

# 2005 REPORT

## Ontario Soybean Variety Trials

for 2002-2004

by the  
Ontario Oil & Protein  
Seed Crop Committee

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CROP COMMITTEE

*Research conducted and reported by*

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## Ontario Oil & Protein Seed Crop Committee (OOPSCC)

This organization is made up of representatives of Agriculture & Agri-Food Canada, the University of Guelph, the Ontario Seed Growers Association, the Canadian Seed Trade Association, the Ontario Soybean Growers, OMAF and the Oilseed Crushers. Tests are conducted each year by AAFC research stations at Ottawa and Harrow and the University of Guelph and its regional Colleges at Kemptville and Ridgetown. Information in this brochure as well as additional variety information can be found on the web at [www.oopsc.org](http://www.oopsc.org).

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## INTERPRETATION OF TABLE 1

### Notes:

Varieties with resistance genes for races of the Phytophthora root rot organism in Ontario:

**1a,1c,1k, 6:** Resistance genes for Phytophthora root rot in Ontario which provide resistance to the pathogen. Rps 1a does not provide protection to most races of the pathogen in Ontario

**SCN:** Resistant to some races of Soybean Cyst Nematode (SCN) in Ontario.

**HP:** Varieties with above average protein index (%). See Protein & Oil Index section below.

### Herbicide Reaction

**RR:** Roundup Ready™ (Trademark of Monsanto Company)

**STS:** Sulfonylurea Tolerant Soybean to Reliance (STS & Reliance are trademarks of E.I. duPont de Nemours & Co.)

Varieties have not been evaluated for metribuzin tolerance by OOPSCC. For further information contact seed distributor. The following variety has been reported to OOPSCC as being metribuzin sensitive: 90B73.

### Heat Unit Grouping

Using the same crop heat unit system as for corn, each variety is given a heat unit rating based on the relative maturity of that variety in the most recent 2 years of test results. The varieties are placed into groups of 50 heat units. The varieties are sorted in early to late order within the 50 heat unit group. In choosing a variety you should select those varieties approximately equal to or less than the heat units available on your farm.

### Hilum Colour

Each soybean seed has a hilum which is the point where it was attached to the pod. Varieties differ in hilum colour and can be either Yellow (Y), Imperfect Yellow (IY), Gray (GR), Buff (BF), Brown (BR), Black (BL), or Imperfect Black (IBL). Hilum colour may also be Light (L). Yellow hilum soybeans are usually the only type accepted for the export market. In certain years discolouration of the hilum of IY varieties can occur and as a result the soybeans may not be acceptable for export markets.

### Seeds per Kilogram

This is an estimate of the relative number of seeds of a particular variety in a kilogram of seed based on a 1-2 years of data from all locations where a variety was tested. Since seed size can vary from year to year and from seed lot to seed lot these figures should be used as a rough guide only. The actual seed size reported on each seed lot should be used to calculate seeding rate.

### Phytophthora Root Rot % Plant Loss

Three year average in a field heavily infested with Phytophthora. Not all races of Phytophthora root rot are found at these sites. The relative ranking of varieties for plant loss may differ in fields that have other races present. Ratings for some varieties are not available due to a lack of disease pressure in 2004.

### Disease Testing Information

Phytophthora root rot testing is carried out on clay soils infested with common races of Phytophthora at Woodslee and Ottawa. SCN tests are done in collaboration with variety sponsors and the SCN Resistant Variety Development project at GPCRC, Agriculture & Agri-Food Canada, Harrow, Ontario. For further information contact [soyinfo@oopsc.org](mailto:soyinfo@oopsc.org). White Mold variety ratings are available for several heat unit areas on the web at [www.oopsc.org](http://www.oopsc.org).

### Protein & Oil Index

Protein Index (%) and Oil (%) is obtainable on the web at [www.oopsc.org](http://www.oopsc.org).

**Table 1. Soybean Variety Performance List and Descriptions**

Variety	Notes	Herbicide Reaction	Heat	Hilum Colour	Seeds per Kg	Phytophthora		Seed Supply	Distributor
			Unit Grouping			Root	Rot % Plant loss**		
230RR		RR	2400	DBR	6600	na		LS	Advantage Seed Grow&Proc
PS 26 RR		RR		BR	6800	na			Pride Seeds
PS 24			2450	IY	4700	na			Pride Seeds
S00-J4	1c	RR		IY	6900	7*			Syngenta Seeds Canada Inc
90A07				Y	6000	7*			Pioneer Hi-Bred Ltd.
Carina			2500	IY	6100	10*			La Coop Fédérée
Emerson				BR	6600	7*			Hyland Seeds
OlexRR		RR		BR	5600	7*			La Coop Fédérée
PRO 25-53				IY	5200	17*			PRO Seeds of Canada
Primo RR		RR		BL	6100	6*			PRO Seeds of Canada
PS 36				Y	5200	9*			Pride Seeds
S00-F8		RR		GR	4900	na			Syngenta Seeds Canada Inc
25-02R	1a6	RR		BL	6300	5*			First Line
25-04R		RR		BR	5500	na			First Line
5B008RR	1k	RR		BR	6900	na			Dow AgroSciences Canada Ltd
Gentry				BR	6300	7*		LS	Hyland Seeds
Darcy			2550	BR	5800	8*		LS	Hyland Seeds
DKB00-99	1a	RR		BR	6000	7*			DEKALB
Lotus	HP			IY	5400	13*			PRO Seeds of Canada
OAC Atwood				Y	5900	10*			Advantage Seed Grow&Proc
OAC Clinton				IY	5700	9*			PRO Seeds of Canada
RR Regency		RR		GR	5700	10*			Hyland Seeds
Supra	1c			BR	5300	15*			Advantage Seed Grow&Proc
25-03R	1k	RR		BL	5600	10*			First Line
90M20	1k	RR		IY	5700	na			Pioneer Hi-Bred Ltd.
PS 35 RR		RR		BR	4900	na			Pride Seeds
AC Glengarry			2600	IY	5800	3*		LS	SeCan Association
ADV Accrue				BR	5600	3*			Advantage Seed Grow&Proc
Banco RR		RR		BR	6100	7*			Advantage Seed Grow&Proc
PS 46 RR		RR		BL	5000	6*			Pride Seeds
S02-M9	1c	RR		IY	5100	na			Syngenta Seeds Canada Inc
90B11		RR		BR	6500	14*			Pioneer Hi-Bred Ltd.
90M60	1c	RR		BR	4900	na			Pioneer Hi-Bred Ltd.
Arctic	1a6	RR		Y	6500	5*			First Line
26-02R	1k	RR		BL	5600	9*			First Line
ADV Gem			2650	Y	6000	na		LS	Advantage Seed Grow&Proc
ADV Windfall				IY	4800	4*			Advantage Seed Grow&Proc
LynxRR		RR		BR	6000	7*			La Coop Fédérée
Merlo RR	1c	RR		GR	5700	5*			PRO Seeds of Canada
OAC Bayfield				BR	5200	8			SeCan Association
OAC Champion				IY	5000	9*			PRO Seeds of Canada
PRO 2690R		RR		BR	4800	na			PRO Seeds of Canada
S03-W4	1c			IY	5200	5*			Syngenta Seeds Canada Inc
S04-Z9	1c	RR		GR	5100	na			Syngenta Seeds Canada Inc
Venus	HP			IY	4700	5*			PRO Seeds of Canada
Auriga			2700	Y	5500	7*			La Coop Fédérée
Casino				Y	6700	2*			Hyland Seeds
CF0703	1c			IY	4900	na			Country Farm Seeds Ltd.
Delta	1c			IY	5100	8*			Advantage Seed Grow&Proc
DKB06-52	1k	RR		BL	5400	12*			DEKALB
OAC Raptor		RR		BR	5400	6*		LS	SeCan Association
OAC Rockwood		RR		BR	5700	10*			Secan Assn./Belcan Seeds
PRO 275				IY	5300	4*			PRO Seeds of Canada
RR Rodger		RR		BF	5300	na			Hyland Seeds
2702R		RR		BL	5600	12*			First Line
5B060RR	1k	RR		Y	6800	9*			Dow AgroSciences Canada Ltd
90B73		RR		BR	5400	10			Pioneer Hi-Bred Ltd.
9071	1c			Y	6400	7*			Pioneer Hi-Bred Ltd.
ADV Heartbeat			2750	Y	5600	6			Advantage Seed Grow&Proc
ADV Rave RR		RR		BL	6100	9*			Advantage Seed Grow&Proc

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\*\*Phytophthora % Plant Loss na=less than 2 years of data available, \* only 2 years of data available.

**Notes:**

HP - High Protein  
SCN - SCN resistant

**Herbicide Reaction**

RR - Roundup Ready  
STS - Sulfonylurea Tolerant

**Seed Supply**

LS - Limited Supply  
NA - Not Available

Table 1. Continued

Variety	Notes	Herbicide Reaction	Heat	Hilum Colour	Seeds per Kg	Phytophthora	Seed Supply	Distributor
			Unit Grouping			Root Rot % Plant loss**		
ADV Renegade RR		RR	2750	BR	5400	11*		Advantage Seed Grow&Proc
ADV Resolve RR		RR		BR	5600	15*		Advantage Seed Grow&Proc
Athens	HP			BL	4900	5*		Advantage Seed Grow&Proc
Dundas				LBR	5600	9		SeCan Association
Enterprise				IY	5400	7*		Hyland Seeds
Jutra				IY	4800	7		PRO Seeds of Canada
Monarch				BR	5200	7*		PRO Seeds of Canada
OAC Oxford				IY	5200	12		SeCan Association
OAC Wallace				BR	5500	6		SeCan Association
PS 56 RR		RR		BR	6300	12*		Pride Seeds
PS 59				BR	5600	11		Pride Seeds
RR Razor		RR		BR	5500	3		Hyland Seeds
Turbo				IY	5000	8*		Mike Snobelen Farms Ltd
ADV Rascal RR		RR		BL	4900	13*		Advantage Seed Grow&Proc
OctaneRR		RR		BL	6000	na		La Coop Fédérée
27-06R	1k	RR		GR	5700	na		First Line
Buster			2800	BR	5200	na		Agrocentre Belcan
HL35				BL	4800	13		Hyland Seeds
Majesta				IY	5100	6		Prograin
OAC Quinte				IY	5800	6	LS	Advantage Seed Grow&Proc
PRO 2790R		RR		BR	5300	7*		PRO Seeds of Canada
PRO 28-53				IY	5200	4		PRO Seeds of Canada
PRO 29-65				BR	4800	10		PRO Seeds of Canada
S 08-80	1c			IY	5000	5		Syngenta Seeds Canada Inc
S10-T1	1k	RR		GR	6500	5		Syngenta Seeds Canada Inc
S12-C2	1c			IY	5000	11		Syngenta Seeds Canada Inc
2802R	1k	RR		BL	5900	3		First Line
91M10				Y	5300	na		Pioneer Hi-Bred Ltd.
RR Ricochet		RR		BL	5700	5*		Hyland Seeds
S13-J9	1k	RR		DBR	5100	4		Syngenta Seeds Canada Inc
ADV Runaway RR		RR	2850	BL	6400	8*		Advantage Seed Grow&Proc
Belmont				IY	5400	5		Hyland Seeds
Cadence				Y	5700	4		Hyland Seeds
Hudson				BR	6300	3		Hyland Seeds
National				BL	5000	14		C&M Seeds
PS 73				LBF	5200	5		Pride Seeds
PS 76 RR		RR		BR	5000	13		Pride Seeds
RCAT Bobcat				IY	5000	3		SeCan Association
RCAT Corbett				BR	4800	5		SeCan Association
S12-A5	1c			BR	4900	4		Syngenta Seeds Canada Inc
S14-A7	1c	RR		IY	5700	10*		Syngenta Seeds Canada Inc
S16-E8	1k	RR		DBR	5100	4		Syngenta Seeds Canada Inc
91M51	1k	RR		BF	6400	na		Pioneer Hi-Bred Ltd.
Arva			2900	IY	5400	10		Advantage Seed Grow&Proc
Crystal				Y	5700	5		Hyland Seeds
S15-B1		RR		BR	6000	6		Syngenta Seeds Canada Inc
S17-P9	1c	RR		BL	7000	6*		Syngenta Seeds Canada Inc
29-02R	1k	RR		BR	6100	4		First Line
5140RR	1k	RR		BR	5800	5		Dow AgroSciences Canada Ltd
91B12		RR		BL	6000	6		Pioneer Hi-Bred Ltd.
91B33	1k	RR		BR	6400	4		Pioneer Hi-Bred Ltd.
AG1901	1k	RR	2950	BL	6900	3		First Line
Crown				Y	5900	8		Hyland Seeds
D601R	1k	RR		BL	7900	6*		Direct Seeds
PRO 3090R		RR		IBL	6300	6		PRO Seeds of Canada
PRO 30-02				IY	4800	8		PRO Seeds of Canada
RCAT Wildcat				BL	5500	4		Advantage Seed Grow&Proc
RiotRR		RR		BR	6300	3		La Coop Fédérée
RS1498				BR	6100	7		Country Farm Seeds Ltd.
91B64	1c	RR		BR	6400	4		Pioneer Hi-Bred Ltd.

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\*\*Phytophthora % Plant Loss na=less than 2 years of data available, \* only 2 years of data available.

**Notes:**

HP - High Protein  
SCN - SCN resistant

**Herbicide Reaction**

RR - Roundup Ready  
STS - Sulfonylurea Tolerant

**Seed Supply**

LS - Limited Supply  
NA - Not Available

Table 1. Continued

Variety	Notes	Herbicide Reaction	Heat Unit Grouping	Hilum Colour	Seeds per Kg	Phytophthora Root Rot % Plant loss**	Seed Supply	Distributor
92B05	1k	RR	2950	BR	6800	6		Pioneer Hi-Bred Ltd.
Chinook	1c	RR		Y	4600	na	LS	First Line
RR Rochester		RR		BR	6700	3		Hyland Seeds
ISG 2500			3000	IY	6600	6		Inwood Seed & Grain Ltd
PS 78	1c			Y	5700	8		Pride Seeds
RS199RR	1k	RR		BL	6900	3		Country Farm Seeds Ltd.
SG1911NRR	SCN	RR		IBL	6200	6		Pride Seeds
Sherwin	SCN			Y	5300	6*		Hyland Seeds
S19-R5		RR		BL	6300	8*		Syngenta Seeds Canada Inc
Taylor				BR	5800	5		Hyland Seeds
92M10	1c			Y	6700	6		Pioneer Hi-Bred Ltd.
RR Respond	SCN	RR		BL	6700	5		Hyland Seeds
DKB20-10	1k	RR	3050	BL	6100	6		DEKALB
OAC Kent				Y	5000	3		SeCan Association
RCAT Harwich				Y	6600	6	LS	SeCan Association
RS2297C	SCN 1k			IBL	6100	5		Country Farm Seeds Ltd.
Sinclair	SCN			BL	5500	6		Hyland Seeds
S23-Q3	1c	RR		GR	6500	5		Syngenta Seeds Canada Inc
30-06R	1k	RR		BL	6200	7*		First Line
92M32	1k	RR		BR	5500	na		Pioneer Hi-Bred Ltd.
Carter				Y	5900	8		Hyland Seeds
92M40	SCN 1c	RR		BL	5500	na		Pioneer Hi-Bred Ltd.
Chatham			3100	Y	6400	15		Hyland Seeds
RCAT MiRRa		RR		IY	5500	2	LS	SeCan Association
RCAT 22R1		RR		BL	6000	7	LS	SeCan Association
RR Oxygen		RR		BL	7000	8		Maizex Seeds Inc
RR Rodney		RR		BL	6900	3		Hyland Seeds
S24-K4		RR		BR	6600	8		Syngenta Seeds Canada Inc
5211RR	1k	RR		BL	6600	5*		Dow AgroSciences Canada Ltd
92B38		RR		BR	6300	7		Pioneer Hi-Bred Ltd.
92M50	SCN 1k	RR		BF	5700	na		Pioneer Hi-Bred Ltd.
92M71		RR		BL	5500	na		Pioneer Hi-Bred Ltd.
ADV Rescuer RR	1k	RR	3150	BL	5200	na	LS	Advantage Seed Grow&Proc
PRO 30-05				Y	5100	5		PRO Seeds of Canada
PS 95				BL	6900	9		Pride Seeds
RCAT Dover				BL	7000	2		SeCan Association
RR Renwick		RR		BL	6400	5		Hyland Seeds
RS2595	1k			BL	6200	5		Country Farm Seeds Ltd.
Starburst				Y	6300	3		Hyland Seeds
31-04R	SCN 1c	RR		BL	6500	5		First Line
PRO 3195R		RR		BR	6300	5*		PRO Seeds of Canada
92M70	SCN	RR		BF	6600	na		Pioneer Hi-Bred Ltd.
ADV Revere RR		RR	3200	IBL	6800	13		Advantage Seed Grow&Proc
ADV Rocket RR		RR		BR	6800	6	LS	Advantage Seed Grow&Proc
Breeze		RR		Y	7400	23		First Line
ISG2686				Y	6400	8		Inwood Seed & Grain Ltd
RCAT Ruthven	SCN			Y	7200	7	LS	SeCan Association
S26-V6	SCN	RR		BL	6500	7*		Syngenta Seeds Canada Inc
92M72	1k			BL	5600	3*		Pioneer Hi-Bred Ltd.
RR Rankin	SCN	RR		BF	6600	3*		Hyland Seeds
92M92	SCN	RR		BR	6500	na		Pioneer Hi-Bred Ltd.
DKB26-52	SCN 1a	RR	3250	IBL	7000	4		DEKALB
PS 96 NRR	SCN	RR		IBL	6300	17		Pride Seeds
S29-C9		RR		BR	6600	8		Syngenta Seeds Canada Inc
26R	SCN 1k	RR		BL	6500	5		First Line
3201R		RR		BR	7500	5		First Line
32-03R	SCN 1c	RR		BL	7600	3		First Line
92M91	1k	RR		BL	5400	na		Pioneer Hi-Bred Ltd.
9305	1k			Y	6000	4		Pioneer Hi-Bred Ltd.
93B09	1k	RR	3300	BL	6200	5		Pioneer Hi-Bred Ltd.
S31-V3	SCN	RR	3350	DBR	5900	4*		Syngenta Seeds Canada Inc

\*\*Phytophthora % Plant Loss na=less than 2 yrs of data available, \* only two years of data available.

**Notes:**

HP - High Protein  
SCN - SCN resistant

**Herbicide Reaction**

RR - Roundup Ready  
STS - Sulfonylurea Tolerant

**Seed Supply**

LS - Limited Supply  
NA - Not Available

## INTERPRETATION OF RESULTS - TABLES 2 TO 6

### Days from Planting to Maturity

Maturity is affected by planting date and the area where a variety is being grown. Varieties are rated as being mature when 95% of the pods on the plants are ripe. Normally, 3-10 additional drying days are needed before the crop is dry enough for combining.

### Yield Index

Varieties can only be compared within each test area. Yield index of a variety indicates its performance as a percentage of the average yield of all varieties grown in a test area. Small index differences may not be meaningful. The yield index for each location and for the average of all locations is based on 2-3 years of testing. Yield index averaged over locations and years will be a more reliable indicator of yield potential than performance from one single location.

### Plant Height

An indicator of the amount of plant growth, it is measured at maturity as the length of the stem from the base of the plant to its tip.

### Lodging

A visual estimate at maturity of the standability of the crop. A value of 1 is equivalent to a crop standing completely upright, while a 5 represents a crop entirely flat. Within a test area, varieties with lower values are less prone to lodging.

### Testing Methods

In each trial, varieties were replicated in a suitable experimental design and received equal fertility, weed control and management. All trials were planted and harvested by machine. Tests were separated into conventional herbicide and glyphosate herbicide treated plots in 2003. Prior to harvest, plant height and lodging scores were obtained. The grain harvested from each plot was weighed and the yield of soybeans was calculated in tonnes/hectare at 13% moisture.

Agronomic data in Tables 2 to 4 represent 1-3 year averages of individual locations as well as a 2-year and a 3-year average of all locations. Agronomic data in Tables 5 & 6 represent performance from different soil types; data from 2-3 years of testing are provided for each location.

**\*\*New\*\* Roundup Ready (glyphosate) herbicide management system was applied to a separate test of glyphosate tolerant varieties for the first time in 2003 at label recommended timing and rates. New tables of RR Variety Tests are listed below the conventional herbicide treated varieties. The 2 year averages for 2003 and 2004 tests were treated with glyphosate. The conversion to 3 year table summaries based entirely on glyphosate treated plots will require 1 more year. Three year averages in the RR Variety Test tables is combined with 2002 tests treated with conventional herbicides.**

**TABLE 2.1 AGRONOMIC DATA AT 2300-2500 HEAT UNIT AREAS (RR VARIETY TEST)**

Variety	Days to Mature	Yield index (%)					Average 2yr 3yr	Plant Height (cm)	Lodging 1=Standing 5=flat	
		Dundalk 2yr	Dundalk 3yr	Elora 1yr*	New Liskeard 1yr**	Renfrew 2yr***				
230RR	113	84	--	84	--	--	82	--	76	2.5
S00-J4	120	91	<b>93</b>	90	97	<b>94</b>	94	<b>93</b>	76	1.7
Primo RR	122	102	<b>99</b>	92	100	<b>98</b>	100	<b>97</b>	85	2.0
25-02R	123	104	<b>100</b>	99	104	<b>102</b>	101	<b>101</b>	94	2.4
S00-F8	124	98	--	106	--	--	104	--	82	1.8
90B11	124	106	<b>100</b>	111	105	<b>100</b>	107	<b>102</b>	93	2.7
OlexRR	125	102	<b>99</b>	105	88	<b>101</b>	102	<b>99</b>	88	2.3
RR Regency	126	113	<b>109</b>	113	105	<b>105</b>	111	<b>108</b>	89	2.1
Average yield (T/ha)		3.62	<b>3.76</b>	3.23	2.69	<b>2.51</b>	3.45	<b>3.18</b>		
(bu/ac)		53.8	<b>55.9</b>	48.0	40.0	<b>37.3</b>	51.3	<b>47.3</b>		

**TABLE 2.2 AGRONOMIC DATA AT 2300-2500 HEAT UNIT AREAS (CONVENTIONAL VARIETY TEST)**

Emerson	120	94	<b>91</b>	97	93	<b>99</b>	96	<b>94</b>	80	1.8
Lotus	120	105	<b>103</b>	96	93	<b>93</b>	100	<b>98</b>	76	1.6
PRO 25-53	120	92	<b>96</b>	99	98	<b>100</b>	95	<b>98</b>	86	2.5
Carina	121	94	<b>94</b>	99	95	<b>98</b>	96	<b>96</b>	86	1.4
Gentry	122	109	<b>112</b>	109	105	<b>99</b>	104	<b>107</b>	72	2.4
90A07	122	99	<b>98</b>	100	101	<b>96</b>	98	<b>99</b>	83	2.2
AC Glengarry	123	108	<b>102</b>	99	105	<b>100</b>	105	<b>102</b>	83	2.4
Supra	123	97	<b>96</b>	94	92	<b>101</b>	98	<b>96</b>	78	1.7
Darcy	125	104	<b>106</b>	106	117	<b>115</b>	107	<b>110</b>	82	1.9
Average yield (T/ha)		3.60	<b>3.74</b>	3.40	2.92	<b>2.70</b>	3.57	<b>3.28</b>		
(bu/ac)		53.5	<b>55.6</b>	50.6	43.4	<b>40.1</b>	53.1	<b>48.8</b>		

\*Elora 1yr includes data from 2004.

\*\*New Liskeard 1yr includes data from 2002.

\*\*\*Renfrew 2yr includes data from 2002-2003.

#### Testing areas: Table 2

Dundalk	2002	2003	2004
Elora	--	--	2004
New Liskeard	2002	--	--
Renfrew	2002	2003	--

**TABLE 3.1 AGRONOMIC DATA AT 2500-2800 HEAT UNIT AREAS (RR VARIETY TEST)**

Variety	Days to Mature	Yield index (%)									Plant Height (cm)	Lodging 1=Standing 5=flat
		Brussels 2yr	Elora 2yr 3yr		Ottawa 2yr 3yr		Winchester 2yr 3yr		Average 2yr 3yr			
PS 35 RR	113	97	100	--	97	--	100	--	99	--	76	1.4
S02-M9	113	96	104	--	108	--	98	--	101	--	75	1.2
RR Regency	114	97	102	<b>102</b>	99	<b>98</b>	98	<b>95</b>	99	<b>98</b>	77	1.3
90B11	114	99	88	<b>90</b>	81	<b>80</b>	86	<b>89</b>	89	<b>89</b>	77	1.7
DKB00-99	115	98	89	<b>90</b>	78	<b>84</b>	105	<b>104</b>	93	<b>94</b>	79	1.4
PRO 2690R	115	98	105	--	102	--	100	--	101	--	77	1.4
PS 46 RR	115	103	103	<b>103</b>	101	<b>100</b>	109	<b>110</b>	104	<b>104</b>	71	1.2
25-03R	115	98	105	<b>104</b>	97	<b>95</b>	99	<b>101</b>	100	<b>100</b>	79	1.5
Arctic	116	91	91	<b>94</b>	99	<b>101</b>	90	<b>96</b>	93	<b>96</b>	82	1.7
Banco RR	116	101	102	<b>103</b>	100	<b>100</b>	97	<b>97</b>	100	<b>101</b>	81	2.4
Merlo RR	116	97	102	<b>101</b>	105	<b>103</b>	90	<b>89</b>	98	<b>97</b>	86	1.3
OAC Rockwood	116	98	101	<b>101</b>	97	<b>100</b>	108	<b>103</b>	101	<b>101</b>	75	1.5
26-02R	116	101	107	<b>104</b>	94	<b>93</b>	99	<b>99</b>	101	<b>100</b>	80	1.6
RR Rodger	117	102	99	--	100	--	95	--	99	--	81	1.6
S04-Z9	117	109	106	--	103	--	114	--	108	--	81	1.2
ADV Renegade RR	118	99	104	<b>100</b>	97	<b>95</b>	104	<b>104</b>	101	<b>100</b>	79	1.6
OAC Raptor	118	100	103	<b>105</b>	93	<b>97</b>	108	<b>105</b>	101	<b>102</b>	78	1.7
LynxRR	119	104	94	<b>98</b>	102	<b>106</b>	102	<b>104</b>	101	<b>103</b>	70	1.4
PRO 2790R	119	95	102	<b>104</b>	104	<b>103</b>	98	<b>102</b>	100	<b>102</b>	79	1.4
5B060RR	119	102	100	<b>100</b>	113	<b>112</b>	90	<b>92</b>	101	<b>101</b>	91	2.0
DKB06-52	120	100	99	<b>99</b>	102	<b>99</b>	109	<b>103</b>	102	<b>100</b>	75	1.4
PS 56 RR	120	107	105	<b>108</b>	102	<b>100</b>	107	<b>106</b>	105	<b>105</b>	84	1.5
2702R	120	101	99	<b>98</b>	99	<b>98</b>	105	<b>102</b>	101	<b>100</b>	82	1.7
ADV Rascal RR	121	102	100	--	98	--	103	--	101	--	75	1.8
OctaneRR	121	102	101	<b>104</b>	114	<b>116</b>	97	<b>102</b>	103	<b>106</b>	83	1.6
90B73	121	97	101	<b>101</b>	98	<b>101</b>	102	<b>101</b>	100	<b>100</b>	81	2.0
RiotRR	128	105	83	<b>91</b>	120	<b>119</b>	90	<b>95</b>	99	<b>101</b>	90	1.8
Average yield (T/ha)		3.23	3.48	<b>3.29</b>	2.96	<b>2.64</b>	3.57	<b>3.44</b>	3.31	<b>3.14</b>		
(bu/ac)		48.0	51.7	<b>48.9</b>	44.0	<b>39.3</b>	53.1	<b>51.2</b>	49.2	<b>46.7</b>		

**TABLE 3.2 AGRONOMIC DATA AT 2500-2800 HEAT UNIT AREAS (CONVENTIONAL VARIETY TEST)**

Variety	Days to Mature	Yield index (%)									Plant Height (cm)	Lodging 1=Standing 5=flat
		Brussels 2yr	Elora 2yr 3yr		Ottawa 2yr 3yr		Winchester 2yr 3yr		Average 2yr 3yr			
90A07	111	89	95	<b>94</b>	90	<b>88</b>	88	<b>88</b>	90	<b>90</b>	72	1.4
Supra	112	100	96	<b>95</b>	90	<b>88</b>	94	<b>91</b>	95	<b>93</b>	77	1.6
PS 36	114	94	93	<b>94</b>	100	<b>100</b>	96	<b>92</b>	96	<b>95</b>	85	1.7
ADV Accrue	115	97	98	<b>96</b>	95	<b>95</b>	103	<b>98</b>	98	<b>96</b>	87	1.8
Auriga	115	101	102	<b>102</b>	109	<b>108</b>	105	<b>105</b>	104	<b>104</b>	76	1.4
OAC Atwood	115	92	95	<b>97</b>	84	<b>85</b>	90	<b>90</b>	90	<b>91</b>	75	1.7
OAC Clinton	115	94	98	<b>97</b>	95	<b>98</b>	97	<b>101</b>	96	<b>98</b>	84	1.6
Venus	115	95	98	<b>100</b>	96	<b>97</b>	101	<b>102</b>	98	<b>99</b>	84	1.6
ADV Windfall	116	103	107	<b>102</b>	99	<b>95</b>	106	<b>99</b>	104	<b>100</b>	77	1.3
Delta	118	103	98	<b>100</b>	103	<b>103</b>	101	<b>102</b>	101	<b>102</b>	77	1.3
S03-W4	118	102	102	<b>100</b>	109	<b>108</b>	108	<b>107</b>	105	<b>104</b>	84	1.3
ADV Heartbeat	119	110	107	<b>104</b>	104	<b>104</b>	95	<b>97</b>	104	<b>103</b>	84	1.5
Dundas	119	103	114	<b>112</b>	101	<b>100</b>	106	<b>106</b>	106	<b>106</b>	84	1.8
Enterprise	119	101	103	<b>103</b>	101	<b>101</b>	100	<b>100</b>	101	<b>101</b>	77	1.6
OAC Bayfield	119	103	98	<b>99</b>	101	<b>102</b>	108	<b>104</b>	102	<b>102</b>	81	2.0
OAC Champion	119	108	102	<b>101</b>	100	<b>102</b>	109	<b>109</b>	105	<b>105</b>	86	1.9
PRO 275	119	102	89	<b>93</b>	93	<b>93</b>	106	<b>101</b>	98	<b>97</b>	76	1.7
Turbo	119	108	105	<b>104</b>	99	<b>99</b>	104	<b>104</b>	104	<b>103</b>	80	1.9
Casino	120	96	95	<b>95</b>	103	<b>103</b>	93	<b>94</b>	96	<b>97</b>	81	1.8
CF0703	120	106	106	<b>105</b>	108	<b>107</b>	104	<b>104</b>	106	<b>105</b>	90	1.8
OAC Wallace	120	105	108	<b>107</b>	117	<b>116</b>	118	<b>114</b>	112	<b>111</b>	82	1.5
9071	120	93	100	<b>100</b>	104	<b>105</b>	86	<b>94</b>	96	<b>98</b>	79	1.8
Monarch	121	102	98	<b>99</b>	105	<b>103</b>	102	<b>98</b>	102	<b>101</b>	87	1.4
ADV Gem	122	94	93	--	95	--	80	--	91	--	88	2.4
Average yield (T/ha)		3.27	3.55	<b>3.46</b>	3.27	<b>2.93</b>	3.45	<b>3.46</b>	3.38	<b>3.28</b>		
(bu/ac)		48.6	52.8	<b>51.4</b>	48.6	<b>43.6</b>	51.3	<b>51.4</b>	50.3	<b>48.8</b>		

**Testing areas: Table 3**

Brussels	--	2003	2004
Elora	2002	2003	2004
Ottawa	2002	2003	2004
Winchester	2002	2003	2004

**TABLE 4.1 AGRONOMIC DATA AT 2700-2900 HEAT UNIT AREAS (RR VARIETY TEST)**

Variety	Days to Mature	Exeter		St. Pauls	Yield index (%) Winchester		Woodstock		Average		Plant Height (cm)	Lodging 1=Standing 5=flat
		2yr	3yr	2yr	2yr	3yr	2yr	3yr	2yr	3yr		
ADV Runaway RR	114	102	--	96	89	--	99	--	96	--	81	1.9
90B73	117	93	<b>95</b>	93	104	<b>98</b>	90	<b>92</b>	95	<b>94</b>	82	1.9
RR Razor	118	100	<b>100</b>	102	107	<b>112</b>	103	<b>102</b>	103	<b>104</b>	79	1.7
S10-T1	118	99	<b>99</b>	89	88	<b>89</b>	92	<b>94</b>	92	<b>93</b>	76	1.5
2802R	118	98	<b>101</b>	105	90	<b>96</b>	102	<b>101</b>	99	<b>100</b>	86	1.6
91B12	119	90	<b>88</b>	94	101	<b>99</b>	97	<b>95</b>	95	<b>94</b>	74	1.5
91B33	119	98	<b>100</b>	99	94	<b>100</b>	99	<b>102</b>	98	<b>100</b>	71	1.4
S14-A7	120	105	<b>106</b>	106	100	<b>95</b>	100	<b>100</b>	103	<b>101</b>	75	1.5
RR Ricochet	121	104	--	102	103	--	103	--	103	--	76	1.4
S13-J9	121	104	<b>107</b>	100	104	<b>103</b>	101	<b>103</b>	102	<b>103</b>	69	1.6
29-02R	121	99	<b>99</b>	109	106	<b>110</b>	101	<b>104</b>	104	<b>105</b>	81	1.6
PS 76 RR	122	99	<b>97</b>	103	99	<b>96</b>	102	<b>101</b>	101	<b>99</b>	84	1.8
S16-E8	122	105	<b>104</b>	96	99	<b>96</b>	99	<b>100</b>	99	<b>99</b>	75	1.8
5140RR	122	104	<b>103</b>	102	104	<b>106</b>	102	<b>103</b>	103	<b>104</b>	75	1.5
ADV Resolve RR	123	94	--	92	86	--	93	--	91	--	91	2.3
91B64	123	99	<b>99</b>	102	96	<b>97</b>	98	<b>99</b>	99	<b>99</b>	84	1.6
ADV Rave RR	124	101	--	99	108	--	105	--	103	--	81	1.8
S17-P9	124	106	--	101	110	--	105	--	105	--	79	1.9
RR Rochester	125	101	--	102	106	--	105	--	103	--	87	2.1
S15-B1	125	102	<b>100</b>	104	110	<b>103</b>	103	<b>105</b>	105	<b>103</b>	84	1.7
PRO 3090R	127	97	--	102	99	--	102	--	100	--	88	2.0
Average yield (T/ha)		3.25	<b>3.26</b>	4.13	3.38	<b>3.37</b>	3.67	<b>3.83</b>	3.61	<b>3.60</b>		
(bu/ac)		48.3	<b>48.5</b>	61.4	50.3	<b>50.1</b>	54.6	<b>57.0</b>	53.7	<b>53.5</b>		

**TABLE 4.2 AGRONOMIC DATA AT 2700-2900 HEAT UNIT AREAS (CONVENTIONAL VARIETY TEST)**

Variety	Days to Mature	Exeter		St. Pauls	Yield index (%) Winchester		Woodstock		Average		Plant Height (cm)	Lodging 1=Standing 5=flat
		2yr	3yr	2yr	2yr	3yr	2yr	3yr	2yr	3yr		
Dundas	115	104	<b>103</b>	102	100	<b>101</b>	103	<b>101</b>	102	<b>101</b>	75	1.6
OAC Bayfield	115	101	<b>100</b>	97	105	<b>100</b>	92	<b>91</b>	99	<b>97</b>	76	1.8
ADV Heartbeat	116	99	<b>99</b>	98	94	<b>93</b>	100	<b>97</b>	98	<b>97</b>	78	1.5
OAC Wallace	116	103	<b>103</b>	98	111	<b>106</b>	97	<b>98</b>	102	<b>101</b>	75	1.5
Jutra	117	99	<b>99</b>	98	104	<b>100</b>	96	<b>98</b>	99	<b>99</b>	74	1.3
HL35	118	100	<b>102</b>	92	93	<b>97</b>	93	<b>96</b>	95	<b>97</b>	69	1.3
Hudson	118	111	<b>110</b>	106	96	<b>101</b>	105	<b>106</b>	104	<b>106</b>	69	1.6
PS 59	118	103	<b>104</b>	102	105	<b>103</b>	101	<b>103</b>	103	<b>103</b>	80	1.4
RCAT Bobcat	118	99	<b>100</b>	100	105	<b>102</b>	97	<b>99</b>	100	<b>100</b>	82	1.4
Athens	119	97	--	98	87	--	99	--	95	--	85	1.7
OAC Oxford	119	93	<b>94</b>	101	108	<b>104</b>	100	<b>98</b>	100	<b>99</b>	85	1.4
S 08-80	119	97	<b>97</b>	101	101	<b>99</b>	101	<b>99</b>	100	<b>99</b>	79	1.4
Majesta	120	98	<b>97</b>	100	105	<b>108</b>	103	<b>103</b>	102	<b>102</b>	88	1.7
OAC Quinte	120	95	<b>96</b>	98	88	<b>94</b>	105	<b>101</b>	97	<b>97</b>	95	2.2
PRO 28-53	120	96	<b>97</b>	97	92	<b>96</b>	97	<b>100</b>	96	<b>98</b>	90	1.7
Cadence	121	95	<b>97</b>	102	101	<b>102</b>	103	<b>107</b>	100	<b>102</b>	78	1.9
PS 73	121	101	<b>102</b>	100	102	<b>106</b>	102	<b>103</b>	101	<b>103</b>	80	1.6
RCAT Corbett	121	103	<b>102</b>	103	107	<b>110</b>	105	<b>105</b>	104	<b>105</b>	79	1.5
S12-C2	121	111	<b>108</b>	98	112	<b>106</b>	99	<b>98</b>	105	<b>103</b>	71	1.4
Arva	122	101	<b>97</b>	97	86	<b>76</b>	90	<b>85</b>	93	<b>88</b>	80	1.7
National	123	101	<b>100</b>	102	100	<b>104</b>	97	<b>101</b>	100	<b>102</b>	81	1.7
Crystal	124	95	<b>96</b>	90	102	<b>95</b>	96	<b>97</b>	95	<b>95</b>	78	1.5
RS1498	124	105	<b>104</b>	105	111	<b>105</b>	108	<b>108</b>	107	<b>105</b>	80	1.6
S12-A5	124	105	<b>106</b>	108	108	<b>107</b>	102	<b>101</b>	106	<b>105</b>	75	1.6
PRO 29-65	126	105	--	104	87	--	106	--	101	--	84	2.5
PRO 30-02	126	96	--	104	100	--	102	--	101	--	78	1.6
PS 78	126	90	<b>92</b>	91	96	<b>95</b>	91	<b>94</b>	92	<b>93</b>	98	1.8
Belmont	127	98	<b>97</b>	104	105	<b>102</b>	103	<b>102</b>	103	<b>101</b>	87	1.5
Crown	127	99	<b>99</b>	98	91	<b>92</b>	101	<b>103</b>	98	<b>98</b>	87	1.9
RCAT Wildcat	127	97	<b>100</b>	107	99	<b>99</b>	107	<b>107</b>	103	<b>103</b>	79	1.7
Average yield (T/ha)		3.46	<b>3.47</b>	4.25	3.55	<b>3.61</b>	3.67	<b>3.90</b>	3.73	<b>3.77</b>		
(bu/ac)		51.4	<b>51.6</b>	63.2	52.8	<b>53.7</b>	54.6	<b>58.0</b>	55.5	<b>56.1</b>		

Testing areas: Table 4

Exeter	2002	2003	2004
St. Pauls	--	2003	2004
Winchester	2002	2003	2004
Woodstock	2002	2003	2004



**TABLE 5.1 AGRONOMIC DATA AT 2900-3300 HEAT UNIT AREAS (RR VARIETY TEST)**

Variety	Days to Mature	Yield index (%)										Plant Height (cm)	Lodging 1=Standing 5=flat
		Clay					Loam						
		Dutton		Inwood		Clay Average	Ridgetown		Talbotville		Loam Average		
2yr	3yr	2yr	3yr		2yr	3yr	2yr	3yr					
S17-P9	111	101	--	93	--	--	96	--	100	--	--	67	1.0
92B05	111	95	97	103	103	<b>100</b>	101	99	88	92	<b>96</b>	69	1.0
PRO 3090R	112	96	95	102	101	<b>98</b>	96	96	98	99	<b>97</b>	77	1.4
S19-R5	112	103	--	105	--	--	106	--	101	--	--	70	1.0
RCAT MiRRa	113	99	101	105	104	<b>102</b>	103	102	101	102	<b>102</b>	85	1.3
RR Rochester	113	99	99	95	95	<b>97</b>	92	93	96	98	<b>95</b>	76	1.7
SG1911NRR	113	92	96	99	98	<b>97</b>	98	98	89	85	<b>93</b>	80	1.6
AG1901	114	101	98	106	105	<b>102</b>	95	95	97	100	<b>97</b>	86	1.5
RR Respond	114	102	101	100	100	<b>101</b>	99	98	95	99	<b>99</b>	74	1.1
RS199RR	114	104	105	98	98	<b>102</b>	100	103	99	100	<b>102</b>	72	1.2
DKB20-10	115	100	102	104	101	<b>102</b>	102	102	104	102	<b>102</b>	71	1.3
92B38	115	106	105	104	102	<b>103</b>	104	104	104	100	<b>102</b>	75	1.1
RR Oxygen	116	102	101	103	100	<b>100</b>	102	103	102	103	<b>103</b>	73	1.2
RR Rodney	116	101	101	95	98	<b>100</b>	99	102	105	108	<b>105</b>	73	1.0
30-06R	116	106	--	105	--	--	105	--	101	--	--	77	1.5
5211RR	116	102	--	103	--	--	103	--	103	--	--	75	1.2
S23-Q3	117	100	99	98	96	<b>98</b>	101	100	101	100	<b>100</b>	78	1.5
S24-K4	117	98	100	101	98	<b>99</b>	103	105	112	110	<b>107</b>	78	1.5
RCAT 22R1	118	99	--	99	--	--	99	--	95	--	--	72	1.0
31-04R	118	99	--	97	--	--	96	--	98	--	--	76	1.2
PRO 3195R	120	97	--	82	--	--	99	--	110	--	--	80	1.6
Average yield (T/ha)		3.30	2.82	2.59	2.43	<b>2.63</b>	3.93	4.12	3.39	3.15	<b>3.63</b>		
(bu/ac)		49.1	41.9	38.5	36.1	<b>39.1</b>	58.4	61.3	50.4	46.8	<b>54.0</b>		

**TABLE 5.2 AGRONOMIC DATA AT 2900-3300 HEAT UNIT AREAS (CONVENTIONAL VARIETY TEST)**

Variety	Days to Mature	Yield index (%)										Plant Height (cm)	Lodging 1=Standing 5=flat
		Clay					Loam						
		Dutton		Inwood		Clay Average	Ridgetown		Talbotville		Loam Average		
2yr	3yr	2yr	3yr		2yr	3yr	2yr	3yr					
Crown	112	96	100	92	95	<b>97</b>	100	98	93	96	<b>97</b>	75	1.4
RCAT Harwich	113	103	--	106	--	--	97	--	106	--	--	80	1.4
Sherwin	113	105	--	106	--	--	105	--	98	--	--	71	1.4
Chatham	114	98	97	100	99	<b>98</b>	98	99	98	99	<b>99</b>	69	1.2
ISG 2500	114	92	93	93	95	<b>94</b>	99	103	104	105	<b>104</b>	69	1.1
OAC Kent	114	100	102	102	103	<b>103</b>	102	101	101	99	<b>100</b>	78	1.6
Taylor	114	100	101	94	98	<b>99</b>	95	97	92	96	<b>96</b>	63	1.1
92M10	115	103	103	98	99	<b>101</b>	99	100	97	97	<b>99</b>	77	1.4
PRO 30-05	116	106	107	103	103	<b>105</b>	106	103	101	103	<b>103</b>	74	1.3
RCAT Dover	116	104	103	105	108	<b>105</b>	104	104	110	109	<b>106</b>	78	1.2
RS2297C	116	99	101	101	100	<b>100</b>	100	99	95	96	<b>98</b>	71	1.5
Sinclair	118	95	95	103	103	<b>99</b>	94	94	105	100	<b>97</b>	80	1.6
RS2595	119	99	99	98	98	<b>99</b>	101	103	100	100	<b>101</b>	74	1.5
Average yield (T/ha)		3.42	2.92	2.99	2.71	<b>2.82</b>	4.08	4.28	3.33	3.21	<b>3.75</b>		
(bu/ac)		50.9	43.4	44.5	40.3	<b>41.9</b>	60.7	63.6	49.5	47.7	<b>55.8</b>		

**Testing areas: Table 5**

Dutton	2002	2003	2004
Inwood	2002	2003	2004
Ridgetown	2002	2003	2004
Talbotville	2002	2003	2004

**TABLE 6.1 AGRONOMIC DATA AT 3300-3500 HEAT UNIT AREAS (RR VARIETY TEST)**

Variety	Days to Mature	Yield index (%)									Plant Height (cm)	Lodging 1=Standing 5=flat	
		Clay					Loam						
		Merlin 2yr	Merlin 3yr	Woodslee 2yr	Woodslee 3yr	Clay Average	Chatham 2yr	Chatham 3yr	Malden 2yr	Malden 3yr			Loam Average
92B38	113	97	100	102	104	102	105	103	102	102	102	77	1.1
S24-K4	115	100	101	108	108	105	107	106	103	105	106	79	1.6
RCAT 22R1	116	106	103	101	102	102	103	102	94	95	98	73	1.0
RR Rankin	116	87	--	108	--	--	103	--	100	--	--	70	1.0
Breeze	117	101	101	106	105	104	98	101	103	105	103	80	1.0
DKB26-52	117	96	96	95	99	98	99	99	98	100	100	86	1.5
PRO 3195R	117	98	--	99	--	--	98	--	104	--	--	79	1.1
RR Renwick	117	117	113	107	106	109	106	103	102	104	104	77	1.3
S26-V6	117	104	--	100	--	--	97	--	104	--	--	79	1.3
26R	117	102	99	95	94	96	88	94	97	97	96	72	1.0
PS 96 NRR	118	94	95	98	101	99	90	95	99	101	98	76	1.0
3201R	118	93	93	90	89	90	101	100	98	96	98	85	1.4
ADV Revere RR	119	97	98	101	100	99	93	93	97	98	96	78	1.3
ADV Rocket RR	119	100	101	100	98	99	102	100	100	99	99	82	1.0
S29-C9	120	106	106	103	103	105	101	103	103	105	104	86	1.5
32-03R	120	83	88	87	90	89	95	95	93	93	94	88	1.1
93B09	120	109	106	103	101	103	106	105	100	99	102	72	1.0
S31-V3	121	109	--	96	--	--	107	--	102	--	--	83	1.1
Average yield (T/ha)		2.59	2.58	3.63	3.42	3.00	3.51	3.59	3.97	3.78	3.69		
(bu/ac)		38.5	38.4	54.0	50.9	44.6	52.2	53.4	59.0	56.2	54.9		

**TABLE 6.2 AGRONOMIC DATA AT 3300-3500 HEAT UNIT AREAS (CONVENTIONAL VARIETY TEST)**

Variety	Days to Mature	Yield index (%)									Plant Height (cm)	Lodging 1=Standing 5=flat	
		Clay					Loam						
		Merlin 2yr	Merlin 3yr	Woodslee 2yr	Woodslee 3yr	Clay Average	Chatham 2yr	Chatham 3yr	Malden 2yr	Malden 3yr			Loam Average
Carter	114	95	95	99	103	99	101	101	103	102	102	66	1.1
RCAT Harwich	114	109	108	108	108	108	105	100	101	102	101	83	1.2
OAC Kent	115	99	100	105	104	102	102	100	105	107	104	76	1.4
92M10	115	99	103	94	97	99	103	103	97	98	100	75	1.0
RCAT Dover	116	101	101	103	103	102	103	103	99	100	102	76	1.1
PS 95	117	112	108	106	102	104	100	103	99	99	101	76	1.2
Starburst	117	97	99	97	99	99	98	98	96	97	98	75	1.2
ISG2686	118	92	96	90	94	95	97	101	97	97	99	65	1.1
9305	119	88	92	98	98	95	92	94	89	93	93	77	1.0
92M72	121	108	--	107	--	--	105	--	104	--	--	72	1.0
RCAT Ruthven	123	99	98	93	93	95	94	97	110	106	102	78	1.7
Average yield (T/ha)		2.70	2.68	3.63	3.51	3.09	3.71	3.78	4.05	3.94	3.86		
(bu/ac)		40.1	39.9	54.0	52.2	45.9	55.2	56.2	60.2	58.6	57.4		

**Testing areas: Table 6**

Merlin	2002	2003	2004
Woodslee	2002	2003	2004
Chatham	2002	2003	2004
Malden	2002	2003	2004

**TABLE 7. RESISTANT VARIETY  
PERFORMANCE IN SCN INFESTED FIELDS**

<b>Variety</b>	<b>Average of 6 Tests (2002-2004)</b>		<b>Average of 4 Tests (2003-2004)</b>	
	<b>Days to Maturity</b>	<b>Yield Index (%)</b>	<b>Days to Maturity</b>	<b>Yield Index (%)</b>
DKB26-52*	115	119	115	112
SG1911NRR*	113	110	116	110
Sherwin	--	--	117	129
RR Respond*	115	126	118	123
RS2297C	116	114	120	113
Sinclair	118	126	121	122
31-04R*	--	--	122	117
26R*	121	118	124	113
S26-V6*	--	--	124	127
RR Rankin*	--	--	125	126
32-03R*	123	117	126	111
PS 96 NRR*	123	126	127	117
RCAT Ruthven	124	122	127	112
S31-V3*	--	--	127	127
**Susceptible Yield Index is:		100%	100%	
Susceptible Yield:		2.85 T/ha or 42.3 bu/ac	2.82 T/ha or 41.9 bu/ac	

\* These varieties are Roundup Ready (RR), and were tested under a RR management system in one test location in 2003 and 2004.

\*\* Susceptible Yield Index is based on 3 high yielding susceptible varieties.

Test locations had low to moderate SCN infestations (1,000 to >4,000 eggs/100g of soil).

Resistance source is PI88788 for all varieties.

## Test Locations & Soil Types - 2004 Trials

<b>Location</b>	<b>Table</b>	<b>Heat Unit Rating</b>	<b>Soil Type</b>	<b>Row Width (cm)</b>	<b>Seeding Rate (plant/ac)</b>	<b>Co-operator</b>
Dundalk	2	2400	clay	35	200,000	Ed Jack
New Liskeard	2	2400	clay	18	200,000	N.L. Research
Renfrew	2	2500	clay	20	200,000	Larry Reaburn
Elora	2 & 3	2550	silt loam	35	200,000	OAC
Ottawa	3	2650	clay loam	40	200,000	Research Centre, AAFC
Brussels	3	2650	loam	38	200,000	Nathan and Trevor Peel
Winchester	3 & 4	2825	clay loam	35	200,000	Kemptville College, U. of Guelph
St. Paul's	4	2750	clay loam	35	200,000	Bernard Murray
Woodstock	4	2700	clay loam	35	200,000	Bob Hart
Exeter	4	2900	clay loam	38	200,000	Bill Essery
Talbotville	5	2900	clay loam	35	200,000	Tom Oegema
Ridgetown	5	3250	clay loam	43	160,000	Ridgetown College, U. of Guelph
Inwood	5	3050	clay	43	200,000	Tom Lassoline
Palmyra	5	3100	clay	43	200,000	Erie Ridge Farms Ltd.
Merlin	6	3350	clay	43	200,000	Grant Guy
Woodslee	6	3400	clay	45	200,000	Research Centre, AAFC, Harrow
Chatham	6	3300	clay loam	43	160,000	Stan Wonnacott
Malden	6	3400	clay loam	45	185,000	Research Centre, AAFC, Harrow

## SOYBEAN VARIETY DISTRIBUTORS

If you do not know who your local supplier is for a soybean variety listed in Table 1, then contact the distributor for information.

### **Advantage Seed Growers & Processors Inc.**

40168 Londesborough Rd., Box 122  
Londesborough, ON N0M 2H0  
Tel: 519-523-9693, Fax: 519-523-4820  
Email: wanda@advantageseeds.com  
www.advantageseeds.com

### **Agrocentre Belcan**

180 Mt. Ste. Marie, Ste. Marthe, QC J0P 1W0  
Tel: 1-800-363-5146, Fax: 450-459-4216  
www.agrocentrebelfcan.com

### **C&M Seeds**

6180 5th Line Minto, RR #3  
Palmerston, ON N0G 2P0  
Tel: 519-343-2126 Fax: 519-343-3792  
www.redwheat.com

### **Country Farm Seeds Ltd.**

P.O. Box 790, 18814 Communication Road  
Blenheim, ON N0P 1A0  
Tel: 519-676-8671; Fax 519-676-9633  
www.countryfarmseeds.ca

### **DEKALB Monsanto Canada Inc.**

150 Research Lane, Suite 307  
Guelph, ON N1G 4T2  
Tel: 1-800-667-4944, Fax: 519-823-9733  
www.monsanto.ca/products/dekalb

### **Direct Seeds Inc.**

995 Richmond St. Chatham, ON N7M 5J5  
Phone: 1-800-461-2676, Fax: 519-352-9559  
www.directseeds.com

### **Dow AgroSciences Canada Inc.**

Mycogen Brand Seeds  
P.O. Box 1060, St. Mary's, ON N4X 1B7  
Tel: 1-800-668-4939 Fax 519-349-2688  
www.dowagro.com/ca

### **First Line Monsanto Canada Inc.**

150 Research Lane, Suite 307  
Guelph, ON N1G 4T2  
Tel: 1-800-361-2326 Fax: 519-823-9733  
www.monsanto.ca/products/firstline

### **Hyland Seeds, Div. of W.G. Thompson & Sons Ltd.**

P.O. Box 130, 2 Hyland Dr., Blenheim ON N0P 1A0  
Tel: 519-676-8146 Fax: 519-676-5674  
www.hylandseeds.com

### **Inwood Seed & Grain Ltd.**

Box 130, 6505 James St., Inwood ON N0N 1K0  
Tel: 519-844-2426 Fax 519-844-2424

### **La Coop Fédérée**

2405 de la Province, Longueuil QC J4G 1G3  
Tel: 450-670-2231 Fax: 450-670-3900  
Email: centre-distribution@sympatico.ca  
www.coopfed.qc.ca

### **Maizex Seeds Inc**

4488 Mint Line, RR #2, Tilbury ON N0P 2L0  
Tel 877-682-1720 Fax 519-682-2144  
www.maizex.com

### **Pioneer Hi-Bred Ltd.**

Box 730, 7399 Queen's Line  
Chatham ON N7M 5L1  
Tel: 1-800-265-9435, Fax: 519-380-2008  
www.Pioneer.com/Canada

### **Pride Seeds**

P.O. Box 1088, Chatham ON N7M 5L6  
Tel: 519-354-3210 Fax: 519-354-8155  
www.prideseed.com

### **Prograin**

145 Bas Rivière Nord, St-Césaire, QC J0L 1T0  
Tel: 1-800-817-3732 Fax: 450-469-4547  
www.prograin.qc.ca

### **PRO Seeds of Canada**

RR#6, Woodstock ON N4S 7W1  
Tel: 1-888-537-5157 Fax: 519-533-0773  
Email: proseeds@execulink.com

### **SeCan Association**

374151 Foldens Line, RR #5 Ingersoll, ON N5C 3J8  
Tel: 1-866-797-7874, Fax: 519-423-6933  
www.secan.com

### **Mike Snobelen Farms Ltd.**

Box 29, 323 Havelock St., Lucknow, ON NOG 2H0  
Tel: 519-528-2092 / 1-800-582-5669, Fax: 519-528-3542  
Email: cindy@snobelengroup.com  
www.snobelengroup.com

### **Syngenta Seeds Canada, Inc.**

15910 Medway Road, RR #1, Arva, ON N0M 1C0  
Tel: 800-756-7333 Fax: 888-717-7122  
www.nkcanada.com

### **Go to [www.oopsc.org](http://www.oopsc.org) for:**

- 2005 Yield and Maturity Graphs from OSV report.
- Oil and Protein information.
- Food Grade Variety Performance Information.
- 2005 Ontario Soybean Variety Report