3	32.9	80	0.7	89	4.2	4.9

^a no. of days from seeding to maturity; *no. of locations

AGRONOMIC DATA, 1990-92

Cultivar	Yield t/ha (8)*	hl/wt kg (8)	Kernel weight g/1000 (8)	Height cm (9)	Lodging 0-9 (5)	Maturity ^a days (5)	Leaf Rust 0-9 (5)
Albany	3.95	62.5	40.0	80	2.9	91	3.1
Lester	4.20	64.0	42.3	76	3.2	90	3.3
Morrison	3.99	64.5	41.2	79	2.3	91	3.3
Symko	4.03	65.4	40.8	84	2.9	92	5.2
AC Burman	3.99	59.0	34.2	87	2.2	90	6.5
Chapais	4.70	60.3	42.8	75	2.2	90	3.8
Etienne	4.19	60.1	35.5	83	1.8	92	6.6
Leger	3.90	59.2	34.9	90	2.3	91	5.9
Maskot	3.84	62.3	37.3	89	1.5	93	4.7
OAC Kippen	4.18	63.2	37.3	89	2.6	91	4.5
Sabina	3.77	60.0	36.1	88	1.9	92	6.5

^a no. of days from seeding to maturity; * no. of locations

**TESTING AREA II
BARLEY
Yield in kg per ha, 1992**

Cultivar	Oxford	Middlesex I	Huron	Average			Rank
				t/ha	lbs/a	bu/a	
Albany	3627	3661	4648	3.98	3552	74.0	18
Frin	4221	3543	5041	4.27	3811	79.4	13
Lester	4794	3878	5343	4.67	4171	86.9	4
Morrison	4565	3386	5192	4.38	3912	81.5	11
Symko	4029	3681	5494	4.40	3930	81.9	10
QB 243.13	4788	3543	5554	4.63	4132	86.1	5
MB 89-4	4784	3425	5403	4.54	4051	84.4	9
AB 128-5	4774	3327	5524	4.54	4055	84.5	8
AB 143-3	4714	2874	4256	3.95	3525	73.4	21
AC Burman	4413	2894	5071	4.13	3684	76.7	16
AC Stephen	5400	3858	5886	5.05	4507	93.9	1
Bella	5013	3622	5071	4.57	4079	85.0	7
Chapais	5555	3799	5524	4.96	4428	92.2	3
Etienne	3978	3248	5554	4.26	3804	79.2	14
Leger	3861	3189	4830	3.96	3536	73.7	19
Maskot	4387	3130	5554	4.36	3890	81.0	12
OAC Kippen	5039	3602	5162	4.60	4108	85.6	6
Sabina	3813	2835	5222	3.96	3533	73.6	20
TB 891-6	4971	3681	6236	4.96	4431	92.3	2
BT 490	4643	3524	4407	4.19	3742	78.0	15
QB 232.7	4508	2835	5011	4.12	3677	76.6	17
Mean	4566	3407	5238	4.40	3932	81.9	-
C.V. %	8.5	6.8	8.4	-	-	-	-
LSD (0.05)	550	328	625	-	-	-	-

**TESTING AREA III
BARLEY
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (6)*	hl/wt kg (6)	Kernel weight g/1000 (5)	Height cm (6)	Lodging 0-9 (4)	Maturity ^a days (3)
Albany	5.24	68.2	49.8	85	1.9	104
Frin	5.34	67.6	50.4	81	1.5	104
Lester	5.59	68.2	52.0	82	2.7	104
Morrison	5.56	68.6	48.7	83	2.5	104
Symko	5.51	68.1	47.5	91	2.3	104
QB 243.13	5.28	67.1	48.5	89	1.9	103
MB 89-4	5.28	70.1	47.6	85	0.6	104
AB 128-5	5.41	68.2	46.6	92	3.1	104
AB 143-3	5.74	63.3	53.5	95	2.8	105
AC Burman	5.09	63.4	40.2	101	1.9	104
AC Stephen	5.41	63.4	42.3	101	2.2	104
Bella	5.20	65.0	53.7	95	1.9	104
Chapais	5.89	62.8	50.1	82	1.7	104
Etienne	5.19	64.0	41.7	94	2.1	104
Leger	5.22	64.5	42.9	102	1.8	104
Maskot	5.32	64.2	44.7	105	0.8	104
OAC Kippen	5.23	65.5	43.2	100	3.1	103
Sabina	5.21	65.9	44.8	104	1.4	104
TB 891-6	5.34	65.4	41.0	96	1.8	104
BT 490	5.66	62.0	42.3	92	3.1	104
QB 232.7	5.53	64.3	43.6	102	0.9	104

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA III
BARLEY
AGRONOMIC DATA, 1991-92**

Cultivar	Yield t/ha (10)*	hl/wt kg (12)	Kernel weight g/1000 (10)	Height cm (11)	Lodging 0-9 (5)	Maturity ^a days (6)
Albany	4.83	66.8	47.7	75	1.9	91
Frin	4.78	65.9	48.3	72	1.4	91
Lester	5.04	67.3	49.9	74	2.6	91
Morrison	5.02	67.8	47.7	75	2.2	92
Symko	4.95	67.5	46.8	82	2.1	92
QB 243.13	4.86	65.8	46.9	79	1.7	91
AC Burman	4.76	62.2	38.3	89	1.8	91
AC Stephen	5.00	62.4	40.5	88	2.0	91
Chapais	5.31	61.2	47.3	74	1.6	92
Etienne	4.84	62.8	40.0	84	2.0	91
Leger	4.90	62.5	40.3	90	1.6	92
Maskot	4.76	63.9	42.9	92	0.9	92
OAC Kippen	4.86	64.3	41.4	90	3.0	91
Sabina	4.89	64.2	42.9	90	1.4	92
TB 891-6	5.04	63.6	38.9	83	1.6	92
BT 490	5.31	59.6	40.2	80	2.9	92
QB 232.7	5.07	62.5	41.1	90	1.1	93

* no. of days from seeding to maturity; * no. of locations

AGRONOMIC DATA, 1990-92

Cultivar	Yield t/ha (14)*	hl/wt kg (17)	Kernel weight g/1000 (15)	Height cm (15)	Lodging 0-9 (7)	Maturity ^a days (9)
Albany	4.25	65.0	46.0	76	2.2	92
Lester	4.38	65.8	47.8	74	3.0	91
Morrison	4.33	66.1	46.9	75	2.6	92
Symko	4.38	66.0	46.1	82	2.6	93
AC Burman	4.11	61.5	38.0	88	1.4	92
Chapais	4.50	60.1	46.7	74	1.2	92
Etienne	4.32	61.7	39.3	83	1.6	92
Leger	4.38	61.4	39.5	90	1.4	92
Maskot	4.18	63.1	42.6	92	0.9	93
OAC Kippen	4.31	63.2	40.6	90	3.2	92
Sabina	4.34	63.2	42.3	90	1.5	93

* no. of days from seeding to maturity; * no. of locations

TESTING AREA III
BARLEY

Yield in kg per ha, 1992

Cultivar	Prescott					Stormont, Dundas & Glengarry		Average		
	Carleton I	Renfrew I	Lanark	& Russell	Grenville	t/ha	lbs/a	bu/a	Rank	
Albany	3878	4569	5730	6789	5374	5071	5.24	4674	97.4	15
Frin	3892	4381	6165	7111	5462	5004	5.34	4764	99.3	11
Lester	4071	5096	6543	6948	5557	5333	5.59	4992	104.0	4
Morrison	4259	5288	6325	6551	5410	5538	5.56	4966	103.5	5
Symko	4591	5260	5919	6350	5550	5374	5.51	4917	102.4	7
QB 243.13	3844	4814	5812	6655	5298	5259	5.28	4715	98.2	13
MB 89-4	4133	5296	6160	6403	4954	4715	5.28	4711	98.2	14
AB 128-5	4159	5220	6054	6497	5514	5004	5.41	4829	100.6	9
AB 143-3	5138	5201	6153	7149	6086	4710	5.74	5125	106.8	2
AC Burman	5034	4532	5057	6690	4888	4324	5.09	4542	94.6	21
AC Stephen	5258	4530	5352	7352	5253	4713	5.41	4830	100.6	8
Bella	4018	4358	6567	7056	4985	4299	5.20	4642	96.7	19
Chapais	4407	4997	6471	8647	5255	5571	5.89	5260	109.6	1
Etienne	4421	3295	5756	7219	5757	4715	5.19	4637	96.6	20
Leger	4677	4618	5243	7044	5004	4735	5.22	4661	97.1	17
Maskot	4512	4534	6413	6812	4904	4758	5.32	4752	99.0	12
OAC Kippen	4455	4571	5689	6208	6117	4364	5.23	4673	97.4	16
Sabina	4191	4818	6173	6399	4862	4842	5.21	4656	97.0	18
TB 891-6	4636	4633	6590	7302	4291	4616	5.34	4772	99.4	10
BT 490	5255	4456	5818	8014	5786	4631	5.66	5054	105.3	3
QB 232.7	5087	4830	6108	7677	5200	4294	5.53	4940	102.9	6
Mean	4472	4728	6009	6994	5306	4851	5.39	4815	100.3	-
C.V.%	8.9	11.1	7.8	5.8	12.6	10.4	-	-	-	-
LSD (0.05)	611	792	715	578	N.S.	716	-	-	-	-

**TESTING AREA IV
BARLEY
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel weight g/1000 (2)	Height cm (2)	Lodging 0-9 (1)	Maturity ^a days (1)	Mildew 0-9 (1)	Scald 0-9 (2)
Albany	4.95	59.7	40.5	80	1.5	98	0.0	4.0
Frin	5.56	57.6	40.6	78	0.0	99	0.0	4.0
Lester	5.10	59.6	42.4	78	1.0	99	0.5	4.3
Morrison	5.05	59.7	41.9	81	4.0	99	0.0	2.5
Symko	4.56	61.2	39.2	87	4.0	100	0.0	2.2
QB 243.13	5.42	60.8	41.0	87	0.0	98	0.0	3.5
MB 89-4	5.45	62.6	37.7	88	0.0	100	0.0	3.7
AB 128-5	5.31	60.9	41.4	95	0.5	101	0.0	2.4
AB 143-3	4.35	55.7	45.2	94	3.5	100	0.0	4.2
AC Burman	5.05	56.9	36.2	103	0.0	97	3.0	1.5
AC Stephen	6.34	58.5	41.1	102	0.5	99	3.0	1.0
Bella	5.43	57.7	35.7	95	3.0	99	5.5	2.9
Chapais	5.78	55.4	42.6	84	0.0	98	1.5	3.0
Etienne	5.51	55.5	34.1	96	0.0	100	5.0	1.8
Leger	4.85	55.6	34.0	107	0.5	98	5.5	1.3
Maskot	5.74	59.7	39.8	104	0.0	100	1.0	0.8
OAC Kippen	5.11	58.2	35.1	96	4.0	99	2.5	0.7
Sabina	4.93	57.2	36.6	107	0.0	101	1.5	1.5
TB 891-6	5.14	57.1	33.4	99	5.0	101	0.0	1.8
BT 490	4.49	51.6	33.0	89	3.5	99	4.5	1.5
QB 232.7	5.27	56.0	33.9	105	1.0	98	7.0	0.9

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA IV
BARLEY
AGRONOMIC DATA, 1991-92**

Cultivar	Yield t/ha (3)*	hl/wt kg (3)	Kernel weight g/1000 (3)	Height cm (3)	Lodging 0-9 (2)	Maturity ^a days (2)
Albany	4.74	60.8	41.4	74	0.8	91
Frin	5.05	58.7	41.3	69	0.0	92
Lester	4.77	58.4	42.7	71	0.5	91
Morrison	4.55	60.8	42.0	73	3.0	91
Symko	4.17	61.1	38.8	79	3.5	93
QB 243.13	4.69	61.3	40.9	79	1.0	90
AC Burman	4.53	56.4	34.9	93	0.0	90
AC Stephen	5.57	59.8	39.7	93	1.3	92
Chapais	5.31	57.1	42.4	77	0.0	90
Etienne	4.83	54.9	33.6	85	0.0	92
Leger	4.38	56.0	33.8	97	1.3	91
Maskot	5.16	60.6	38.5	96	0.0	93
OAC Kippen	4.60	58.3	35.2	89	4.0	92
Sabina	4.38	56.4	35.6	95	0.0	93
TB 891-6	4.86	58.6	33.5	87	2.5	92
BT 490	4.21	51.6	33.4	81	2.5	90
QB 232.7	4.56	55.4	32.6	93	0.5	91

* no. of days from seeding to maturity; * no. of locations

AGRONOMIC DATA, 1990-92

Cultivar	Yield t/ha (4)*	hl/wt kg (4)	Kernel weight g/1000 (4)	Height cm (4)	Lodging 0-9 (3)	Maturity ^a days (3)
Albany	4.84	62.3	41.9	76	0.8	93
Lester	4.98	61.3	43.9	72	0.9	92
Morrison	4.68	63.4	43.3	74	2.5	92
Symko	4.38	63.5	40.7	80	3.2	95
AC Burman	4.83	58.6	36.0	93	0.0	92
Chapais	5.50	58.5	43.6	80	0.9	91
Etienne	5.18	56.9	35.5	87	0.3	93
Leger	4.66	58.2	35.9	98	0.8	92
Maskot	5.28	62.3	39.5	96	0.3	95
OAC Kippen	4.86	60.8	36.8	89	3.2	93
Sabina	4.84	58.8	37.8	97	0.0	94

* no. of days from seeding to maturity; * no. of locations

**TESTING AREA IV
BARLEY**
Yield in kg per ha, 1992

Cultivar	Wellington I	Wellington II	Average			Rank
			t/ha	lbs/a	bu/a	
Albany	4435	5463	4.95	4419	92.1	16
Frin	5140	5984	5.56	4966	103.5	4
Lester	4883	5315	5.10	4553	94.8	13
Morrison	4362	5730	5.05	4505	93.9	15
Symko	3390	5734	4.56	4073	84.9	19
QB 243.13	4649	6185	5.42	4837	100.8	8
MB 89-4	4695	6197	5.45	4863	101.3	6
AB 128-5	4811	5813	5.31	4743	98.8	9
AB 143-3	4272	4418	4.35	3879	80.8	21
AC Burman	4104	6005	5.05	4513	94.0	14
AC Stephen	5529	7155	6.34	5663	118.0	1
Bella	4544	6315	5.43	4848	101.0	7
Chapais	5570	5992	5.78	5162	107.5	2
Etienne	4619	6407	5.51	4922	102.5	5
Leger	4059	5631	4.85	4326	90.1	18
Maskot	4559	6913	5.74	5121	106.7	3
OAC Kippen	3723	6497	5.11	4563	95.1	12
Sabina	3977	5892	4.93	4406	91.8	17
TB 891-6	4714	5563	5.14	4588	95.6	11
BT 490	3811	5178	4.49	4013	83.6	20
QB 232.7	4484	6052	5.27	4704	98.0	10
Mean	4492	5926	5.21	4651	96.9	-
C.V.%	9.6	12.4	-	-	-	-
LSD (0.05)	609	1042	-	-	-	-

**TESTING AREA V
BARLEY
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (4)*	hl/wt kg (4)	Kernel weight g/1000 (4)	Height cm (4)	Lodging 0-9 (1)	Maturity* days (2)	Net Blotch 0-9 (1)
Albany	6.15	61.8	42.9	81	2.0	118	5.5
Frin	5.76	60.9	43.5	74	5.0	119	6.0
Lester	6.13	62.9	44.4	74	1.0	118	4.3
Morrison	5.79	64.4	45.1	78	1.0	119	3.8
Symko	6.14	64.2	43.9	84	2.0	119	2.5
QB 243.13	5.87	60.9	39.9	94	2.0	116	3.8
MB 89-4	5.54	63.3	40.5	78	1.0	120	4.0
AB 128-5	5.99	62.2	45.8	86	1.0	120	3.8
AB 143-3	6.06	58.9	48.0	89	3.0	118	5.5
AC Burman	5.91	61.0	39.3	95	2.0	114	5.3
AC Stephen	5.95	63.3	44.2	87	1.0	117	5.0
Bella	6.02	61.2	37.8	86	2.0	116	5.3
Chapais	6.93	59.3	43.9	79	2.0	118	6.0
Etienne	6.02	60.5	37.7	88	1.0	117	5.5
Leger	6.08	60.8	38.1	97	1.0	116	5.3
Maskot	6.21	59.1	41.6	97	1.0	120	3.8
OAC Kippen	6.23	61.5	36.6	91	1.0	116	3.8
Sabina	6.32	61.7	42.1	100	1.0	120	4.0
TB 891-6	6.39	62.1	39.6	90	1.0	117	5.3
BT 490	6.57	57.6	38.5	84	1.0	118	5.5
QB 232.7	6.37	60.6	39.5	94	1.0	118	5.0

* no. of days from seeding to maturity

* no. of locations

**TESTING AREA V
BARLEY
AGRONOMIC DATA, 1991-92**

Cultivar	Yield t/ha (8)*	hl/wt kg (8)	Kernel weight g/1000 (7)	Height cm (9)	Lodging 0-9** (1)	Maturity ^a days (6)
Albany	5.35	62.1	43.6	72	2.0	99
Frin	5.19	61.7	43.4	68	5.0	100
Lester	5.41	64.1	44.2	69	1.0	99
Morrison	5.30	64.9	44.8	74	1.0	98
Symko	5.47	64.3	44.4	77	2.0	99
QB 243.13	5.25	62.7	41.5	82	2.0	97
AC Burman	5.54	60.8	37.7	83	2.0	97
AC Stephen	5.31	61.7	42.1	80	1.0	98
Chapais	5.86	59.7	43.3	73	2.0	97
Etienne	5.53	60.7	39.0	80	1.0	98
Leger	5.58	60.5	37.5	88	1.0	97
Maskot	5.64	59.5	40.6	87	1.0	99
OAC Kippen	5.67	61.6	37.0	85	1.0	97
Sabina	5.67	61.3	41.5	86	1.0	99
TB 891-6	5.77	62.5	38.5	80	1.0	98
BT 490	5.86	57.3	37.2	75	1.0	99
QB 232.7	5.75	60.7	39.6	85	1.0	99

^a no. of days from seeding to maturity; * no. of locations; ** 1992 data only

AGRONOMIC DATA, 1990-92

Cultivar	Yield t/ha (12)*	hl/wt kg (12)	Kernel weight g/1000 (8)	Height cm (10)	Lodging 0-9** (2)	Maturity ^a days (7)
Albany	5.04	61.6	41.2	75	1.5	98
Lester	5.07	63.4	42.0	74	1.5	98
Morrison	5.05	64.5	42.2	77	1.0	97
Symko	5.23	64.2	41.8	81	2.0	98
AC Burman	5.43	60.3	36.4	87	2.0	97
Chapais	5.72	59.4	42.4	75	1.5	97
Etienne	5.35	60.2	37.9	82	1.5	98
Leger	5.38	60.1	36.5	92	1.5	98
Maskot	5.11	59.8	38.4	88	1.5	99
OAC Kippen	5.35	61.5	35.1	87	3.0	97
Sabina	5.29	60.7	39.2	91	1.5	100

^a no. of days from seeding to maturity; * no. of locations; ** 1990, 1992 data only

**TESTING AREA V
BARLEY**
Yield in kg per ha, 1992

Cultivar	Temiskaming	Nipissing	Thunder Bay	Rainy River	Average			Rank
	District	District	District	District	t/ha	lbs/a	bu/a	
Albany	7455	5120	6497	5545	6.15	5495	114.5	8
Frin	6799	5074	5622	5547	5.76	5143	107.2	20
Lester	8595	4998	5537	5403	6.13	5476	114.1	10
Morrison	7185	5284	5554	5135	5.79	5169	107.7	19
Symko	8006	5954	5257	5335	6.14	5480	114.2	9
QB 243.13	7064	4380	5515	6504	5.87	5237	109.1	18
MB 89-4	6555	4829	5762	5016	5.54	4947	103.1	21
AB 128-5	7660	5369	6036	4880	5.99	5345	111.4	15
AB 143-3	7646	5072	5936	5600	6.06	5414	112.8	12
AC Burman	7280	4798	5827	5722	5.91	5274	109.9	17
AC Stephen	7689	4754	5885	5471	5.95	5312	110.7	16
Bella	8260	4999	5208	5603	6.02	5373	111.9	14
Chapais	8669	5478	6306	7248	6.93	6183	128.8	1
Etienne	7309	5111	5341	6318	6.02	5375	112.0	13
Leger	7771	5204	5446	5883	6.08	5425	113.0	11
Maskot	8119	5705	5503	5495	6.21	5541	115.4	7
OAC Kippen	7507	5080	5930	6413	6.23	5565	115.9	6
Sabina	7510	5986	6101	5666	6.32	5639	117.5	5
IB 891-6	7998	5173	5800	6572	6.39	5702	118.8	3
BT 490	8318	5870	5866	6234	6.57	5868	122.2	2
QB 232.7	8078	5423	6159	5819	6.37	5687	118.5	4
Mean	7689	5222	5766	5781	6.11	5459	113.7	-
C.V.%	8.3	11.0	9.4	10.4	-	-	-	-
SD (0.05)	419	381	638	852	-	-	-	-

**TESTING AREA VI
BARLEY
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (1)*	hl/wt kg (1)	Kernel weight g/1000 (1)	Height cm (1)	Lodging 0-9 (1)	Maturity ^a days (1)
Albany	4.94	68.0	40.5	72	1.0	110
Frin	5.19	67.6	43.6	66	1.0	113
Lester	4.78	68.3	44.2	67	1.0	109
Morrison	4.54	68.5	44.2	79	1.0	112
Symko	4.44	68.0	43.9	82	1.0	110
QB 243.13	4.76	67.6	43.4	81	1.0	107
MB 89-4	4.88	68.6	41.4	82	1.0	111
AB 128-5	4.51	67.3	43.6	77	1.0	111
AB 143-3	4.82	60.3	49.7	86	1.3	112
AC Burman	5.14	62.9	35.0	98	1.3	107
AC Stephen	5.29	61.2	35.6	94	1.0	107
Bella	4.72	65.9	36.3	91	1.0	107
Chapais	6.01	62.3	44.8	77	1.0	109
Etienne	5.10	64.5	34.6	86	1.0	108
Leger	5.22	60.1	34.5	102	1.5	108
Maskot	4.74	64.3	36.2	91	1.0	108
OAC Kippen	4.45	63.6	36.4	89	1.0	107
Sabina	5.51	65.1	36.3	99	1.0	108
TB 891-6	4.76	64.2	34.7	90	1.0	108
BT 490	5.59	59.9	35.4	84	2.0	110
QB 232.7	5.05	62.2	35.3	97	1.0	109

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA VI
BARLEY
AGRONOMIC DATA, 1991-92**

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel weight g/1000 (2)	Height cm (2)	Lodging 0-9 (2)	Maturity ^a days (2)
Albany	4.93	67.9	44.0	68	0.5	105
Frin	5.31	67.6	46.6	65	0.9	107
Lester	5.08	68.1	47.4	67	1.5	104
Morrison	4.99	68.8	46.5	74	1.5	107
Symko	4.69	68.4	46.0	77	0.9	106
QB 243.13	4.68	66.8	45.1	78	1.0	103
AC Burman	5.25	64.2	37.6	92	0.9	105
AC Stephen	5.07	62.2	39.5	89	0.7	104
Chapais	5.71	61.9	45.2	69	1.3	103
Etienne	5.14	65.0	37.0	78	1.3	104
Leger	5.50	61.8	38.8	97	0.9	105
Maskot	4.85	65.3	39.6	89	0.5	105
OAC Kippen	4.88	64.3	38.5	87	1.3	104
Sabina	5.45	63.9	38.7	88	0.7	105
TB 891-6	4.74	64.4	37.7	85	1.3	105
BT 490	5.51	60.1	38.4	77	2.3	105
QB 232.7	5.00	63.3	38.5	91	0.5	106

^a no. of days from seeding to maturity; * no. of locations

AGRONOMIC DATA, 1990-92

Cultivar	Yield t/ha (3)*	hl/wt kg (3)	Kernel weight g/1000 (3)	Height cm (3)	Lodging 0-9** (2)	Maturity ^a days (3)
Albany	3.87	64.6	39.7	66	0.5	105
Lester	4.04	65.4	42.9	66	1.5	105
Morrison	4.03	66.2	41.7	72	1.5	107
Symko	3.79	66.8	42.2	73	0.9	106
AC Burman	4.17	61.8	34.0	85	0.9	106
Chapais	4.74	60.7	41.6	66	1.3	104
Etienne	4.08	62.5	33.1	73	1.3	105
Leger	4.42	60.6	34.4	91	0.9	106
Maskot	3.93	63.6	36.0	79	0.5	105
OAC Kippen	4.02	62.3	35.2	80	1.3	105
Sabina	4.39	61.7	33.8	83	0.7	105

^a no. of days from seeding to maturity; * no. of locations; ** 1991-92 data only.

TESTING AREA VI
BARLEY
Yield in kg per ha, 1992

Cultivar	Cochrane	Average			Rank
		t/ha	lbs/a	bu/a	
Albany	4936	4.94	4407	91.8	10
Frin	5194	5.19	4638	96.6	6
Lester	4779	4.78	4267	88.9	13
Morrison	4539	4.54	4053	84.4	18
Symko	4438	4.44	3963	82.6	21
QB 243.13	4761	4.76	4251	88.6	14
MB 89-4	4881	4.88	4358	90.8	11
AB 128-5	4512	4.51	4029	83.9	19
AB 143-3	4816	4.82	4300	89.6	12
AC Burman	5139	5.14	4588	95.6	7
AC Stephen	5287	5.29	4721	98.3	4
Bella	4715	4.72	4210	87.7	17
Chapais	6006	6.01	5363	111.7	1
Etienne	5102	5.10	4555	94.9	8
Leger	5222	5.22	4663	97.1	5
Maskot	4742	4.74	4234	88.2	16
OAC Kippen	4447	4.45	3971	82.7	20
Sabina	5508	5.51	4918	102.5	3
TB 891-6	4761	4.76	4251	88.6	14
BT 490	5591	5.59	4992	104.0	2
QB 232.7	5047	5.05	4506	93.9	9
Mean	4974	4.97	4441	92.5	-
C.V. %	7.7	-	-	-	-
LSD (0.05)	543	-	-	-	-

DESCRIPTION OF CULTIVARS IN REGIONAL TESTS, 1992

OATS

- AC Hunter (OA 804-5) - a white-hulled oat developed by Agriculture Canada, Ottawa from the cross 01146-9/OT210. Registered in 1992.
- AC Rigodon (QO 256.39) - an oat developed by Agriculture Canada, Ste-Foy from the cross Ogle//2897/Kent/3/QO174.19. Registered in 1992.
- AC Stewart (OA 796-15) - a yellow-hulled oat developed by Agriculture Canada, Ottawa from the cross 4*Ogle/OT219. AC Stewart is essentially a rust resistant Ogle. Registered in 1991.
- Donegal (TO 85025) - an oat developed by W.G. Thompson and Sons from the cross Ogle/QO183.3. Registered in 1991.
- Marion - a Quebec (Ste. Foy) high yielding, early selection from the cross QO130.4/QO51.27. Maturity range between Ogle and OAC Woodstock. Large kernels high hectolitre weight and low % hull. Resistant to Victoria blight. Susceptible to smut, crown rust and septoria. Acceptable for milling. Registered in 1984.
- Newman - daylength insensitive white oat developed by Agriculture Canada, Ottawa from rust resistant backcross to Donald (Donald*4/OT219). Registered in 1988.
- Ogle - an Illinois selection (ILL73-2664, CI9401) from the cross BRAVE2 x TYLER 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.
- Robert - a tan-hulled oat developed by Agriculture Canada, Winnipeg from the cross OT212/RL3064. Robert has good crown rust resistance and tolerance to BYDV. Registered in 1988.
- Ultima - an oat cultivar developed by Agriculture Canada (Ste. Foy), from the cross Manic//RL-2892/Kent. Registered in 1989.
- Tibor - a hulless (naked) Ottawa selection with a complex parentage. 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.
- AC Hill (NO 826-3) - a hulless oat developed by Agriculture Canada, Ottawa from the cross 01146-9/OT210. Registered in 1991.

- AC Lotta**
(NO 820-3) - a hulless oat developed by Agriculture Canada, Ottawa from the cross
04186/OA501-1. Registered in 1991.
- OA 792-69** - an oat cultivar developed by Agriculture Canada, Ottawa from the cross 4*Donald/
Dumont. Not registered for sale in Canada.

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1992

Cultivar	I (2)**		II (3)		III (4)		IV (1)		V (3)		VI (1)		PROVINCE*** (14)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Hunter	4.33	7	3.83	6	4.59	9	3.16	7	6.03	6	5.88	3	4.69	4186
AC Rigodon	4.81	5	4.37	2	4.97	5	3.34	3	6.60	3	5.71	4	5.10	4557
AC Stewart	4.94	2	3.82	7	4.95	6	3.17	6	5.38	8	4.96	9	4.67	4172
Donegal	5.38	1	3.90	5	5.18	2	3.86	1	6.95	1	6.13	1	5.29	4721
Marion	4.89	3	3.67	8	5.00	3	3.24	4	6.39	4	5.65	5	4.92	4391
Newman	4.17	8	3.21	10	3.95	10	2.23	10	5.21	10	4.68	10	4.02	3591
Ogle	4.89	3	4.06	4	4.67	7	3.08	8	5.31	9	4.97	8	4.62	4121
Robert	4.43	6	4.26	3	5.00	3	3.22	5	6.16	5	5.19	7	4.90	4371
Ultima	4.17	9	4.41	1	5.21	1	3.71	2	6.70	2	6.05	2	5.16	4609
OA 792-69	4.16	10	3.38	9	4.66	8	2.43	9	5.51	7	5.24	6	4.38	3909
mean	4.62	-	3.89	-	4.82	-	3.14	-	6.02	-	5.45	-	4.77	4263
Tibor ¹	2.20	3	2.41	3	2.52	3	2.04	3	3.36	3	3.07	3	2.64	2353
AC Hill ¹	2.48	2	2.73	2	3.40	1	2.67	1	4.46	1	3.87	1	3.33	2976
AC Lotta ¹	3.11	1	2.80	1	3.27	2	2.33	2	4.31	2	3.70	2	3.33	2976
mean ¹	2.60	-	2.65	-	3.06	-	2.35	-	4.04	-	3.55	-	3.10	2768
TOTAL MEAN	4.15	-	3.60	-	4.41	-	2.96	-	5.57	-	5.01	-	4.39	3918

* See attached map

** No. of locations

*** Weighted average

¹ hullless oats

OATS
MEAN YIELDS IN DIFFERENT AREAS*, 1992

Cultivar	I (2)**		II (3)		III (4)		IV (1)		V (3)		VI (1)		PROVINCE*** (14)	
	\bar{t}/ha	RANK	\bar{t}/ha	RANK	\bar{t}/ha	RANK	\bar{t}/ha	RANK	\bar{t}/ha	RANK	\bar{t}/ha	RANK	\bar{t}/ha	lbs/a
AC Hunter	4.33	7	3.83	6	4.59	8	3.16	7	6.03	6	5.88	3	4.69	4186
AC Rigodon	4.81	5	4.37	2	4.97	5	3.34	3	6.60	3	5.71	4	5.10	4557
AC Stewart	4.94	2	3.82	7	4.95	6	3.17	6	5.38	7	4.96	8	4.67	4172
Donegal	5.38	1	3.90	5	5.18	2	3.86	1	6.95	1	6.13	1	5.29	4721
Marion	4.89	3	3.67	8	5.00	3	3.24	4	6.39	4	5.65	5	4.92	4391
Newman	4.17	8	3.21	9	3.95	9	2.23	9	5.21	9	4.68	9	4.02	3591
Ogle	4.89	3	4.06	4	4.67	7	3.08	8	5.31	8	4.97	7	4.62	4121
Robert	4.43	6	4.26	3	5.00	3	3.22	5	6.16	5	5.19	6	4.90	4371
Ultima	4.17	9	4.41	1	5.21	1	3.71	2	6.70	2	6.05	2	5.16	4609
mean	4.67	-	3.95	-	4.84	-	3.22	-	6.08	-	5.47	-	4.82	4302
Tibor ¹	2.20	3	2.41	3	2.52	3	2.04	3	3.36	3	3.07	3	2.64	2353
AC Hill ¹	2.48	2	2.73	2	3.40	1	2.67	1	4.46	1	3.87	1	3.33	2976
AC Lotta ¹	3.11	1	2.80	1	3.27	2	2.33	2	4.31	2	3.70	2	3.33	2976
mean ¹	2.60	-	2.65	-	3.06	-	2.35	-	4.04	-	3.55	-	3.10	2768
TOTAL MEAN	4.15	-	3.62	-	4.39	-	3.00	-	5.57	-	4.99	-	4.39	3919

* See attached map
 ** No. of locations
 *** Weighted average
¹ hullless oats

DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1992

Cultivar	I	II	III	IV	V	VI	PROVINCE
AC Hunter	93	97	95	98	99	108	97
AC Rigodon	103	111	103	104	109	104	106
AC Stewart	106	97	102	98	88	91	97
Donegal	115	99	107	120	114	112	110
Marion	105	93	103	101	105	103	102
Newman	89	81	82	69	86	86	83
Ogle	105	103	97	96	87	91	96
Robert	95	108	103	100	101	95	102
Ultima	89	112	108	115	110	111	107
mean yield t/ha	4.67	3.95	4.84	3.22	6.08	5.47	4.82
Tibor ¹	85	91	82	87	83	87	85
AC Hill ¹	96	103	111	114	110	109	108
AC Lotta ¹	120	106	107	99	107	104	107
mean yield t/ha ¹	2.60	2.65	3.06	2.35	4.04	3.55	3.10
hulless oats							

OATS

MEAN YIELDS IN DIFFERENT AREAS, 1991-92

Cultivar	I (4)*		II (6)		III (10)		IV (2)		V (7)		VI (2)		PROVINCE** (31)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
AC Hunter	3.45	7	3.45	4	4.13	6	3.82	8	5.70	5	6.00	3	4.37	3899
AC Rigodon	3.67	4	3.67	2	4.25	2	4.14	5	6.10	1	5.90	5	4.58	4088
AC Stewart	3.94	2	3.59	3	4.04	7	4.19	4	4.99	7	5.45	8	4.26	3800
Donegal	3.98	1	3.04	7	4.23	4	4.34	1	5.98	3	6.28	1	4.50	4018
Marion	3.48	5	2.99	8	4.18	5	4.10	7	5.85	4	6.16	2	4.36	3890
Newman	3.21	3	2.93	9	3.64	9	3.43	9	4.93	8	5.25	9	3.83	3418
Ogle	3.76	6	3.39	6	3.90	8	4.20	3	4.84	9	5.54	7	4.12	3679
Robert	3.47	8	3.84	1	4.24	3	4.11	6	5.55	6	5.61	6	4.44	3963
Ultima	3.03	9	3.40	5	4.51	1	4.30	2	6.10	1	5.94	4	4.54	4056
mean	3.55	-	3.37	-	4.13	-	4.07	-	5.56	-	5.79	-	4.33	3868
Tibor ¹	1.35	3	2.05	3	2.48	2	2.62	3	3.31	3	3.89	3	2.54	2268
AC Hill ¹	1.52	2	2.22	2	2.93	1	2.96	2	3.76	2	4.14	2	2.88	2568
AC Lotta ¹	1.98	1	2.50	1	2.93	1	2.97	1	3.97	1	4.38	1	3.05	2727
mean ¹	1.61	-	2.26	-	2.78	-	2.85	-	3.68	-	4.13	-	2.82	2521
TOTAL MEAN	3.07	-	3.09	-	3.79	-	3.76	-	5.09	-	5.38	-	3.95	3531

* No. of locations
 ** Weighted average
 1 hullless oats

OATS
DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1991-92

Cultivar	I	II	III	IV	V	VI	PROVINCE
AC Hunter	97	103	100	94	103	104	101
AC Rigodon	103	109	103	102	110	102	106
AC Stewart	111	107	98	103	90	94	98
Donegal	112	90	102	107	108	108	104
Marion	98	89	101	101	105	106	101
Newman	90	87	88	84	89	91	88
Ogle	106	101	95	103	87	96	95
Robert	98	114	103	101	100	97	102
Ultima	85	101	109	106	110	103	105
mean yield t/ha	3.55	3.37	4.13	4.07	5.56	5.79	4.33
Tibor ¹	84	91	89	92	90	94	90
AC Hill ¹	94	98	105	104	102	100	102
AC Lotta ¹	122	111	105	104	108	106	108
mean yield t/ha ¹	1.61	2.26	2.78	2.85	3.68	4.13	2.82

¹ hullless oats

OATS
MEAN YIELDS IN DIFFERENT AREAS, 1990-92

Cultivar	I (5)*		II (9)		III (15)		IV (3)		V (11)		**VI (2)		PROVINCE*** (45)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
Donegal	4.35	1	3.37	3	3.97	2	4.71	1	5.50	1	6.28	1	4.42	3944
Marion	3.64	3	3.23	4	3.88	3	4.46	4	5.34	2	6.16	2	4.22	3767
Newman	3.51	4	3.16	5	3.44	5	3.94	5	4.64	5	5.25	5	3.80	3391
Ogle	4.24	2	3.68	1	3.65	4	4.63	3	4.92	4	5.54	4	4.18	3734
Ultima	3.23	5	3.42	2	4.03	1	4.66	2	5.22	3	5.94	3	4.24	3784
mean	3.79	-	3.37	-	3.79	-	4.48	-	5.13	-	5.83	-	4.17	3724
Tibor ¹	1.31	1	2.00	1	2.24	1	3.00	1	2.84	1	3.89	1	2.36	2107
TOTAL MEAN	3.38	-	3.14	-	3.53	-	4.23	-	4.74	-	5.51	-	3.87	3455

* No. of locations; **1991-92 data only; ***Weighted average; ¹hullless oats

DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1990-92

Cultivar	I		II		III		IV		V		*VI		PROVINCE
	I	II	III	IV	V	VI	V	VI	PROVINCE				
Donegal	115	100	105	105	107	108	106	106	106	101	101	106	106
Marion	96	96	102	100	104	106	101	101	91	90	95	100	101
Newman	93	94	91	88	91	90	91	91	96	95	102	100	91
Ogle	112	109	96	103	96	95	100	100	102	102	102	100	100
Ultima	85	102	106	104	102	102	102	102	102	102	102	102	102
mean yield t/ha	3.79	3.37	3.79	4.48	5.13	5.83	4.17	4.17	4.17	4.17	4.17	4.17	4.17
Tibor ¹	100	100	100	100	100	100	100	100	100	100	100	100	100
mean yield t/ha ¹	1.31	2.00	2.24	3.00	2.84	3.89	2.36	2.36	2.36	2.36	2.36	2.36	2.36

¹ hullless oats

* 1991-92 data only

OATS
MEAN YIELDS IN DIFFERENT AREAS, 1988-92

Cultivar	I (8)*		II (16)		III (24)		IV (9)		V (17)		**VI (4)		PROVINCE*** (78)	
	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	RANK	t/ha	lbs/a
Marion	3.71	2	3.25	3	3.95	2	4.32	3	5.19	2	5.32	2	4.16	3718
Newman	3.55	3	3.17	4	3.62	3	4.16	4	4.44	4	4.90	3	3.83	3416
Ogle	4.07	1	3.60	1	3.77	4	4.33	2	4.58	3	4.83	4	4.06	3626
Ultima	3.42	4	3.46	2	4.19	1	4.41	1	5.30	1	5.77	1	4.31	3846
mean	3.69	-	3.37	-	3.88	-	4.31	-	4.88	-	5.20	-	4.09	3652
Tibor ¹	1.30	1	2.04	1	2.40	1	2.96	1	2.82	1	3.33	1	2.42	2158
TOTAL MEAN	3.21	-	3.10	-	3.59	-	4.04	-	4.47	-	4.83	-	3.76	3353

* no. of locations; ** 1988-89, 1991-92 data only; *** weighted average
¹ hullless oats

DATA EXPRESSED RELATIVE TO LOCATION MEANS, 1988-92

Cultivar	I	II	III	IV	V	*VI	PROVINCE
Marion	101	96	102	100	106	102	102
Newman	96	94	93	97	91	94	94
Ogle	110	107	97	100	94	93	99
Ultima	93	103	108	102	109	111	105
mean yield t/ha	3.69	3.37	3.88	4.31	4.88	5.20	4.09
Tibor ¹	100	100	100	100	100	100	100
mean yield t/ha ¹	1.30	2.04	2.40	2.96	2.82	3.33	2.42

¹ hullless oats

* 1988-89, 1991-92 data only

**TESTING AREA I
OATS
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel Weight g/1000 (1)	Height cm (2)	Lodging 0-9 (2)	Maturity ^a days (1)	Septoria 0-9 (1)
AC Hunter	4.33	37.4	41.0	115	3.5	104	1.0
AC Rigodon	4.81	42.3	35.5	117	2.5	104	3.0
AC Stewart	4.94	39.9	39.4	93	3.0	98	1.0
Donegal	5.38	42.0	39.3	108	4.5	104	1.0
Marion	4.89	41.5	43.6	116	4.0	100	2.0
Newman	4.17	39.8	39.1	104	6.0	98	2.0
Ogle	4.89	41.5	30.8	94	2.5	98	1.0
Robert	4.43	43.9	38.3	103	4.5	102	1.0
Ultima	4.17	39.6	31.3	106	2.0	103	2.0
OA 792-69	4.16	42.3	39.2	104	4.0	101	4.0
Tibor	2.20	51.2	28.3	122	3.0	98	3.0
AC Hill	2.48	50.7	28.8	131	1.5	104	2.0
AC Lotta	3.11	50.6	27.2	112	3.5	100	2.0

^a no. of days from sowing to maturity

* no. of locations

AGRONOMIC DATA, 1991-92

Cultivar	Yield t/ha (4)*	hl/wt kg (4)	Kernel Weight g/1000** (1)	Height cm (4)	Lodging 0-9 (3)	Maturity ^a days (2)
AC Hunter	3.45	37.8	41.0	103	2.4	101
AC Rigodon	3.67	41.0	35.5	102	1.7	101
AC Stewart	3.94	40.8	39.4	85	2.0	93
Donegal	3.98	41.2	39.3	100	3.3	100
Marion	3.48	40.2	43.6	107	3.3	95
Newman	3.21	41.6	39.1	97	4.3	96
Ogle	3.76	41.1	30.8	87	1.8	93
Robert	3.47	43.1	38.3	94	3.2	98
Ultima	3.03	38.5	31.3	97	1.3	99
Tibor	1.35	52.9	28.3	108	2.0	98
AC Hill	1.52	51.6	28.8	115	1.0	102
AC Lotta	1.98	52.8	27.2	102	2.3	99

^a no. of days from sowing to maturity

* no. of locations

** 1992 data only

**TESTING AREA I
OATS
AGRONOMIC DATA, 1990-92**

Cultivar	Yield t/ha (5)*	hl/wt kg (5)	Kernel weight g/1000** (1)	Height cm (5)	Lodging 0-9 (4)	Maturity ^a days (3)
Donegal	4.35	42.2	39.3	105	3.3	103
Marion	3.64	40.0	43.6	111	3.0	99
Newman	3.51	42.0	39.1	102	4.0	98
Ogle	4.24	42.5	30.8	92	1.9	96
Ultima	3.23	39.1	31.3	100	1.5	102
Tibor	1.31	50.8	28.3	108	1.8	100

^a no. of days from seeding to maturity

* no. of locations

** 1992 data only

AGRONOMIC DATA, 1988-92

Cultivar	Yield t/ha (8)*	hl/wt kg (8)	Kernel weight g/1000** (5)	Height cm (8)	Lodging 0-9 (6)	Maturity ^a days (5)
Marion	3.71	41.7	37.2	111	3.2	101
Newman	3.55	43.5	37.2	102	3.5	100
Ogle	4.07	42.8	30.4	93	1.3	99
Ultima	3.42	40.2	31.1	100	1.5	103
Tibor	1.30	52.5	26.1	109	2.0	101

^a no. of days from seeding to maturity

* no. of locations

** 1988-89, 1992 data only

TESTING AREA I
OATS
Yield in kg per ha, 1992

Cultivar	Kent I	Lambton	Average			Rank
			t/ha	lbs/a	bu/a	
AC Hunter	4770	3890	4.33	3866	113.7	7
AC Rigodon	5320	4290	4.81	4290	126.2	5
AC Stewart	5560	4320	4.94	4411	129.7	2
Donegal	5990	4760	5.38	4799	141.2	1
Marion	5650	4120	4.89	4362	128.3	3
Newman	4990	3350	4.17	3723	109.5	8
Ogle	5370	4400	4.89	4362	128.3	3
Robert	4640	4220	4.43	3955	116.3	6
Ultima	4610	3720	4.17	3719	109.4	9
OA 792-69	4850	3470	4.16	3714	109.2	10
Tibor	2050	2350	2.20	1964	57.8	13
AC Hill	2700	2260	2.48	2214	65.1	12
AC Lotta	3450	2760	3.11	2772	81.5	11
Mean	4610	3690	4.15	3705	109.0	-
C.V. %	8.6	10.3	-	-	-	-
LSD (0.05)	570	530	-	-	-	-

**TESTING AREA II
OATS
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (3)*	hl/wt kg (3)	Kernel weight g/1000 (3)	Height cm (3)	Lodging 0-9 (2)	Maturity ^a days (1)	Leaf Rust 0-9 (1)	Septoria 0-9 (3)
AC Hunter	3.83	44.6	36.0	117	1.0	102	0.0	6.3
AC Rigodon	4.37	52.1	37.5	118	2.8	101	1.0	3.8
AC Stewart	3.82	46.2	37.8	88	2.3	99	1.0	6.1
Donegal	3.90	47.9	37.9	116	7.0	101	4.0	4.7
Marion	3.67	47.2	36.9	119	6.3	97	2.0	4.7
Newman	3.21	45.5	36.2	104	5.0	99	0.0	6.3
Ogle	4.06	48.6	34.9	96	3.3	97	1.0	5.8
Robert	4.26	49.6	38.4	103	1.0	101	0.0	6.3
Ultima	4.41	48.3	33.0	107	5.5	102	2.0	5.0
OA 792-69	3.38	47.2	35.5	103	4.0	100	0.0	6.9
Tibor	2.41	57.3	30.2	123	4.5	98	3.0	4.9
AC Hill	2.73	60.4	31.7	136	1.8	101	0.0	4.4
AC Lotta	2.80	57.9	29.7	112	3.3	100	0.0	5.3

^a no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1991-92

Cultivar	Yield t/ha (6)*	hl/wt kg (6)	Kernel weight g/1000 (6)	Height cm (4)	Lodging 0-9 (4)	Maturity ^a days (3)	Leaf Rust 0-9 (2)	Septoria 0-9 (5)
AC Hunter	3.45	42.6	35.9	110	2.0	94	0.0	4.7
AC Rigodon	3.67	46.4	37.0	111	3.4	93	3.2	3.5
AC Stewart	3.59	44.1	37.4	86	2.9	91	1.3	5.0
Donegal	3.04	42.0	33.0	110	4.8	93	5.4	3.5
Marion	2.99	42.5	33.6	111	5.4	91	4.8	3.9
Newman	2.93	44.3	36.6	99	4.8	92	1.2	5.4
Ogle	3.39	44.5	31.9	91	3.4	90	3.4	4.8
Robert	3.84	46.7	38.3	97	1.5	93	0.0	4.9
Ultima	3.40	43.4	30.7	101	4.0	94	4.4	4.5
Tibor	2.05	54.9	28.1	116	4.3	91	4.4	4.3
AC Hill	2.22	55.5	29.6	126	2.4	93	0.4	3.9
AC Lotta	2.50	55.6	27.1	107	3.6	92	0.7	4.3

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA II
OATS
AGRONOMIC DATA, 1990-92**

Cultivar	Yield t/ha (9)*	hl/wt kg (9)	Kernel weight g/1000 (9)	Height cm (7)	Lodging 0-9 (6)	Maturity ^a days (4)	Septoria 0-9 (7)	Leaf Rust 0-9 (4)
Donegal	3.37	44.3	34.2	106	4.2	97	4.0	5.7
Marion	3.23	43.9	34.6	109	4.8	96	4.4	5.6
Newman	3.16	45.0	35.4	99	4.6	96	5.7	0.9
Ogle	3.68	46.4	32.6	89	2.4	95	5.1	4.2
Ultima	3.42	43.8	31.0	99	3.2	98	4.9	4.8
Tibor	2.00	55.7	28.4	113	3.8	95	4.8	4.4

^a no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1988-92

Cultivar	Yield t/ha (16)*	hl/wt kg (16)	Kernel weight g/1000 (16)	Height cm (14)	Lodging 0-9 (9)	Maturity ^a days (8)	Septoria 0-9 (12)
Marion	3.25	45.1	35.8	104	4.1	100	4.2
Newman	3.17	47.1	36.4	95	4.0	95	5.2
Ogle	3.60	46.7	32.1	87	1.8	88	4.1
Ultima	3.46	45.0	32.0	94	2.9	92	-
Tibor	2.04	55.7	28.2	107	3.6	101	4.2

^a no. of days from seeding to maturity

* no. of locations

TESTING AREA II
OATS
Yield in kg per ha, 1992

Cultivar	Oxford	Middlesex I	Huron	Average			Rank
				t/ha	lbs/a	bu/a	
AC Hunter	3857	3780	3864	3.83	3423	100.7	6
AC Rigodon	4861	4504	3743	4.37	3901	114.7	2
AC Stewart	4219	4232	3018	3.82	3413	100.4	7
Donegal	4277	3878	3531	3.90	3478	102.3	5
Marion	3945	3681	3381	3.67	3276	96.3	8
Newman	3477	3445	2716	3.21	2868	84.4	10
Ogle	4307	4016	3864	4.06	3627	106.7	4
Robert	4127	3957	4709	4.26	3807	112.0	3
Ultima	4501	3917	4799	4.41	3934	115.7	1
OA 792-69	3746	3642	2747	3.38	3016	88.7	9
Tibor	2768	2303	2143	2.40	2147	63.1	13
AC Hill	2854	2716	2626	2.73	2439	71.7	12
AC Lotta	2922	2815	2656	2.80	2498	73.5	11
Mean	3836	3607	3369	3.60	3218	94.6	-
C.V. %	6.8	6.1	13.7	-	-	-	-
LSD (0.05)	374	317	659	-	-	-	-

**TESTING AREA III
OATS
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (4)*	hl/wt kg (4)	Kernel weight g/1000 (3)	Height cm (4)	Lodging 0-9 (2)	Maturity ^a days (2)
AC Hunter	4.59	41.6	38.6	121	4.5	102
AC Rigodon	4.97	46.9	42.9	119	3.8	102
AC Stewart	4.95	44.9	41.1	103	1.8	102
Donegal	5.18	45.3	39.2	118	4.8	102
Marion	5.00	48.2	40.5	126	3.3	103
Newman	3.95	46.0	40.9	115	3.0	102
Ogle	4.67	45.2	33.5	98	0.3	100
Robert	5.00	46.3	41.4	109	3.5	103
Ultima	5.21	44.2	38.6	113	3.5	102
OA 792-69	4.66	46.0	42.3	112	2.3	102
Tibor	2.52	49.4	33.8	128	3.8	103
AC Hill	3.40	51.6	31.9	133	4.3	102
AC Lotta	3.27	51.0	31.4	118	2.0	102

* no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1991-92

Cultivar	Yield t/ha (10)*	hl/wt kg (10)	Kernel weight g/1000 (9)	Height cm (10)	Lodging 0-9 (4)	Maturity ^a days (5)
AC Hunter	4.13	47.3	37.7	101	2.7	90
AC Rigodon	4.25	48.5	38.5	101	2.1	89
AC Stewart	4.04	46.7	39.6	91	1.3	88
Donegal	4.23	46.6	35.4	101	2.9	90
Marion	4.18	48.7	36.8	105	2.6	89
Newman	3.64	49.3	39.0	96	2.5	89
Ogle	3.90	47.3	30.8	84	0.4	87
Robert	4.24	48.1	39.1	93	3.0	90
Ultima	4.51	47.1	35.1	97	2.0	89
Tibor	2.48	52.4	32.6	111	2.4	89
AC Hill	2.93	53.4	30.0	114	2.4	90
AC Lotta	2.93	52.4	29.9	104	1.3	89

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA III
OATS
AGRONOMIC DATA, 1990-92**

Cultivar	Yield t/ha (15)*	hl/wt kg (16)	Kernel weight g/1000 (15)	Height cm (16)	Lodging 0-9 (7)	Maturity* days (8)
Donegal	3.97	47.1	36.9	102	3.9	94
Marion	3.88	48.6	38.0	109	3.0	93
Newman	3.44	49.5	38.9	99	3.4	92
Ogle	3.65	47.5	31.5	88	1.5	91
Ultima	4.03	42.0	34.4	98	2.4	94
Tibor	2.24	45.0	32.5	113	2.3	93

* no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1988-92

Cultivar	Yield t/ha (24)*	hl/wt kg (26)	Kernel weight g/1000 (25)	Height cm (26)	Lodging 0-9 (14)	Maturity* days (14)
Marion	3.95	47.9	37.0	104	3.6	93
Newman	3.62	48.5	37.7	96	3.0	93
Ogle	3.77	47.1	30.7	84	1.7	91
Ultima	4.19	45.9	33.6	93	2.0	93
Tibor	2.40	52.0	30.8	107	2.1	94

* no. of days from seeding to maturity

* no. of locations

**TESTING AREA III
OATS
Yield in kg per ha, 1992**

Cultivar	Carleton I	Renfrew I	Lanark*	Prescott & Russell	Grenville	Average			Rank
						t/ha	lbs/a	bu/a	
AC Hunter	3724	5158	2057	6392	3073	4.59	4096	120.5	9
AC Rigodon	3738	5611	4699	7430	3089	4.97	4435	130.4	5
AC Stewart	3694	4478	4824	7411	4205	4.95	4417	129.9	6
Donegal	3936	5281	5340	7907	3604	5.18	4627	136.1	1
Marion	3503	5235	4848	7590	3660	5.00	4462	131.2	4
Newman	3072	3942	3655	6375	2395	3.95	3523	103.6	10
Ogle	3518	4417	4175	6859	3896	4.67	4171	122.7	7
Robert	3752	5594	4056	7369	3293	5.00	4466	131.4	3
Ultima	3605	5920	6312	7684	3634	5.21	4652	136.8	2
OA 792-69	3422	4497	4168	7400	3336	4.66	4163	122.5	8
Tibor	2400	2759	2503	3772	1134	2.52	2246	66.1	13
AC Hill	3214	4028	3451	4420	1934	3.40	3035	89.3	11
AC Lotta	2928	3206	3261	5303	1634	3.27	2917	85.8	12
Mean	3424	4625	4104	6609	2991	4.41	3939	115.9	-
C.V. %	14.4	6.2	17.2	6.2	16.2	-	-	-	-
LSD (0.05)	711	415	1018	589	709	-	-	-	-

* Data not included in average

**TESTING AREA IV
OATS
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (1)*	hl/wt kg (1)	Kernel weight g/1000 (1)	Height cm (2)	Lodging 0-9 (1)	Maturity ^a days (-)	Septoria 0-9 (2)
AC Hunter	3.16	35.0	34.8	115	3.0	-	5.9
AC Rigodon	3.34	41.8	38.4	118	5.0	-	2.0
AC Stewart	3.17	35.1	39.6	98	0.0	-	2.7
Donegal	3.86	38.8	38.2	110	0.0	-	2.4
Marion	3.24	36.5	35.7	122	0.0	-	3.2
Newman	2.23	34.5	32.1	109	0.0	-	4.3
Ogle	3.08	37.4	31.0	97	0.0	-	2.3
Robert	3.22	39.2	40.2	104	0.0	-	3.5
Ultima	3.71	37.7	34.9	109	0.0	-	4.0
OA 792-69	2.43	36.4	31.5	111	1.0	-	4.2
Tibor	2.04	51.1	30.2	120	0.0	-	1.8
AC Hill	2.67	50.5	28.9	126	0.0	-	4.4
AC Lotta	2.33	49.2	25.6	119	0.0	-	3.3

^a no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1991-92

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel weight g/1000 (2)	Height cm (3)	Lodging 0-9 (2)	Maturity ^a days** (1)	Septoria 0-9 (3)
AC Hunter	3.82	41.5	35.8	108	4.3	88	5.3
AC Rigodon	4.14	47.1	37.8	110	5.3	87	1.8
AC Stewart	4.19	42.2	41.9	91	0.5	81	2.9
Donegal	4.34	45.3	39.7	104	0.8	88	3.6
Marion	4.10	43.2	39.0	112	2.5	84	3.4
Newman	3.43	43.5	35.4	99	1.5	85	4.8
Ogle	4.20	44.3	33.8	91	0.3	82	3.0
Robert	4.11	45.2	42.6	98	0.3	87	3.7
Ultima	4.30	43.8	35.3	99	0.0	87	3.8
Tibor	2.62	55.8	32.6	113	1.8	84	3.0
AC Hill	2.96	56.1	31.3	117	2.3	87	4.1
AC Lotta	2.97	54.6	27.8	109	0.8	84	3.5

^a no. of days from seeding to maturity

* no. of locations

** 1991 data only

**TESTING AREA IV
OATS
AGRONOMIC DATA, 1990-92**

Cultivar	Yield t/ha (3)*	hl/wt kg (3)	Kernel weight g/1000 (3)	Height cm (4)	Maturity ^a days** (2)	Septoria 0-9 (4)
Donegal	4.71	46.9	39.3	104	95	4.0
Marion	4.46	45.8	39.3	112	92	3.9
Newman	3.94	46.4	36.8	99	93	5.4
Ogle	4.63	45.9	33.5	93	91	3.4
Ultima	4.66	45.0	34.8	98	95	4.2
Tibor	3.00	57.6	31.7	112	92	3.4

^a no. of days from seeding to maturity

* no. of locations

** 1990-91 data only

AGRONOMIC DATA, 1988-92

Cultivar	Yield t/ha (9)*	hl/wt kg (9)	Kernel weight g/1000 (8)	Height cm (10)	Maturity ^a days** (5)	Septoria 0-9 (7)
Marion	4.32	46.5	38.2	102	89	3.5
Newman	4.16	48.2	38.2	103	88	4.4
Ogle	4.33	45.4	33.9	91	87	3.2
Ultima	4.41	44.0	34.0	92	89	4.4
Tibor	2.96	55.0	30.4	93	90	3.0

no. of days from seeding to maturity

* no. of locations

** 1988-91 data only

**TESTING AREA IV
OATS
Yield in kg per ha, 1992**

Cultivar	Wellington II	Average			
		t/ha	lbs/a	bu/a	Rank
AC Hunter	3162	3.16	2823	83.0	7
AC Rigodon	3343	3.34	2985	87.8	3
AC Stewart	3173	3.17	2833	83.3	6
Donegal	3856	3.86	3443	101.3	1
Marion	3243	3.24	2896	85.2	4
Newman	2233	2.23	1994	58.6	12
Ogle	3075	3.08	2746	80.8	8
Robert	3221	3.22	2876	84.6	5
Ultima	3713	3.71	3315	97.5	2
OA 792-69	2431	2.43	2171	63.8	10
Tibor	2038	2.04	1820	53.5	13
AC Hill	2669	2.67	2383	70.1	9
AC Lotta	2327	2.33	2078	61.1	11
Mean	2960	2.96	-	-	-
C.V. %	12.8	-	-	-	-
LSD (0.05)	541	-	-	-	-

**TESTING AREA V
OATS
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (3)*	hl/wt kg (4)	Kernel weight g/1000 (4)	Height cm (4)	Lodging 0-9 (2)	Maturity ^a days (3)	Leaf Rust 0-9 (1)	Septoria 0-9 (1)
AC Hunter	6.03	48.6	38.6	109	2.8	117	0.0	5.8
AC Rigodon	6.60	48.9	39.7	104	3.8	117	0.0	0.0
AC Stewart	5.38	45.1	37.0	89	3.2	117	2.0	2.0
Donegal	6.95	46.6	38.7	103	3.9	119	2.0	0.0
Marion	6.39	50.0	35.2	117	4.0	116	0.0	4.0
Newman	5.21	48.1	37.2	100	5.4	119	0.0	5.8
Ogle	5.31	47.0	31.7	89	3.3	118	0.0	2.0
Robert	6.16	46.9	38.9	98	3.4	118	0.0	4.0
Ultima	6.70	46.9	34.6	101	3.2	117	6.0	4.0
OA 792-69	5.51	46.6	37.0	103	3.8	118	2.0	4.0
Tibor	3.36	46.1	34.8	117	4.4	117	0.0	0.0
AC Hill	4.46	52.1	32.4	115	3.2	119	0.0	3.8
AC Lotta	4.31	52.9	34.9	110	4.7	117	4.0	1.8

^a no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1991-92

Cultivar	Yield t/ha (7)*	hl/wt kg (8)	Kernel weight g/1000 (8)	Height cm (9)	Lodging 0-9 (4)	Maturity ^a days (7)
AC Hunter	5.70	48.9	36.3	106	2.9	103
AC Rigodon	6.10	50.6	37.8	103	2.9	102
AC Stewart	4.99	46.4	36.9	87	2.1	101
Donegal	5.98	47.8	37.1	102	3.2	103
Marion	5.85	50.8	36.1	109	3.3	101
Newman	4.93	48.9	36.1	96	4.2	102
Ogle	4.84	47.6	31.0	84	1.9	101
Robert	5.55	48.9	37.8	95	2.2	103
Ultima	6.10	48.2	33.4	97	2.3	102
Tibor	3.31	51.2	32.3	111	3.2	101
AC Hill	3.76	54.9	30.0	115	2.6	104
AC Lotta	3.97	55.4	31.5	106	3.1	101

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA V
OATS
AGRONOMIC DATA, 1990-92**

Cultivar	Yield t/ha (11)*	hl/wt kg (11)	Kernel weight g/1000 (9)	Height cm (12)	Lodging 0-9 (5)	Maturity ^a days (9)
Donegal	5.50	46.4	36.2	102	2.9	104
Marion	5.34	48.8	37.1	109	2.7	101
Newman	4.64	47.2	37.5	101	3.7	102
Ogle	4.92	46.4	31.9	87	2.1	101
Ultima	5.22	45.1	34.1	99	1.8	102
Tibor	2.84	51.2	31.6	111	2.7	102

^a no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1988-92

Cultivar	Yield t/ha (17)*	hl/wt kg (18)	Kernel weight g/1000 (14)	Height cm (18)	Lodging 0-9 (9)	Maturity ^a days (13)
Marion	5.19	49.2	36.7	102	2.8	101
Newman	4.44	47.9	36.6	95	3.5	101
Ogle	4.58	46.9	31.2	83	1.4	100
Ultima	5.30	45.7	32.8	92	1.8	102
Tibor	2.82	46.3	31.0	105	2.1	101

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA V
OATS
Yield in kg per ha, 1992**

Cultivar	Temiskaming District	Nippissing District	Thunder Bay District	Rainy River District*	Average			Rank
					t/ha	lbs/a	bu/a	
AC Hunter	6567	4828	6703	5810	6.03	5386	158.4	6
AC Rigodon	7488	5192	7104	4681	6.59	5888	173.2	3
AC Stewart	6505	4246	5387	3514	5.38	4803	141.3	8
Donegal	8037	5421	7393	5067	6.95	6206	182.5	1
Marion	7489	4937	6751	4379	6.39	5707	167.9	4
Newman	6107	3909	5600	3945	5.21	4648	136.7	10
Ogle	6528	3790	5620	4055	5.31	4743	139.5	9
Robert	7611	5316	5563	4627	6.16	5503	161.9	5
Ultima	7509	5378	7219	5409	6.70	5984	176.0	2
OA 792-69	6598	4231	5720	3818	5.52	4925	144.9	7
Tibor	3812	2979	3301	2940	3.36	3004	88.3	13
AC Hill	4852	3893	4638	2790	4.46	3983	117.1	11
AC Lotta	5092	3540	4288	2635	4.31	3845	113.1	12
Mean	6476	4435	5791	4124	5.57	4971	146.2	-
C.V. %	11.0	10.8	6.2	16.0	-	-	-	-
LSD (0.05)	636	596	1636	945	-	-	-	-

* Data not included in mean

**TESTING AREA VI
OATS
AGRONOMIC DATA, 1992**

Cultivar	Yield t/ha (1)*	hl/wt kg (1)	Kernel weight g/1000 (1)	Height cm (1)	Lodging 0-9 (1)	Maturity ^a days (1)
AC Hunter	5.88	57.1	39.1	87	2.8	119
AC Rigodon	5.71	56.1	41.7	86	3.0	119
AC Stewart	4.96	51.3	43.2	82	2.0	111
Donegal	6.13	55.1	43.0	85	2.5	114
Marion	5.65	55.5	41.4	102	3.3	112
Newman	4.68	55.0	42.8	87	3.5	112
Ogle	4.97	51.7	36.8	82	1.8	107
Robert	5.19	53.2	44.2	78	2.0	119
Ultima	6.05	57.7	38.9	83	2.5	119
OA 792-69	5.24	57.2	42.6	91	2.8	115
Tibor	3.07	62.8	35.2	98	2.8	115
AC Hill	3.87	66.5	37.0	93	2.5	119
AC Lotta	3.70	62.8	38.5	96	2.3	115

^a no. of days from seeding to maturity

* no. of locations

AGRONOMIC DATA, 1991-92

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel weight g/1000 (2)	Height cm (2)	Lodging 0-9 (2)	Maturity ^a days (2)
AC Hunter	6.00	53.2	36.7	100	2.9	112
AC Rigodon	5.90	53.9	39.2	97	2.5	112
AC Stewart	5.45	49.9	39.9	88	1.3	105
Donegal	6.28	53.0	41.4	99	2.7	110
Marion	6.16	54.5	39.1	109	2.1	105
Newman	5.25	54.7	39.7	95	2.5	105
Ogle	5.54	50.1	33.9	86	1.1	102
Robert	5.61	52.0	41.3	90	1.9	112
Ultima	5.94	53.8	36.1	93	2.4	112
Tibor	3.89	61.0	33.9	109	2.2	108
AC Hill	4.14	64.3	34.2	107	2.0	113
AC Lotta	4.38	60.8	33.6	105	2.1	109

^a no. of days from seeding to maturity

* no. of locations

**TESTING AREA VI
OATS
AGRONOMIC DATA, 1990-92****

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel weight g/1000 (2)	Height cm (2)	Lodging 0-9 (2)	Maturity ^a days (2)
Donegal	6.28	53.0	41.4	99	2.7	110
Marion	6.16	54.5	39.1	109	2.1	105
Newman	5.25	54.7	39.7	95	2.5	105
Ogle	5.54	50.1	33.9	86	1.1	102
Ultima	5.94	53.8	36.1	93	2.4	112
Tibor	3.89	61.0	33.9	109	2.2	108

^a no. of days from seeding to maturity

* no. of locations

** 1991-92 data only

AGRONOMIC DATA, 1988-92**

Cultivar	Yield t/ha (4)*	hl/wt kg (5)	Kernel weight g/1000 (5)	Height cm (5)	Lodging 0-9 (4)	Maturity ^a days (5)
Marion	5.32	53.0	35.6	104	2.7	102
Newman	4.90	52.8	37.8	94	3.1	103
Ogle	4.83	49.5	30.8	82	0.9	101
Ultima	5.77	51.5	33.5	91	2.6	107
Tibor	3.33	60.8	32.1	106	1.8	105

^a no. of days from seeding to maturity

* no. of locations

** 1988-89, 1991-92 data only

TESTING AREA VI
OATS
Yield in kg per ha, 1992

Cultivar	Cochrane	Average			Rank
		t/ha	lbs/a	bu/a	
AC Hunter	5877	5.88	5247	154.3	3
AC Rigodon	5711	5.71	5099	150.0	4
AC Stewart	4954	4.95	4423	130.1	9
Donegal	6126	6.13	5470	160.9	1
Marion	5646	5.65	5041	148.3	5
Newman	4678	4.68	4177	122.8	10
Ogle	4964	4.96	4432	130.4	8
Robert	5194	5.19	4638	136.4	7
Ultima	6052	6.05	5404	158.9	2
OA 792-69	5240	5.24	4679	137.6	6
Tibor	3072	3.07	2743	80.7	13
AC Hill	3866	3.87	3452	101.5	11
AC Lotta	3700	3.70	3304	97.2	12
Mean	4966	4.97	4434	130.4	-
C.V. %	6.2	-	-	-	-
LSD (0.05)	438	-	-	-	-

DESCRIPTION OF CULTIVARS IN REGIONAL TESTS, 1992**WINTER BARLEY**

- 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.
- 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.
- Huron** - a six-rowed, early rough awned Guelph selection with good lodging resistance and good winter hardiness. Resistant to mildew, tolerant to scald, net blotch and leaf rust. Registered in 1974.

**WINTER BARLEY
TESTING AREA I & II
AGRONOMIC DATA, 1992**

Cultivar	Yield		hl/wt kg (5)	Kernel weight g/1000 (5)	Winter Survival 0-9 (5)	Height cm (5)	Lodging 0-9 (4)	Date		Scald 0-9 (4)	Leaf Rust 0-9 (4)	Mildew 0-9 (3)
	Area I (2)*	Area II (3)						Head (5)	Ripe (3)			
OAC Elmira	4.94	5.86	65.5	36.4	8.2	114	3.3	May 31	July 20	0.6	0.4	0.0
OAC Halton	4.53	5.14	63.1	38.1	8.4	109	5.6	June 1	17	2.1	1.8	0.5
OAC Acton	4.03	4.65	60.6	40.1	8.2	116	5.8	2	18	1.2	3.2	5.9
Huron	3.96	5.23	62.2	40.4	7.9	108	4.4	May 29	17	2.5	1.5	0.4

* no. of locations

AGRONOMIC DATA, 1985-91

Cultivar	Yield t/ha		hl/wt kg	Height cm	Lodging 0-9	Winter Survival 0-9**
	Area I (16)*	Area II (23)					Mean (39)
OAC Elmira	4.95	4.57	64.5	107	3.1	7.6
OAC Halton	4.75	4.19	63.2	100	4.4	7.9
OAC Acton	4.54	3.99	60.3	109	4.5	7.6
Huron	4.34	3.95	62.6	98	3.4	7.6

* no. of locations

** 1985-90, 1992 data only

**WINTER BARLEY
TESTING AREA I, SUMMARY 1992**

Cultivar	Yield t/ha (2)*	hl/wt kg (2)	Kernel weight g/1000 (3)	Winter Survival 0-9 (2)	Height cm (2)	Lodging 0-9 (2)	Date Head May (2)	Mildew 0-9 (1)	Scald 0-9 (2)	Leaf Rust 0-9 (1)	Helm 0-9 (1)
OAC Elmira	4.94	64.4	34.8	8.4	112	3.4	28	0	0.0	0.0	5
OAC Halton	4.53	64.5	36.4	8.6	111	4.8	29	0	0.2	0.0	0
OAC Acton	4.03	60.3	38.8	8.6	119	6.0	30	7	0.2	2.0	0
Huron	3.96	61.5	40.0	8.7	110	4.2	26	0	1.7	0.5	0

* no. of locations

WINTER BARLEY, TESTING AREA II, SUMMARY 1992

Cultivar	Yield t/ha (3)*	hl/wt kg (3)	Kernel weight g/1000 (3)	Winter Survival 0-9 (3)	Height cm (3)	Lodging 0-9 (2)	Head June (3)	Ripe July (3)	Mildew 0-9 (2)	Scald 0-9 (2)	Leaf Rust 0-9 (3)	Spot Blotch 0-9 (1)
OAC Elmira	5.86	66.5	37.9	8.0	115	3.1	3	20	0.0	1.2	0.8	5
OAC Halton	5.14	61.7	39.7	8.1	107	6.4	3	17	1.0	4.0	3.6	0
OAC Acton	4.65	60.9	42.9	7.8	113	5.5	5	18	4.8	2.2	4.4	0
Huron	5.23	62.8	40.7	7.0	106	4.6	1	17	0.7	3.2	2.6	4

* no. of locations

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

INDEX

DESCRIPTION OF VARIETIES
 4 YEAR INDIVIDUAL TRAIT SUMMARIES
 4 YEAR OVERALL SUMMARIES
 1 YEAR INDIVIDUAL TRAIT SUMMARIES
 1 YEAR OVERALL SUMMARIES
 INDIVIDUAL TRIAL SUMMARIES

LEGEND

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

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

LOCATIONS ABBREVIATIONS

BH	BATH
EA	ELORA
HW	HARROW
ID	INWOOD
KE	KEMPTVILLE
LN	LONDON
MH	MORPETH
NN	NAIRN
O2	OTTAWA-2
RN	RIDGTOWN
WE	WOODSLEE
WK	WOODSTOCK

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

DESCRIPTION OF REGISTERED VARIETIES

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. SOFT WHITE VARIETY WITH GOOD MILLING AND BAKING QUALITY HOWEVER A TENDENCY FOR LOW TEST WEIGHT. SUSCEPTIBLE TO HEAD BLIGHT AND POWDERY MILDEW.

HARUS:

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

ENA:

FREDRICK/HOUSER - FROM AGRICULTURE CANADA, HARROW RESEARCH STATION. BEARDED SOFT WHITE VARIETY WITH ACCEPTABLE QUALITY AND HIGH TEST WEIGHT. MEDIUM HEIGHT WITH REASONABLE LODGING RESISTANCE. SUPERIOR TO OTHER RECOMMENDED VARIETIES IN HEAD BLIGHT SCORES, HOWEVER, SUSCEPTIBLE TO SEPTORIA.

ANNETTE:

N10/BVR//YW/3/2*GE(A3141)/4/GE*3/RCT(A5115)/5/FREDRICK/YORKSTAR - FROM AGRICULTURE CANADA, HARROW RESEARCH STATION. SOFT WHITE VARIETY WITH GOOD MILLING AND BAKING QUALITY. HIGH YIELDING IN AREA 3. SUPERIOR TO OTHER RECOMMENDED VARIETIES IN MILDEW AND BYDV RESISTANCE, HOWEVER SUSCEPTIBLE TO LEAF RUST AND HEAD BLIGHT.

HARMIL, (OT.90.4.1):

8077B92-1/TECUMSEH//FREDRICK - FROM AGRICULTURE CANADA, OTTAWA RESEARCH STATION. AKNLESS SOFT WHITE TYPE WITH GOOD MILLING AND BAKING QUALITY. GOOD SSMV RESISTANCE. SUSCEPTIBLE TO HEAD BLIGHT AND MILDEW.

REBECCA, (TW839.3):

1A36.78.72(COLORADO COMPOSITE)/HOUSER - FROM W.G. THOMPSON & SONS LTD. BEARDED SOFT WHITE TYPE WITH GOOD MILLING AND BAKING QUALITY. VERY HIGH YIELDING IN AREAS 1 AND 2. A SHORT, STRONG STRAWED VARIETY WITH LOW SCORES FOR SEPTORIA, GLUME BLOTCH, AND HEAD BLIGHT. SUSCEPTIBLE TO LEAF RUST.

ZAVITZ, (OAC85-7s)

HOUSER/NY629817 - FROM O.A.C., UNIVERSITY OF GUELPH. A HIGH YIELDING SOFT WHITE WHEAT WITH A VERY HIGH THOUSAND KERNEL WEIGHT. TENDANCY FOR HIGHER GRAIN AND FLOUR PROTEIN LEVELS. GOOD COOKIE SPREAD. GOOD RATINGS FOR MOST PREVALENT WHEAT DISEASES. SUSCEPTIBLE TO SEPTORIA.

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

DESCRIPTION OF REGISTERED VARIETIES CONT.

KARENA, (TW85.108)

AUGUSTA/H11 (HARUS BULK) - FROM W.G. THOMPSON & SONS LTD. A HIGH YIELDING, WHITE CHAFFED, APICALLY AWNLETTED SOFT WHITE VARIETY WITH VERY STRONG STRAW. LOW FLOUR PROTEIN CONTENT AND ACCEPTABLE BAKING QUALITY. GOOD MILDEW AND SSMV SCORES.

AC RON, (H212.8)

HARUS/AUGUSTA - FROM AGRICULTURE CANADA, HARROW RESEARCH STATION. SOFT WHITE VARIETY WITH GOOD MILLING AND BAKING QUALITY. HIGH YIELDING IN ALL AREAS TESTED. BELOW AVERAGE INCIDENCE OF LODGING, GLUME BLOTCH, AND BYDV. RESISTANT TO HESSIAN FLY. SUSCEPTIBLE TO HEAD BLIGHT.

DELAWARE, (TW86.168)

FRANKENMUTH/FREDRICK - FROM W.G. THOMPSON & SONS LTD. A HIGH YIELDING SOFT WHITE VARIETY WITH A HIGH THOUSAND KERNEL WEIGHT AND GOOD MILLING AND BAKING QUALITY. GOOD POWDERY MILDEW, SEPTORIA, AND GLUME BLOTCH SCORES. SUSCEPTIBLE TO LEAF RUST.

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

TRAIT : YIELD
 YEAR(S) : 89-92
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	HW89N	RN89N	ID89N	MH89N	RN90N	WE91N	HW91N	RN91N	MH91N	HW92N
1 AUGUSTA	3.49	2.43	4.12	4.20	4.19	3.09	3.06	3.66	3.03	6.25
2 HARUS	4.48	3.98	4.64	4.89	4.44	2.82	3.35	3.92	3.74	6.35
3 ENA	3.62	3.63	4.31	3.30	4.57	3.72	3.94	3.69	3.81	5.96
4 ANNETTE	4.31	3.01	4.32	4.65	4.59	2.89	3.05	3.47	3.30	6.50
5 HARMIL	4.42	4.06	4.38	4.98	4.25	2.76	3.21	3.50	2.86	6.69
6 REBECCA	4.80	3.50	4.62	4.83	5.08	3.05	3.96	4.13	3.49	5.95
7 ZAVITZ	4.07	4.32	3.86	5.13	4.69	3.65	3.89	4.13	4.08	6.34
8 KARENA	4.76	3.14	4.10	5.80	4.45	2.51	4.18	3.84	3.90	6.39
9 AC RON	4.19	3.36	4.96	4.77	4.80	2.70	3.67	4.05	3.74	6.87
10 DELAWARE	3.78	3.81	5.00	4.89	5.04	3.23	3.45	3.84	3.72	6.27
LOCATION MEAN	4.19	3.52	4.43	4.74	4.61	3.04	3.58	3.82	3.57	6.36

KEY NAME	WE92N	RN92N	MH92N	ID92N	MEAN
1 AUGUSTA	6.76	7.55	6.57	6.09	4.61
2 HARUS	7.17	7.28	6.87	5.85	4.98
3 ENA	7.10	6.74	5.94	5.61	4.71
4 ANNETTE	6.84	6.92	6.46	6.02	4.74
5 HARMIL	6.39	7.10	5.88	5.71	4.73
6 REBECCA	7.59	7.56	6.74	6.24	5.11
7 ZAVITZ	6.00	7.25	6.14	5.58	4.94
8 KARENA	6.99	7.45	5.69	6.13	4.95
9 AC RON	7.50	8.18	6.39	6.38	5.11
10 DELAWARE	7.25	7.73	7.05	6.15	5.09
LOCATION MEAN	6.96	7.38	6.37	5.98	4.90

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S) : 89-92
 AREA : 1

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	HW89N	RN89N	ID89N	MH89N	RN90N	WE91N	HW91N	RN91N	MH91N	HW92N
1 AUGUSTA	83	69	93	89	91	102	86	96	85	98
2 HARUS	107	113	105	103	96	93	94	103	105	100
3 ENA	86	103	97	70	99	122	110	97	107	94
4 ANNETTE	103	85	97	98	100	95	85	91	93	102
5 HARMIL	105	115	99	105	92	91	90	92	80	105
6 REBECCA	115	99	104	102	110	100	111	108	98	94
7 ZAVITZ	97	123	87	108	102	120	109	108	114	100
8 KARENA	114	89	93	122	97	83	117	100	109	101
9 AC RON	100	95	112	101	104	89	103	106	105	108
10 DELAWARE	90	108	113	103	109	106	96	100	104	99
LOCATION MEAN	4.19	3.52	4.43	4.74	4.61	3.04	3.58	3.82	3.57	6.36

KEY NAME	WE92N	RN92N	MH92N	ID92N	MEAN*
1 AUGUSTA	97	102	103	102	93
2 HARUS	103	99	108	98	102
3 ENA	102	91	93	94	98
4 ANNETTE	98	94	101	101	96
5 HARMIL	92	96	92	96	96
6 REBECCA	109	102	106	104	104
7 ZAVITZ	86	98	96	93	103
8 KARENA	100	101	89	103	101
9 AC RON	108	111	100	107	103
10 DELAWARE	104	105	111	103	104
LOCATION MEAN	6.96	7.38	6.37	5.98	4.90

*MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS;FALL WHITE WHEAT 1992

TRAIT : YIELD
 YEAR(S): 89-92
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	NN89N	LN89N	WK89N	EA89N	NN90N	LN90N	WK90N	EA90N	BH90N
1 AUGUSTA	3.49	4.08	4.53	6.03	5.47	3.95	4.29	6.75	4.84
2 HARUS	3.93	4.91	5.99	6.06	5.34	4.81	3.43	6.14	4.46
3 ENA	2.97	4.43	5.77	6.12	5.25	4.73	3.83	6.27	4.47
4 ANNETTE	3.39	4.59	6.18	6.07	5.27	4.52	3.69	6.39	4.77
5 HARMIL	3.60	5.18	6.33	6.67	5.25	4.30	3.84	5.99	5.26
6 REBECCA	3.44	5.19	5.62	6.89	5.44	4.71	4.40	6.89	5.08
7 ZAVITZ	3.59	4.95	6.02	6.20	5.61	4.55	3.58	6.14	4.53
8 KARENA	3.89	5.19	5.82	6.19	5.93	4.13	3.98	6.79	4.94
9 AC RON	3.73	4.90	6.62	6.20	5.79	4.48	3.85	6.57	5.51
10 DELAWARE	3.68	5.12	5.86	6.81	5.75	4.82	3.85	7.08	4.96
LOCATION MEAN	3.57	4.85	5.87	6.32	5.51	4.50	3.87	6.50	4.88

CULTIVAR NAME	NN91N	WK91N	EA91N	BH91N	NN92N	LN92N	WK92N	EA92N	BH92N	MEAN
1 AUGUSTA	4.29	5.92	5.86	4.82	6.27	7.25	7.24	7.83	5.10	5.44
2 HARUS	3.98	5.75	6.17	4.91	6.14	6.72	7.93	8.04	4.98	5.54
3 ENA	4.20	6.02	5.14	4.41	4.73	6.24	6.33	6.87	4.63	5.13
4 ANNETTE	4.47	6.28	5.05	4.97	5.96	6.74	7.20	7.49	4.94	5.44
5 HARMIL	4.09	6.28	4.65	4.77	6.19	6.83	6.59	7.27	5.10	5.45
6 REBECCA	4.45	6.36	5.80	4.56	5.49	7.55	7.64	8.57	4.94	5.72
7 ZAVITZ	4.07	6.43	6.52	4.80	5.94	6.57	6.74	8.10	4.59	5.50
8 KARENA	4.20	6.70	6.70	4.67	5.43	7.18	7.29	8.01	4.97	5.67
9 AC RON	4.44	7.07	6.58	5.18	6.76	7.26	7.19	8.60	5.90	5.92
10 DELAWARE	4.29	5.97	5.83	5.05	5.94	7.34	7.70	8.66	5.10	5.77
LOCATION MEAN	4.25	6.28	5.83	4.81	5.88	6.97	7.18	7.94	5.03	5.56

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

DATA EXPRESSED RELATIVE TO LOCATION MEANS

TRAIT : YIELD
 YEAR(S) : 89-92
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	NN89N	LN89N	WK89N	EA89N	NN90N	LN90N	WK90N	EA90N	BH90N	NN91N
1 AUGUSTA	98	84	77	95	99	88	111	104	99	101
2 HARUS	110	101	102	96	97	107	89	94	91	94
3 ENA	83	91	98	97	95	105	99	96	92	99
4 ANNETTE	95	95	105	96	96	100	95	98	98	105
5 HARMIL	101	107	108	105	95	96	99	92	108	96
6 REBECCA	96	107	96	109	99	105	114	106	104	105
7 ZAVITZ	101	102	102	98	102	101	92	94	93	96
8 KARENA	109	107	99	98	108	92	103	104	101	99
9 AC RON	104	101	113	98	105	100	99	101	113	105
10 DELAWARE	103	105	100	108	104	107	99	109	102	101
LOCATION MEAN	3.57	4.85	5.87	6.32	5.51	4.50	3.87	6.50	4.88	4.25

KEY NAME	WK91N	EA91N	BH91N	NN92N	LN92N	WK92N	EA92N	BH92N	MEAN*
1 AUGUSTA	94	101	100	107	104	101	99	101	98
2 HARUS	92	106	102	104	96	110	101	99	100
3 ENA	96	88	92	80	90	88	86	92	93
4 ANNETTE	100	87	103	101	97	100	94	98	98
5 HARMIL	100	80	99	105	98	92	92	101	99
6 REBECCA	101	99	95	93	108	106	108	98	103
7 ZAVITZ	102	112	100	101	94	94	102	91	99
8 KARENA	107	115	97	92	103	101	101	99	102
9 AC RON	113	113	108	115	104	100	108	117	106
10 DELAWARE	95	100	105	101	105	107	109	101	103
LOCATION MEAN	6.28	5.83	4.81	5.88	6.97	7.18	7.94	5.03	5.56

*MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

TRAIT : YIELD
 YEAR(S): 89-91 **
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

CULTIVAR NAME	O289N	KE90N	KE91N	MEAN
1 AUGUSTA	3.35	3.97	2.83	3.38
2 HARUS	3.02	3.78	2.61	3.14
3 ENA	2.74	4.50	2.74	3.33
4 ANNETTE	4.25	4.30	2.90	3.82
5 HARMIL	3.54	2.64	1.76	2.65
6 REBECCA	2.43	4.60	2.53	3.19
7 ZAVITZ	3.02	4.51	3.05	3.53
8 KARENA	3.14	4.78	2.64	3.52
9 AC RON	4.06	4.44	2.44	3.65
10 DELAWARE	3.47	5.10	2.75	3.77
LOCATION MEAN	3.30	4.26	2.63	3.40

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	O289N	KE90N	KE91N	MEAN
1 AUGUSTA	101	93	108	101
2 HARUS	91	89	99	93
3 ENA	83	106	104	98
4 ANNETTE	129	101	110	113
5 HARMIL	107	62	67	79
6 REBECCA	74	108	96	93
7 ZAVITZ	91	106	116	104
8 KARENA	95	112	101	103
9 AC RON	123	104	93	107
10 DELAWARE	105	120	105	110
LOCATION MEAN	3.30	4.26	2.63	3.40

** THERE ARE NO YIELD DATA FOR AREA 3 LOCATIONS IN 1992.

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

TRAIT : YIELD
 YEAR(S) : 89-92
 MGMT : NORMAL

KEY NAME	AREA 1 (14)*	AREA 2 (18)	AREA 3 (3)**	PROV. (35)***
1 AUGUSTA	4.61	5.44	3.38	4.93
2 HARUS	4.98	5.54	3.14	5.11
3 ENA	4.71	5.13	3.33	4.81
4 ANNETTE	4.74	5.44	3.82	5.02
5 HARMIL	4.73	5.45	2.65	4.92
6 REBECCA	5.11	5.72	3.19	5.26
7 ZAVITZ	4.94	5.50	3.53	5.10
8 KARENA	4.95	5.67	3.52	5.20
9 AC RON	5.11	5.92	3.65	5.40
10 DELAWARE	5.09	5.77	3.77	5.32
OVERALL MEAN	4.90	5.56	3.40	5.11

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA 1	AREA 2	AREA 3**	PROVINCE
1 AUGUSTA	92.5	97.9	100.8	96.0
2 HARUS	101.8	99.5	93.2	99.9
3 ENA	97.5	92.7	97.6	95.0
4 ANNETTE	96.0	98.0	113.4	98.5
5 HARMIL	96.4	98.5	78.8	96.0
6 REBECCA	104.5	102.7	92.6	102.6
7 ZAVITZ	103.0	98.8	104.5	100.9
8 KARENA	101.2	101.9	102.6	101.7
9 AC RON	103.4	106.5	106.7	105.3
10 DELAWARE	103.7	103.5	109.8	104.1
OVERALL MEAN	4.90	5.56	3.40	5.11

* # OF LOCATIONS
 ** AREA 3 CALCULATIONS ARE BASED ON DATA FROM 1989-1991.
 *** WEIGHTED AVERAGE

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

YEAR(S) : 89-92
 MGMT : NORMAL
 AREA : 1

KEY 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	0-9
1 AUGUSTA	10	4.61	70.0	35	90	2.9	105	155	3.3	4.0	2.9	3.6	4.5	.	2.0
2 HARUS	4	4.98	73.6	38	93	2.0	101	152	2.0	3.2	2.9	3.9	3.2	.	2.7
3 ENA	9	4.71	73.0	36	93	1.9	106	154	3.0	3.8	3.7	1.9	1.8	.	2.0
4 ANNETTE	7	4.74	72.1	40	86	4.1	105	154	0.4	4.5	2.7	4.0	4.8	.	1.7
5 HARMIL	8	4.73	70.9	33	86	2.5	107	154	3.2	3.1	2.3	3.4	5.1	.	2.0
6 REBECCA	1	5.11	72.2	37	84	2.2	98	154	2.7	4.3	2.2	2.5	2.6	.	3.1
7 ZAVITZ	6	4.94	71.4	43	91	2.1	105	155	2.1	1.8	2.8	2.0	2.4	.	1.8
8 KARENA	5	4.95	72.3	38	89	1.8	104	154	1.6	2.8	2.9	3.3	3.2	.	2.2
9 AC RON	1	5.11	71.4	38	90	1.8	103	154	2.8	3.5	2.7	2.8	4.2	.	2.1
10 DELAWARE	3	5.09	69.4	40	90	3.5	98	156	1.4	4.5	2.5	2.1	3.4	.	3.0
LOCATIONS		14	10	6	3	10	16	14	11	8	5	4	3	0	4

YIELD AVERAGES WERE BASED ON DATA FROM:
 1989: HARROW, RIDGETOWN, INWOOD, MORPETH.
 1990: RIDGETOWN.
 1991: HARROW, WOODSLEE, RIDGETOWN, MORPETH.
 1992: HARROW, WOODSLEE, RIDGETOWN, MORPETH, INWOOD.

YEAR(S) : 89-92
 MGMT : NORMAL
 AREA : 2

KEY 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	0-9
1 AUGUSTA	8	5.44	70.8	36	96	1.8	106	160	4.1	5.0	4.4	3.0	4.3	2.5	2.8
2 HARUS	5	5.54	73.8	36	96	0.9	99	158	2.9	5.3	5.1	7.0	3.3	2.0	2.3
3 ENA	10	5.13	73.9	35	96	2.2	104	159	2.8	5.5	5.1	2.0	2.3	2.5	1.5
4 ANNETTE	8	5.44	73.3	40	97	3.2	105	160	0.8	6.3	4.6	0.3	4.4	2.5	1.8
5 HARMIL	7	5.45	71.8	34	96	1.9	106	159	4.2	5.7	3.9	1.7	5.4	1.0	1.5
6 REBECCA	3	5.72	72.5	37	97	1.2	97	159	3.2	5.8	4.3	2.0	3.6	3.5	2.3
7 ZAVITZ	6	5.50	72.1	41	97	1.6	103	160	2.7	4.3	4.8	2.7	2.4	1.5	1.8
8 KARENA	4	5.67	73.0	36	96	1.4	103	158	2.1	5.3	4.6	3.3	3.7	2.0	2.5
9 AC RON	1	5.92	72.7	37	97	1.9	102	158	3.8	5.7	4.8	2.0	5.9	2.0	1.5
10 DELAWARE	2	5.77	70.6	40	98	3.8	98	161	1.9	6.3	4.2	2.0	4.1	3.0	1.8
LOCATIONS		18	18	16	10	11	17	12	8	6	6	1	2	1	2

YIELD AVERAGES WERE BASED ON DATA FROM:
 1989: NAIRN, LONDON, WOODSTOCK, ELORA .
 1990: NAIRN, LONDON, WOODSTOCK, ELORA, BATH.
 1991: NAIRN, WOODSTOCK, ELORA, BATH.
 1992: NAIRN, LONDON, WOODSTOCK, ELORA, BATH.

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

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

YEAR(S) : 89-91 **
 MGMT : NORMAL
 AREA : 3

KEY NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 AUGUSTA	6	3.38	76.5	39	58	2.5	100	164	7.3	8.0	4.5	.	.	.	.
2 HARUS	9	3.14	78.2	38	55	2.0	93	163	7.0	8.0	5.5	.	.	.	.
3 ENA	7	3.33	79.2	38	62	2.2	98	163	7.5	8.0	5.5	.	.	.	.
4 ANNETTE	1	3.82	78.5	43	58	2.2	96	164	5.0	8.0	5.0	.	.	.	.
5 HARMIL	10	2.65	77.1	35	56	2.1	97	164	7.3	8.0	4.0	.	.	.	.
6 REBECCA	8	3.19	77.7	38	62	2.2	90	164	7.5	8.0	4.0	.	.	.	.
7 ZAVITZ	4	3.53	76.4	43	62	2.3	98	164	7.5	8.0	5.5	.	.	.	.
8 KARENA	5	3.52	78.8	40	61	2.1	99	163	7.0	8.0	2.5	.	.	.	.
9 AC RON	3	3.65	77.3	39	63	2.1	97	163	7.3	8.0	3.0	.	.	.	.
10 DELAWARE	2	3.77	75.6	42	57	3.1	91	165	7.0	8.0	2.0	.	.	.	.
LOCATIONS		3	6	6	7	3	6	3	1	1	1	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:

1989: OTTAWA-2
 1990: KEMPTVILLE.
 1991: KEMPTVILLE

**1992: THERE ARE NO YIELD DATA FOR AREA 3 LOCATIONS IN 1992.

YEAR(S) : 89-92
 MGMT : NORMAL
 AREA(S) : 1- 3

KEY 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	0-9
1 AUGUSTA	8	4.93	71.6	37	82	2.3	104	158	3.8	4.6	3.8	3.5	4.4	2.5	2.2
2 HARUS	5	5.11	74.6	37	81	1.5	98	156	2.6	4.3	4.2	4.5	3.2	2.0	2.5
3 ENA	10	4.81	74.6	36	84	2.0	103	157	3.1	4.8	4.6	1.9	2.0	2.5	1.8
4 ANNETTE	7	5.02	73.9	41	82	3.4	103	158	0.8	5.5	3.9	3.3	4.7	2.5	1.7
5 HARMIL	9	4.92	72.5	34	80	2.2	105	157	3.8	4.5	3.3	3.0	5.2	1.0	1.9
6 REBECCA	3	5.26	73.3	37	83	1.7	96	157	3.1	5.2	3.4	2.4	3.0	3.5	2.8
7 ZAVITZ	6	5.10	72.6	42	84	1.9	103	158	2.6	3.2	4.0	2.1	2.4	1.5	1.8
8 KARENA	4	5.20	74.0	37	83	1.7	102	157	2.1	4.1	3.7	3.3	3.4	2.0	2.3
9 AC RON	1	5.40	73.2	38	84	1.9	102	157	3.4	4.6	3.8	2.6	4.9	2.0	1.9
10 DELAWARE	2	5.32	71.2	40	82	3.6	96	159	1.9	5.4	3.3	2.1	3.7	3.0	2.5
LOCATIONS		35	35	29	20	24	40	30	20	15	12	5	5	1	6

YIELD AVERAGES WERE BASED ON DATA FROM:

1989: HARROW, RIDGETOWN, INWOOD, MORPETH, NAIRN, LONDON, WOODSTOCK, ELORA, OTTAWA-2
 1990: RIDGETOWN, NAIRN, LONDON, WOODSTOCK, ELORA, BATH, KEMPTVILLE.
 1991: HARROW, WOODSLEE, RIDGETOWN, MORPETH, NAIRN, WOODSTOCK, ELORA, BATH, KEMPTVILLE
 1992: HARROW, WOODSLEE, RIDGETOWN, MORPETH, INWOOD, NAIRN, LONDON, WOODSTOCK,
 ELORA, BATH.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

TRAIT : YIELD
 YEAR : 92
 AREA : 1

KEY NAME	HW92N	WE92N	RN92N	MH92N	ID92N	MEAN
1 AUGUSTA	6.25	6.76	7.55	6.57	6.09	6.64
2 HARUS	6.35	7.17	7.28	6.87	5.85	6.70
3 ENA	5.96	7.10	6.74	5.94	5.61	6.27
4 ANNETTE	6.50	6.84	6.92	6.46	6.02	6.55
5 HARMIL	6.69	6.39	7.10	5.88	5.71	6.35
6 REBECCA	5.95	7.59	7.56	6.74	6.24	6.82
7 ZAVITZ	6.34	6.00	7.25	6.14	5.58	6.26
8 KARENA	6.39	6.99	7.45	5.69	6.13	6.53
9 AC RON	6.87	7.50	8.18	6.39	6.38	7.06
10 DELAWARE	6.27	7.25	7.73	7.05	6.15	6.89
LOCATION MEAN	6.36	6.96	7.38	6.37	5.98	6.61

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	HW92N	WE92N	RN92N	MH92N	ID92N	MEAN*
1 AUGUSTA	98	97	102	103	102	101
2 HARUS	100	103	99	108	98	101
3 ENA	94	102	91	93	94	95
4 ANNETTE	102	98	94	101	101	99
5 HARMIL	105	92	96	92	96	96
6 REBECCA	94	109	102	106	104	103
7 ZAVITZ	100	86	98	96	93	95
8 KARENA	101	100	101	89	103	99
9 AC RON	108	108	111	100	107	107
10 DELAWARE	99	104	105	111	103	104
LOCATION MEAN	6.36	6.96	7.38	6.37	5.98	6.61

*MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

TRAIT : YIELD
 YEAR : 92
 AREA : 2

CULTIVAR NAME	NN92N	LN92N	WK92N	EA92N	BH92N	MEAN
1 AUGUSTA	6.27	7.25	7.24	7.83	5.10	6.74
2 HARUS	6.14	6.72	7.93	8.04	4.98	6.76
3 ENA	4.73	6.24	6.33	6.87	4.63	5.76
4 ANNETTE	5.96	6.74	7.20	7.49	4.94	6.47
5 HARMIL	6.19	6.83	6.59	7.27	5.10	6.40
6 REBECCA	5.49	7.55	7.64	8.57	4.94	6.84
7 ZAVITZ	5.94	6.57	6.74	8.10	4.59	6.39
8 KARENA	5.43	7.18	7.29	8.01	4.97	6.58
9 AC RON	6.76	7.26	7.19	8.60	5.90	7.14
10 DELAWARE	5.94	7.34	7.70	8.66	5.10	6.95
LOCATION MEAN	5.88	6.97	7.18	7.94	5.03	6.60

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	NN92N	LN92N	WK92N	EA92N	BH92N	MEAN*
1 AUGUSTA	107	104	101	99	101	102
2 HARUS	104	96	110	101	99	102
3 ENA	80	90	88	86	92	87
4 ANNETTE	101	97	100	94	98	98
5 HARMIL	105	98	92	92	101	98
6 REBECCA	93	108	106	108	98	103
7 ZAVITZ	101	94	94	102	91	96
8 KARENA	92	103	101	101	99	99
9 AC RON	115	104	100	108	117	109
10 DELAWARE	101	105	107	109	101	105
LOCATION MEAN	5.88	6.97	7.18	7.94	5.03	6.60

*MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

YEAR : 92
MGMT : NORMAL
AREA : 1

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	5	6.64	72.9	41	90	2.5	109	159	3.7	3.0	3.0	.	.	.	.
2 HARUS	4	6.70	75.5	41	93	1.8	103	156	2.4	1.6	3.0	.	.	.	.
3 ENA	9	6.27	73.3	41	93	2.1	109	158	3.3	3.5	3.0	.	.	.	.
4 ANNETTE	6	6.55	72.5	45	86	4.5	105	158	0.9	4.6	3.5	.	.	.	.
5 HARMIL	8	6.35	71.0	36	86	3.3	109	158	3.2	2.7	2.5	.	.	.	.
6 REBECCA	3	6.82	73.2	41	84	2.2	97	158	4.0	4.2	2.0	.	.	.	.
7 ZAVITZ	10	6.26	71.2	47	91	2.7	108	159	3.5	1.1	3.5	.	.	.	.
8 KARENA	7	6.53	73.0	41	89	2.4	106	158	2.1	2.7	2.5	.	.	.	.
9 AC RON	1	7.06	73.2	41	90	2.5	106	158	3.3	2.8	2.5	.	.	.	.
10 DELAWARE	2	6.89	69.8	43	90	3.6	99	159	2.5	4.3	3.5	.	.	.	.
LOCATIONS	5	3	3	3	4	5	4	3	2	1	0	0	0	0	0

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

YEAR : 92
MGMT : NORMAL
AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	5	6.74	72.3	39	95	1.2	110	163	5.0	2.3	5.6	.	.	2.5	.
2 HARUS	4	6.76	74.7	39	92	0.6	103	161	3.7	3.0	6.3	.	.	2.0	.
3 ENA	10	5.76	74.7	37	94	3.1	111	163	3.3	3.7	4.8	.	.	2.5	.
4 ANNETTE	7	6.47	74.3	42	96	4.0	108	163	0.0	4.3	4.9	.	.	2.5	.
5 HARMIL	8	6.40	72.9	35	93	2.4	113	162	4.7	4.7	4.8	.	.	1.0	.
6 REBECCA	3	6.84	73.5	41	95	0.5	99	162	2.0	2.0	4.8	.	.	3.5	.
7 ZAVITZ	9	6.39	73.3	44	97	2.0	110	163	3.3	1.3	5.1	.	.	1.5	.
8 KARENA	6	6.58	73.1	39	95	0.9	107	162	3.3	2.0	5.9	.	.	2.0	.
9 AC RON	1	7.14	74.0	41	98	1.8	107	161	3.3	2.7	5.3	.	.	2.0	.
10 DELAWARE	2	6.95	71.8	42	98	3.3	102	164	2.0	3.0	5.0	.	.	3.0	.
LOCATIONS	5	5	5	4	3	5	3	1	1	2	0	0	1	0	0

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

YEAR : 92
MGMT : NORMAL
AREA(S) : 1- 3

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	5	6.69	72.7	40	93	2.0	107	161	4.0	2.8	4.7	.	.	2.5	.
2 HARUS	4	6.73	75.1	40	92	1.3	101	159	2.8	2.1	5.2	.	.	2.0	.
3 ENA	10	6.02	74.3	39	94	2.5	108	161	3.3	3.6	4.2	.	.	2.5	.
4 ANNETTE	7	6.51	73.9	44	92	4.3	105	161	0.7	4.5	4.5	.	.	2.5	.
5 HARMIL	8	6.38	72.1	36	90	2.9	109	160	3.6	3.3	4.1	.	.	1.0	.
6 REBECCA	3	6.83	73.4	41	90	1.5	97	160	3.5	3.5	3.9	.	.	3.5	.
7 ZAVITZ	9	6.32	72.4	46	94	2.4	107	161	3.5	1.2	4.6	.	.	1.5	.
8 KARENA	6	6.55	73.3	40	92	1.7	105	160	2.4	2.4	4.8	.	.	2.0	.
9 AC RON	1	7.10	73.7	41	94	2.2	105	160	3.3	2.8	4.4	.	.	2.0	.
10 DELAWARE	2	6.92	71.2	43	94	3.5	98	162	2.4	3.8	4.5	.	.	3.0	.
LOCATIONS	10	9	9	7	7	11	8	4	3	3	0	0	1	0	0

YIELD AVERAGES WERE BASED ON DATA FROM: HARROW, WOODSLEE, RIDGETOWN, MORPETH, INWOOD, NAIRN, LONDON, WOODSTOCK, ELORA, BATH.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

LOCATION - HARROW
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	ACH 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	8	6.25	.	.	.	3.9	121	154	5.6	3.0	7.0	.	.	.	.
2 HARUS	5	6.35	.	.	.	2.3	119	152	5.8	1.8	6.5	.	.	.	.
3 ENA	9	5.96	.	.	.	3.3	122	154	6.8	2.1	5.8	.	.	.	.
4 ANNETTE	3	6.50	.	.	.	7.5	123	153	2.8	3.2	6.7	.	.	.	.
5 HARMIL	2	6.69	.	.	.	2.6	128	153	5.7	1.3	6.2	.	.	.	.
6 REBECCA	10	5.95	.	.	.	5.5	114	153	5.5	3.4	5.2	.	.	.	.
7 ZAVITZ	6	6.34	.	.	.	3.2	123	154	6.0	1.2	4.8	.	.	.	.
8 KARENA	4	6.39	.	.	.	4.2	122	153	4.7	1.8	5.5	.	.	.	.
9 AC RON	1	6.87	.	.	.	5.5	122	153	6.5	2.6	6.3	.	.	.	.
10 DELAWARE	7	6.27	.	.	.	7.0	112	154	4.6	2.5	5.0	.	.	.	.
MEANS		6.36	.	.	.	4.5	121	153	5.4	2.3	5.9	.	.	.	.

LOCATION - WOODSLEE
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	8	6.76	.	.	87	0.3	106	159	.	.	.	.	.	.	.
2 HARUS	4	7.17	.	.	92	0.2	101	158	.	.	.	.	.	.	.
3 ENA	5	7.10	.	.	97	0.2	113	158	.	.	.	.	.	.	.
4 ANNETTE	7	6.84	.	.	81	1.4	107	159	.	.	.	.	.	.	.
5 HARMIL	9	6.39	.	.	76	2.6	107	159	.	.	.	.	.	.	.
6 REBECCA	1	7.59	.	.	74	0.7	95	159	.	.	.	.	.	.	.
7 ZAVITZ	10	6.00	.	.	83	0.8	101	159	.	.	.	.	.	.	.
8 KARENA	6	6.99	.	.	84	1.8	105	159	.	.	.	.	.	.	.
9 AC RON	2	7.50	.	.	85	0.2	103	158	.	.	.	.	.	.	.
10 DELAWARE	3	7.25	.	.	85	0.4	96	160	.	.	.	.	.	.	.
MEANS		6.96	.	.	84	0.9	103	159	.	.	.	.	.	.	.

LOCATION - RIDGETOWN
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
	RK	T/HA													
1 AUGUSTA	4	7.55	73.2	39	89	2.8	113	161	2.0	3.0	3.0	.	.	.	202
2 HARUS	6	7.28	76.0	40	91	2.5	107	159	0.5	1.5	3.0	.	.	.	202
3 ENA	10	6.74	72.2	43	88	2.8	114	159	1.5	5.0	3.0	.	.	.	202
4 ANNETTE	9	6.92	70.7	44	82	4.0	106	162	0.0	6.0	3.5	.	.	.	202
5 HARMIL	8	7.10	70.5	37	89	4.8	114	160	2.5	4.0	2.5	.	.	.	202
6 REBECCA	3	7.56	73.4	40	82	1.5	98	159	5.0	5.0	2.0	.	.	.	203
7 ZAVITZ	7	7.25	70.0	47	95	3.8	116	162	0.5	1.0	3.5	.	.	.	202
8 KARENA	5	7.45	74.4	41	88	2.5	113	159	0.5	3.5	2.5	.	.	.	202
9 AC RON	1	8.18	74.0	40	91	2.5	110	160	1.0	3.0	2.5	.	.	.	203
10 DELAWARE	2	7.73	68.8	42	89	3.0	101	162	1.0	6.0	3.5	.	.	.	202
MEANS		7.38	72.3	41	88	3.0	109	160	1.5	3.8	2.9	.	.	.	202

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

LOCATION - MORPETH
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	ACH 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	4	6.57	74.3	44	.	3.0	103	160	3.5	.	4.5	.	.	.	.
2 HARUS	2	6.87	76.9	42	.	2.0	95	156	1.0	.	3.5	.	.	.	.
3 ENA	8	5.94	74.7	42	.	2.0	91	160	1.5	.	7.0	.	.	.	.
4 ANNETTE	5	6.46	74.2	46	.	5.0	93	159	0.0	.	7.0	.	.	.	.
5 HARMIL	9	5.88	71.8	37	.	3.0	95	158	1.5	.	4.0	.	.	.	.
6 REBECCA	3	6.74	73.4	44	.	1.0	88	160	1.5	.	3.0	.	.	.	.
7 ZAVITZ	7	6.14	71.4	47	.	3.0	95	160	4.0	.	5.0	.	.	.	.
8 KARENA	10	5.69	72.7	43	.	1.0	95	159	1.0	.	6.0	.	.	.	.
9 AC RON	6	6.39	73.3	41	.	2.0	96	159	2.5	.	4.5	.	.	.	.
10 DELAWARE	1	7.05	70.1	45	.	4.0	88	161	2.0	.	5.0	.	.	.	.
MEANS		6.37	73.3	43	.	2.6	94	159	1.9	.	5.0	.	.	.	.

LOCATION - INWOOD
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	5	6.09	71.3	39	95	.	100	.	.	.	.	.	.	.	.
2 HARUS	7	5.85	73.7	41	95	.	92	.	.	.	.	.	.	.	.
3 ENA	9	5.61	72.9	39	95	.	103	.	.	.	.	.	.	.	.
4 ANNETTE	6	6.02	72.5	45	95	.	97	.	.	.	.	.	.	.	.
5 HARMIL	8	5.71	70.6	35	94	.	102	.	.	.	.	.	.	.	.
6 REBECCA	2	6.24	72.8	40	95	.	92	.	.	.	.	.	.	.	.
7 ZAVITZ	10	5.58	72.1	46	94	.	107	.	.	.	.	.	.	.	.
8 KARENA	4	6.13	71.8	40	95	.	96	.	.	.	.	.	.	.	.
9 AC RON	1	6.38	72.3	43	95	.	98	.	.	.	.	.	.	.	.
10 DELAWARE	3	6.15	70.4	43	95	.	97	.	.	.	.	.	.	.	.
MEANS		5.98	72.0	41	95	.	98	.	.	.	.	.	.	.	.

LOCATION - LONDON
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	4	7.25	73.6	44	95	0.5	105	.	.	.	.	.	.	.	.
2 HARUS	8	6.72	75.2	43	95	0.0	101	.	.	.	.	.	.	.	.
3 ENA	10	6.24	74.6	42	95	1.8	108	.	.	.	.	.	.	.	.
4 ANNETTE	7	6.74	74.8	49	95	1.5	103	.	.	.	.	.	.	.	.
5 HARMIL	6	6.83	73.7	39	93	2.2	110	.	.	.	.	.	.	.	.
6 REBECCA	1	7.55	74.7	44	95	0.2	95	.	.	.	.	.	.	.	.
7 ZAVITZ	9	6.57	73.4	47	94	0.2	110	.	.	.	.	.	.	.	.
8 KARENA	5	7.18	73.5	42	95	1.0	105	.	.	.	.	.	.	.	.
9 AC RON	3	7.26	74.2	43	95	2.0	104	.	.	.	.	.	.	.	.
10 DELAWARE	2	7.34	71.5	45	95	1.0	99	.	.	.	.	.	.	.	.
MEANS		6.97	73.9	44	95	1.0	104	.	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

LOCATION - NAIRN
MANAGEMENT - NORMAL

KEY NAME	RK	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
		T/HA														
1 AUGUSTA	2	6.27	75.4	41	96	1.9	113	160	.	.	.	.	.	.	2.5	.
2 HARUS	4	6.14	77.6	41	95	1.8	101	158	.	.	.	.	.	.	2.0	.
3 ENA	10	4.73	77.4	39	98	4.5	107	159	.	.	.	.	.	.	2.5	.
4 ANNETTE	5	5.96	76.9	45	97	5.1	109	160	.	.	.	.	.	.	2.5	.
5 HARMIL	3	6.19	76.5	39	98	4.8	112	159	.	.	.	.	.	.	1.0	.
6 REBECCA	8	5.49	76.3	43	98	1.4	96	159	.	.	.	.	.	.	3.5	.
7 ZAVITZ	6	5.94	75.5	45	98	5.9	106	160	.	.	.	.	.	.	1.5	.
8 KARENA	9	5.43	75.1	39	96	1.3	106	159	.	.	.	.	.	.	2.0	.
9 AC RON	1	6.76	75.9	41	98	3.3	108	159	.	.	.	.	.	.	2.0	.
10 DELAWARE	6	5.94	73.6	43	98	3.8	101	160	.	.	.	.	.	.	3.0	.
MEANS		5.88	76.0	41	97	3.4	106	159	.	.	.	.	.	.	2.3	.

LOCATION - WOODSTOCK
MANAGEMENT - NORMAL

KEY NAME	RK	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
		T/HA														
1 AUGUSTA	5	7.24	69.9	35	.	.	113	162	5.0	.	.	.	.	.	.	.
2 HARUS	1	7.93	74.8	32	.	.	108	160	3.7	.	.	.	.	.	.	.
3 ENA	10	6.33	74.8	33	.	.	117	162	3.3	.	.	.	.	.	.	.
4 ANNETTE	6	7.20	74.8	37	.	.	110	162	0.0	.	.	.	.	.	.	.
5 HARMIL	9	6.59	73.6	32	.	.	118	161	4.7	.	.	.	.	.	.	.
6 REBECCA	3	7.64	72.3	33	.	.	105	161	2.0	.	.	.	.	.	.	.
7 ZAVITZ	8	6.74	74.8	41	.	.	113	162	3.3	.	.	.	.	.	.	.
8 KARENA	4	7.29	73.0	38	.	.	110	161	3.3	.	.	.	.	.	.	.
9 AC RON	7	7.19	76.1	41	.	.	110	160	3.3	.	.	.	.	.	.	.
10 DELAWARE	2	7.70	74.8	39	.	.	102	164	2.0	.	.	.	.	.	.	.
MEANS		7.18	73.9	36	.	.	111	161	3.1	.	.	.	.	.	.	.

LOCATION - ELORA
MANAGEMENT - NORMAL

KEY NAME	RK	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
		T/HA														
1 AUGUSTA	7	7.83	70.5	35	92	1.3	115	167	.	2.3	3.7	.	.	.	.	210
2 HARUS	5	8.04	72.3	38	80	0.0	107	166	.	3.0	5.3	.	.	.	.	211
3 ENA	10	6.87	73.0	35	93	3.0	117	167	.	3.7	2.3	.	.	.	.	209
4 ANNETTE	8	7.49	71.7	33	95	5.3	117	166	.	4.3	2.7	.	.	.	.	209
5 HARMIL	9	7.27	68.0	28	83	0.3	117	166	.	4.7	2.7	.	.	.	.	211
6 REBECCA	3	8.57	72.3	42	90	0.0	107	165	.	2.0	2.3	.	.	.	.	212
7 ZAVITZ	4	8.10	71.1	43	97	0.0	115	167	.	1.3	3.0	.	.	.	.	211
8 KARENA	6	8.01	71.1	34	88	0.3	112	165	.	2.0	4.3	.	.	.	.	209
9 AC RON	2	8.60	71.7	37	98	0.0	110	165	.	2.7	3.7	.	.	.	.	209
10 DELAWARE	1	8.66	68.0	38	98	5.0	110	168	.	3.0	3.0	.	.	.	.	210
MEANS		7.94	71.0	36	92	1.5	113	166	.	2.9	3.3	.	.	.	.	210

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL WHITE WHEAT 1992

LOCATION - OTTAWA-1
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	.	.	73.9	43	.	.	88	166	.	.	.	.	.	.	.
2 HARUS	.	.	75.9	44	.	.	80	163	.	.	.	.	.	.	.
3 ENA	.	.	75.7	40	.	.	92	165	.	.	.	.	.	.	.
4 ANNETTE	.	.	76.4	50	.	.	87	166	.	.	.	.	.	.	.
5 HARMIL	.	.	72.0	36	.	.	88	165	.	.	.	.	.	.	.
6 REBECCA	.	.	74.0	40	.	.	82	155	.	.	.	.	.	.	.
7 ZAVITZ	.	.	71.5	50	.	.	83	167	.	.	.	.	.	.	.
8 KARENA	.	.	75.1	40	.	.	87	164	.	.	.	.	.	.	.
9 AC RON	.	.	73.8	43	.	.	87	164	.	.	.	.	.	.	.
10 DELAWARE	.	.	72.5	47	.	.	73	166	.	.	.	.	.	.	.
MEANS	.	.	74.1	43	.	.	85	165	.	.	.	.	.	.	.

LOCATION - BATH
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA													
1 AUGUSTA	2	5.10	72.0	39	98	.	102	.	.	.	7.5	.	.	.	.
2 HARUS	5	4.98	73.6	40	99	.	100	.	.	.	7.2	.	.	.	.
3 ENA	9	4.63	73.7	38	91	.	104	.	.	.	7.3	.	.	.	.
4 ANNETTE	7	4.94	73.4	44	97	.	101	.	.	.	7.2	.	.	.	.
5 HARMIL	2	5.10	72.5	38	99	.	106	.	.	.	7.0	.	.	.	.
6 REBECCA	7	4.94	71.8	41	98	.	94	.	.	.	7.3	.	.	.	.
7 ZAVITZ	10	4.59	71.8	44	99	.	105	.	.	.	7.2	.	.	.	.
8 KARENA	6	4.97	72.9	40	99	.	102	.	.	.	7.5	.	.	.	.
9 AC RON	1	5.90	72.3	42	99	.	102	.	.	.	7.0	.	.	.	.
10 DELAWARE	2	5.10	71.0	44	99	.	98	.	.	.	7.0	.	.	.	.
MEANS		5.03	72.5	41	98	.	101	.	.	.	7.2	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

INDEX

DESCRIPTION OF VARIETIES
 3 YEAR INDIVIDUAL TRAIT SUMMARIES
 3 YEAR OVERALL SUMMARIES
 1 YEAR INDIVIDUAL TRAIT SUMMARIES
 1 YEAR OVERALL SUMMARIES
 INDIVIDUAL TRIAL SUMMARIES

LEGEND

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

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

LOCATIONS ABBREVIATIONS

EA	ELORA
HN	HARRISTON
LL	LISTOWEL
NN	NAIRN
RN	RIDGETOWN
WE	WOODSLEE
WK	WOODSTOCK

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

DESCRIPTION OF REGISTERED VARIETIES

KARAT:

P.EXTREM/BEZ-1. DEVELOPED IN AUSTRIA AND MARKETED IN ONTARIO BY C&M SEEDS, PALMERSTON, ONTARIO. A STRONG STRAWED TALL VARIETY WITH GOOD TEST WEIGHT. HIGH FLOUR AND GRAIN PROTEIN AS WELL AS HIGH LOAF VOLUME. GOOD RESISTANCE TO MILDEW, AND HEAD BLIGHT. SUSCEPTIBLE TO SEPTORIA AND SSMV.

RUBY, (TW84BU039):

FREDRICK/PRIBOY. DEVELOPED AT HYLAND FARMS CROP RESEARCH, MORPETH, CANADA. MARKETED IN CANADA BY W.G. THOMPSON AND SONS LTD. A VERY HIGH YIELDING, SHORT STRAWED, VARIETY WITH EXCELLENT WINTER SURVIVAL. A MIDDLE STRENGTH WHEAT WITH HIGH TEST WEIGHT AND FLOUR YIELD. GOOD LEAF RUST, BYDV, AND GLUME BLOTCH RESISTANCE, MODERATE SUSCEPTIBILITY TO OTHER PREVALENT DISEASES.

LUCAS, (M.9.1):

O1.1959 W1-2. DEVELOPED IN GERMANY AND MARKETED IN ONTARIO BY C&M SEEDS, PALMERSTON, ONT. A HIGH YIELDING AWNED VARIETY WITH EARLY MATURITY, SHORT STRAW AND LARGE KERNELS. GOOD RESISTANCE TO POWDERY MILDEW AND LEAF RUST. SUSCEPTIBLE TO SEPTORIA.

FUNDULEA:

AURORA/RILEY.67. DEVELOPED IN ROMANIA AND MARKETED IN ONTARIO BY C&M SEEDS, PALMERSTON, ONT. A HIGH YIELDING, SHORT STRAWED VARIETY WITH GOOD WINTER SURVIVAL AND GOOD RESISTANCE TO MILDEW, LEAF RUST, AND SSMV. GOOD MILLING QUALITY, SUITABLE FOR BREAD MAKING IN BLENDS WITH CANADIAN WESTERN RED SPRING. SUSCEPTIBLE TO GLUME BLOTCH.

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

TRAIT : YIELD
 YEAR(S) : 90-92
 AREA : 1

KEY NAME	RN90N	WE91N	RN91N	WE92N	RN92N	MEAN
1 KARAT	4.14	3.20	3.02	4.58	5.60	4.11
2 RUBY	5.00	4.20	4.00	6.93	6.88	5.40
3 LUCAS	5.58	3.43	4.50	6.22	6.29	5.20
LOCATION MEAN	4.91	3.61	3.84	5.91	6.26	4.90

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	RN90N	WE91N	RN91N	WE92N	RN92N	MEAN*
1 KARAT	84	89	79	77	90	84
2 RUBY	102	116	104	117	110	110
3 LUCAS	114	95	117	105	101	106
LOCATION MEAN	4.91	3.61	3.84	5.91	6.26	4.90

TRAIT : YIELD
 YEAR(S) : 90-92
 AREA : 2

KEY NAME	NN90N	WK90N	EA90N	HN90N	NN91N	WK91N	EA91N	HN91N	LL91N	NN92N	WK92N	EA92N	HN92N	MEAN
1 KARAT	6.02	4.39	7.50	6.45	3.88	4.29	4.57	4.70	4.30	5.41	6.81	6.80	3.61	5.29
2 RUBY	6.04	4.39	6.65	6.54	4.62	5.72	6.36	5.89	5.01	6.25	7.10	8.59	5.23	6.03
3 LUCAS	6.20	4.17	7.82	6.48	4.47	5.72	5.04	4.95	3.82	5.57	8.86	7.00	4.08	5.71
LOC. MEAN	6.09	4.32	7.32	6.49	4.32	5.24	5.32	5.18	4.38	5.74	7.59	7.46	4.31	5.67

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	NN90N	WK90N	EA90N	HN90N	NN91N	WK91N	EA91N	HN91N	LL91N	NN92N	WK92N	EA92N	HN92N	MEAN*
1 KARAT	99	102	102	99	90	82	86	91	98	94	90	91	84	93
2 RUBY	99	102	91	101	107	109	119	114	114	109	94	115	121	107
3 LUCAS	102	97	107	100	103	109	95	96	87	97	117	94	95	100
LOC. MEAN	6.09	4.32	7.32	6.49	4.32	5.24	5.32	5.18	4.38	5.74	7.59	7.46	4.31	5.67

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

TRAIT : YIELD
 YEAR(S) : 90-92
 MGMT : NORMAL

KEY NAME	AREA 1 (5)*	AREA 2 (13)	AREA 3 (2)**	PROVINCE (20)***
1 KARAT	4.11	5.29	4.23	4.89
2 RUBY	5.40	6.03	4.66	5.74
3 LUCAS	5.20	5.71	4.51	5.46
OVERALL MEAN	4.90	5.67	4.47	5.36

MEAN OF THE RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA 1	AREA 2	AREA 3**	PROVINCE
1 KARAT	83.7	92.9	93.2	90.6
2 RUBY	109.9	107.3	106.6	107.9
3 LUCAS	106.3	99.8	100.2	101.5
OVERALL MEAN	4.90	5.67	4.47	5.36

- * # OF LOCATIONS
 ** AREA 3 CALCULATIONS ARE BASED ON DATA FROM 1991 ONLY.
 *** WEIGHTED AVERAGE

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

YEAR(S): 90-92
 MGMT : NORMAL
 AREA : 1

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	3	4.11	76.6	46	80	1.2	104	154	1.7	2.0	.	.	1.0	.	2.8
2 RUBY	1	5.40	78.2	43	90	0.8	90	151	2.0	1.0	.	.	3.0	.	1.5
3 LUCAS;M.9.1	2	5.20	78.2	52	80	1.9	81	150	0.3	1.0	.	.	3.0	.	1.8
LOCATIONS		5	3	1	2	4	6	6	3	2	0	0	1	0	2

YIELD AVERAGES WERE BASED ON DATA FROM:

1990: RIDGETOWN.
 1991: WOODSLEE, RIDGETOWN.
 1992: WOODSLEE, RIDGETOWN.

YEAR(S): 90-92
 MGMT : NORMAL
 AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	3	5.29	76.6	41	91	0.4	107	159	2.3	2.6	4.1	2.9	.	4.5	2.5
2 RUBY	1	6.03	76.4	39	94	0.7	92	156	3.8	0.9	4.4	2.2	.	1.0	2.3
3 LUCAS;M.9.1	2	5.71	75.3	44	90	0.2	81	155	1.6	2.2	4.6	2.7	.	3.5	4.7
LOCATIONS		13	13	13	7	5	12	13	4	4	7	6	0	1	3

YIELD AVERAGES WERE BASED ON DATA FROM:

1990: NAIRN, WOODSTOCK, ELORA, HARRISTON.
 1991: NAIRN, WOODSTOCK, ELORA, HARRISTON, LISTOWEL.
 1992: NAIRN, WOODSTOCK, ELORA, HARRISTON.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

YEAR(S) : 90-92
 MGMT : NORMAL
 AREA : 3

KEY 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	0-9
1 KARAT	3	4.23	79.9	43	81	.	100	163	.	.	.	.	.	.	.
2 RUBY	1	4.66	78.8	39	85	.	88	160	.	.	.	.	.	.	.
3 LUCAS;M.9.1	2	4.51	78.4	46	79	.	77	160	.	.	.	.	.	.	.
LOCATIONS		2	4	4	4	0	4	3	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:
 1991: BEACHBURG, KEMPTVILLE.

YEAR(S) : 90-92
 MGMT : NORMAL
 AREA(S) : 1- 3

KEY 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	0-9
1 KARAT	3	4.89	77.3	42	86	0.7	105	158	2.0	2.4	4.1	2.9	1.0	4.5	2.6
2 RUBY	1	5.74	77.2	39	91	0.8	91	155	3.0	0.9	4.4	2.2	3.0	1.0	2.0
3 LUCAS;M.9.1	2	5.46	76.2	45	85	1.0	80	154	1.1	1.8	4.6	2.7	3.0	3.5	3.5
LOCATIONS		20	20	18	13	9	22	22	7	6	7	6	1	1	5

YIELD AVERAGES WERE BASED ON DATA FROM:
 1990: RIDGETOWN, NAIRN, WOODSTOCK, ELORA, HARRISTON.
 1991: WOODSLEE, RIDGETOWN, NAIRN, WOODSTOCK, ELORA, HARRISTON, LISTOWEL,
 BEACHBURG, KEMPTVILLE.
 1992: WOODSLEE, RIDGETOWN, NAIRN, WOODSTOCK, ELORA, HARRISTON.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

TRAIT : YIELD
 YEAR(S): 92
 AREA : 1

KEY NAME	WE92N	RN92N	MEAN
1 KARAT	4.58	5.60	5.09
2 RUBY	6.93	6.88	6.90
3 LUCAS	6.22	6.29	6.26
4 FUNDULEA	7.51	6.42	6.97
LOCATION MEAN	6.31	6.30	6.30

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	WE92N	RN92N	MEAN*
1 KARAT	73	89	81
2 RUBY	110	109	110
3 LUCAS	99	100	99
4 FUNDULEA	119	102	110
LOCATION MEAN	6.31	6.30	6.30

TRAIT : YIELD
 YEAR(S): 92
 AREA : 2

KEY NAME	NN92N	WK92N	EA92N	HN92N	MEAN
1 KARAT	5.41	6.81	6.80	3.61	5.66
2 RUBY	6.25	7.10	8.59	5.23	6.79
3 LUCAS	5.57	8.86	7.00	4.08	6.38
4 FUNDULEA	5.99	7.98	7.77	4.35	6.52
LOCATION MEAN	5.80	7.69	7.54	4.32	6.34

TRAIT : YIELD
 YEAR(S): 92
 AREA : 2

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	NN92N	WK92N	EA92N	HN92N	MEAN*
1 KARAT	93	89	90	84	89
2 RUBY	108	92	114	121	109
3 LUCAS	96	115	93	94	100
4 FUNDULEA	103	104	103	101	103
LOCATION MEAN	5.80	7.69	7.54	4.32	6.34

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

TRAIT : YIELD
 YEAR(S) : 92
 MGMT : NORMAL

KEY NAME	AREA 1 (2)*	AREA 2 (4)	PROVINCE (6)**
1 KARAT	5.09	5.66	5.47
2 RUBY	6.90	6.79	6.83
3 LUCAS	6.26	6.38	6.34
4 FUNDULEA	6.97	6.52	6.67
OVERALL MEAN	6.30	6.34	6.33

* # OF LOCATIONS
 ** WEIGHTED AVERAGE

MEAN OF THE RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA 1	AREA 2	PROVINCE
1 KARAT	80.8	88.9	86.2
2 RUBY	109.5	108.8	109.0
3 LUCAS	99.2	99.6	99.5
4 FUNDULEA	110.5	102.7	105.3
OVERALL MEAN	6.30	6.34	6.33

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

YEAR : 92
 MGMT : NORMAL
 AREA : 1

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	4	5.09	74.4	46	80	1.6	107	160	.	.	.	.	.	.	.
2 RUBY	2	6.90	78.0	43	90	1.3	95	157	.	.	.	.	.	.	.
3 LUCAS;M.9.1	3	6.26	77.6	52	80	2.3	85	156	.	.	.	.	.	.	.
4 FUNDULEA	1	6.97	78.2	42	89	0.0	87	160	.	.	.	.	.	.	.
LOCATIONS		2	1	1	2	2	2	2	0	0	0	0	0	0	0

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

YEAR : 92
 MGMT : NORMAL
 AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	4	5.66	75.8	41	84	0.1	111	164	3.0	2.7	3.3	3.0	.	4.5	3.5
2 RUBY	1	6.79	76.7	40	91	0.4	98	162	5.7	1.0	4.2	2.5	.	1.0	4.0
3 LUCAS;M.9.1	3	6.38	74.5	46	83	0.0	83	160	0.0	2.0	3.5	3.0	.	3.5	5.0
4 FUNDULEA	2	6.52	74.9	36	88	0.0	91	165	0.7	1.7	3.3	4.8	.	1.0	2.5
LOCATIONS		4	4	4	2	2	4	4	1	1	2	1	0	1	1

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

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

YEAR : 92
 MGMT : NORMAL
 AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	.	.	77.0	49	88	.	97	166	.	.	.	.	.	.	.
2 RUBY	.	.	76.9	44	93	.	85	160	.	.	.	.	.	.	.
3 LUCAS;M.9.1	.	.	76.4	53	93	.	74	161	.	.	.	.	.	.	.
4 FUNDULEA	.	.	78.2	43	94	.	81	163	.	.	.	.	.	.	.
LOCATIONS	0	2	2	1	0	2	1	0	0	0	0	0	0	0	0

YEAR : 92
 MGMT : NORMAL
 AREA(S): 1- 3

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	4	5.47	76.0	44	83	0.9	106	163	3.0	2.7	3.3	3.0	.	4.5	3.5
2 RUBY	1	6.83	77.0	42	91	0.8	94	160	5.7	1.0	4.2	2.5	.	1.0	4.0
3 LUCAS;M.9.1	3	6.34	75.5	49	84	1.2	81	159	0.0	2.0	3.5	3.0	.	3.5	5.0
4 FUNDULEA	2	6.67	76.3	39	89	0.0	87	163	0.7	1.7	3.3	4.8	.	1.0	2.5
LOCATIONS	6	7	7	5	4	8	7	1	1	2	1	0	1	1	1

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

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

LOCATION - WOODSLEE
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	4	4.58	.	.	64	3.2	108	159	.	.	.	.	.	.	.
2 RUBY	2	6.93	.	.	84	1.5	89	156	.	.	.	.	.	.	.
3 LUCAS;M.9.1	3	6.22	.	.	66	3.7	83	156	.	.	.	.	.	.	.
4 FUNDULEA	1	7.51	.	.	82	0.0	85	159	.	.	.	.	.	.	.
MEANS		6.31	.	.	74	2.1	91	158	.	.	.	.	.	.	.

LOCATION - RIDGETOWN
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	MAT *
	RK	T/HA													
1 KARAT	4	5.60	74.4	46	95	0.0	105	160	.	.	.	.	.	.	202
2 RUBY	1	6.88	78.0	43	95	1.0	101	158	.	.	.	.	.	.	197
3 LUCAS;M.9.1	3	6.29	77.6	52	94	1.0	86	155	.	.	.	.	.	.	199
4 FUNDULEA	2	6.42	78.2	42	95	0.0	88	160	.	.	.	.	.	.	200
MEANS		6.30	77.1	46	95	0.5	95	158	.	.	.	.	.	.	200

LOCATION - NAIRN
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	MAT *	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	4	5.41	78.8	41	.	0.2	118	159	.	.	.	.	204	4.5	3.5
2 RUBY	1	6.25	78.9	40	.	0.8	98	158	.	.	.	.	202	1.0	4.0
3 LUCAS;M.9.1	3	5.57	78.0	51	.	0.0	90	156	.	.	.	.	203	3.5	5.0
4 FUNDULEA	2	5.99	78.5	38	.	0.0	94	160	.	.	.	.	203	1.0	2.5
MEANS		5.80	78.6	43	.	0.3	100	158	.	.	.	.	203	2.5	3.8

LOCATION - WOODSTOCK
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	SUR %	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SSM 0-9	BYD 0-9
	RK	T/HA													
1 KARAT	4	6.81	79.8	44	.	.	117	162	3.0	.	.	.	.	.	.
2 RUBY	3	7.10	77.3	38	.	.	113	159	5.7	.	.	.	.	.	.
3 LUCAS;M.9.1	1	8.86	77.3	43	.	.	88	157	0.0	.	.	.	.	.	.
4 FUNDULEA	2	7.98	78.6	35	.	.	103	163	0.7	.	.	.	.	.	.
MEANS		7.69	78.3	40	.	.	105	160	2.3	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; FALL RED WHEAT 1992

LOCATION - ELORA
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	SUR	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SSM	MAT
	RK	T/HA	K/HL	MG	%	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	*
1 KARAT	4	6.80	73.0	34	80	.	115	167	.	2.7	3.0	.	.	.	212
2 RUBY	1	8.59	77.3	39	87	.	103	165	.	1.0	3.3	.	.	.	209
3 LUCAS;M.9.1	3	7.00	71.7	37	77	.	82	163	.	2.0	3.3	.	.	.	209
4 FUNDULEA	2	7.77	68.0	27	83	.	90	166	.	1.7	4.0	.	.	.	209
MEANS		7.54	72.5	34	82	.	98	165	.	1.8	3.4	.	.	.	210

LOCATION - HARRISTON
MANAGEMENT - NORMAL

KEY 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	0-9
1 KARAT	4	3.61	71.7	43	88	.	95	168	.	.	3.5	3.0	.	.	.
2 RUBY	1	5.23	73.3	44	95	.	78	166	.	.	5.0	2.5	.	.	.
3 LUCAS;M.9.1	3	4.08	70.9	51	89	.	70	164	.	.	3.8	3.0	.	.	.
4 FUNDULEA	2	4.35	74.6	43	93	.	75	169	.	.	2.5	4.8	.	.	.
MEANS		4.32	72.6	45	91	.	80	167	.	.	3.7	3.3	.	.	.

LOCATION - BEACHBURG
MANAGEMENT - NORMAL

KEY 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	0-9
1 KARAT	.	.	77.1	49	88	.	98	.	.	.	.	.	.	.	.
2 RUBY	.	.	76.5	43	93	.	82	.	.	.	.	.	.	.	.
3 LUCAS;M.9.1	.	.	75.9	50	93	.	77	.	.	.	.	.	.	.	.
4 FUNDULEA	.	.	77.8	42	94	.	81	.	.	.	.	.	.	.	.
MEANS		.	76.8	46	92	.	85	.	.	.	.	.	.	.	.

LOCATION - OTTAWA-1
MANAGEMENT - NORMAL

KEY 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	0-9
1 KARAT	.	.	76.9	48	.	.	95	166	.	.	.	.	.	.	.
2 RUBY	.	.	77.4	45	.	.	88	160	.	.	.	.	.	.	.
3 LUCAS;M.9.1	.	.	77.0	56	.	.	70	161	.	.	.	.	.	.	.
4 FUNDULEA	.	.	78.5	44	.	.	80	163	.	.	.	.	.	.	.
MEANS		.	77.5	48	.	.	83	162	.	.	.	.	.	.	.

* DAYS FROM JAN.1

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; SPRING WHEAT 1992

INDEX

DESCRIPTION OF VARIETIES
 5 YEAR INDIVIDUAL TRAIT SUMMARIES
 5 YEAR OVERALL SUMMARIES
 1 YEAR INDIVIDUAL TRAIT SUMMARIES
 1 YEAR OVERALL SUMMARIES
 INDIVIDUAL TRIAL SUMMARIES

LEGEND

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

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

LOCATIONS ABBREVIATIONS

EA	ELORA
EO	EMO
HN	HARRISTON
LL	LISTOWEL
NL	NEW LISKEARD
NN	NAIRN
O1	OTTAWA-1
RR	RAINY RIVER
WP	WINTHROP

ONTARIO REGIONAL TRIALS; SPRING WHEAT 1992

DESCRIPTION OF REGISTERED VARIETIES

CELTIC, (NAHS81-55):

ANGUS/LEN. DEVELOPED BY AGRIPRO COLORADO, AND MARKETED BY W.G. THOMPSON & SONS LTD. A HIGH YIELDING VARIETY WITH GOOD TEST WEIGHT AND HIGH THOUSAND KERNEL WEIGHT. RESISTANT TO LEAF RUST WITH MODERATE SEPTORIA RESISTANCE. SUSCEPTIBLE TO POWDERY MILDEW, GLUME BLOTCH AND HEAD BLIGHT. A SHORT, STRONG STRAWED CULTIVAR WITH GOOD FLOUR YIELD AND ASH CONTENT. FLOUR PROTEIN IS 3/4% LESS THAN KATEPWA. HAS A THREE YEAR INTERIM REGISTRATION.

NORSEMAN, (HS78-1139):

PEDIGREE UNKNOWN. DEVELOPED BY AGRIPRO COLORADO, AND MARKETED BY W.G. THOMPSON & SONS LTD. A HIGH YIELDING, SEMI-DWARF VARIETY WITH VERY STRONG STRAW. GOOD LEAF RUST RESISTANCE AND MODERATE RESISTANCE TO POWDERY MILDEW. SUSCEPTIBLE TO OTHER PREVALENT DISEASES. HAS A THREE YEAR INTERIM REGISTRATION.

ROBLIN:

RL4302/RL4356//RL4359/RL4353. DEVELOPED AT AGRICULTURE CANADA, WINNIPEG. A VERY EARLY, HIGH YIELDING CULTIVAR WITH GOOD RUST RESISTANCE. HIGH FLOUR YIELD AND FLOUR PROTEIN. SUSCEPTIBLE TO BYDV.

AC REED, SWS:087:

POTOM303/DIRKWIN//KENYA321/FIELDWIN. DEVELOPED AT AGRICULTURE CANADA, LETHBRIDGE, ALBERTA. A HIGH YIELDING, SOFT WHITE SPRING CULTIVAR. A SEMI DWARF VARIETY WITH VERY STRONG STRAWED. SUSCEPTIBLE TO MILDEW AND SEPTORIA. INTERIMLY REGISTERED FOR SALE IN WESTERN CANADA.

ONTARIO REGIONAL TRIALS; SPRING RED WHEAT 1992

TRAIT : YIELD
 YEAR(S): 88-92
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	NN88N	EA88N	LL88N	HN88N	NN89N	EA89N	LL89N	HN89N	NN90N	EA90N
3 CELTIC	2.44	2.38	3.63	2.45	2.28	3.84	3.93	3.73	2.66	3.21
4 NORSEMAN	2.51	2.09	3.76	2.39	2.73	3.78	4.06	4.60	2.75	3.72
5 ROBLIN	2.05	1.73	3.65	1.83	2.15	3.34	3.52	4.13	2.64	3.81
LOCATION MEAN	2.33	2.07	3.68	2.22	2.39	3.65	3.84	4.15	2.68	3.58

KEY NAME	HN90N	NN91N	EA91N	HN91N	WP92N	EA92N	HN92N	MEAN
3 CELTIC	3.78	1.96	4.53	3.12	2.90	4.32	2.88	3.18
4 NORSEMAN	4.32	2.10	4.69	3.30	3.20	4.12	3.18	3.37
5 ROBLIN	4.29	1.70	3.68	3.91	3.44	4.28	4.11	3.19
LOCATION MEAN	4.13	1.92	4.30	3.44	3.18	4.24	3.39	3.25

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	NN88N	EA88N	LL88N	HN88N	EA89N	NN89N	LL89N	HN89N	EA90N	NN90N
1 CELTIC	105	115	99	110	105	96	102	90	90	99
2 NORSEMAN	108	101	102	107	103	114	106	111	104	102
3 ROBLIN	88	84	99	82	91	90	92	99	106	98
LOCATION MEAN	2.33	2.07	3.68	2.22	3.65	2.39	3.84	4.15	3.58	2.68

KEY NAME	HN90N	EA91N	NN91N	HN91N	WP92N	EA92N	HN92N	MEAN*
1 CELTIC	92	105	102	91	91	102	85	99
2 NORSEMAN	105	109	109	96	101	97	94	104
3 ROBLIN	104	86	89	114	108	101	121	97
LOCATION MEAN	4.13	4.30	1.92	3.44	3.18	4.24	3.39	3.25

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; SPRING RED WHEAT 1992

TRAIT : YIELD
 YEAR(S): 88-92
 AREA : 3

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	O188N	O189N	O190N	O191N	O192N	MEAN
1 CELTIC	2.31	3.43	4.30	1.61	3.71	3.07
2 NORSEMAN	2.02	3.42	4.25	1.36	3.40	2.89
3 ROBLIN	1.84	3.31	3.86	1.70	3.60	2.86
LOCATION MEAN	2.06	3.39	4.14	1.56	3.57	2.94

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	O188N	O189N	O190N	O191N	O192N	MEAN*
1 CELTIC	112	101	104	103	104	105
2 NORSEMAN	98	101	103	87	95	97
3 ROBLIN	89	98	93	109	101	98
LOCATION MEAN	2.06	3.39	4.14	1.56	3.57	2.94

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; SPRING RED WHEAT 1992

TRAIT : YIELD
 YEAR(S) : 90-92
 AREA : 5

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	NL90N	RR90N	NL91N	NL92N	EO92N	MEAN
1 CELTIC	2.64	3.67	4.87	6.06	5.40	4.53
2 NORSEMAN	3.45	3.51	5.24	5.71	4.91	4.56
3 ROBLIN	3.62	3.10	4.21	6.42	4.68	4.41
LOCATION MEAN	3.24	3.43	4.77	6.06	5.00	4.50

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	NL90N	RR90N	NL91N	NL92N	EO92N	MEAN*
1 CELTIC	82	107	102	100	108	100
2 NORSEMAN	107	102	110	94	98	102
3 ROBLIN	112	90	88	106	94	98
LOCATION MEAN	3.24	3.43	4.77	6.06	5.00	4.50

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD
 YEAR(S) : 88-92
 MGMT : NORMAL

KEY NAME	AREA 2 (17)*	AREA 3 (5)	AREA 5 (5)**	PROV. (27)***
1 CELTIC	3.18	3.07	4.53	3.41
2 NORSEMAN	3.37	2.89	4.56	3.50
3 ROBLIN	3.19	2.86	4.41	3.36
OVERALL MEAN	3.25	2.94	4.50	3.42

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA 2 (17)*	AREA 3 (5)	AREA 5 (5)**	PROV. (27)***
1 CELTIC	98.7	105.0	99.7	100.1
2 NORSEMAN	104.1	96.9	102.2	102.4
3 ROBLIN	97.2	98.1	98.0	97.5
OVERALL MEAN	3.25	2.94	4.50	3.42

- * # OF LOCATIONS
 ** AREA 5 CALCULATIONS ARE BASED ON DATA FROM 1990-1992.
 *** WEIGHTED AVERAGE

ONTARIO REGIONAL TRIALS; SPRING RED WHEAT 1992

YEAR(S): 88-92
 MGMT : NORMAL
 AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA												
1 CELTIC	3	3.18	72.7	33	2.0	81	55	4.5	1.5	2.9	4.7	4.3	.	4.3
2 NORSEMAN	1	3.37	70.9	32	0.6	73	58	3.2	1.1	3.7	4.7	4.3	.	4.9
3 ROBLIN	2	3.19	72.5	34	1.7	87	51	4.0	1.6	3.4	3.7	3.3	.	5.7
LOCATIONS	17	17	17	5	16	18	11	10	6	3	1	0	2	

YIELD AVERAGES WERE BASED ON DATA FROM:
 1988: NAIRN, ELORA, HARRISTON, LISTOWEL.
 1989: NAIRN, ELORA, HARRISTON, LISTOWEL.
 1990: NAIRN, ELORA, HARRISTON.
 1991: NAIRN, ELORA, HARRISTON.
 1992: WINTHROP, ELORA, HARRISTON.

YEAR(S): 88-92
 MGMT : NORMAL
 AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA												
1 CELTIC	1	3.07	76.6	37	0.0	73	51	.	.	.	.	.	.	.
2 NORSEMAN	2	2.89	72.3	31	0.0	60	53	.	.	.	.	.	.	.
3 ROBLIN	3	2.86	74.5	33	0.5	73	48	.	.	.	.	.	.	.
LOCATIONS	5	5	4	1	5	3	0	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:
 1988: OTTAWA-1.
 1989: OTTAWA-1.
 1990: OTTAWA-1.
 1991: OTTAWA-1.
 1992: OTTAWA-1.

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

ONTARIO REGIONAL TRIALS; SPRING RED WHEAT 1992

YEAR(S): 90-92
 MGMT : NORMAL
 AREA : 5

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 CELTIC	2	4.53	72.3	34	1.4	84	55	.	.	.	.	.	.	.
2 NORSEMAN	1	4.56	69.1	33	1.3	75	56	.	.	.	.	.	.	.
3 ROBLIN	3	4.41	70.9	35	1.6	94	52	.	.	.	.	.	.	.
LOCATIONS		5	6	6	3	6	5	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM:
 1990: NEW LISKEARD, RAINY RIVER.
 1991: NEW LISKEARD.
 1992: NEW LISKEARD, EMO.

YEAR(S): 88-92
 MGMT : NORMAL
 AREA(S): 2- 5

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 CELTIC	2	3.41	73.3	34	1.6	80	55	4.5	1.5	2.9	4.7	4.3	.	4.3
2 NORSEMAN	1	3.50	70.8	32	0.7	71	57	3.2	1.1	3.7	4.7	4.3	.	4.9
3 ROBLIN	3	3.36	72.5	34	1.5	86	51	4.0	1.6	3.4	3.7	3.3	.	5.7
LOCATIONS		27	28	27	9	27	26	11	10	6	3	1	0	2

YIELD AVERAGES WERE BASED ON DATA FROM:
 1988: NAIRN, ELORA, HARRISTON, LISTOWEL, OTTAWA-1.
 1989: NAIRN, ELORA, HARRISTON, LISTOWEL, OTTAWA-1
 1990: NAIRN, ELORA, HARRISTON, OTTAWA-1, NEW LISKEARD, RAINY RIVER.
 1991: NAIRN, ELORA, HARRISTON, OTTAWA-1, NEW LISKEARD.
 1992: WINTHROP, ELORA, HARRISTON, OTTAWA-1, NEW LISKEARD, EMO.

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

ONTARIO REGIONAL TRIALS; SPRING WHEAT 1992

TRAIT : YIELD
 YEAR : 92
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WP92N	EA92N	HN92N	MEAN
1 CELTIC	2.90	4.32	2.88	3.37
2 NORSEMAN	3.20	4.12	3.18	3.50
3 ROBLIN	3.44	4.28	4.11	3.94
+ 4 AC REED	2.93	5.14	3.53	3.87
LOCATION MEAN	3.12	4.47	3.42	3.67

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	WP92N	EA92N	HN92N	MEAN*
1 CELTIC	93	97	84	91
2 NORSEMAN	103	92	93	96
3 ROBLIN	110	96	120	109
+ 4 AC REED	94	115	103	104
LOCATION MEAN	3.12	4.47	3.42	3.67

TRAIT : YIELD
 YEAR : 92
 AREA : 3

KEY NAME	O192N	MEAN
1 CELTIC	3.71	3.71
2 NORSEMAN	3.40	3.40
3 ROBLIN	3.60	3.60
+ 4 AC REED	4.51	4.51
LOCATION MEAN	3.81	3.81

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	O192N	MEAN*
1 CELTIC	98	98
2 NORSEMAN	89	89
3 ROBLIN	95	95
+ 4 AC REED	119	119
LOCATION MEAN	3.81	3.81

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS
 + NOT REGISTERED FOR SALE IN ONTARIO

ONTARIO REGIONAL TRIALS; SPRING WHEAT 1992

TRAIT : YIELD
 YEAR : 92
 AREA : 5

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	NL92N	EO92N	MEAN
1 CELTIC	6.06	5.40	5.73
2 NORSEMAN	5.71	4.91	5.31
3 ROBLIN	6.42	4.68	5.55
+ 4 AC REED	6.56	5.42	5.99
LOCATION MEAN	6.19	5.10	5.64

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	NL92N	EO92N	MEAN*
1 CELTIC	98	106	102
2 NORSEMAN	92	96	94
3 ROBLIN	104	92	98
+ 4 AC REED	106	106	106
LOCATION MEAN	6.19	5.10	5.64

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS
 + NOT REGISTERED FOR SALE IN ONTARIO

ONTARIO REGIONAL TRIALS; SPRING WHEAT 1992

YEAR : 92
MGMT : NORMAL

AREA : 2

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA												
1 CELTIC	4	3.37	72.4	33	2.4	89	54	5.2	.	3.5	.	4.3	.	.
2 NORSEMAN	3	3.50	70.3	33	0.3	83	56	3.6	.	8.3	.	4.3	.	.
3 ROBLIN	1	3.94	73.8	37	1.6	103	50	5.4	.	6.3	.	3.3	.	.
+ 4 AC REED	2	3.87	69.2	32	0.5	85	54	6.5	.	7.3	.	3.3	.	.
LOCATIONS		3	3	3	2	3	3	2	0	1	0	1	0	0

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

AREA : 3

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA												
1 CELTIC	2	3.71	82.6	44	.	80	52	.	.	.	.	.	.	.
2 NORSEMAN	4	3.40	74.8	36	.	68	54	.	.	.	.	.	.	.
3 ROBLIN	3	3.60	79.5	39	.	78	47	.	.	.	.	.	.	.
+ 4 AC REED	1	4.51	76.9	42	.	73	52	.	.	.	.	.	.	.
LOCATIONS		1	1	1	0	1	1	0	0	0	0	0	0	0

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

AREA : 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA												
1 CELTIC	2	5.73	74.4	40	1.6	89	57	.	.	.	.	.	.	.
2 NORSEMAN	4	5.31	70.6	36	1.4	81	59	.	.	.	.	.	.	.
3 ROBLIN	3	5.55	71.7	39	1.9	99	54	.	.	.	.	.	.	.
+ 4 AC REED	1	5.99	68.4	35	0.9	81	57	.	.	.	.	.	.	.
LOCATIONS		2	2	2	2	2	2	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM: NEW LISKEARD, EMO.

AREA(S): 2- 5

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
	RK	T/HA												
1 CELTIC	3	4.21	74.8	37	2.0	87	55	5.2	.	3.5	.	4.3	.	.
2 NORSEMAN	4	4.09	71.1	34	0.8	80	57	3.6	.	8.3	.	4.3	.	.
3 ROBLIN	2	4.42	74.0	38	1.8	97	51	5.4	.	6.3	.	3.3	.	.
+ 4 AC REED	1	4.68	70.2	35	0.7	82	55	6.5	.	7.3	.	3.3	.	.
LOCATIONS		6	6	6	4	6	6	2	0	1	0	1	0	0

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

+ NOT REGISTERED FOR SALE IN ONTARIO

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; SPRING WHEAT 1992

LOCATION - WINTHROP
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 CELTIC	4	2.90	75.9	32	3.8	91	54	6.3	.	3.5	.	.	.	.
2 NORSEMAN	2	3.20	74.2	34	0.5	86	57	4.8	.	8.3	.	.	.	.
3 ROBLIN	1	3.44	75.8	37	1.5	107	51	7.0	.	6.3	.	.	.	.
+ 4 AC REED	3	2.93	70.1	28	0.0	84	55	8.5	.	7.3	.	.	.	.
MEANS		3.12	74.0	33	1.5	92	54	6.7	.	6.4	.	.	.	.

LOCATION - ELORA
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 CELTIC	2	4.32	75.4	38	1.0	92	55	.	.	.	.	4.3	.	.
2 NORSEMAN	4	4.12	72.3	38	0.0	85	57	.	.	.	.	4.3	.	.
3 ROBLIN	3	4.28	74.8	40	1.7	108	50	.	.	.	.	3.3	.	.
+ 4 AC REED	1	5.14	71.7	39	1.0	92	55	.	.	.	.	3.3	.	.
MEANS		4.46	73.6	39	0.9	94	54	.	.	.	.	3.8	.	.

LOCATION - HARRISTON
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 CELTIC	4	2.88	65.8	30	.	83	54	4.0	.	.	.	.	.	.
2 NORSEMAN	3	3.18	64.3	26	.	78	55	2.3	.	.	.	.	.	.
3 ROBLIN	1	4.11	70.8	33	.	93	49	3.8	.	.	.	.	.	.
+ 4 AC REED	2	3.53	65.7	29	.	80	53	4.5	.	.	.	.	.	.
MEANS		3.42	66.7	30	.	84	53	3.7	.	.	.	.	.	.

+ NOT REGISTERED FOR SALE IN ONTARIO

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; SPRING WHEAT 1992

LOCATION - OTTAWA-1
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
	RK	T/HA												
1 CELTIC	2	3.71	82.6	44	.	80	52	.	.	.	.	.	.	101
2 NORSEMAN	4	3.40	74.8	36	.	68	54	.	.	.	.	.	.	103
3 ROBLIN	3	3.60	79.5	39	.	78	47	.	.	.	.	.	.	101
+ 4 AC REED	1	4.51	76.9	42	.	73	52	.	.	.	.	.	.	104
MEANS		3.81	78.5	40	.	75	51	.	.	.	.	.	.	102

LOCATION - NEW LISKEARD
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
	RK	T/HA												
1 CELTIC	3	6.06	74.8	42	2.0	87	59	.	.	.	.	.	.	124
2 NORSEMAN	4	5.71	71.1	36	1.0	79	61	.	.	.	.	.	.	124
3 ROBLIN	2	6.42	72.3	41	2.0	95	55	.	.	.	.	.	.	123
+ 4 AC REED	1	6.56	69.8	36	1.0	78	58	.	.	.	.	.	.	126
MEANS		6.19	72.0	39	1.5	85	58	.	.	.	.	.	.	124

LOCATION - EMO
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
	RK	T/HA												
1 CELTIC	2	5.40	74.0	37	1.3	90	54	.	.	.	.	.	.	109
2 NORSEMAN	3	4.91	70.0	35	1.8	82	56	.	.	.	.	.	.	112
3 ROBLIN	4	4.68	71.0	36	1.8	102	53	.	.	.	.	.	.	109
+ 4 AC REED	1	5.42	67.0	33	0.8	84	56	.	.	.	.	.	.	110
MEANS		5.10	70.5	35	1.4	90	55	.	.	.	.	.	.	110

+ NOT REGISTERED FOR SALE IN ONTARIO

* DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; SPRING DURUM WHEAT 1992

INDEX

DESCRIPTION OF ENTRIES
 6 YEAR INDIVIDUAL TRAIT SUMMARIES
 6 YEAR OVERALL SUMMARY
 1 YEAR INDIVIDUAL TRAIT SUMMARIES
 1 YEAR OVERALL SUMMARY
 INDIVIDUAL TRIAL SUMMARIES

LEGEND

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

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

LOCATIONS ABBREVIATIONS

EA	ELORA
EO	EMO
HN	HARRISTON
NL	NEW LISKEARD
NN	NAIRN
O1	OTTAWA-1
WP	WINTHROP

DESCRIPTION OF REGISTERED VARIETIES

MEDORA:

WARD/MACOUN. DEVELOPED AT THE AGRICULTURE CANADA RESEARCH STATION, WINNIPEG. RESISTANT TO LEAF RUST. HIGHER TEST WEIGHT AND SLIGHTLY HIGHER PROTEIN THAN EDMORE.

EDMORE:

D6530/D65114. DEVELOPED AT NORTH DAKOTA STATE UNIVERSITY AND MARKETED BY W.G. THOMPSON & SONS LTD. SLIGHTLY HIGHER YIELD THAN MEDORA AND HIGHER THOUSAND KERNEL WEIGHT. HAS A THREE YEAR INTERIM REGISTRATION FOR ONTARIO.

ONTARIO REGIONAL TRIALS; SPRING DURUM WHEAT 1992

TRAIT : YIELD
 YEAR(S) : 87-92
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	EA87N	NN88N	EA88N	HN88N	NN89N	EA89N	HN89N	NN90N	EA90N	HN90N
1 MEDORA	2.84	3.04	2.33	2.26	3.01	4.13	2.24	2.97	4.12	3.45
2 EDMORE	3.26	2.63	2.14	2.28	2.72	4.92	2.71	2.95	3.99	4.38
LOCATION MEAN	3.05	2.84	2.24	2.27	2.87	4.53	2.47	2.96	4.05	3.91

KEY NAME	EA91N	HN91N	WP92N	EA92N	HN92N	MEAN
1 MEDORA	4.16	3.18	2.08	3.97	3.44	3.15
2 EDMORE	3.56	3.26	2.90	3.84	3.87	3.29
LOCATION MEAN	3.86	3.22	2.49	3.90	3.65	3.22

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	EA87N	NN88N	EA88N	HN88N	EA89N	NN89N	HN89N	EA90N	NN90N	HN90N
1 MEDORA	93	107	104	100	91	105	91	102	100	88
2 EDMORE	107	93	96	100	109	95	109	98	100	112
LOCATION MEAN	3.05	2.84	2.24	2.27	4.53	2.87	2.47	4.05	2.96	3.91

KEY NAME	EA91N	HN91N	WP92N	EA92N	HN92N	MEAN**
1 MEDORA	108	99	84	102	94	97.8
2 EDMORE	92	101	116	98	106	102.2
LOCATION MEAN	3.86	3.22	2.49	3.90	3.65	3.22

** MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

YEAR(S) : 87-92
 MGMT : NORMAL
 AREA : 2

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
1 MEDORA	2 3.15	72.7	38	3.3	98	58	3.8	1.0	3.2	.	3.2	.	6.6
2 EDMORE	1 3.29	71.8	43	3.3	99	58	3.9	2.1	3.1	.	2.7	.	4.0
LOCATIONS	15	14	13	5	15	15	12	5	6	0	2	0	2

YIELD AVERAGES WERE BASED ON DATA FROM:

1987: ELORA.
 1988: NAIRN, ELORA, HARRISTON.
 1989: NAIRN, ELORA, HARRISTON.
 1990: NAIRN, ELORA, HARRISTON.
 1991: ELORA, HARRISTON.
 1992: WINTHROP, ELORA, HARRISTON.

ONTARIO REGIONAL TRIALS; SPRING DURUM WHEAT 1992

TRAIT : YIELD
 YEAR : 92
 AREA : 2

ABBREVIATED HEADINGS REPRESENT LOCATION-YEAR-MANAGEMENT COMBINATION

KEY NAME	WP92N	EA92N	HN92N	MEAN
1 MEDORA	2.08	3.97	3.44	3.16
2 EDMORE	2.90	3.84	3.87	3.54
LOCATION MEAN	2.49	3.90	3.65	3.35

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	WP92N	EA92N	HN92N	MEAN*
1 MEDORA	84	102	94	93
2 EDMORE	116	98	106	107
LOCATION MEAN	2.49	3.90	3.65	3.35

TRAIT : YIELD
 YEAR : 92
 AREA : 3

KEY NAME	O192N	MEAN
1 MEDORA	3.55	3.55
2 EDMORE	3.36	3.36
LOCATION MEAN	3.45	3.45

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	O192N	MEAN*
1 MEDORA	103	103
2 EDMORE	97	97
LOCATION MEAN	3.45	3.45

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

ONTARIO REGIONAL TRIALS; SPRING DURUM WHEAT 1992

TRAIT : YIELD
 YEAR : 92
 AREA : 5

KEY NAME	NL92N	EO92N	MEAN
1 MEDORA	6.25	3.52	4.89
2 EDMORE	5.92	3.58	4.75
LOCATION MEAN	6.09	3.55	4.82

DATA EXPRESSED RELATIVE TO LOCATION MEANS

KEY NAME	NL92N	EO92N	MEAN*
1 MEDORA	103	99	101
2 EDMORE	97	101	99
LOCATION MEAN	6.09	3.55	4.82

* MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

TRAIT : YIELD
 YEAR : 92

KEY NAME	AREA 2 (3)**	AREA 3 (1)	AREA 5 (2)	PROVINCE (6)***
1 MEDORA	3.16	3.55	4.89	3.80
2 EDMORE	3.54	3.36	4.75	3.91
OVERALL MEAN	3.35	3.45	4.82	3.86

MEAN OF RELATIVE YIELDS OVER ALL LOCATIONS

KEY NAME	AREA 2 (3)	AREA 3 (1)	AREA 5 (2)	PROVINCE (6)
1 MEDORA	93.1	102.7	100.9	97.3
2 EDMORE	106.9	97.3	99.1	102.7
OVERALL MEAN	3.35	3.45	4.82	3.86

** # OF LOCATIONS
 *** WEIGHTED AVERAGE

ONTARIO REGIONAL TRIALS; SPRING DURUM WHEAT 1992

YEAR : 92
 MGMT : NORMAL
 AREA : 2

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
1 MEDORA	2 3.16	70.2	35	2.9	113	57	4.2	.	3.0	.	4.7	.	.
2 EDMORE	1 3.54	70.9	40	2.5	111	57	3.9	.	4.0	.	4.3	.	.
LOCATIONS	3	3	3	2	3	2	2	0	1	0	1	0	0

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

YEAR : 92
 MGMT : NORMAL
 AREA : 3

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
1 MEDORA	1 3.55	81.7	44	.	80	55	.	.	.	.	.	.	.
2 EDMORE	2 3.36	78.1	44	.	95	55	.	.	.	.	.	.	.
LOCATIONS	1	1	1	0	1	1	0	0	0	0	0	0	0

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

YEAR : 92
 MGMT : NORMAL
 AREA : 5

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
1 MEDORA	1 4.89	71.9	42	3.5	105	58	.	.	.	.	.	.	.
2 EDMORE	2 4.75	69.1	42	3.0	101	61	.	.	.	.	.	.	.
LOCATIONS	2	2	2	2	2	2	0	0	0	0	0	0	0

YIELD AVERAGES WERE BASED ON DATA FROM: EMO, NEW LISKEARD.

YEAR : 92
 MGMT : NORMAL
 AREA(S): 2- 5

KEY NAME	YIELD RK T/HA	TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	BYD 0-9
1 MEDORA	2 3.80	72.7	39	3.2	105	57	4.2	.	3.0	.	4.7	.	.
2 EDMORE	1 3.91	71.5	41	2.8	105	58	3.9	.	4.0	.	4.3	.	.
LOCATIONS	6	6	6	4	6	5	2	0	1	0	1	0	0

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

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

ONTARIO REGIONAL TRIALS; SPRING DURUM WHEAT 1992

LOCATION - WINTHROP
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 MEDORA	2	2.08	70.9	32	2.8	119	.	4.5	.	3.0	.	.	.	.
2 EDMORE	1	2.90	73.6	40	2.0	119	.	4.5	.	4.0	.	.	.	.
MEANS		2.49	72.3	36	2.4	119	.	4.5	.	3.5	.	.	.	.

LOCATION - ELORA
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 MEDORA	1	3.97	74.8	40	3.0	113	57	.	.	.	.	4.7	.	.
2 EDMORE	2	3.84	71.1	44	3.0	117	57	.	.	.	.	4.3	.	.
MEANS		3.90	73.0	42	3.0	115	57	.	.	.	.	4.5	.	.

LOCATION - HARRISTON
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW	KW	LOG	HGT	HDT	MIL	LRS	SEP	GLB	HBL	SRS	BYD
	RK	T/HA	K/HL	MG	0-9	CM	*	0-9	0-9	0-9	0-9	0-9	0-9	0-9
1 MEDORA	2	3.44	65.0	33	.	108	56	3.8	.	.	.	.	.	.
2 EDMORE	1	3.87	67.9	35	.	98	57	3.3	.	.	.	.	.	.
MEANS		3.65	66.5	34	.	103	57	3.5	.	.	.	.	.	.

* 1 DAYS FROM PLANTING

A HIGH SCORE IS UNDESIRABLE IN THE LODGING AND DISEASE RATINGS

ONTARIO REGIONAL TRIALS; SPRING DURUM WHEAT 1992

LOCATION - OTTAWA-1
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
	RK	T/HA												
1 MEDORA	1	3.55	81.7	44	.	80	55	.	.	.	.	.	.	.
2 EDMORE	2	3.36	78.1	44	.	95	55	.	.	.	.	.	.	104
MEANS		3.46	79.9	44	.	88	55	.	.	.	.	.	.	104

LOCATION - NEW LISKEARD
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
	RK	T/HA												
1 MEDORA	1	6.25	74.8	43	2.0	107	59	.	.	.	.	.	.	126
2 EDMORE	2	5.92	71.1	49	3.0	102	61	.	.	.	.	.	.	125
MEANS		6.09	73.0	46	2.5	105	60	.	.	.	.	.	.	126

LOCATION - EMO
MANAGEMENT - NORMAL

KEY NAME	YIELD		TSTW K/HL	KW MG	LOG 0-9	HGT CM	HDT *	MIL 0-9	LRS 0-9	SEP 0-9	GLB 0-9	HBL 0-9	SRS 0-9	MAT *
	RK	T/HA												
1 MEDORA	2	3.52	69.0	40	5.0	102	56	.	.	.	.	.	.	112
2 EDMORE	1	3.58	67.0	35	3.0	100	60	.	.	.	.	.	.	112
MEANS		3.55	68.0	37	4.0	101	58	.	.	.	.	.	.	112

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

CO-OPERATORS AND LOCATIONS OF REGIONAL TESTS, 1992

Testing area	Country or District	Co-operators	Crops					
			Barley	Oats	Winter Barley	Winter Wheat	Spring Wheat	
I	Kent	MH = W.G. Thompson and Sons Ltd., Morpeth, Ont.			X		W	
	Kent I	RN = Ridgetown C.A.T., Ridgetown, Ont.	X	X	X		R+W	
	Lambton	ID = A. Griffith, R.R. #7, Alvinston, Ont. (Ridgetown C.A.T.)	X	X			W	
	Essex	HW = Harrow Research Station, Agriculture Canada					W	
	Essex	WE = Woodslee Soil Substation, Agriculture Canada					R+W	
II	Oxford	WK = Crop Science Department, OAC, Woodstock, Ont.	X	X	X		R+W	S+D
	Huron	WP = W.G. Thompson and Sons Ltd., Winthrop, Ontario	X	X	X		R+W	S+D
	Wellington I	EA = Crop Science Department, OAC, Elora, Ont.					R	S+D
	Wellington	HN = C & M Seed Sales Inc., Pamerston, Ontario					R+W	
	Middlesex I	NN = W.G. Thompson & Sons Ltd., Nairn, Ont.	X	X	X		W	
	Middlesex	LN = G. Vanhie, R.R. #8, London, Ont. (Ridgetown C.A.T.)					W	
	Lennox Addington	BH = L. Seaman, Agriculture Canada, Bath, Ontario					W	
III	Stormont, Dundas & Glengarry	Kemptville C.A.T., Winchester, Ont.	X	X*				R**
	Grenville	KE = Kemptville C.A.T., Kemptville, Ont.	X	X				R**
	Carleton I	01 = Agriculture Canada, P.R.C., Ottawa, Ont.	X	X				R**
	Carleton	02 = Agriculture Canada, P.R.C., Ottawa, Ont.						R**
	Renfrew I	K. Dick, R.R. #1, Douglas, Ont. (Ag. Canada P.R.C.)	X	X				W**
	Renfrew	RW = L. Seaman, Agriculture Canada, Renfrew, Ont.						R
	Renfrew	BG = L. Seaman, Agriculture Canada, Beachburg, Ont.	X	X*				
	Lanark	J. Nanne, Pakenham, Ont. (Ag. Canada P.R.C.)	X	X				
	Prescott & Russell	Alfred College of Agriculture and Food Tech., Alfred, Ont.						
	IV	Wellington I	Crop Science Dept., OAC, Elora, Ont.	X	X*			
Wellington II		C & M Seed Sales Inc., Palmerston, Ont.	X	X				

CO-OPERATORS AND LOCATIONS OF REGIONAL TESTS, 1992 (Continued)

Testing area	Country or District	Co-operators	Crops			
			Barley	Oats	Winter Barley	Winter Wheat
V	Nippissing District Temiskaming Thunder Bay Rainy River District	Verner Test Site (New Liskeard C.A.T.), Verner, Ont. NL = New Liskeard C.A.T., New Liskeard, Ont. Thunder Bay Research Station (New Liskeard C.A.T.) in Thunder Bay, Ont. EO = Emo Research Station, (New Liskeard C.A.T.), Emo, Ont.	X X X X	X X X X*	X X X X	S+D S+D
VI	Cochrane	Agriculture Canada, Exp. Farm, Kapuskasing, Ont.	X		X	X

* Data not used or plots not harvested

Plots did not pass inspection conducted by area coordinators with respect to yield

= Hard Red Winter Wheat grown at this location

= Soft White Winter Wheat grown at this location

= Spring Red Wheat grown at this location

= Spring Durum Wheat grown at this location