2007 REPORT

Ontario Soybean Variety Trials

for 2004-2006

by the

Ontario Oil & Protein
Seed Crop Committee

Research conducted and reported by

UNIVERSITY of GUELPH

Ontario Agricultural College
Ridgetown College
Kemptville College

Agriculture and Agri-Food Canada | Agriculture et Agroalimentaire Canada

Harrow - GPCRC **Ottawa - ECORC**

Ontario

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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.GoSoy.ca.

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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.
F: Varieties designated for food (Tofu, Natto, Miso, etc.) use.

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@oopscc.org**.
White Mold variety ratings are available for several heat unit areas on the web at www.Gosoy.ca.

Protein & Oil Index
Protein Index (%) and Oil (%) is obtainable on the web at www.Gosoy.ca.

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. In Tables 2-4, the yield index for each location and for the average of all locations is based on 2-3 years of testing. In Tables 5-6, the clay and loam averages are based on 3 years of testing only. 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.

Food Soybean Varieties (F)
The Conventional and Food soybean variety trials were combined for the first time in 2006. When comparing Food (F) soybean varieties with non-Food varieties, please note that not all Food varieties were grown in the same test plots in the years 2004 and 2005. The location averages may represent data from different trials within a location grown in 2004 and 2005. Also the 2 and 3 year overall averages may represent data from different locations within a heat unit zone.

Table 1. Soybean Variety Performance List and Descriptions

Variety	Notes	Herbicide Reaction	Heat Unit Grouping	Hilum Colour	Seeds per Kg	Phytophthora Root Rot % Plant Loss**	Seed Supply	Distributor
DrakoRR		RR	2400	BR	6100	11*		La Coop Fédérée
90A01				IY	7000	7*		Pioneer Hi-Bred Ltd.
PS 26 RR		RR		BR	6800	10*		Pride Seeds
90A07			2450	Y	6500	na		Pioneer Hi-Bred Ltd.
S00-Z1				BR	5800	10*		Syngenta Seeds Canada, Inc.
23005RR		RR		IBL	6000	na		Quarry Grain Commodities
OlexRR		RR		BR	5700	9*		La Coop Fédérée
25-04R		RR	2500	BR	5800	20*		DEKALB Monsanto Canada Inc.
5B008RR	1k	RR		BR	8200	3*		Dow AgroSciences Canada Inc.
Montcalm		RR		IY	6400	18*		SeCan
OAC Gretna				IY	5700	10*		C&M Seeds
PRO 25-53				IY	5300	14*		PRO Seeds of Canada
25-52R	1k	RR	2550	BL	4800	na		DEKALB Monsanto Canada Inc.
90M20	1k	RR		IY	6200	4*		Pioneer Hi-Bred Ltd.
Belle RR		RR		BL	6000	5*		SeCan/C&M Seeds
DKB00-99	1a	RR		BR	5900	11*		DEKALB Monsanto Canada Inc.
Kamichis	F			IY	5800	na		Hendrick Seeds
Lotus	HP			IY	5500	na		PRO Seeds of Canada
OAC 01-26	F			Y	5200	38		Seed-link Inc.
OAC Ayton				BR	6400	3*		C&M Seeds
OAC Carman				IY	5800	19*		C&M Seeds
Phoenix				IY	5300	6*		La Coop Fédérée
PRO 2590R		RR		BR	5800	na		PRO Seeds of Canada
90M40	1k	RR		BL	5600	3*		Pioneer Hi-Bred Ltd.
RR Regency		RR		BR	5800	19*		Hyland Seeds, Div. of Thompsons Ltd.
PS 35 RR		RR		BR	5300	10*		Pride Seeds
PS 36	1a			Y	5400	14*		Pride Seeds
0256R		RR	2600	BL	5700	na		Advantage Seed Growers
90M01	1k	RR		Y	5900	5*		Pioneer Hi-Bred Ltd.
90M60	1c	RR		BR	5100	4*		Pioneer Hi-Bred Ltd.
Banco RR		RR		BR	6200	6*		Advantage Seed Growers
Karlo RR		RR		BR	4200	7*		Prograin
Lanark		RR		BF	7100	10*		SeCan
PRO 26-53				IY	4800	5*		PRO Seeds of Canada
PS 46 RR		RR		BL	4900	8*		Pride Seeds
RD714	F HP			IY	4800	na		Hendrick Seeds
RT0395	1a	RR		BL	6200	17*		Croplan Genetics/The Agromart Group
26-02R	1k	RR		BL	5900	6*		DEKALB Monsanto Canada Inc.
Connor				Y	5500	5*		Hyland Seeds, Div. of Thompsons Ltd.
PRO 2615R	1k	RR		IY	5200	na		PRO Seeds of Canada
26-54R	1k	RR	2650	BL	5800	9*		DEKALB Monsanto Canada Inc.
ADV Windfall	F			IY	4900	8*		Advantage Seed Growers
DH 3604	F			Y	12900	na		Hendrick Seeds
LynxRR		RR		BR	6000	7*		La Coop Fédérée
OAC Bayfield				BR	5100	6		SeCan
OAC Champion	F			IY	4900	10*		PRO Seeds of Canada
PRO 2690R		RR		BR	5000	17*		PRO Seeds of Canada
RT0411	1k	RR		BR	5100	9*		Croplan Genetics/The Agromart Group
RT0541	6	RR		GR	6100	6*		Croplan Genetics/The Agromart Group
S03-W4	1c			IY	5300	9*		Syngenta Seeds Canada, Inc.
Sierra	F			IY	4800	na		PRO Seeds of Canada
Venus	F HP			IY	4700	30*		PRO Seeds of Canada
S05-T6	1c			IY	5000	3*		Syngenta Seeds Canada, Inc.
27-07R		RR	2700	BL	5800	8*		DEKALB Monsanto Canada Inc.
5B060RR	1k	RR		Y	6400	5*		Dow AgroSciences Canada Inc.
90B73		RR		BR	5300	8		Pioneer Hi-Bred Ltd.
Auriga				Y	5400	5*		La Coop Fédérée

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

NOTES:

F - Food Soybean
HP - High Protein
SCN - SCN Resistant
1a, 1c, etc. - Phytophthora resist. genes

Herbicide Reaction
RR - Roundup Ready
STS - Sulfonylurea Tolerant

Seed Availability
LS - Limited Supply
NA - Not Available

Table 1. Soybean Variety Performance List and Descriptions (continued)

Variety	Notes	Herbicide Reaction	Heat Unit Grouping	Hilum Colour	Seeds per Kg	Phytophthora Root Rot % Plant Loss**	Seed Supply	Distributor
CF0703	F 1c		2700	IY	4900	9*		Country Farm Seeds Ltd.
CF0804	1k			Y	5800	8*		Country Farm Seeds Ltd.
DKB06-52	1k	RR		BL	5600	5*		DEKALB Monsanto Canada Inc.
HDC 2701	F HP			Y	4400	na		Hensall District Co-op Inc
Joliette RR		RR		BL	5700	6*	LS	SeCan/AgroCentre Belcan
Madison				BR	5500	7*		Hyland Seeds, Div. of Thompsons Ltd.
OAC Lakeview				Y	5400	15*		SeCan
OAC Raptor		RR		BR	5400	11*		SeCan
OAC Rockwood		RR		BR	5800	na		SeCan/AgroCentre Belcan
PRO 2795R		RR		BR	5800	7*		PRO Seeds of Canada
RR React		RR		BR	6500	6*		Hyland Seeds, Div. of Thompsons Ltd.
RT0611	1a	RR		Y	5900	4*		Croplan Genetics/The Agromart Group
RT0899	1k	RR		GR	5900	4*		Croplan Genetics/The Agromart Group
1633RR		RR	2750	BL	5800	11		Syngenta Seeds/Advantage Seeds
27-51R	SCN 1k	RR		GR	5700	8*		DEKALB Monsanto Canada Inc.
2702R		RR		BL	5600	12*		DEKALB Monsanto Canada Inc.
ADV Renegade RR		RR		BR	5300	9*		Advantage Seed Growers
Amasa	F			Y	4300	10		Prograin
Dundas				LBR	5900	7	LS	SeCan
Enterprise				IY	5600	na		Hyland Seeds, Div. of Thompsons Ltd.
HDC Maitland	F			Y	12900	na		Hensall District Co-op Inc
OAC Wallace				BR	5100	4		SeCan
PRO 275				IY	5100	4*		PRO Seeds of Canada
PS 56 RR		RR		BR	6400	9*		Pride Seeds
RR Razor		RR		BR	5200	6		Hyland Seeds, Div. of Thompsons Ltd.
RT0995		RR		BR	5700	12*		Croplan Genetics/The Agromart Group
RT1004	1k	RR		BR	6100	5*		Croplan Genetics/The Agromart Group
Turbo				IY	4900	3*		Mike Snobelen Farms Ltd.
ADV Rascal RR		RR		BL	5000	16		Advantage Seed Growers
ADV0405R		RR		BL	6100	4*		Advantage Seed Growers
SK214	F			Y	9000	na		DG Global Inc.
28-03R	1k	RR	2800	BL	5500	5*		DEKALB Monsanto Canada Inc.
90M91	1k	RR		BR	5700	5*		Pioneer Hi-Bred Ltd.
91M10				Y	5400	10		Pioneer Hi-Bred Ltd.
Buster				BR	5600	na		Agrocentre Belcan
CF0903R		RR		BL	6400	na		Country Farm Seeds Ltd.
HL35	HP			BL	4800	na		Hyland Seeds, Div. of Thompsons Ltd.
Jutra	F			IY	5000	12		PRO Seeds of Canada
Kaprio RR		RR		BR	4200	6		PRO Seeds of Canada
Majesta				IY	5000	na		Prograin
Monarch				BR	5100	na		PRO Seeds of Canada
S08-80	1c			IY	4900	5		Syngenta Seeds Canada, Inc.
S12-C2	1c			IY	5100	16		Syngenta Seeds Canada, Inc.
ADV108	F			Y	4300	31*		Advantage Seed Growers
RR Ricochet		RR		BR	5600	6		Hyland Seeds, Div. of Thompsons Ltd.
Vaudreuil RR		RR		BL	6100	13*		SeCan/C&M Seeds
28-51R	SCN 1k	RR	2850	BL	6500	6*		DEKALB Monsanto Canada Inc.
91M51	1k	RR		BF	6100	3		Pioneer Hi-Bred Ltd.
ADV Runaway RR		RR		BL	6800	10		Advantage Seed Growers
Athos				Y	5200	4*		La Coop Fédérée
Belmont				IY	5500	6		Hyland Seeds, Div. of Thompsons Ltd.
Colby				Y	4800	7		Hyland Seeds, Div. of Thompsons Ltd.
Hudson				BR	6600	6		Hyland Seeds, Div. of Thompsons Ltd.
OAC Prodigy				IY	4800	6		PRO Seeds of Canada
PRO 2995R	1a	RR		BR	5400	6		PRO Seeds of Canada

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NOTES:

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Herbicide Reaction
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Table 1. Soybean Variety Performance List and Descriptions (continued)

Variety	Notes	Herbicide Reaction	Heat Unit Grouping	Hilum Colour	Seeds per Kg	Phytophthora Root Rot % Plant Loss**	Seed Supply	Distributor
PS 73			2850	BF	5300	6		Pride Seeds
PS 76 RR		RR		BR	4800	22		Pride Seeds
RCAT Corbett				BR	4800	3		SeCan
RCAT MatRix		RR		BL	5100	8		SeCan
RT1445	1k	RR		BL	6000	4*		Croplan Genetics/The Agromart Group
S12-A5	1c, 3a			BR	4800	7		Syngenta Seeds Canada, Inc.
S14-P6	1c			Y	4300	na		Syngenta Seeds Canada, Inc.
Ventrm	F			Y	3500	na		AGROMART Processing Company Inc.
28-52R	1k	RR		BL	5900	10		DEKALB Monsanto Canada Inc.
Arva	F			Y	5300	27*		Advantage Seed Growers
Colin				Y	5200	5		Hyland Seeds, Div. of Thompsons Ltd.
29-02R	1k	RR	2900	BR	6500	6		DEKALB Monsanto Canada Inc.
5140RR	1k	RR		BR	5700	8		Dow AgroSciences Canada Inc.
91B33	1k	RR		BR	5900	3		Pioneer Hi-Bred Ltd.
91M30	1k	RR		GR	6400	15*		Pioneer Hi-Bred Ltd.
ADV Cadet	F			Y	4300	na		Advantage Seed Growers
OAC Huron	F			Y	4500	5		Huron Commodities Inc.
PRO 2895R		RR		IY	5500	11		PRO Seeds of Canada
Tucker RR		RR		BL	6200	8		C&M Seeds
91M70	1k	RR		BR	6900	9*		Pioneer Hi-Bred Ltd.
PS 78	F			Y	5400	9		Pride Seeds
RC1703	1k	RR		Y	5400	10*		Croplan Genetics/The Agromart Group
RT1784A	1k	RR		BR	5800	4*		Croplan Genetics/The Agromart Group
91M60	1c	RR	2950	BL	6400	3*		Pioneer Hi-Bred Ltd.
91M91	SCN 1k	RR		BR	6500	6*		Pioneer Hi-Bred Ltd.
AG1901	1k	RR		BL	6800	3		DEKALB Monsanto Canada Inc.
FS2950R		RR		GR	5400	5		SeCan
HDC 1600T	F			Y	5200	na		Hensall District Co-op Inc
Katrina				IY	5100	5		PRO Seeds of Canada
PRO 29RSCN	SCN 1k	RR		BL	6500	3		PRO Seeds of Canada
RC1820	1k	RR		IBL	6500	5*		Croplan Genetics/The Agromart Group
RS1498				BR	5800	na		Country Farm Seeds Ltd.
RT1992		RR		LBR	6200	5*		Croplan Genetics/The Agromart Group
S18-Y4	SCN 1c			Y	5500	2*		Syngenta Seeds Canada, Inc.
Irwin	F			Y	5200	na		AGROMART Processing Company Inc.
PRO 2915R		RR		BL	6000	na		PRO Seeds of Canada
RR Rochester		RR		BR	6100	5		Hyland Seeds, Div. of Thompsons Ltd.
S19-K8	1c			Y	5400	4*		Syngenta Seeds Canada, Inc.
92M02	1k	RR	3000	BR	6200	7*		Pioneer Hi-Bred Ltd.
92M10	1c			Y	6700	4		Pioneer Hi-Bred Ltd.
Leo	F			Y	3900	na		PRO Seeds of Canada
RCAT MiRRa		RR		IY	5900	2		SeCan
RS199RR	1k	RR		B	6600	4		Country Farm Seeds Ltd.
S 19-90	1c			GR	5500	na		Syngenta Seeds Canada, Inc.
S20-F8	1c			Y	5900	na		Syngenta Seeds Canada, Inc.
SG1911NRR	SCN	RR		IBL	5700	6		Pride Seeds
Sherwin	SCN			Y	5200	4		Hyland Seeds, Div. of Thompsons Ltd.
30-07R	SCN 1k	RR		IBL	6400	4		DEKALB Monsanto Canada Inc.
RR Respond	SCN	RR		BL	6700	4		Hyland Seeds, Div. of Thompsons Ltd.
30-06R	1k	RR	3050	BL	6400	6		DEKALB Monsanto Canada Inc.
Claremont				Y	5100	3		Hyland Seeds, Div. of Thompsons Ltd.
Inwoodvinton	F HP 1k			Y	5400	6		Inwood Seed & Grain Ltd.
OAC Kent				Y	4900	7		SeCan
PRO 3095R	1k	RR		IY	6600	7		PRO Seeds of Canada
RC2220	1k	RR		LBR	6800	5*		Croplan Genetics/The Agromart Group
RCAT Harwich				Y	6500	3		SeCan

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Variety	Notes	Herbicide Reaction	Heat Unit Grouping	Hilum Colour	Seeds per Kg	Phytophthora Root Rot % Plant Loss**	Seed Supply	Distributor
RCAT Pinehurst	F		3050	Y	6000	5		SeCan
RS2297C	SCN 1k			IBL	5900	na		Country Farm Seeds Ltd.
Sinclair	SCN			BL	5100	5		Hyland Seeds, Div. of Thompsons Ltd.
Carter				Y	6200	5		Hyland Seeds, Div. of Thompsons Ltd.
X790P	F HP			Y	4300	na		Hensall District Co-op Inc
5211RR	1k	RR	3100	BL	7000	6		Dow AgroSciences Canada Inc.
92B38		RR		BR	6100	12		Pioneer Hi-Bred Ltd.
92M33	SCN	RR		BR	6400	6*		Pioneer Hi-Bred Ltd.
Harovinton	F			Y	4500	na		Maple Leaf Foods Inc
RR Krypton	SCN 1c	RR		BL	7000	6		Maizex Seeds Inc.
RR Oxygen		RR		BL	6600	10		Maizex Seeds Inc.
RR Rodney		RR		BL	6500	2		Hyland Seeds, Div. of Thompsons Ltd.
RT2333	1a	RR		BF	6900	9*		Croplan Genetics/The Agromart Group
TSURU	F HP			Y	4400	na		SG Ceresco, Inc.
92M52	SCN 1k	RR		BL	6200	9*		Pioneer Hi-Bred Ltd.
92M61	SCN	RR		BF	7200	7*		Pioneer Hi-Bred Ltd.
Clancy				Y	5500	17		Hyland Seeds, Div. of Thompsons Ltd.
31-04R	SCN 1c	RR	3150	BL	6800	3		DEKALB Monsanto Canada Inc.
31-52R	SCN	RR		BL	6400	na		DEKALB Monsanto Canada Inc.
92M74	SCN 1c	RR		BR	6100	9*		Pioneer Hi-Bred Ltd.
ADV Rescuer RR	1k	RR		BL	6000	4		Advantage Seed Growers
PRO 30-05	F			IY	5200	7		PRO Seeds of Canada
PRO 3195R		RR		BR	6300	15		PRO Seeds of Canada
PS 88 RR		RR		BL	6400	8*		Pride Seeds
RCAT 22R1		RR		BL	6400	7	LS	SeCan
RCAT Dover				BL	7000	na	LS	SeCan
RR Renwick		RR		BL	6400	7		Hyland Seeds, Div. of Thompsons Ltd.
RS2595	1k			BL	6500	na		Country Farm Seeds Ltd.
RT2442	1k	RR	3150	IBL	6600	2*		Croplan Genetics/The Agromart Group
S25-D3	1c			Y	4800	na		Syngenta Seeds Canada, Inc.
92M70	SCN	RR		BF	7400	6		Pioneer Hi-Bred Ltd.
HL 97	F			Y	4800	na		Hyland Seeds, Div. of Thompsons Ltd.
32-04R	SCN 1c	RR	3200	BL	6600	12*		DEKALB Monsanto Canada Inc.
92M72	1k			BL	6200	5		Pioneer Hi-Bred Ltd.
92M75	SCN 1k	RR		BL	5800	8*		Pioneer Hi-Bred Ltd.
Adam	F HP 1k			IY	5000	5*		Inwood Seed & Grain Ltd.
ADV Roar		RR		BR	6800	5*		Advantage Seed Growers
ADV Rocket RR		RR		BR	7100	6		Advantage Seed Growers
CF2603RN	SCN 1c	RR		BL	6600	5		Country Farm Seeds Ltd.
ISG2800F	HP			BL	5200	na		Inwood Seed & Grain Ltd.
Natto 3	F			Y	13200	na		Agworks Inc.
RCAT Ruthven	SCN			Y	7100	7		SeCan
RT2533		RR		IBL	5800	12*		Croplan Genetics/The Agromart Group
SC Starfield				Y	6400	14		SeCan
32-03R	SCN 1c	RR	3250	BL	7700	3		DEKALB Monsanto Canada Inc.
32-51R	SCN 1a	RR		BL	6600	13*		DEKALB Monsanto Canada Inc.
32-52R	SCN 1k	RR		IBL	6200	6*		DEKALB Monsanto Canada Inc.
5N262RR	SCN	RR		BL	6100	5		Dow AgroSciences Canada Inc.
92M91	1k	RR		BL	6400	3		Pioneer Hi-Bred Ltd.
PS 96 NRR	SCN	RR		IBL	6300	13		Pride Seeds
RC2723	1c	RR		IBL	7000	5*		Croplan Genetics/The Agromart Group
RR Lithium	SCN 1c	RR		IBL	7000	5		Maizex Seeds Inc.
93M13	SCN 1k	RR	3300	BL	6100	7*		Pioneer Hi-Bred Ltd.
RC2832		RR		BL	6800	12*		Croplan Genetics/The Agromart Group
RC2906	1k	RR		IBL	7200	4*		Croplan Genetics/The Agromart Group
RC3125	1k	RR	3350	IBL	6000	7*		Croplan Genetics/The Agromart Group

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

NOTES:

F - Food Soybean
HP - High Protein
SCN - SCN Resistant
1a, 1c, etc. - Phytophthora resist. genes

Herbicide Reaction
RR - Roundup Ready
STS - Sulfonylurea Toleran

Seed Availability
LS - Limited Supply
NA - Not Available

TEST LOCATIONS & SOIL TYPES - 2006 TRIALS

Location	Table	Heat Unit Rating	Soil Type	Row Width (cm)	Seeding Rate (plant/ac)	Co-operator
Dundalk	2	2400	silt loam	35	200,000	Ed Jack
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, Ottawa
Brussels	3	2650	loam	38	200,000	Peel Farms
Winchester	3 & 4	2825	clay loam	35	200,000	Kemptville Campus, U of Guelph
St. Paul's	4	2900	clay loam	35	200,000	Bernard Murray
Woodstock	4	2700	clay loam	35	200,000	Bob Hart
Exeter	4	2800	clay loam	35	200,000	Bill Essery
Talbotville	5	2900	clay loam	35	200,000	Tom Oegema
Ridgetown	5	3250	clay loam	43	160,000	Ridgetown Campus, U of Guelph
Inwood	5	3050	clay	43	200,000	Tom Lassaline
Palmyra	5	3100	clay	43	200,000	Chris Quinton
Merlin	6	3300	clay	43	200,000	Grant Guy
Woodslee	6	3400	clay	46	200,000	Research Centre, AAFC, Harrow
Chatham	6	3300	clay loam	43	160,000	Stan Wonnacott
Malden	6	3500	clay loam	46	185,000	Research Centre, AAFC, Harrow

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

Variety	Days to Mature	Yield Index (%) Dundalk 2yr	Elora 2yr	Elora 3yr	Renfrew 1yr	Average 2yr	Average 3yr	Plant Height (cm)	Lodging 1=standing 5=flat
DrakoRR	100	96	101	**98**	102	100	**98**	76	1.2
PS 26 RR	101	97	81	**84**	97	87	**90**	70	1.1
Montcalm	102	106	102	**105**	97	101	**104**	79	1.0
25-04R	105	102	112	**109**	107	110	**106**	80	1.1
RR Regency	105	104	105	**108**	96	102	**105**	79	1.1
5B008RR	106	93	92	**94**	95	93	**94**	78	1.0
OlexRR	108	102	102	**103**	105	103	**103**	79	1.0
90M01	110	--	106	**--**	100	105	**--**	77	1.0
Average yield (T/ha)		3.14	3.17	**3.20**	2.66	2.86	**3.09**		
(bu/ac)		46.6	47.0	**47.4**	39.4	42.4	**45.8**		

TABLE 2.2 AGRONOMIC DATA AT 2300-2500 HEAT UNIT AREAS (CONV/FOOD VARIETY TEST)

Variety	Days to Mature	Yield Index (%) Dundalk 2yr	Elora 2yr	Elora 3yr	Renfrew 1yr	Average 2yr	Average 3yr	Plant Height (cm)	Lodging 1=standing 5=flat
90A01	98	88	80	**83**	81	83	**84**	65	1.0
S00-Z1	102	--	99	**--**	83	94	**--**	75	1.0
OAC Carman	106	99	101	**101**	102	101	**100**	85	1.3
PRO 25-53	107	109	105	**104**	108	109	**106**	83	1.4
OAC Gretna	108	87	98	**96**	108	97	**94**	78	1.1
Phoenix	108	107	109	**107**	114	108	**107**	75	1.1
OAC Ayton	109	110	107	**109**	103	107	**108**	75	1.3
Average yield (T/ha)		3.22	3.46	**3.41**	2.83	3.09	**3.26**		
(bu/ac)		47.7	51.3	**50.6**	42.0	45.8	**48.4**		

Notes: Dundalk 2 yr average includes data from 2004 and 2005 trials only.
Renfrew 1 yr average includes data from 2005 trials only.

Testing Locations: Table 2

Dundalk	2004	2005	--
Elora	2004	2005	2006
Renfrew	--	2005	--

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

Variety	Days to Mature	Yield Index (%) Brussels 2yr	Elora 2yr	Elora 3yr	Ottawa 2yr	Ottawa 3yr	Winchester 2yr	Winchester 3yr	Average 2yr	Average 3yr	Plant Height (cm)	Lodging 1=standing 5=flat
PS 35 RR	107	88	91	**95**	89	**91**	91	**95**	90	**93**	99	1.8
90M20	107	87	92	**92**	103	**99**	91	**89**	93	**92**	86	1.4
90M01	108	--	89	**--**	101	**--**	94	**--**	94	**--**	87	1.8
Belle RR	108	--	91	**--**	100	**--**	94	**--**	94	**--**	87	1.6
DKB00-99	108	99	98	**100**	90	**94**	101	**105**	97	**100**	105	2.1
26-02R	109	98	94	**99**	90	**93**	90	**93**	93	**96**	98	1.8
RT0411	109	--	91	**--**	97	**--**	100	**--**	96	**--**	92	1.1
Banco RR	109	98	96	**96**	92	**93**	96	**93**	95	**95**	99	2.3
PS 46 RR	110	102	101	**103**	98	**101**	102	**107**	101	**104**	90	1.2
RT0395	111	102	101	**101**	105	**104**	107	**106**	104	**103**	105	1.6
26-54R	111	--	96	**--**	96	**--**	101	**--**	98	**--**	97	1.7
RR React	111	102	108	**108**	103	**104**	107	**104**	105	**105**	97	1.7
PRO 2690R	112	97	95	**99**	94	**95**	97	**98**	96	**98**	98	1.8
90M60	112	98	102	**102**	102	**105**	98	**101**	100	**102**	93	1.3
Lanark	112	108	93	**94**	99	**100**	94	**95**	97	**98**	102	2.5
90M40	112	--	109	**--**	102	**--**	106	**--**	105	**--**	94	1.6
2702R	113	102	99	**99**	97	**100**	101	**103**	100	**101**	104	1.8
ADV Runaway RR	113	--	108	**--**	101	**--**	94	**--**	101	**--**	99	2.3
OAC Raptor	113	97	99	**100**	96	**99**	101	**105**	99	**100**	99	1.7
LynxRR	113	105	108	**108**	113	**112**	111	**110**	110	**109**	95	1.2
DKB06-52	113	100	104	**104**	96	**100**	93	**98**	97	**100**	98	2.0
RT0611	113	--	108	**--**	105	**--**	105	**--**	105	**--**	98	1.4
5B060RR	114	100	94	**95**	93	**97**	87	**85**	92	**94**	109	2.1
PRO 2795R	114	98	101	**104**	93	**98**	95	**95**	96	**99**	106	2.1
27-07R	114	--	102	**--**	102	**--**	105	**--**	102	**--**	101	1.2
90B73	115	102	100	**99**	97	**98**	102	**102**	101	**100**	105	2.1
ADV Renegade RR	115	97	70	**82**	91	**93**	86	**91**	85	**90**	100	1.9
ADV Rascal RR	115	105	107	**104**	96	**99**	100	**100**	102	**102**	93	2.0
28-03R	116	--	121	**--**	110	**--**	113	**--**	115	**--**	108	2.0
RT0541	116	--	95	**--**	101	**--**	96	**--**	97	**--**	101	1.9
PS 56 RR	117	103	103	**105**	101	**104**	110	**111**	103	**106**	108	1.7
Karlo RR	118	--	106	**--**	105	**--**	107	**--**	106	**--**	94	1.4
27-51R	118	102	105	**104**	107	**108**	103	**107**	105	**106**	98	1.9
RR Razor	120	111	110	**106**	114	**113**	109	**108**	111	**109**	104	1.7
ADV0405R	123	--	114	**--**	121	**--**	114	**--**	114	**--**	92	1.5
Average yield (T/ha)		3.84	3.39	**3.50**	3.22	**3.11**	4.12	**3.73**	3.69	**3.52**		
(bu/ac)		56.9	50.3	**51.9**	47.8	**46.2**	61.2	**55.3**	54.7	**52.2**		

TABLE 3.2 AGRONOMIC DATA AT 2500-2800 HEAT UNIT AREAS (CONV/FOOD VARIETY TEST)

Variety		Days to Mature	Yield Index (%) Brussels 2yr	Elora 2yr	Elora 3yr	Ottawa 2yr	Ottawa 3yr	Winchester 2yr	Winchester 3yr	Average 2yr	Average 3yr	Plant Height (cm)	Lodging 1=standing 5=flat
Kamichis	F	109	--	87	**90**	86	**86**	93	**93**	86	**88**	90	1.3
PS 36		110	89	96	**95**	95	**96**	95	**96**	94	**95**	103	2.2
Connor		110	98	97	**100**	94	**95**	106	**103**	99	**100**	93	1.9
ADV Windfall	F	110	92	102	**102**	105	**100**	104	**104**	102	**100**	90	1.5
PRO 26-53		111	101	104	**105**	108	**105**	94	**98**	101	**103**	88	1.8
Auriga		112	96	108	**106**	107	**106**	97	**99**	104	**102**	94	1.5
HDC Maitland	F	113	--	81	**--**	76	**--**	77	**--**	76	**--**	93	2.8
Sierra	F	113	--	101	**97**	92	**91**	104	**100**	96	**94**	96	1.8
Venus	F	113	92	95	**95**	99	**98**	101	**101**	98	**97**	101	1.7
S05-T6		113	--	104	**--**	113	**--**	112	**--**	109	**--**	100	1.8
OAC Lakeview		114	106	108	**107**	102	**105**	110	**106**	108	**106**	94	2.3
OAC Champion	F	114	100	97	**98**	92	**95**	97	**101**	95	**99**	98	2.2
OAC Bayfield		114	98	105	**103**	103	**104**	102	**105**	103	**103**	92	1.9
DH 3604	F	114	--	94	**83**	76	**75**	85	**70**	83	**75**	97	2.9
S03-W4		114	101	103	**101**	102	**104**	106	**106**	104	**104**	96	1.5
CF0804		115	103	96	**98**	108	**106**	100	**95**	102	**100**	100	1.8
CF0703	F	116	101	102	**102**	104	**104**	106	**105**	105	**104**	104	2.1
Dundas		116	100	105	**104**	104	**102**	104	**103**	105	**103**	95	1.7
Madison		117	111	102	**102**	113	**112**	105	**107**	108	**108**	92	2.1
Turbo		117	104	103	**102**	102	**101**	99	**100**	102	**102**	95	2.3
PRO 275		118	109	102	**104**	109	**106**	102	**105**	107	**106**	93	1.6
OAC 01-26	F	118	99	108	**105**	105	**104**	98	**100**	104	**102**	96	1.9
HDC 2701	F	118	--	91	**92**	91	**89**	90	**89**	88	**88**	96	1.8
OAC Wallace		119	100	111	**108**	115	**115**	113	**114**	111	**110**	96	1.5
Average yield (T/ha)			3.91	3.49	**3.63**	3.45	**3.29**	3.95	**3.62**	3.73	**3.57**		
(bu/ac)			58.1	51.8	**53.8**	51.1	**48.8**	58.6	**53.7**	55.3	**53.0**		

Notes: F = Food type soybean

Brussels 2 yr average includes data from 2004 and 2005 trials only.

Testing Locations: Table 3

Brussels	2004	2005	--
Elora	2004	2005	2006
Ottawa	2004	2005	2006
Winchester	2004	2005	2006

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

Variety	Days to Mature	Yield Index (%) Exeter 2yr	Exeter 3yr	St. Pauls 2yr	St. Pauls 3yr	Winchester 2yr	Winchester 3yr	Woodstock 2yr	Woodstock 3yr	Average 2yr	Average 3yr	Plant Height (cm)	Lodging 1=standing 5=flat
90M91	114	98	--	99	--	100	--	96	--	99	--	97	1.4
28-03R	116	99	--	99	--	109	--	97	--	101	--	102	1.5
ADV Rascal RR	116	95	**96**	95	**94**	88	**93**	91	**92**	92	**94**	89	1.5
RT0899	116	93	--	92	--	91	--	94	--	93	--	99	1.1
28-51R	117	93	--	96	--	93	--	92	--	94	--	100	1.6
RT0995	117	105	--	105	--	106	--	104	--	105	--	99	1.6
91B33	117	100	**98**	93	**93**	96	**94**	98	**97**	97	**96**	88	1.4
RT1004	118	103	--	104	--	98	--	96	--	100	--	92	1.2
RR Ricochet	118	100	**102**	93	**96**	94	**94**	100	**100**	97	**98**	91	1.3
91M30	118	103	--	94	--	95	--	100	--	98	--	85	1.3
29-02R	119	101	**100**	100	**103**	101	**102**	103	**103**	101	**102**	99	1.5
91M51	119	101	**98**	99	**95**	97	**94**	100	**97**	100	**96**	91	1.1
PRO 2995R	119	98	**101**	101	**100**	97	**103**	102	**102**	99	**102**	108	1.4
5140RR	119	99	**101**	99	**98**	94	**92**	100	**99**	98	**98**	92	1.2
RCAT MatRix	119	106	**105**	114	**111**	107	**113**	106	**105**	108	**108**	99	1.8
Kaprio RR	119	98	**98**	89	**93**	102	**103**	100	**101**	97	**99**	94	1.1
RR Razor	120	99	**99**	103	**100**	95	**99**	106	**104**	101	**100**	97	1.4
ADV0405R	121	103	--	101	--	106	--	103	--	103	--	91	1.3
FS2950R	121	97	**98**	103	**103**	103	**107**	101	**100**	101	**102**	105	1.5
28-52R	121	97	**100**	98	**104**	102	**100**	100	**101**	99	**101**	98	1.5
PRO 2895R	121	103	**103**	99	**98**	97	**99**	97	**98**	99	**100**	102	1.7
Vaudreuil RR	122	103	--	101	--	111	--	108	--	106	--	96	1.3
1633RR	122	103	**102**	101	**100**	101	**101**	100	**101**	101	**101**	96	1.5
RC1703	123	96	--	100	--	98	--	98	--	98	--	96	1.3
PS 76 RR	123	99	**100**	108	**107**	98	**100**	102	**102**	102	**102**	104	1.8
RT1784A	124	108	--	105	--	112	--	108	--	108	--	96	1.3
RR Rochester	126	99	**98**	108	**104**	107	**106**	98	**99**	103	**102**	102	2.0
Average yield (T/ha)		4.16	**3.95**	3.95	**4.11**	4.14	**3.72**	4.25	**4.13**	4.12	**3.98**		
(bu/ac)		61.7	**58.5**	58.5	**60.9**	61.4	**55.2**	63.1	**61.3**	61.2	**59.0**		

TABLE 4.2 AGRONOMIC DATA AT 2700-2900 HEAT UNIT AREAS (CONV/FOOD VARIETY TEST)

Variety		Days to Mature	Yield Index (%) Exeter 2yr	Exeter 3yr	St. Pauls 2yr	Winchester 2yr	Winchester 3yr	Woodstock 2yr	Woodstock 3yr	Average 2yr	Average 3yr	Plant Height (cm)	Lodging 1=standing 5=flat
SK214	F	111	--	--	--	70	--	75	--	77	--	99	2.4
HDC Maitland	F	112	--	--	--	60	--	67	--	66	--	85	2.5
OAC Bayfield		112	97	**97**	94	98	**103**	96	**94**	98	**98**	90	1.9
S12-C2		113	97	**99**	92	105	**104**	99	**97**	100	**100**	90	1.3
Dundas		113	95	**97**	98	88	**91**	97	**100**	95	**98**	91	1.4
Amasa	F	113	92	**92**	99	97	**97**	93	**92**	95	**96**	100	1.4
Colby		113	111	**110**	104	98	**98**	108	**107**	108	**106**	95	1.6
RCAT Corbett		114	101	**101**	105	98	**98**	106	**103**	104	**103**	95	1.6
S08-80		114	95	**94**	97	100	**98**	95	**98**	98	**98**	97	1.5
91M10		115	97	**98**	102	105	**100**	106	**104**	103	**102**	92	1.1
HDC 2701	F	115	--	--	--	84	**89**	85	**85**	84	**83**	93	1.7
OAC Wallace		115	99	**99**	97	105	**109**	102	**101**	103	**103**	95	1.5
Jutra	F	116	93	**94**	96	98	**99**	100	**98**	99	**98**	95	1.5
Athos		117	--	--	--	107	--	107	--	103	--	94	1.4
Arva	F	118	98	--	--	109	**99**	105	**99**	105	**98**	98	1.4
ADV108	F	119	94	--	--	114	**103**	107	**103**	107	**102**	89	1.9
S12-A5		119	99	**100**	106	114	**109**	116	**111**	110	**108**	96	1.5
Colin		119	109	**108**	107	96	**90**	109	**108**	108	**105**	93	1.9
Hudson		120	104	**105**	107	92	**92**	105	**105**	104	**104**	94	1.8
S14-P6		120	--	--	--	114	**107**	95	**93**	101	**96**	92	1.5
HDC 1600T	F	121	--	--	--	117	**106**	105	**102**	111	**104**	90	1.6
PS 73		121	108	**107**	101	107	**105**	110	**108**	109	**107**	105	1.6
PS 78	F	121	94	**90**	87	104	**96**	103	**98**	100	**94**	119	1.6
OAC Prodigy		122	106	**103**	96	110	**110**	103	**101**	107	**104**	95	1.4
ADV Cadet	F	122	--	--	--	100	--	99	--	96	--	109	1.9
Ventrm	F	123	--	--	--	94	**93**	95	**91**	93	**88**	99	1.8
Belmont		124	104	**104**	103	106	**104**	111	**109**	107	**106**	108	1.4
Katrina		126	106	**104**	109	114	**114**	116	**113**	113	**111**	108	1.5
Leo	F	131	--	--	--	94	**88**	85	**78**	86	**80**	102	2.3
Average yield (T/ha)			4.32	**4.26**	4.38	3.75	**3.54**	4.01	**4.01**	3.99	**3.96**		
(bu/ac)			64.1	**63.1**	64.9	55.6	**52.5**	59.5	**59.5**	59.2	**58.8**		

Notes: F = Food type soybean

St. Pauls 2 yr conventional/food average includes data from 2004 and 2005 trials only.

Testing Locations: Table 4

Exeter	2004	2005	2006	
St. Pauls	2004	2005	2006	(2006 RR Only)
Winchester	2004	2005	2006	
Woodstock	2004	2005	2006	

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

		Yield Index (%)											
		Clay					Loam					Plant	Lodging
	Days to	Inwood		Palmyra		Clay	Ridgetown		Talbotville		Loam	Height	1=standing
Variety	Mature	2yr	3yr	2yr	3yr	Avg	2yr	3yr	2yr	3yr	Avg	(cm)	5=flat
91M60	111	97	--	95	--	--	95	--	90	--	--	80	1.3
PRO 29RSCN	112	88	--	89	--	--	87	--	90	--	--	85	1.2
91M70	113	95	--	100	--	--	96	--	87	--	--	87	1.2
91M91	113	96	--	101	--	--	94	--	96	--	--	88	1.4
RC1820	114	100	--	104	--	--	102	--	103	--	--	82	1.0
SG1911NRR	115	89	**92**	89	**89**	**90**	91	**92**	91	**90**	**91**	97	1.7
AG1901	115	93	**96**	95	**96**	**96**	94	**95**	87	**88**	**92**	98	1.5
92M02	116	106	--	105	--	--	105	--	94	--	--	82	1.1
RS199RR	116	98	**96**	98	**100**	**98**	99	**98**	98	**97**	**98**	86	1.2
30-07R	117	110	**109**	101	**101**	**105**	102	**105**	109	**107**	**106**	88	1.0
RC2220	117	94	--	102	--	--	105	--	107	--	--	90	1.1
RR Respond	117	101	**101**	93	**98**	**99**	99	**99**	96	**96**	**97**	91	1.3
30-06R	117	101	**101**	96	**98**	**100**	104	**104**	104	**103**	**104**	88	1.6
RR Rodney	118	103	**100**	107	**105**	**103**	102	**101**	101	**102**	**102**	90	1.1
RCAT MiRRa	118	98	**99**	106	**102**	**101**	103	**102**	98	**95**	**99**	99	1.5
RT1992	119	107	--	107	--	--	108	--	110	--	--	83	1.1
RT2333	119	110	--	96	--	--	102	--	106	--	--	93	1.6
92B38	119	108	**106**	95	**99**	**103**	101	**102**	99	**100**	**101**	93	1.2
5211RR	119	103	**103**	101	**101**	**102**	97	**98**	99	**100**	**99**	91	1.4
31-04R	119	95	**97**	94	**95**	**96**	102	**101**	103	**102**	**101**	95	1.3
RR Krypton	119	105	**103**	103	**102**	**102**	96	**94**	101	**101**	**97**	94	1.4
RCAT 22R1	121	100	**99**	106	**104**	**102**	101	**100**	100	**99**	**99**	90	1.0
RR Oxygen	121	101	**101**	100	**99**	**100**	102	**102**	110	**107**	**105**	90	1.2
RT2442	121	102	--	100	--	--	104	--	102	--	--	101	1.6
ADV Rescuer RR	121	98	**97**	102	**103**	**100**	104	**102**	101	**102**	**102**	90	1.1
PRO 3095R	122	97	**94**	107	**103**	**99**	109	**103**	108	**106**	**104**	82	1.0
PS 88 RR	122	103	--	106	--	--	100	--	105	--	--	100	1.5
CF2603RN	122	103	**105**	103	**103**	**104**	98	**101**	105	**105**	**103**	96	1.1
Average yield (T/ha)		3.18	**3.17**	2.86	**3.16**	**3.16**	4.50	**4.33**	4.20	**4.06**	**4.19**		
(bu/ac)		47.1	**47.0**	42.5	**46.9**	**46.9**	66.8	**64.2**	62.2	**60.2**	**62.2**		

TABLE 5.2 AGRONOMIC DATA AT 2900-3300 HEAT UNIT AREAS (CONV/FOOD VARIETY TEST)

			Yield Index (%)											
			Clay					Loam					Plant	Lodging
		Days to	Inwood		Palmyra		Clay	Ridgetown		Talbotville		Loam	Height	1=standing
Variety		Mature	2yr	3yr	2yr	3yr	Avg	2yr	3yr	2yr	3yr	Avg	(cm)	5=flat
S18-Y4		112	90	**99**	99	--	**95**	96	**102**	98	--	**105**	83	1.3
S19-K8		112	102	**100**	95	--	**95**	102	**109**	101	--	**111**	84	1.2
HDC 1600T	F	112	100	**102**	--	--	**103**	121	**122**	--	--	**111**	78	1.0
OAC Huron	F	113	102	**104**	99	**98**	**102**	101	**98**	100	**101**	**101**	82	1.3
Irwin	F	114	106	**103**	--	--	**102**	93	**98**	--	--	**94**	88	1.1
Inwoodvinton	F	115	92	**93**	94	**93**	**94**	90	**88**	90	**89**	**90**	93	1.6
Katrina		115	95	--	--	--	--	99	--	--	--	--	93	1.4
Sherwin		116	105	**103**	109	**109**	**107**	108	**107**	107	**105**	**108**	84	1.5
Claremont		116	90	**91**	94	**94**	**94**	98	**97**	98	**99**	**99**	83	1.1
RCAT Harwich		116	93	**94**	102	**99**	**97**	99	**95**	93	**97**	**98**	97	1.5
RCAT Pinehurst	F	118	97	**101**	104	**104**	**103**	111	**106**	102	**101**	**105**	92	1.6
Harovinton	F	118	96	**94**	--	--	**91**	83	**88**	--	--	**88**	95	2.0
PRO 30-05	F	118	102	**100**	101	**102**	**102**	99	**100**	102	**101**	**103**	94	1.3
Sinclair		119	96	**96**	94	**95**	**96**	96	**93**	98	**100**	**98**	96	1.4
OAC Kent	F	119	104	**101**	105	**101**	**102**	101	**99**	104	**103**	**103**	92	1.5
92M10		119	106	**103**	104	**104**	**104**	105	**103**	107	**104**	**105**	94	1.2
X790P	F	119	97	**93**	--	--	**94**	89	**87**	--	--	**85**	90	1.7
Leo	F	119	99	**96**	--	--	**97**	95	**94**	--	--	**89**	91	1.3
TSURU	F	120	105	**105**	--	--	**107**	108	**108**	--	--	**104**	94	1.4
S25-D3		122	111	**109**	--	--	**106**	101	**102**	--	--	**102**	103	1.7
HL 97	F	123	114	**111**	--	--	**109**	106	**105**	--	--	**100**	102	1.6
Average yield (T/ha)			3.04	**3.28**	3.07	**3.38**	**3.30**	4.56	**4.56**	4.34	**4.13**	**4.27**		
(bu/ac)			45.1	**48.6**	45.5	**50.2**	**49.0**	67.7	**67.6**	64.4	**61.3**	**63.3**		

Notes: F = Food type soybean

Talbotville Conv/Food data revised on February 1, 2007

Testing Locations: Table 5

Inwood	2004	2005	2006
Palmyra	2004	2005	2006
Ridgetown	2004	2005	2006
Talbotville	2004	2005	2006

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

		Yield Index (%)											
		Clay					Loam					Plant	Lodging
	Days to	Merlin		Woodslee		Clay	Chatham		Malden		Loam	Height	1=standing
Variety	Mature	2yr	3yr	2yr	3yr	Avg	2yr	3yr	2yr	3yr	Avg	(cm)	5=flat
RCAT MiRRa	116	89	--	97	--	--	96	--	96	--	--	96	1.2
RCAT 22R1	116	91	**97**	89	**96**	**96**	92	**95**	85	**91**	**93**	88	1.0
92M33	116	101	--	91	--	--	108	--	103	--	--	93	1.1
PRO 3195R	117	88	**91**	93	**95**	**93**	95	**96**	97	**104**	**101**	90	1.1
92B38	117	99	**100**	95	**100**	**100**	107	**107**	100	**103**	**105**	95	1.1
CF2603RN	118	99	**104**	92	**97**	**100**	99	**102**	99	**102**	**102**	96	1.0
92M52	118	99	--	106	--	--	102	--	104	--	--	92	1.1
RR Renwick	119	107	**110**	99	**105**	**107**	103	**105**	94	**98**	**101**	94	1.2
32-03R	120	87	**86**	98	**97**	**92**	91	**92**	96	**99**	**95**	98	1.0
ADV Rocket RR	121	105	**107**	98	**104**	**105**	102	**101**	95	**97**	**99**	95	1.2
RT2533	121	100	--	103	--	--	99	--	107	--	--	98	1.3
92M74	121	103	--	110	--	--	111	--	106	--	--	96	1.1
PS 96 NRR	121	96	**98**	98	**99**	**99**	91	**91**	100	**103**	**98**	92	1.1
92M75	121	101	--	102	--	--	103	--	110	--	--	92	1.2
92M61	122	107	--	109	--	--	102	--	103	--	--	94	1.1
32-52R	122	109	--	106	--	--	100	--	100	--	--	106	1.4
5N262RR	122	99	**101**	96	**97**	**99**	102	**102**	94	**99**	**100**	89	1.1
92M70	122	102	**101**	103	**105**	**103**	105	**102**	100	**102**	**102**	92	1.3
32-04R	122	103	--	102	--	--	96	--	98	--	--	100	1.4
ADV Roar	123	100	--	100	--	--	92	--	93	--	--	95	1.2
92M91	123	111	**111**	109	**108**	**109**	112	**111**	107	**109**	**110**	98	1.1
RR Lithium	123	95	**93**	94	**97**	**95**	95	**96**	93	**92**	**94**	91	1.1
RC2906	123	108	--	101	--	--	102	--	96	--	--	98	1.1
32-51R	124	103	--	104	--	--	93	--	102	--	--	94	1.1
RC2723	124	100	--	102	--	--	105	--	108	--	--	98	1.0
RC2832	124	98	--	99	--	--	102	--	99	--	--	96	1.2
93M13	125	98	--	101	--	--	93	--	105	--	--	102	1.1
RC3125	127	101	--	101	--	--	101	--	108	--	--	96	1.2
Average yield (T/ha)		3.46	**3.34**	3.67	**3.79**	**3.56**	3.55	**3.63**	4.72	**4.33**	**3.98**		
(bu/ac)		51.4	**49.5**	54.4	**56.2**	**52.9**	52.7	**53.8**	70.0	**64.2**	**59.0**		

TABLE 6.2 AGRONOMIC DATA AT 3300-3500 HEAT UNIT AREAS (CONV/FOOD VARIETY TEST)

			Yield Index (%)											
			Clay					Loam					Plant	Lodging
		Days to	Merlin		Woodslee		Clay	Chatham		Malden		Loam	Height	1=standing
Variety		Mature	2yr	3yr	2yr	3yr	Avg	2yr	3yr	2yr	3yr	Avg	(cm)	5=flat
Harovinton	F	111	--	--	96	**94**	**91**	82	**87**	77	**81**	**84**	90	2.2
PRO 30-05	F	113	96	**100**	97	**99**	**101**	95	**101**	108	**108**	**104**	89	1.3
Carter		114	88	**88**	98	**98**	**94**	101	**100**	104	**105**	**103**	78	1.2
S25-D3		114	--	--	112	**113**	**113**	102	**105**	93	**95**	**100**	97	1.7
RCAT Pinehurst	F	116	--	--	99	--	--	103	--	108	--	--	89	1.6
OAC Kent	F	116	104	**102**	109	**108**	**106**	107	**104**	109	**110**	**107**	90	1.6
Clancy		116	96	**99**	100	**99**	**100**	103	**102**	111	**111**	**107**	86	1.2
92M10		116	101	**102**	112	**107**	**106**	103	**103**	108	**107**	**105**	93	1.2
HL 97	F	116	--	--	110	**112**	**112**	105	**105**	89	**89**	**96**	97	1.9
Natto 3	F	118	--	--	79	**75**	**70**	81	**80**	67	**65**	**72**	75	1.2
92M72		121	109	**108**	100	**103**	**106**	115	**112**	120	**118**	**115**	92	1.1
SC Starfield		121	103	**102**	93	**97**	**100**	106	**105**	108	**109**	**107**	111	1.4
RCAT Ruthven		123	103	**98**	96	**94**	**97**	98	**96**	97	**103**	**99**	98	2.3
Average yield (T/ha)			3.32	**3.37**	3.63	**3.89**	**3.60**	3.40	**3.65**	4.53	**4.31**	**3.98**		
(bu/ac)			49.3	**49.9**	53.8	**57.7**	**53.3**	50.5	**54.2**	67.2	**63.9**	**59.1**		

Notes: F = Food type soybean

Testing Locations: Table 6

Merlin	2004	2005	2006
Woodslee	2004	2005	2006
Chatham	2004	2005	2006
Malden	2004	2005	2006

TABLE 7. RESISTANT VARIETY PERFORMANCE IN SCN INFESTED FIELDS

	Average of 6 Tests (2004-2006)		Average of 4 Tests (2005-2006)	
Variety	***Days to Maturity***	***Yield Index (%)***	***Days to Maturity***	***Yield Index (%)***
S18-Y4	109	115	106	123
RC1703*	--	--	107	90
SG1911NRR*	112	109	110	99
RC1820*	--	--	111	116
Sherwin	114	127	111	135
30-07R*	114	123	113	112
RR Respond*	115	117	113	104
Sinclair	116	113	113	120
CF2003RN*	--	--	114	106
RC2220*	--	--	114	117
31-04R*	117	121	115	111
92M33*	--	--	116	113
92M50*	119	120	117	110
92M52*	--	--	117	125
32-03R*	121	109	119	104
CF2603RN*	120	117	119	105
92M61*	--	--	119	126
32-04R*	--	--	121	113
5N262RR*	122	117	121	107
PS 96 NRR*	123	121	122	112
92M70*	123	130	122	126
32-51R*	--	--	122	118
32-52R*	--	--	123	117
RC2832*	--	--	124	117
RCAT Ruthven	125	119	124	132
[a]Susceptible Yield Index is:		100%		100%
Susceptible Yield (RR):		3.27 T/ha or 48.5 bu/ac		3.52 T/ha or 52.2 bu/ac
Susceptible Yield (Conv):		3.45 T/ha or 51.2 bu/ac		3.25 T/ha or 48.2 bu/ac

* Roundup Ready (RR) varieties, tested under a RR management system in one test location in 2004 and two in 2005 and 2006.

[a] Susceptible Yield Index is based on three high yielding susceptible varieties.

Test locations had low to moderate SCN infestations (2,000 to >4,000 eggs/100g of soil).

Resistance source is Peking for 92M52, and PI88788 for remaining varieties.

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
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.agrocentrebelcan.com

AGROMART Processing Company Inc.
17554 Plover Mills Road, RR #3
Thorndale, ON N0M 2P0
Tel: 519-635-0740/519-716-2877 Fax: 519-461-9073
www.agromartgroup.com

Agworks Inc.
R.R. # 6, Woodstock, ON N4S 7W1
Tel: 519-537-5157, Fax: 519-537-5169

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. 1-800-449-3990; Fax 519-676-9633
www.countryfarmseeds.com

Croplan Genetics/The Agromart Group
32 Ridgewood Place, Cambridge, ON N1S 4B4
Tel: 519-635-0740
www.agromartgroup.com

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

DG Global Inc.
687 Glengrove Ave. W.
Toronto, ON M6B 2J2
Tel: 416-782-1942, Fax: 416-782-1935
www.dgglobal.ca

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

Hendrick Seeds
RR #1 Inkerman, ON K0E 1J0
Tel: 613-774-3469, Fax: 613-774-0346
www.hendrickseeds.com

Hensall District Co-op Inc
Box 219, 1 Davidson Drive
Hensall, ON N0M 1X0
Tel: 519-262-3002, Fax: 519-262-3412

Huron Commodities Inc.
79 Wellington St., Clinton, ON N0M 1L0
Tel: 519-482-8400 Fax: 519-482-8383
www.huron.com

Hyland Seeds, Div. of Thompsons Ltd.
P.O. Box 250, 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

Maple Leaf Foods Inc
3080 Yonge St., Toronto, ON, M4N 3N1
Tel: 416-480-8965, Fax: 416-544-5008

Mike Snobelen Farms Ltd.
Box 29, 323 Havelock St., Lucknow, ON NOG 2HO
Tel: 519-528-2092 / 1-800-582-5669, Fax: 519-528-3542
Email: jenn@snobelengroup.com
www.snobelengroup.com

Pioneer Hi-Bred Ltd.
Box 730, 7399 Queen's Line, Chatham ON N7M 5L1
Tel: 1-800-265-9435, Fax: 519-380-2014
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

PRO Seeds of Canada
RR #6, Woodstock ON N4S 7W1
Tel: 1-888-537-5157 Fax: 519-533-0773
Email: admin@proseeds.ca

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

Quarry Grain Commodities
Box 1840, 310 1st St W - 2nd Floor
Stonewall, Manitoba R0C 2Z0
Tel: 204-467-8877, Fax: 204-467-7569
www.quarrygrain.com

SeCan
501-300 March Road, Ottawa, ON K2K 2E2
Tel: 866-797-7874, Fax: 613-592-9497
www.secan.com

Seed-link Inc.
P.O. Box 217, 208 St. David St., Lindsay, ON K9V 5Z4
Tel: 705-324-0544 Fax: 705-324-2550
www.seed-link.ca

SG Ceresco, Inc.
166 ch. Grande Ligne, St.-Urbain, PQ, J0S 1Y0
Tel: 450-427-3831, Fax: 450-427-2067

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

GOSoy.ca

Go to **www.GoSoy.ca** for
2007 Yield and Maturity Graphs from OSV report.

ViPP Variety Information & Performance Profile

Oil and Protein information.
Food Soybean Variety Performance Information.
2007 Ontario Soybean Variety Report.