

2016

Ontario Soybean Variety Trials Data Collected 2014-2016

Conducted by the Ontario Soybean And Canola Committee • www.GoSoy.ca

Research conducted and reported by:



Agriculture and
Agri-Food Canada

Agriculture et
Agroalimentaire Canada



UNIVERSITY
of GUELPH



Grain Farmers of Ontario • www.gfo.ca

ONTARIO SOYBEAN AND CANOLA COMMITTEE (OSACC)

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 Grain Farmers of Ontario, OMAF and various agricultural organizations. Tests are conducted each year by AAFC research centres 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**

© (1987) OSACC. Any reproduction of this report must include at least an entire table. Requests for reproduction must be made to:

**Tom Welacky
Soybean Data Coordinator
OSACC
Box 947
Harrow ON NOR 1G0
Email: soyinfo@oopsc.org**

Copyright/Permission to Reproduce

Materials in this Publication were produced and/or compiled by the Ontario Soybean And Canola Committee for the purpose of providing growers with direct access to information about the soybean varieties. The material in this publication is covered by the provisions of the Copyright Act and by Canadian laws and regulations. Such provisions serve to identify the information source and, in specific instances, to prohibit reproduction of materials in part or whole without written permission from the Ontario Soybean And Canola Committee.

2016

Ontario Soybean Variety Trials

Conducted by the Ontario Soybean and Canola Committee • www.GoSoy.ca

Tables

Table 1. Soybean Variety Performance List and Descriptions	2
Table 2a. Agronomic Data at Early Maturity Group 00 (2100-2300 HU) Areas	9
Table 2b. Agronomic Data at Maturity Group 00 (2300-2500 HU) Areas	10
Table 3. Agronomic Data at Maturity Group 0 (2500-2800 HU) Areas	11
Table 4. Agronomic Data at Maturity Group 1 (2700-2900 HU) Areas	13
Table 5. Agronomic Data at Early Maturity Group 2 (2900-3300 HU) Areas	15
Table 6. Agronomic Data at Late Maturity Group 2 (3300-3500 HU) Areas	17
Table 7. Resistant Variety Performance in SCN Infested Fields	19

Reference

Interpretation of Tables and Results	20
Test Locations and Soil Types	21
Soybean Variety Distributors	22
Ontario Soybean Relative Maturity Map	23

Table 1. Soybean Variety Performance List and Descriptions

Variety	Notes	Herbicide Reaction	Relative Maturity*	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot %	Plant Loss**	
Pekko R2		RR2Y	000	BL	5600	22*		Elite Seeds
22-60RY	SCN 1c	RR2Y	000.9	BL	6200	5*		DEKALB
S0009-M2	6	RR2Y	000.9	IY	6200	3*		Syngenta Canada, Inc.
23-60RY		RR2Y	00.2	BL	6100	na		DEKALB
Mahony R2		RR2Y	00.2	IBL	5600	7*		SeCan
P002T04R	1k	RR	00.2	IY	6900	10*		Pioneer Hi-Bred Ltd.
Fjord			00.3	IY	5300	na		SG Ceresco, Inc.
Mcleod R2		RR2Y	00.3	IBL	5300	8*		SeCan
PS 0035 NR2	SCN	RR2Y	00.3	BL	4900	8		PRIDE Seeds
Anser			00.4	IY	4600	14		SG Ceresco, Inc.
Meteor	HP		00.4	IY	4700	9		PROSeeds
24-12RY	1c	RR2Y	00.5	BL	5800	20*		DEKALB
P005T13R	1c	RR	00.5	BR	5700	na		Pioneer Hi-Bred Ltd.
PRO 2525R2		RR2Y	00.5	BL	4900	12		PROSeeds
S007-Y4	1c	RR2Y	00.5	IY	5800	3		Syngenta Canada, Inc.
DH863	HP		00.6	IY	4800	8		PROSeeds
DS0067Z1		RR2Y	00.6	BL	4800	na		Dow Seeds
HS 006RYS24	SCN 1k	RR2Y	00.6	BL	5200	3		Dow Seeds
Misty			00.6	IY	5300	14		PROSeeds
P006T46R	1c	RR	00.6	BR	6000	na		Pioneer Hi-Bred Ltd.
P006T78R	1c	RR	00.6	DBR	5500	12*		Pioneer Hi-Bred Ltd.
Astor		MS	00.7	Y	4400	24		PROSeeds
HS 007RY32	1c, 1k	RR2Y	00.7	BL	5000	14		Dow Seeds
Kendo R2		RR2Y	00.7	IBL	5200	12		Prograin
NSC Austin RR2Y	1c	RR2Y	00.7	Y	5600	5*		Northstar Genetics
NSC Libau RR2Y		RR2Y	00.7	BL	5400	11		Northstar Genetics
NSC Osborne RR2Y	1c	RR2Y	00.7	BL	4900	24		Northstar Genetics
OAC Petrel			00.7	IY	5800	8		SG Ceresco, Inc.
PS 0074 R2		RR2Y	00.7	BR	6300	9		PRIDE Seeds
S00-N6		RR2Y	00.7	BL	6000	12		Syngenta Canada, Inc.
S006-W5	1a, 3a	RR2Y	00.7	IY	6300	9*		Syngenta Canada, Inc.
Astro R2		RR2Y	00.8	BL	5400	13		Prograin
Asuka			00.8	IY	4400	10		Synagri
DH401	HP		00.8	IY	4700	5		PROSeeds
LS 008R21		RR2Y	00.8	BR	5100	7		PROSeeds
OAC Morden			00.8	BF	5000	9*		Huron Commodities Inc.
P008T70R	1k	RR	00.8	IY	5700	8		Pioneer Hi-Bred Ltd.
Akras R2		RR2Y	00.9	BL	5100	5*		Elite Seeds

Table 1. Soybean Variety Performance List and Descriptions, continued...

Variety	Notes	Herbicide Reaction	Relative Maturity*	Hilum Colour	Seeds per Kg	Phytophthora		Seed Supply	Distributor
						Root Rot %	Plant Loss**		
Amadeus			00.9	IY	4900		29		Prograin
Hana			00.9	Y	5000		10		Prograin
Jari			00.9	IY	4900		8		Elite Seeds
PRO 2535R2	1k	RR2Y	00.9	BL	4700		7		PROSeeds
S00-T9	1k	RR2Y	00.9	BL	5000		3		Syngenta Canada, Inc.
S009-J1	3a	RR2Y	00.9	BL	4900		na		Syngenta Canada, Inc.
90Y01	1k	RR	0.0	IY	5400		12		Pioneer Hi-Bred Ltd.
Nordika			0.0	Y	3800		10*		Pedigrain
NSC Jaden RR2Y		RR2Y	0.1	BL	5500		4		Elite Seeds
OAC Madoc			0.1	Y	4500		9*		SeCan
P01T23R	1c	RR	0.1	BR	5300		17		Pioneer Hi-Bred Ltd.
26-14RY		RR2Y	0.2	BL	5800		8*		DEKALB
Hydra R2		RR2Y	0.2	IBL	5200		4		Elite Seeds
Kyoto			0.2	Y	4600		5		Synagri
Narita			0.2	IY	4200		5		Prograin
AAC Shinju	1c		0.3	Y	9200		na		Huron Commodities Inc.
Celebrity	SCN		0.3	IY	5100		5		Hensall District Co-op Inc
CF05GR	SCN	RR2Y	0.3	IY	5700		6		Country Farm Seeds Ltd.
Chikala			0.3	Y	10100		25		Huron Commodities Inc.
DS032R1	1k	RR2Y	0.3	BR	5500		na		Dow Seeds
DS038A1	SCN 1c	RR2Y	0.3	BL	4600		na		Dow Seeds
HS 03RY33		RR2Y	0.3	BL	5000		5		Dow Seeds
RR2 Bronze	1c	RR2Y	0.3	BL	4900		15		Maizex Seeds Inc.
Volta			0.3	BR	5400		16*		Prograin
5A040RR2	1c	RR2Y	0.4	BL	5100		7		Dow Seeds
Auriga			0.4	Y	4700		4		Elite Seeds
DH618			0.4	IY	4700		10		PROSeeds
DS045C0			0.4	IY	4800		8		Dow Seeds
OAC Champion			0.4	IY	4600		8		PROSeeds
OAC Strive			0.4	IY	4300		6		SeCan

NOTES:

***Relative Maturity** - ranking of maturity provided by seed sponsors.

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

1a, 1c, etc. - Phytoph. resist. genes

HP - High Protein

SCN - SCN Resistant

L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready

RR2Y - Roundup Ready 2 Yield

LL - Liberty Link

MS - Metribuzin Sensitive

Seed Supply

LS - Limited Supply

NA - Not Available

Table 1. Soybean Variety Performance List and Descriptions, continued...

Variety	Notes	Herbicide Reaction	Relative Maturity*	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot % Plant Loss**	Seed Supply	
PS 0416 R2	1c	RR2Y	0.4	BL	5600	7		PRIDE Seeds
S04-D3	1c	RR2Y	0.4	BL	5100	6		Syngenta Canada, Inc.
Theo R2		RR2Y	0.4	BL	5400	11		Prograin
CF01GR		RR2Y	0.5	BL	5000	7		Country Farm Seeds Ltd.
Etna			0.5	IY	4600	5		Elite Seeds
Gladiator			0.5	IY	4200	7		PROSeeds
OAC Lakeview			0.5	Y	4700	7		SeCan
P04T10			0.5	IY	4800	20		Pioneer Hi-Bred Ltd.
Taurus			0.5	IY	4500	7		Prograin
27-12RY	1c	RR2Y	0.6	GR	4800	9		DEKALB
AAC Rubicon			0.6	Y	3600	na		SG Ceresco, Inc.
AAC Vireo			0.6	IY	4100	7		SG Ceresco, Inc.
Altitude R2	3a	RR2Y	0.6	BR	4600	14		SeCan
DS064Y1	SCN	RR2Y	0.6	BR	5000	na		Dow Seeds
Factor			0.6	GR	4900	4		PROSeeds
LS06R863	1c	RR2Y	0.6	BL	4900	6*		PROSeeds
Mundo R2		RR2Y	0.6	BR	4900	5		Prograin
OAC Durham			0.6	Y	4300	4		Bramhill Seeds
P06T28R	1k	RR	0.6	BR	5100	6		Pioneer Hi-Bred Ltd.
S06-C4	SCN	RR2Y	0.6	BL	5300	5		Syngenta Canada, Inc.
S07-D2	3a		0.6	Y	4200	2		Syngenta Canada, Inc.
Caballero			0.7	Y	4300	10		PROSeeds
Camaro R2		RR2Y	0.7	BR	6100	3		SeCan
Marula			0.7	Y	4300	6		Prograin
Miko R2		RR2Y	0.7	BR	5000	6*		Prograin
Nagoya			0.7	Y	5100	4*		Synagri
Nitro R2		RR2Y	0.7	BR	4500	10		Prograin
OAC Challenger R2		RR2Y	0.7	BR	4900	5		SeCan
OAC Wallace			0.7	BR	4700	7		SeCan
P05T80			0.7	IY	4400	7		Pioneer Hi-Bred Ltd.
P07T86			0.7	IY	4400	9		Pioneer Hi-Bred Ltd.
PRO 2625R2		RR2Y	0.7	BL	4700	4		PROSeeds
PRO 275			0.7	IY	4700	5		PROSeeds
R2C 0724		RR2Y	0.7	BL	5400	na		Croplan Genetics
RR2 Atlas	SCN 1k	RR2Y	0.7	BL	5400	8*		Maizex Seeds Inc.
27-62RY		RR2Y	0.8	BR	5000	5		DEKALB
5A075RR2	1k	RR2Y	0.8	Y	4400	4		Dow Seeds
CF12GR		RR2Y	0.8	BL	5100	9		Country Farm Seeds Ltd.
CF13GR	1c, 1k	RR2Y	0.8	BL	5300	11		Country Farm Seeds Ltd.
Emperor			0.8	IY	4000	14		PROSeeds

Table 1. Soybean Variety Performance List and Descriptions, continued...

Variety	Notes	Herbicide Reaction	Relative Maturity*	Hilum Colour	Seeds per Kg	Phytophthora		Seed Supply	Distributor
						Root Rot %	Plant Loss**		
HS 08RY51		RR2Y	0.8	Y	4900		2		Dow Seeds
Neptune			0.8	IY	4200		8		PROSeeds
OAC Drayton			0.8	LBR	4800		3		Bramhill Seeds
P08T96R	1c	RR	0.8	BF	4400		na		Pioneer Hi-Bred Ltd.
S07-M8	1c		0.8	IY	4300		4		Syngenta Canada, Inc.
S08-U4	1c	RR2Y	0.8	GR	5000		12		Syngenta Canada, Inc.
90Y90	1c	RR	0.9	BR	5000		3		Pioneer Hi-Bred Ltd.
Absolute RR	1c	RR2Y	0.9	BL	5400		13		SeCan
Black Pearl			0.9	BL	4500		7		Beechwood Agri Services
Havane			0.9	Y	4400		2		SG Ceresco, Inc.
HS 09C02			0.9	Y	4500		5		Dow Seeds
HS 09RYS12	SCN 1c, 1k	RR2Y	0.9	BL	5500		8		Dow Seeds
LS08R760N	SCN 1c, 3a	RR2Y	0.9	BL	4400		na		PROSeeds
OAC Prescott			0.9	GR	4500		6		SeCan
P09T74R2	SCN 1c	RR2Y	0.9	BL	5500		9		Pioneer Hi-Bred Ltd.
Skyline	SCN		0.9	Y	4800		4		PROSeeds
91Y01	1c	RR	1.0	BF	4400		7		Pioneer Hi-Bred Ltd.
Acora	1c		1.0	IY	4400		5		Prograin
CF14GR	SCN 1k	RR2Y	1.0	IBL	4700		9		Country Farm Seeds Ltd.
LC 1070		LL	1.0	BL	4100		na		Croplan Genetics
OAC Eve			1.0	IY	4300		11		SeCan
P10T48R	1c	RR	1.0	BF	4000		na		Pioneer Hi-Bred Ltd.
PRO 2845R2C	SCN 1c	RR2Y	1.0	BL	4800		10		PROSeeds
R2C 1010	1k	RR2Y	1.0	BL	4900		na		Croplan Genetics
CF23GR	1k	RR2Y	1.1	BL	6000		10		Country Farm Seeds Ltd.
Eider			1.1	Y	4400		3		SG Ceresco, Inc.
Katonda R2		RR2Y	1.1		4800		2		Elite Seeds
Kultana R2		RR2Y	1.1	BR	5000		10*		Elite Seeds
Maxo R2		RR2Y	1.1	BR	4700		13		Prograin
PS 1162 R2	1c	RR2Y	1.1	BL	5400		14		PRIDE Seeds

NOTES:

***Relative Maturity** - ranking of maturity provided by seed sponsors.

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

1a, 1c, etc. - Phytoph. resist. genes

HP - High Protein

SCN - SCN Resistant

L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready

RR2Y - Roundup Ready 2 Yield

LL - Liberty Link

MS - Metribuzin Sensitive

Seed Supply

LS - Limited Supply

NA - Not Available

Table 1. Soybean Variety Performance List and Descriptions, continued...

Variety	Notes	Herbicide Reaction	Relative Maturity*	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
						Root Rot %	Plant Loss**	
S10-S1	SCN 1k, 3a	RR2Y	1.1	BR	4800	7*		Syngenta Canada, Inc.
S11-N4	SCN	RR2Y	1.1	BF	5000	6*		Syngenta Canada, Inc.
SVX14T1G1			1.1	Y	4200	3		PROSeeds
CF31GR	SCN 1c	RR2Y	1.2	BL	4800	3		Country Farm Seeds Ltd.
Corvette R2		RR2Y	1.2	IBL	4800	3		SeCan
DH530			1.2	IY	4800	17		PROSeeds
DS124U1	1c	RR2Y	1.2	BL	5100	12*		Dow Seeds
HDC Carlow			1.2	Y	4100	3*		Hensall District Co-op Inc
OAC Adare			1.2	IY	4400	8		Hensall District Co-op Inc
PS 1304 NR2	SCN	RR2Y	1.2	BL	4100	na		PRIDE Seeds
RR2 Galaxy		RR2Y	1.2	BL	5300	8		Maizex Seeds Inc.
S12-H2	SCN 1c	RR2Y	1.2	BL	4400	5		Syngenta Canada, Inc.
Bakara	1c		1.3	IY	4100	4		Prograin
HS 13C38			1.3	Y	4700	8		Dow Seeds
Karra			1.3	Y	4400	8		Prograin
Mateo R2		RR2Y	1.3	BL	4300	5		Prograin
Osaka			1.3	Y	4800	5		Synagri
RR2 Titanium	SCN	RR2Y	1.3	BL	5500	10		Maizex Seeds Inc.
DH4173			1.4	Y	4600	9		PROSeeds
DS143C0			1.4	IY	4800	16		Dow Seeds
HS 11RY07	1c	RR2Y	1.4	BL	5300	10		Dow Seeds
HS 14RYS44	SCN	RR2Y	1.4	BL	4800	18*		Dow Seeds
R2T 1449	1k	RR2Y	1.4	BL	4800	na		Croplan Genetics
S14-A6	SCN 1k	RR2Y	1.4	BL	4400	4*		Syngenta Canada, Inc.
29-62RY	SCN 1c	RR2Y	1.5	BL	4900	11*		DEKALB
5A105RR2	1k	RR2Y	1.5	Y	4400	5		Dow Seeds
HDC Goshen	SCN		1.5	Y	4500	5		Hensall District Co-op Inc
P15T46R2	SCN 1c	RR2Y	1.5	IBL	5000	2*		Pioneer Hi-Bred Ltd.
P15T83R	SCN 1k	RR	1.5	BR	4300	3		Pioneer Hi-Bred Ltd.
91Y61		RR	1.6	BR	4700	16		Pioneer Hi-Bred Ltd.
DH410SCN	SCN		1.6	Y	4700	3		PROSeeds
DH4202			1.6	Y	4300	6		PROSeeds
HDC 1600T			1.6	Y	4800	14		Hensall District Co-op Inc
Mylitta R2		RR2Y	1.6	BR	5300	7		Elite Seeds
OAC Avatar			1.6	Y	4500	8		SeCan
OAC Calypso			1.6	IY	4400	10		PROSeeds
OAC Prosper	SCN		1.6	Y	4900	2		Huron Commodities Inc.
S14-H3	SCN		1.6	IY	4200	2		Syngenta Canada, Inc.
S16-F5	SCN 1c		1.6	Y	4000	4*		Syngenta Canada, Inc.
DS177P1	SCN 1k	RR2Y	1.7	BL	5100	3*		Dow Seeds

Table 1. Soybean Variety Performance List and Descriptions, continued...

Variety	Notes	Herbicide Reaction	Relative Maturity*	Hilum Colour	Seeds per Kg	Phytophthora		Seed Supply	Distributor
						Root Rot %	Plant Loss**		
PRO 17R654N	SCN	RR2Y	1.7	BL	5500	na			PROSeeds
30-12RY	SCN 1c	RR2Y	1.8	BL	6400	4			DEKALB
P18T31R	SCN 1k	RR	1.8	BL	4500	3			Pioneer Hi-Bred Ltd.
PRO 3025R2C	SCN 1k	RR2Y	1.8	BL	5400	5			PROSeeds
S18-C2	SCN	RR2Y	1.8	BL	5200	6			Syngenta Canada, Inc.
S18-R6	SCN 1a		1.8	Y	4700	3			Syngenta Canada, Inc.
CF43GR	SCN 1h, 1k	RR2Y	1.9	BL	6100	20			Country Farm Seeds Ltd.
HDC Blake			1.9	Y	4100	4			Hensall District Co-op Inc
HS 19RYS14	SCN 1c, 1k	RR2Y	1.9	BL	5800	5			Dow Seeds
P19T01R	SCN 1k	RR	1.9	BR	5100	6			Pioneer Hi-Bred Ltd.
P19T39R2	SCN 1k	RR2Y	1.9	IBL	4700	na			Pioneer Hi-Bred Ltd.
CF41GR	SCN 1c, 1k	RR2Y	2.0	IBL	5500	6			Country Farm Seeds Ltd.
Harovinton			2.0	Y	3900	na			Harrow Res. and Dev. Centre
Mersea			2.0	Y	4500	3			SeCan
PS 2025 NR2	SCN 1c	RR2Y	2.0	BL	5500	5			PRIDE Seeds
RR2 Optic	SCN 1c	RR2Y	2.0	IBL	6200	17*			Maizex Seeds Inc.
S19-Z9	SCN	RR2Y	2.0	BL	5700	8			Syngenta Canada, Inc.
S20-G7	1c		2.0	Y	4700	4			Syngenta Canada, Inc.
S20-T6	SCN 1c	RR2Y	2.0	BL	5800	5			Syngenta Canada, Inc.
Candor			2.1	Y	3900	5			PROSeeds
Carda R2		RR2Y	2.1		6800	10			Elite Seeds
DS215Y1	SCN 1c	RR2Y	2.1	BL	5300	na			Dow Seeds
HS 21CS43	SCN 1c		2.1	Y	5600	9			Dow Seeds
OAC Kent			2.1	Y	4700	4			SeCan
S21-C3	SCN 1c		2.1	Y	5400	7			Syngenta Canada, Inc.
CF52GR	SCN 1k	RR2Y	2.2	IBL	6400	5			Country Farm Seeds Ltd.
OAC Brooke			2.2	Y	4500	1			SeCan
OAC Marvel	SCN		2.2	Y	4700	1			Huron Commodities Inc.
P22T69R	SCN 1k	RR	2.2	BL	6800	5			Pioneer Hi-Bred Ltd.
X790P	HP		2.2	Y	4100	9			Hensall District Co-op Inc

NOTES:

***Relative Maturity** - ranking of maturity provided by seed sponsors.

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

1a, 1c, etc. - Phytoph. resist. genes

HP - High Protein

SCN - SCN Resistant

L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready

RR2Y - Roundup Ready 2 Yield

LL - Liberty Link

MS - Metribuzin Sensitive

Seed Supply

LS - Limited Supply

NA - Not Available

Table 1. Soybean Variety Performance List and Descriptions, continued...

Variety	Notes	Herbicide Reaction	Relative Maturity*	Hilum Colour	Seeds per Kg	Phytophthora		Seed Supply	Distributor
						Root Rot %	Plant Loss**		
31-61RY	SCN 1c	RR2Y	2.3	BL	6100	16			DEKALB
OAC Thamesville			2.3	Y	4600	10			Southwest Seeds
SG 2311			2.3	Y	4900	3			Huron Commodities Inc.
DS244N1	SCN	RR2Y	2.4	BL	5800	na			Dow Seeds
P24T05R	SCN 1k	RR	2.4	BL	7100	6			Pioneer Hi-Bred Ltd.
92Y55	SCN 1k	RR	2.5	BL	6600	4			Pioneer Hi-Bred Ltd.
AAC 26-15			2.5	Y	4700	7			Huron Commodities Inc.
AAC Malden	SCN		2.5	Y	4300	3			SeCan
DF 155			2.5	Y	4700	3			AGRIS Co-operative Ltd.
HS 25RYS47	SCN	RR2Y	2.5	BL	5500	7			Dow Seeds
P25T51R	SCN 1c, 3a	RR	2.5	BR	6300	15			Pioneer Hi-Bred Ltd.
S25-L9	SCN 1c	RR2Y	2.5	BF	5800	18*			Syngenta Canada, Inc.
CF53GR	SCN 1k	RR2Y	2.6	BR	5500	7			Country Farm Seeds Ltd.
CF65GR	SCN 1k, 3a	RR2Y	2.6	BL	5100	7			Country Farm Seeds Ltd.
DS268V1	SCN 1k	RR2Y	2.6	BL	5400	na			Dow Seeds
Equinox R2	SCN 1c, 3a	RR2Y	2.6	IBL	5400	3			SeCan
5A255RR2	SCN 1a	RR2Y	2.7	IBL	5700	4			Dow Seeds
CF60GR	SCN 1k	RR2Y	2.7	IBL	5500	6			Country Farm Seeds Ltd.
R2C 2754	1c	RR2Y	2.7	BL	6100	na			Croplan Genetics
S27-J7	SCN 1k	RR2Y	2.7	BL	5100	9*			Syngenta Canada, Inc.
Thesan R2	SCN 1c	RR2Y	2.7	BF	6000	7			Elite Seeds
32-62RY	SCN 1c, 3a	RR2Y	2.8	BR	5700	13*			DEKALB
P28T08R	SCN 1k	RR	2.8	BL	5400	7			Pioneer Hi-Bred Ltd.
P28T62R	SCN 1k, 3a	RR	2.8	BR	5000	na			Pioneer Hi-Bred Ltd.
AAC Stern	SCN		2.9	Y	4800	7			SG Ceresco, Inc.
PS 2955 NR2	SCN 1k	RR2Y	2.9	IBL	6000	6			PRIDE Seeds
93Y05	SCN 1k	RR	3.0	BL	5500	5			Pioneer Hi-Bred Ltd.
HS 30RYS53	SCN	RR2Y	3.0	BL	5700	7			Dow Seeds
S32-L8	SCN 1c	RR2Y	3.2	BR	5700	5*			Syngenta Canada, Inc.
P33T72R	SCN 1k	RR	3.3	BL	5700	8			Pioneer Hi-Bred Ltd.

NOTES:

***Relative Maturity** - ranking of maturity provided by seed sponsors.

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

1a, 1c, etc. - Phytoph. resist. genes

HP - High Protein

SCN - SCN Resistant

L-LA - Low-Linolenic Acid

Herbicide Reaction

RR - Roundup Ready

RR2Y - Roundup Ready 2 Yield

LL - Liberty Link

MS - Metribuzin Sensitive

Seed Supply

LS - Limited Supply

NA - Not Available

TABLE 2a.1 AGRONOMIC DATA AT MATURITY GROUP 00 (2100-2300 HU) AREAS , RR TEST

Variety	Days to Mature*	NEW LISKEARD Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year		
P002T04R	113	73	78	58	1.0
S0009-M2	114	82	86	61	1.0
NSC Libau RR2Y	119	87	92	60	1.0
Mahony R2	120	103	103	65	1.0
PS 0035 NR2	120	108	102	70	1.0
Mcleod R2	122	101	102	67	1.0
22-60RY	124	97	99	54	1.0
Kendo R2	126	109	101	72	1.0
Pekko R2	126	108	102	67	1.0
P006T78R	127	93	92	57	1.0
Akras R2	130	114	115	63	1.0
PRO 2525R2	130	107	106	69	1.0
S007-Y4	130	106	107	66	1.0
Astro R2	138	114	116	72	1.0
23-60RY	--	104	--	--	--
24-12RY	--	98	--	--	--
NSC Austin RR2Y	--	95	--	--	--
NSC Osborne RR2Y	--	111	--	--	--
P005T13R	--	91	--	--	--
P006T46R	--	98	--	--	--
Average yield (T/ha)		3.08	3.18		
(bu/ac)		45.6	47.2		

Testing Locations: Table 2a.1		
New Liskeard	2015	2016

* Days to Mature is from 1-year 2015 data only.

TABLE 2b.1 AGRONOMIC DATA AT MATURITY GROUP 00 (2300-2500 HU) AREAS , RR TEST

Variety	Days to Mature	AVERAGE Yield Index			ARTHUR Yield Index		DUNDALK Yield Index	ELORA Yield Index		OTTAWA Yield Index	Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	2 year	3 year	1 year		
S006-W5	106	85	86	--	84	--	--	92	--	--	50	1.2
S007-Y4	108	99	88	90	87	86	95	86	90	92	55	1.1
Pekko R2	109	91	88	--	80	--	--	91	--	--	61	1.1
S00-N6	109	91	91	93	79	86	98	98	95	93	65	1.3
24-12RY	109	87	82	--	77	--	--	82	--	--	58	1.1
Akras R2	110	93	94	--	96	--	--	99	--	--	58	1.1
NSC Austin RR2Y	110	97	95	--	87	--	--	97	--	--	54	1.1
HS 007RY32	110	89	90	91	88	88	90	95	92	99	62	1.0
P008T70R	111	99	95	96	95	94	95	94	95	102	60	1.0
HS 006RYS24	112	93	93	92	89	90	93	94	91	95	66	1.1
PS 0074 R2	112	103	100	101	96	99	108	102	98	101	60	1.3
P01T23R	113	100	98	97	96	96	103	95	94	103	55	1.1
Kendo R2	113	101	102	99	107	100	97	101	98	99	71	1.0
90Y01	113	99	97	97	94	94	101	96	97	97	65	1.0
NSC Osborne RR2Y	113	106	106	105	105	102	108	104	107	102	70	1.3
S00-T9	113	102	103	98	108	102	100	97	96	91	65	1.1
PRO 2525R2	114	90	93	96	88	93	97	100	96	97	69	1.1
NSC Jaden RR2Y	114	103	107	107	112	108	110	105	108	100	70	1.2
LS 008R21	115	112	111	107	109	104	116	111	107	104	68	1.1
Hydra R2	116	112	108	--	111	--	--	106	--	--	71	1.2
Astro R2	116	106	106	101	116	108	88	103	102	98	69	1.2
CF05GR	117	106	108	100	116	105	90	106	102	97	69	1.2
PRO 2535R2	117	112	114	110	124	116	101	112	111	108	79	1.6
Theo R2	120	119	116	107	120	111	105	110	106	105	78	1.2
CF01GR	123	131	130	114	137	118	105	125	116	116	80	1.4
DTM (1yr)												
NSC Libau RR2Y	105	88	--	--	--	--	--	--	--	--	--	--
S009-J1	107	93	--	--	--	--	--	--	--	--	--	--
DS0067Z1	108	96	--	--	--	--	--	--	--	--	--	--
Average yield (T/ha)		2.88	2.75	2.83	2.29	2.52	2.25	3.27	3.20	3.83		
(bu/ac)		42.7	40.8	42.0	33.9	37.4	33.3	48.5	47.5	56.8		

Testing Locations: Table 2.1			
Arthur	2014	2015	2016
Dundalk	2014	--	2016
Elora	2014	2015	2016
Ottawa	2014	--	--

TABLE 3.1 AGRONOMIC DATA AT MATURITY GROUP 0 (2500-2800 HU) AREAS , RR TEST

Variety	Days to Mature	AVERAGE Yield Index			BRUSSELS Yield Index		ELORA Yield Index		LINDSAY Yield Index		OTTAWA Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	3 year		
NSC Jaden RR2Y	113	90	89	92	81	83	94	98	95	97	88	90	78	1.5
LS 008R21	114	96	96	95	95	100	96	95	96	90	99	96	74	1.5
Astro R2	114	93	92	94	92	93	93	96	93	95	90	90	75	1.6
S04-D3	114	95	92	96	90	96	92	98	90	92	99	97	76	1.4
Hydra R2	114	92	94	95	91	92	94	97	101	99	91	94	75	1.4
26-14RY	115	102	104	--	108	--	105	--	107	--	98	--	76	1.5
PRO 2535R2	115	89	91	94	88	84	94	99	97	100	87	91	83	1.6
P06T28R	117	97	95	97	89	95	96	96	94	95	101	101	73	1.3
PS 0416 R2	117	99	99	100	103	104	101	102	86	92	104	101	72	1.4
Theo R2	118	99	96	95	91	91	95	96	103	99	96	95	79	1.5
27-12RY	118	99	99	100	95	99	105	103	98	101	99	99	74	1.4
5A040RR2	118	98	96	98	98	96	96	100	91	97	99	99	80	1.3
CF13GR	118	99	98	100	95	99	98	102	104	102	97	96	72	1.3
RR2 Bronze	118	94	96	98	94	97	99	105	99	100	92	92	79	1.4
S06-C4	119	95	98	100	97	100	98	99	98	99	100	100	66	1.3
LS06R863	119	107	106	--	103	--	105	--	110	--	105	--	70	1.3
Camaro R2	119	93	97	99	96	100	97	97	101	103	96	97	72	1.3
Nitro R2	119	95	94	96	90	94	95	98	99	96	95	97	75	1.2
HS 03RY33	119	102	103	102	108	106	101	101	102	98	100	102	77	1.4
PRO 2625R2	119	102	103	102	108	104	101	101	105	106	97	98	75	1.3
S08-U4	120	97	100	102	102	105	102	103	96	102	98	100	75	1.3
Mundo R2	120	103	102	102	101	101	98	97	101	105	108	104	71	1.3
90Y90	120	93	98	97	104	102	97	96	92	89	99	100	75	1.3
Altitude R2	120	114	109	111	107	107	110	109	107	115	112	113	65	1.4
CF14GR	120	102	109	106	119	107	96	100	111	111	110	108	78	1.8
CF12GR	120	98	101	100	100	98	100	98	101	103	102	100	79	1.5
Miko R2	120	109	109	--	107	--	106	--	116	--	110	--	78	1.4
P09T74R2	121	102	104	103	108	107	105	102	95	97	105	105	75	1.3
CF01GR	121	102	105	103	105	105	104	102	108	105	102	102	84	1.4
OAC Challenger R2	121	106	103	106	103	102	101	103	106	108	104	110	79	1.9
Absolute RR	122	105	106	104	107	103	105	101	113	110	101	102	78	1.6
5A075RR2	123	105	107	108	107	101	108	111	109	108	105	113	76	1.3
HS 08RY51	123	94	95	100	98	106	93	95	86	91	102	107	68	1.4
HS 09RYS12	123	99	103	104	110	112	99	101	99	99	103	102	74	1.3
S11-N4	123	105	105	--	106	--	110	--	101	--	105	--	75	1.3
CF23GR	124	108	107	103	116	113	107	100	96	97	106	103	78	1.4
DTM (1yr)														
DS032R1	113	99	--	--	--	--	--	--	--	--	--	--	--	--
DS064Y1	115	96	--	--	--	--	--	--	--	--	--	--	--	--
DS038A1	117	96	--	--	--	--	--	--	--	--	--	--	--	--
R2C 1010	117	103	--	--	--	--	--	--	--	--	--	--	--	--
27-62RY	118	105	--	--	--	--	--	--	--	--	--	--	--	--
R2C 0724	118	107	--	--	--	--	--	--	--	--	--	--	--	--
S10-S1	118	109	--	--	--	--	--	--	--	--	--	--	--	--
LS08R760N	119	100	--	--	--	--	--	--	--	--	--	--	--	--
P08T96R	119	102	--	--	--	--	--	--	--	--	--	--	--	--
S12-H2	121	105	--	--	--	--	--	--	--	--	--	--	--	--
Average yield (T/ha)		3.82	3.59	3.62	3.94	3.61	3.76	3.72	3.09	3.42	3.57	3.73		
(bu/ac)		56.6	53.2	53.7	58.4	53.6	55.8	55.1	45.8	50.7	53.0	55.3		

TABLE 3.2 AGRONOMIC DATA AT MATURITY GROUP 0 (2500-2800 HU) AREAS , CONVENTIONAL TEST

Variety	Days to	AVERAGE Yield Index			BRUSSELS Yield Index		ELORA Yield Index		LINDSAY Yield Index	OTTAWA Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
	Mature	1 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	2 year	3 year		
Anser	108	77	74	79	73	76	75	80	79	77	81	72	1.4
OAC Morden	110	90	84	--	81	--	89	--	--	75	--	75	1.6
Misty	110	90	89	90	82	88	92	92	89	88	90	75	1.5
Meteor	111	82	86	87	83	84	97	97	84	79	82	70	1.6
OAC Petrel	111	92	91	93	88	92	94	95	97	87	90	76	1.6
Amadeus	111	83	82	83	78	79	84	85	83	85	85	74	1.4
DH401	111	85	87	89	85	90	93	95	89	82	84	71	1.5
Chikala	112	80	77	77	74	78	76	74	81	77	76	72	1.7
DH863	112	82	85	86	80	85	94	95	81	84	83	72	1.5
Jari	113	92	93	95	97	100	97	101	94	87	87	82	1.7
Hana	115	102	96	97	99	102	90	91	97	98	98	68	1.4
Astor	115	91	94	95	91	92	94	95	91	102	101	69	1.4
Asuka	116	104	99	99	94	95	96	96	98	108	105	72	1.2
DH618	116	106	103	103	100	102	105	106	105	101	101	76	1.4
Celebrity	117	98	102	102	105	102	103	102	101	101	101	75	1.7
P04T10	117	101	97	96	92	95	99	97	94	97	98	77	1.6
Narita	117	98	99	98	101	100	97	95	94	101	101	74	1.5
Kyoto	117	108	98	100	94	99	92	94	101	103	105	72	1.4
AAC Vireo	117	92	93	97	95	100	89	95	91	97	100	74	1.3
OAC Strive	117	106	105	102	105	101	103	101	99	105	106	82	1.5
OAC Lakeview	118	107	108	107	109	110	107	106	111	103	101	77	1.8
P07T86	118	98	99	98	99	97	98	96	98	103	100	84	1.5
OAC Prescott	118	109	112	111	115	111	112	112	108	113	112	81	1.8
Auriga	118	105	99	99	100	100	93	96	99	100	99	80	1.6
Etna	119	104	101	103	99	104	99	97	108	103	105	72	1.2
OAC Champion	119	95	100	100	107	103	99	100	99	98	97	85	2.0
S07-D2	120	97	99	97	97	90	99	99	101	102	99	84	1.7
Volta	121	108	105	--	102	--	106	--	--	114	--	81	1.3
Factor	121	104	111	107	115	108	109	109	96	117	111	82	1.7
S07-M8	121	109	106	107	110	112	102	103	101	111	112	75	1.3
OAC Eve	121	106	102	101	98	98	106	103	102	99	99	81	1.6
OAC Durham	121	105	107	105	110	106	109	106	108	102	102	74	1.7
PRO 275	121	109	108	106	112	109	112	109	102	102	102	74	1.5
HS 09C02	122	112	108	106	104	102	105	102	113	112	109	71	1.4
Nagova	122	107	108	--	109	--	110	--	--	103	--	74	1.3
P05T80	122	106	108	107	109	107	110	110	106	102	104	81	1.6
Marula	122	107	103	102	101	101	98	97	105	107	107	86	1.3
OAC Drayton	122	116	112	110	114	106	102	104	114	118	116	80	1.6
OAC Wallace	122	108	105	106	104	104	101	101	106	115	113	78	1.6
Gladiator	123	99	102	101	107	102	103	106	99	99	97	86	2.0
Neptune	123	109	107	107	107	104	106	106	106	110	110	78	1.5
Osaka	123	111	109	109	113	113	106	104	117	102	103	72	1.4
DS045C0	124	106	109	109	112	110	111	111	113	102	103	86	1.5
Caballero	124	110	113	113	121	117	115	116	111	106	107	80	1.7
Taurus	125	123	111	106	107	105	107	104	108	113	107	84	1.4
Skyline	126	108	107	106	114	108	102	105	106	107	105	83	1.9
Emperor	127	108	109	111	111	111	114	114	115	103	105	75	1.5
DTM (1yr)													
Fjord	102	60	--	--	--	--	--	--	--	--	--	--	--
AAC Shinju	110	82	--	--	--	--	--	--	--	--	--	--	--
OAC Madoc	111	105	--	--	--	--	--	--	--	--	--	--	--
AAC Rubicon	119	87	--	--	--	--	--	--	--	--	--	--	--
Nordika	126	115	--	--	--	--	--	--	--	--	--	--	--
LC 1070	126	109	--	--	--	--	--	--	--	--	--	--	--
Average yield (T/ha)		3.38	3.38	3.48	3.49	3.50	3.62	3.45	3.39	3.24	3.54		
(bu/ac)		50.1	50.1	51.6	51.8	51.9	53.7	51.2	50.3	48.1	52.5		

Testing Locations: Table 3			
Brussels	2014	2015	2016
Elora	2014	2015	2016
Lindsay	2014	2015*	2016
Ottawa	2014	2015	2016

* RR Only

TABLE 4.1 AGRONOMIC DATA AT MATURITY GROUP 1 (2700-2900 HU) AREAS , RR TEST

Variety	Days to Mature	AVERAGE Yield Index			EXETER Yield Index		ST. MARYS Yield Index	WINCHESTER Yield Index	WOODSTOCK Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	2 year	2 year	3 year		
Altitude R2	122	101	103	102	111	107	98	101	101	99	77	1.4
HS 08RY51	122	91	92	--	98	--	--	96	84	--	77	1.1
RR2 Atlas	122	95	97	--	98	--	--	98	91	--	81	1.4
91Y01	122	99	94	95	96	94	98	88	101	101	82	1.5
S10-S1	122	98	106	--	102	--	--	106	108	--	86	1.2
Miko R2	123	103	99	--	103	--	--	101	98	--	82	1.8
Corvette R2	123	81	88	91	93	95	92	84	89	91	86	1.5
S11-N4	124	103	101	--	100	--	--	98	102	--	87	1.4
HS 09RYS12	124	85	95	95	96	98	99	93	89	93	84	1.3
PRO 2845R2C	124	98	100	101	103	104	99	102	96	98	80	1.4
PS 1162 R2	124	94	97	100	94	97	99	103	101	101	86	1.5
DS124U1	124	101	99	--	100	--	--	104	98	--	85	1.7
5A075RR2	124	98	103	102	102	102	102	104	101	100	84	1.5
S12-H2	125	96	100	100	98	102	104	101	100	97	85	1.4
Katonda R2	125	99	98	98	100	101	97	98	97	95	83	1.1
CF23GR	126	102	102	100	101	99	98	106	96	96	91	1.4
RR2 Titanium	126	98	97	96	92	93	99	102	92	94	84	1.2
Kultana R2	126	95	91	--	93	--	--	86	100	--	92	1.7
Maxo R2	126	108	103	103	105	101	104	98	109	111	84	1.7
S14-A6	126	106	104	--	107	--	--	102	106	--	80	1.2
HS 14RYS44	126	96	99	--	99	--	--	100	92	--	85	1.1
RR2 Galaxy	127	102	103	97	97	96	93	108	102	93	91	1.5
HS 11RY07	127	102	102	102	98	97	109	107	97	99	88	1.4
29-62RY	127	98	100	--	99	--	--	101	99	--	86	1.5
DS177P1	127	96	98	--	97	--	--	90	104	--	92	1.3
91Y61	128	100	95	96	100	101	98	94	90	90	90	1.5
5A105RR2	128	99	102	103	100	100	106	105	100	104	85	1.5
P15T46R2	128	102	104	103	101	103	108	101	107	101	89	1.6
P15T83R	128	99	98	97	105	104	90	93	101	98	83	1.3
CF31GR	128	105	103	102	105	105	94	97	112	109	89	1.8
Mylitta R2	129	111	106	105	105	103	107	109	104	104	87	1.5
P18T31R	130	103	108	105	100	101	100	112	108	107	84	1.4
S18-C2	130	101	103	103	100	100	102	102	109	107	90	1.8
Mateo R2	131	102	102	100	95	93	101	103	108	107	88	1.7
P19T01R	133	103	105	104	106	103	105	104	108	106	90	1.3
DTM (1yr)												
PS 1304 NR2	122	107	--	--	--	--	--	--	--	--	--	--
R2T 1449	123	103	--	--	--	--	--	--	--	--	--	--
P10T48R	124	106	--	--	--	--	--	--	--	--	--	--
PRO 3025R2C	128	111	--	--	--	--	--	--	--	--	--	--
P19T39R2	129	108	--	--	--	--	--	--	--	--	--	--
Average yield (T/ha)		4.52	4.19	4.11	4.48	4.35	3.50	4.98	3.69	3.67		
(bu/ac)		67.1	62.2	60.9	66.5	64.5	51.9	73.8	54.8	54.4		

TABLE 4.2 AGRONOMIC DATA AT MATURITY GROUP 1 (2700-2900 HU) AREAS , CONVENTIONAL TEST

Variety	Days to Mature	AVERAGE Yield Index			EXETER Yield Index		ST. MARYS Yield Index		WINCHESTER Yield Index	WOODSTOCK Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year	2 year	3 year	2 year	3 year	2 year	2 year	3 year		
Osaka	122	95	94	94	93	95	95	97	99	86	86	77	1.3
Havane	122	103	101	99	94	98	111	103	100	100	97	88	1.5
DH4173	123	100	98	97	95	95	99	96	94	105	102	85	1.1
Skyline	124	91	92	--	95	--	93	--	93	87	--	85	1.4
Acora	125	108	102	101	100	99	106	104	100	103	101	96	1.4
Eider	125	98	96	98	91	94	101	103	90	105	107	92	1.5
Black Pearl	125	104	100	99	95	97	96	99	111	95	92	94	1.3
S14-H3	125	92	94	96	101	102	95	100	88	94	93	80	1.1
HDC Carlow	125	100	99	98	96	97	98	96	102	100	99	85	1.4
DH4202	125	104	106	104	107	103	109	106	105	103	101	83	1.3
HS 13C38	125	100	98	98	98	97	92	94	104	99	99	84	1.5
Karra	125	99	100	99	102	102	103	101	101	92	93	84	1.4
Emperor	126	97	97	98	106	104	94	98	91	95	96	80	1.4
Bakara	126	94	95	96	91	94	99	99	96	94	95	93	1.4
DH530	126	103	99	100	106	107	92	91	98	100	102	88	1.4
S16-F5	127	102	99	--	106	--	95	--	95	98	--	79	1.1
DH410SCN	128	97	97	97	95	95	100	100	94	102	100	89	1.4
DS143C0	128	110	107	105	101	102	112	106	107	108	109	94	1.3
HDC Goshen	128	96	96	96	93	94	94	95	91	107	104	94	1.7
SVX14T1G1	129	99	99	100	100	99	91	95	99	108	107	101	1.5
HDC Blake	129	105	106	104	100	99	107	107	107	110	107	95	1.4
OAC Adare	129	98	101	101	108	106	100	103	98	95	98	88	1.4
OAC Avatar	129	106	105	105	100	101	110	109	103	107	108	91	1.5
S18-R6	129	101	101	101	103	104	97	96	105	97	100	91	1.2
HDC 1600T	129	105	104	102	109	107	105	103	102	100	96	85	1.3
OAC Calypso	129	112	112	108	108	105	104	98	119	114	112	94	1.6
Candor	132	100	103	102	104	104	102	101	109	96	96	90	1.5
DTM (1yr)													
Kyoto	119	90	--	--	--	--	--	--	--	--	--	--	--
HS 09C02	121	97	--	--	--	--	--	--	--	--	--	--	--
Nagoya	121	91	--	--	--	--	--	--	--	--	--	--	--
OAC Prosper	127	104	--	--	--	--	--	--	--	--	--	--	--
Average yield (T/ha)		4.11	3.92	3.86	4.37	4.17	3.49	3.61	4.54	3.29	3.34		
(bu/ac)		60.9	58.2	57.3	64.9	61.8	51.8	53.5	67.4	48.7	49.6		

Testing Locations: Table 4			
Exeter	2014	2015	2016
St. Marys	2014	2015	2016*
Winchester	--	2015	2016
Woodstock	2014	2015	2016

* Conventional only

TABLE 5.1 AGRONOMIC DATA AT EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS , RR TEST

Variety	Days to Mature	CLAY AVG Yield Index		INWOOD Yield Index		PALMYRA Yield Index		LOAM AVG Yield Index		RIDGETOWN Yield Index		TALBOTVILLE Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	2 year	3 year	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
DS177P1	115	83	82	80	--	84	--	93	94	94	--	95	--	85	1.1
Mylitta R2	117	86	90	88	93	92	93	92	96	105	104	83	90	79	1.3
PRO 3025R2C	119	101	99	100	97	98	100	95	99	101	101	96	98	84	1.3
P22T69R	119	91	95	89	91	101	98	98	98	94	97	102	99	81	1.1
P19T01R	120	99	99	97	100	101	98	106	102	106	109	96	99	84	1.3
RR2 Optic	120	99	99	108	--	91	--	110	105	110	--	98	--	83	1.5
30-12RY	121	109	108	109	103	107	110	109	105	105	106	104	100	88	1.5
HS 19RYS14	121	110	110	114	111	105	108	94	97	96	96	98	98	88	1.4
S19-Z9	121	102	103	110	108	96	97	100	102	101	100	103	99	88	1.2
S20-T6	121	90	95	87	91	102	98	93	97	95	98	101	102	83	1.2
PS 2025 NR2	121	110	108	117	113	100	101	102	101	103	103	97	93	84	1.5
CF43GR	122	101	96	97	105	95	91	97	98	95	99	102	99	81	1.2
Carda R2	122	99	101	98	94	104	100	104	104	103	98	105	103	89	1.5
P24T05R	123	101	99	95	96	103	102	100	103	105	105	101	106	86	1.1
CF52GR	124	113	103	107	105	99	97	96	94	92	93	96	97	87	1.5
Equinox R2	124	105	106	103	98	109	108	114	108	108	107	108	109	94	1.4
92Y55	125	87	91	86	87	95	99	94	98	99	98	98	97	85	1.2
P25T51R	125	107	109	106	98	111	108	97	99	98	98	100	102	84	1.3
CF53GR	126	100	101	103	104	100	99	105	106	104	105	107	101	87	1.2
31-61RY	126	100	104	98	97	110	94	100	99	92	94	108	107	91	1.5
HS 25RYS47	127	95	95	97	100	94	93	92	93	92	95	94	91	79	1.3
Thesan R2	127	96	98	94	97	101	103	94	95	94	96	96	98	90	1.4
S25-L9	127	112	101	104	--	98	--	107	105	109	--	98	--	85	1.3
5A255RR2	129	107	109	115	111	103	102	101	104	97	100	114	110	93	1.5
DTM (1yr)															
PRO 17R654N	113	84	--	--	--	--	--	102	--	--	--	--	--	--	--
DS215Y1	114	92	--	--	--	--	--	104	--	--	--	--	--	--	--
P19T39R2	115	101	--	--	--	--	--	94	--	--	--	--	--	--	--
CF41GR	116	90	--	--	--	--	--	89	--	--	--	--	--	--	--
DS244N1	121	99	--	--	--	--	--	106	--	--	--	--	--	--	--
R2C 2754	122	112	--	--	--	--	--	109	--	--	--	--	--	--	--
DS268V1	123	109	--	--	--	--	--	105	--	--	--	--	--	--	--
Average yield (T/ha)		3.92	3.44	3.32	3.41	3.55	3.58	5.44	5.16	5.84	5.48	4.48	4.25		
(bu/ac)		58.1	51.0	49.3	50.6	52.6	53.1	80.7	76.6	86.7	81.3	66.5	63.0		

TABLE 5.2 AGRONOMIC DATA AT EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS , CONVENTIONAL TEST

Variety	Days to Mature	CLAY AVG Yield Index		INWOOD Yield Index		PALMYRA Yield Index		LOAM AVG Yield Index		RIDGETOWN Yield Index		TALBOTVILLE Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	2 year	3 year	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
HDC 1600T	116	103	95	94	96	95	93	104	98	100	103	95	95	79	1.2
S18-R6	117	91	93	82	88	102	94	101	102	104	105	97	96	86	1.0
HDC Goshen	118	95	97	92	94	101	99	96	98	103	101	90	92	89	1.3
OAC Prosper	120	94	101	91	91	110	108	103	105	103	102	107	104	84	2.0
HDC Blake	122	104	101	107	107	96	100	102	103	103	102	102	101	91	1.4
HS 21CS43	122	111	106	108	103	104	104	111	103	106	102	100	97	83	1.4
OAC Kent	122	102	102	102	103	102	104	108	101	101	101	100	102	88	1.8
S20-G7	123	102	92	102	100	84	90	99	94	93	95	94	95	88	1.1
OAC Brooke	124	111	109	115	109	104	104	108	111	109	112	115	113	82	1.2
OAC Marvel	125	102	102	100	102	103	106	100	99	96	93	102	102	92	1.3
SG 2311	125	106	108	112	109	106	108	101	98	95	95	101	101	88	1.2
X790P	125	94	86	94	90	78	79	81	79	78	77	80	82	86	1.8
OAC Thamesville	126	99	99	102	104	95	98	107	105	104	108	106	107	92	1.1
Candor	126	104	102	108	108	96	97	98	102	103	104	99	99	85	1.6
S21-C3	126	104	102	96	96	107	103	113	108	106	107	111	110	92	1.3
Mersea	128	95	99	95	97	102	102	95	99	102	101	95	98	93	1.5
AAC 26-15	129	100	109	104	101	113	111	97	96	93	90	101	103	94	1.4
AAC Malden	129	97	99	92	95	104	101	92	92	89	91	97	97	92	1.4
DF 155	130	105	100	103	109	97	100	114	109	110	109	108	106	90	1.6
DTM (1yr)															
SVX14T1G1	118	96	--	--	--	--	--	93	--	--	--	--	--	--	--
Harovinton	125	84	--	--	--	--	--	76	--	--	--	--	--	--	--
Average yield (T/ha)		4.61	3.85	3.57	3.57	4.13	3.93	4.93	4.60	5.39	5.00	3.80	3.79		
(bu/ac)		68.3	57.1	52.9	52.9	61.2	58.2	73.1	68.2	80.0	74.1	56.4	56.2		

Testing Locations: Table 5			
Inwood	2014	2015	2016
Palmyra	2014	2015	2016
Ridgetown	2014	2015	2016
Talbotville	2014	2015	2016

TABLE 6.1 AGRONOMIC DATA AT LATE MATURITY GROUP 2 (3300-3500 HU) AREAS , RR TEST

Variety	Days to Mature	CLAY AVG Yield Index		MERLIN Yield Index		WOODSLEE Yield Index		LOAM AVG Yield Index		CHATHAM Yield Index		MALDEN Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	2 year	3 year	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
CF53GR	127	97	97	95	93	98	98	105	100	102	103	99	97	80	1.1
CF60GR	128	99	92	93	97	92	92	99	93	88	91	98	100	76	1.2
HS 25RYS47	128	102	99	94	95	103	104	98	94	92	96	97	94	75	1.0
S25-L9	129	98	94	97	--	92	--	95	100	95	--	105	--	81	1.2
S27-J7	129	104	101	107	--	96	--	102	103	105	--	101	--	84	1.1
5A255RR2	130	103	103	104	103	102	103	103	106	108	105	103	105	86	1.1
PS 2955 NR2	130	95	102	98	100	105	105	90	96	93	96	99	102	86	1.1
32-62RY	131	111	106	108	--	103	--	106	100	100	--	100	--	86	1.2
HS 30RYS53	131	98	97	98	94	97	93	94	98	100	97	96	99	80	1.1
P28T08R	131	100	101	105	104	98	96	104	105	108	106	103	104	84	1.1
S32-L8	132	94	97	93	--	100	--	97	104	103	--	104	--	88	1.3
93Y05	132	106	104	106	108	103	101	99	100	100	104	99	102	83	1.1
CF65GR	133	98	98	101	101	96	97	95	97	100	100	94	94	82	1.1
P33T72R	133	102	108	100	105	115	111	101	104	105	102	104	103	82	1.0
DTM (1yr)															
DS244N1	129	98	--	--	--	--	--	95	--	--	--	--	--	--	--
P28T62R	132	100	--	--	--	--	--	109	--	--	--	--	--	--	--
DS268V1	132	95	--	--	--	--	--	107	--	--	--	--	--	--	--
Average yield (T/ha)		4.28	4.22	3.99	3.87	4.46	4.46	4.98	4.82	4.99	4.94	4.66	4.66		
(bu/ac)		63.5	62.6	59.1	57.4	66.1	66.2	73.9	71.6	74.0	73.3	69.1	69.1		

TABLE 6.2 AGRONOMIC DATA AT LATE MATURITY GROUP 2 (3300-3500 HU) AREAS , CONVENTIONAL TEST

Variety	Days to Mature	CLAY AVG Yield Index		MERLIN Yield Index		WOODSLEE Yield Index		LOAM AVG Yield Index		CHATHAM Yield Index		MALDEN Yield Index		Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	2 year	3 year	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
OAC Kent	121	97	94	93	96	96	100	95	99	100	100	98	96	81	1.5
OAC Thamesville	122	112	103	103	103	103	99	110	100	96	101	104	102	85	1.0
OAC Brooke	122	85	95	100	97	91	96	100	99	102	102	96	99	75	1.1
OAC Marvel	122	95	93	95	97	91	90	98	89	86	91	92	93	87	1.5
SG 2311	124	90	91	90	--	92	--	107	100	96	--	105	--	80	1.0
AAC 26-15	124	95	93	98	98	89	91	95	90	93	93	87	93	89	1.6
Mersea	126	107	103	105	104	102	100	95	103	101	101	106	104	86	1.4
DF 155	126	114	111	107	106	115	112	117	113	116	109	109	108	87	1.5
AAC Malden	127	110	106	100	96	112	111	103	104	109	104	99	102	85	1.4
AAC Stern	130	113	110	109	104	110	102	102	103	101	99	104	103	86	1.2
DTM (1yr)															
Harovinton	123	81	--	--	--	--	--	77	--	--	--	--	--	--	--
Average yield (T/ha)		3.82	3.94	3.81	3.88	4.06	4.25	4.91	4.87	5.04	4.92	4.69	4.52		
Average yield (bu/ac)		56.7	58.4	56.6	57.5	60.2	63.0	72.9	72.2	74.8	73.0	69.6	67.0		

Testing Locations: Table 6			
Merlin	2014	2015	2016
Woodslee	2014	2015	2016
Chatham	2014	2015	2016
Malden	2014	2015	2016

TABLE 7. RESISTANT VARIETY PERFORMANCE IN SCN INFESTED FIELDS

Round-up Ready Varieties*

Variety	Average of 6 Tests (2014-2016)		Average of 4 Tests (2015-2016)		Source of Resistance
	Days to Maturity	Yield Index (%)	Days to Maturity	Yield Index (%)	
Akras R2	--	--	93	65	Other
Podaga R2	--	--	101	76	No
Hydra R2	101	73	102	74	PI 88788
PRO 2845R2C	107	127	106	124	PI 88788
HS 09RYS12	107	117	107	114	PI 88788
P15T46R2	111	129	109	128	PI 88788
P15T83R	112	114	110	108	PI 88788
HS 14RYS44	111	125	111	124	PI 88788
Mylitta R2	113	105	112	101	No
P18T31R	114	139	113	141	PI 88788
P19T01R	116	129	116	131	PI 88788
PRO 3025R2C	116	145	116	150	PI 88788
P22T69R	117	140	117	147	Peking
HS 19RYS14	118	142	118	149	PI 88788
P25T51R	120	140	118	143	PI 88788
P24T05R	118	131	119	134	PI 88788
92Y55	120	133	120	138	PI 88788
HS 25RYS47	122	130	122	136	PI 88788
5A255RR2	124	136	122	142	PI 88788
HS 30RYS53	127	131	125	141	PI 88788
P28T08R	126	137	125	142	PI 88788
93Y05	128	136	128	141	PI 88788
P33T72R	130	137	129	145	PI 88788
** Susceptible Yield Index is:	100%		100%		
Susceptible Yield (Conv):	3.10 T/ha 46.0 bu/ac		2.92 T/ha 43.4 bu/ac		

Conventional Varieties

Variety	Average of 6 Tests (2014-2016)		Average of 4 Tests (2015-2016)		Source of Resistance
	Days to Maturity	Yield Index (%)	Days to Maturity	Yield Index (%)	
Skyline	110	109	109	108	PI 88788
DH410SCN	112	107	110	98	PI 88788
OAC Marvel	117	120	115	114	PI 88788
HS 21CS43	116	117	116	108	PI 88788
AAC 26-15	--	--	121	117	PI 88788
AAC Stern	129	108	130	109	PI 88788
** Susceptible Yield Index is:	100%		100%		
Susceptible Yield (Conv):	3.21 T/ha 47.6 bu/ac		3.28 T/ha 48.7 bu/ac		

* Roundup Ready (RR) varieties, tested under a RR management system.

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

Test locations had moderate to high SCN infestations of 3,000 to 6,000 eggs/100g soil.

Interpretation of Tables & Results

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 some races of the pathogen. Rps 1a does not provide protection to most races of the pathogen in Ontario

SCN: Resistant to some HG types of Soybean Cyst Nematode (SCN) in Ontario.

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

L-LA: L-LA is a designation used by seed sponsors to indicate a soybean variety that produces low linolenic acid in the seed

Herbicide Reaction

RR: Roundup Ready™ (Trademark of Monsanto Company)

RR2Y: Roundup Ready 2 Yield™ (Trademark of Monsanto Company)

LL: Liberty Link™ (Trademark of Bayer CropScience AG)

Varieties have not been evaluated for metribuzin tolerance by OSACC. For further information contact seed distributor. The following variety has been reported to OSACC as being Metribuzin Sensitive (**MS**): Astor.

Relative Maturity

Ranking of maturities has been initiated to provide producers with a rating system that is similar to the USA soybean industry standards. Rankings are not assigned by OSACC. See attached Relative Maturity map on the GoSoy.ca web site and last page.

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

Based on 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.

Disease Testing Information

Phytophthora root rot testing is carried out on clay soils infested with common races of Phytophthora at Woodslee. White Mold variety ratings will be listed on the web at www.Gosoy.ca as they become available. SCN tests are done in collaboration with variety sponsors and the SCN Resistant Variety Development project. For further information, contact soyinfo@oopsgcc.org.

Protein & Oil Index

Protein Index (%) and Oil (%) are found 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. A 2-year average is shown.

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. Yield index averaged over locations and years will be a more reliable indicator of yield potential than performance from one single location or single year.

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 at soil level to its tip. A 2-year average is shown.

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. A 2-year average is shown. Lodging may not be rated for all test sites in each maturity group.

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. 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.

Food Soybean Varieties (F)

The Conventional and Food soybean variety trials were combined for the first time in 2006. All conventional and food varieties were grown in the same test sites in all three years for which data is presented.

Test Locations and Soil Types - 2016 Trials

Location	Table	Relative Maturity	Soil Type	Row Width (cm)	Seeding Rate (plant/ac)	Co-operator	Trial Co-ordinator
New Liskeard	2a	00.5	clay	35	200,000	U of Guelph, New Liskeard	U of Guelph, New Liskeard
Dundalk	2b	00.9	loam	48	168,000	Leo Blydorp	ORDC, AAFC, Ottawa
Arthur	2b	0.2	clay loam	48	168,000	Doug Shaw	ORDC, AAFC, Ottawa
Elora	2b & 3	0.6	silt loam	35	200,000	OAC, U of Guelph	OAC, U of Guelph
Ottawa	3	0.6	clay loam	40	200,000	Research Centre, AAFC, Ottawa	ORDC, AAFC, Ottawa
Brussels	3	0.7	loam	48	168,000	Neil Mitchell	ORDC, AAFC, Ottawa
Lindsay	3	0.9	loam	48	168,000	Ed Bagshaw	ORDC, AAFC, Ottawa
Winchester	4	1	clay loam	35	200,000	Kemptville Campus, U of Guelph	Kemptville Campus, U of Guelph
Woodstock	4	1.8	clay loam	35	200,000	Bob Hart	OAC, U of Guelph
Exeter	4	1.7	clay loam	38	200,000	Gordon Jones	Ridgetown Campus, U of Guelph
St. Mary's	4	1.5	clay loam	35	200,000	Alex Gibson	OAC, U of Guelph
Talbotville	5	2.3	clay loam	48	168,000	Richard and John Andrews	Ridgetown Campus, U of Guelph
Palmyra	5	2.7	clay	43	200,000	Richard Wierenga	Ridgetown Campus, U of Guelph
Inwood	5	2.4	clay	43	200,000	Jeff Lassaline	Ridgetown Campus, U of Guelph
Ridgetown	5	2.8	clay loam	43	160,000	Ridgetown Campus, U of Guelph	Ridgetown Campus, U of Guelph
Chatham	6	2.9	clay loam	43	160,000	Wonnacott Farms Ltd.	Ridgetown Campus, U of Guelph
Merlin	6	3.1	clay	43	200,000	Grant Guy	Ridgetown Campus, U of Guelph
Woodslee	6	3.3	clay	46	200,000	Research Centre, AAFC, Harrow	HRDC, AAFC, Harrow
Malden	6	3.5	clay loam	46	185,000	Research Centre, AAFC, Harrow	HRDC, AAFC, Harrow

Soybean Variety Distributors

Distributor	Address	Telephone	Fax	Internet
Agriculture and Agri-Food Canada (Harrow RDC)	2585 County Road 20, Harrow, ON, N0R 1G0	519-738-2251	519-738-2929	
AGRIS Co-operative Ltd.	835 Park Ave. W., Chatham, ON, N7M 5J6	519-380-2384	519-354-7058	www.agris.coop
Alliance Agri-Turf	7386 9th Line, Thornton, ON, L0L 2N0	705-424-1410	705-424-3837	allianceagri-turf.com
Beechwood Agri Services	123 King St, Parkhill, ON, N0M 2K0	1-877-294-0474		www.beechwoodagri.com
Bramhill Seeds	5220 Hwy 23, RR #2, Palmerston, ON, N0G 2P0	519-343-3630	519-343-2037	carl@bramhillseeds.com www.bramhillseeds.com
Country Farm Seeds Ltd.	P.O. Box 790, 18814 Communication Road, Blenheim, ON, N0P 1A0	1-800-449-3990	519-676-9633	heather.coatsworth@countryfarmseeds.com www.countryfarmseeds.com
DEKALB	120 Research Lane, Unit 101, Guelph, ON, N1G 0B4	1-800-667-4944	519-823-9733	www.monsanto.ca/products/dekalb
Dow Seeds	5 Hyland Drive, Blenheim, ON, N0P 1A0	519-676-8146	519-676-6800	hloucas@dow.com http://www.dowseeds.com/en-ca/canada
Dupont Pioneer	PO Box 730, 7398 Queen's Line, Chatham, ON, N7M 5L1	1-800-265-9435	519-380-2014	www.pioneer.com/Canada
Elite Seeds	Distributor: The Agromart Group, Thorndale, ON, N0M 2P0	450-799-2326		seedadmin@agromartgroup.com www.agromartgroup.com www.eliteseeds.ca
Hensall District Co-op Inc.	Box 219, 1 Davidson Drive Hensall, ON, N0M 1X0	519-262-3002	519-262-3412	www.hdc.on.ca
Huron Commodities Inc.	79 Wellington St., Clinton, ON, N0M 1L0	519-482-8400	519-482-8383	w.wheeler@huron.com www.huron.com
Maizex Seeds Inc.	4488 Mint Line, RR #2, Tilbury, ON, N0P 2L0	519-682-1720	519-682-2144	www.maizex.com
Northstar Genetics	Box 1682, Carman, MB, R0G 0J0	204-750-4000	204-745-9654	cdurand@northstargeneticsmb.com www.weknowbeans.com
Pedigrain	5175 Boul. Laurier Est, St Hyacinthe, QC, J2R 2B4	450-405-3537	450-799-3229	
PRIDE Seeds	PO Box 1088, Chatham, ON, N7M 5L6	1-800-265-5280	519-354-8155	www.prideseed.com
Prograin	145 Bas Riviere Nord, St-Cesaire, QC, J0L 1T0	450-469-5744	450-469-4547	www.semencesprograin.com
PROSeeds - Sevita International	11451 Cameron Road, Inkerman, ON, K0E 1J0	613-989-3000	613-989-3838	WayneB@sevita.com www.proseeds.ca
SeCan	400-300 Terry Fox Drive, Kanata, ON, K2E 0E3	1-866-797-7874	613-592-9497	www.secan.com
SG Ceresco Inc	164 chemin Grande-Ligne, St-Urbain-Premier, QC, J0S 1Y0	450-427-3831	450-427-2067	www.sgceresco.com
Southwest Seeds Inc.	R.R. # 1, 19686 Scane Rd., Ridgetown, ON, N0P 2C0	519-674-0054	519-674-0388	
Syngenta Canada, Inc.	140 Research Lane, Guelph, ON, N1G 4Z3	1-888-366-4211	1-888-717-7122	www.nkcanada.com

