

# 2019

## Ontario Soybean Variety Trials

### Data Collected 2017-2019

Conducted by the Ontario Soybean And Canola Committee

[www.GoSoy.ca](http://www.GoSoy.ca)

Research conducted and reported by:



Agriculture and  
Agri-Food Canada

Agriculture et  
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Ontario



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

Variety	PBR	Notes	Herbicide Reaction	Relative Maturity†	Hilum Colour	Seeds	Phytophthora		Distributor
						per Kg	Root Rot % Plant Loss**	Root Rot %	
Fresco R2X			RR2X	000.1	BL	5700			Prograin
Varuna R2			RR	000.4		5700			Elite
Amirani R2			RR	000.5		6000			Elite
DKB0005-44		1c	RR2X	000.5	BL	6300	na		DEKALB
Nocoma R2			RR	000.5		5800			Elite
Karpo R2			RR	000.7		6100			Elite
PS 00078 XRN		SCN 1c	RR2X	000.7	BL	6400	na		PRIDE Seeds
Dario R2X			RR2X	000.9	BR	6900	11*		Prograin
DKB0009-89		1c, 1k	RR2X	000.9	BL	5300	na		DEKALB
S0009-M2		6	RR2Y	000.9	IY	5800	7		Syngenta Canada, Inc.
Sunna R2X			RR2X	00.1	G	5800	na		Elite
Mahony R2			RR2Y	00.2	IBL	5300	6		SeCan
NSC Arnaud RR2Y			RR2Y	00.2	BL	5800			Northstar Genetics
P002A19X		1k	RR2X	00.2	IY	6700	17*		Pioneer
DKB003-29		SCN	RR2X	00.3	BL	5100	14*		DEKALB
S003-Z4X		1c	RR2X	00.3	BF	6200			Syngenta Canada, Inc.
Bourke R2X		1k	RR2X	00.4	BL	6100	na		SeCan
Merritt R2X		SCN 1c, 1k	RR2X	00.4	BL	5400			SeCan
Mozart				00.4	Y	4600	na		Semican Inc.
PS 0044 XRN		SCN 1a	RR2X	00.4	BL	6300	12*		PRIDE Seeds
Bennie				00.5		5900			Elite
DKB005-52		SCN 1c	RR2X	00.5	BL	6100	11*		DEKALB
Kudo R2X			RR2X	00.5	BL	6100			Prograin
NSC Sperling RR2Y			RR2Y	00.5	Y	5700			Northstar Genetics
S007-Y4		1c	RR2Y	00.5	IY	5800	6		Syngenta Canada, Inc.
Vidar R2X			RR2X	00.5	BL	5800	na		Elite
DKB006-29		1k	RR2X	00.6	BL	5100	9*		DEKALB
DKB006-99		SCN 3a	RR2X	00.6	BL	5600	na		DEKALB
Dugaldo R2X			RR2X	00.6	Y	5800	na		Prograin
P006A37X		1c	RR2X	00.6	BR	5900	na		Pioneer
PS 0068 XR		1c	RR2X	00.6	BL	5600	na		PRIDE Seeds
Renuka R2X			RR2X	00.6		6600			Elite
S006-M4X		1c	RR2X	00.6	IY	6400	na		Syngenta Canada, Inc.
CF007X0		1k	RR2X	00.7	BR	5500			Country Farm Seeds Ltd.
Kendo R2			RR2Y	00.7	GR	5300	16		Prograin
OAC Cooper				00.7	Y	5600			Huron Commodities Inc.
PS 0074 R2			RR2Y	00.7	BR	6300	13		PRIDE Seeds
PS 0077 XRN		SCN 1k	RR2X	00.7	BL	5400			PRIDE Seeds
Windsor				00.7	LBR	4400	na		Semican Inc.
AAC Hensatto				00.8	Y	11200	na		Hensall Co-op
Astro R2			RR2Y	00.8	BL	5400	16		Prograin
Asuka				00.8	IY	4600	16		Synagri
DKB008-81			RR2X	00.8	GR	6400	18*		DEKALB
Lono R2			RR2Y	00.8	Y	6500			Elite
Meteor		HP		00.8	IY	4900	14		Sevita International





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

Variety	PBR	Notes	Herbicide Reaction	Relative Maturity†	Hilum Colour	Seeds per Kg	Phytophthora Root Rot % Plant Loss**	Distributor
NSC Winkler RR2X			RR2X	00.8	BL	5200		Northstar Genetics
S008-N2			RR2Y	00.8	BR	5100	19*	Syngenta Canada, Inc.
S008-T3X		SCN 1c, 3a	RR2X	00.8	BL	5400		Syngenta Canada, Inc.
AAC Invest 1605				00.9	Y	5600	24	Snobelen Farms
Akras R2		1k	RR2Y	00.9	BL	5600	11	Elite
Hana				00.9	Y	5200	16	Prograin
Jari				00.9	IY	5100	14	Elite
NSC JORDAN RR2Y			RR2Y	00.9	BL	5300	na	Northstar Genetics
PS 0098 XR		1k	RR2X	00.9	BL	6000	na	PRIDE Seeds
Nordika				0.0	Y	4300	10	Pedigrain
PRO 2525R2			RR2Y	0.0	BL	4900	15	Sevita International
DKB01-11		SCN 1c	RR2X	0.1	BL	5400	10*	DEKALB
Hydra R2		1k	RR2Y	0.1	IBL	5300	10	Elite
LS 008R21			RR2Y	0.1	BR	5400	9	Sevita International
P01A84X		SCN 1c, 6	RR2X	0.1	BR	5100	na	Pioneer
S01-C4X		1c	RR2X	0.1	BL	5800	9*	Syngenta Canada, Inc.
CF2608Xt		1c, 1k	RR2X	0.2	BL	6000	5*	Country Farm Seeds Ltd.
Donaldo R2X			RR2X	0.2	BL	5600	na	Prograin
Kyoto				0.2	Y	5000	9	Synagri
NS 90214E3		3a	E3	0.2	BR	7200		Northstar Genetics
PRO 03X74		1c	RR2X	0.2	BR	5600	8*	Sevita International
PS 0229 XRN		SCN	RR2X	0.2	BL	5600		PRIDE Seeds
Rico R2X			RR2X	0.2		6100		Prograin
AAC Hoshi				0.3	Y	8900	23	Huron Commodities Inc.
AAC Shinju		1c		0.3	Y	9100	21	Huron Commodities Inc.
Astor			MS	0.3	Y	4500	36	Sevita International
B039Y1			RR2Y	0.3	BL	5000	8	BREVANT
Celebrity		SCN		0.3	IY	5500	5	Hensall Co-op
CF03X0		1c, 1k	RR2X	0.3	IBL	5000		Country Farm Seeds Ltd.
Chikala				0.3	Y	9800	37	Huron Commodities Inc.
NS 90334E3		3a	E3	0.3	BF	5600		Northstar Genetics
Panorama				0.3	Y	4700	10	Sevita International
PRO 2535R2		1k	RR2Y	0.3	BL	4700	11	Sevita International
PS 0333 XRN		SCN 1c, 1k	RR2X	0.3	BL	5100	10*	PRIDE Seeds
S03-W4		1c		0.3	IY	4800	10*	Syngenta Canada, Inc.
Absent				0.4	IY	4900		Hensall Co-op
DKB04-41		1c	RR2X	0.4	GR	6300	6*	DEKALB
Enzo E3			E3	0.4		6900		Prograin
Excursion R2X		SCN 1c	RR2X	0.4	BL	5400	4*	SeCan
NS 90414E3		3a	E3	0.4	BF	6100		Northstar Genetics
OAC Champion				0.4	IY	4900	11	Sevita International
OAC Strive				0.4	IY	4400	10	SeCan
P04A60R		1k	RR	0.4	BR	4800	6*	Pioneer
PS 0416 R2		1c	RR2Y	0.4	BL	5700	9	PRIDE Seeds
RX Ignite		1c	RR2X	0.4	IBL	5400	na	Elite





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Variety	PBR	Notes	Herbicide Reaction	Relative Maturity†	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
							Root Rot %	Plant Loss**	
S04-D3		1c	RR2Y	0.4	BL	5300	12		Syngenta Canada, Inc.
Yoko R2X			RR2X	0.4	BL	5500			Prograin
AAC Larkin				0.5	Y	10400	na		Sevita International
Chiba				0.5	Y	4700	na		Elite
Hull R2X		SCN	RR2X	0.5	BF	6100			SeCan
NS 90504E3		3a	E3	0.5	BF	6000			Northstar Genetics
NS 90544NE3		SCN	E3	0.5	BF	6400			Northstar Genetics
OAC Acclaim				0.5	IY	4500	8		Huron Commodities Inc.
OAC Lakeview				0.5	Y	5000	13		SeCan
PS 0555 XRN		SCN 1c	RR2X	0.5	BL	6100	8*		PRIDE Seeds
S05-N5X		1c, 3a	RR2X	0.5	BR	5700			Syngenta Canada, Inc.
Salto R2		3a	RR2Y	0.5	BR	5700	6*		Prograin
Taurus				0.5	IY	5000	13		Prograin
Woden R2X			RR2X	0.5	BL	5400	na		Elite
Altitude R2		3a	RR2Y	0.6	BR	4700	18		SeCan
B061FE			E3	0.6		5900			BREVANT
Cypress				0.6	Y	5000	9		Sevita International
Deniro R2X			RR2X	0.6	BR	5700	8*		Prograin
DKB06-28		SCN 3a	RR2X	0.6	BL	5200	na		DEKALB
OAC Durham				0.6	Y	4400	6		Snobelen Farms
OAC Evolution				0.6	IY	5000	16		SeCan
P06A13R		1c	RR	0.6	BF	4800	7*		Pioneer
P06A51X		1k	RR2X	0.6	BR	4700	na		Pioneer
PRO 06X93N		SCN	RR2X	0.6	BL	5600			Sevita International
S07-D2		3a		0.6	Y	4500	6		Syngenta Canada, Inc.
Angelica				0.7	IY	4500	18		C&M Seeds
Expand R2X		SCN 1c	RR2X	0.7	BL	5000	na		SeCan
Extent R2X		SCN 1c	RR2X	0.7	BL	5800	na		SeCan
Marula				0.7	Y	4300	14		Prograin
Miko R2			RR2Y	0.7	BR	5100	10		Prograin
Nagoya				0.7	Y	5400	7		Synagri
NS 90764E3		3a	E3	0.7	IBL	5600			Northstar Genetics
OAC Bounty				0.7	IY	4600	6		SeCan
OAC Prescott				0.7	GR	4700	23		SeCan
OAC Wallace				0.7	BR	5000	15		SeCan
PRO 2625R2			RR2Y	0.7	BL	4800	9		Sevita International
PRO 2735R2C		SCN 1k	RR2Y	0.7	IBL	5400	10		Sevita International
PS 0779 XRN		SCN 1c	RR2X	0.7	BL	6200			PRIDE Seeds
S07-K5X		3a	RR2X	0.7	GR	4900	7*		Syngenta Canada, Inc.
Ajico		1c		0.8	IY	4800	6		Elite
B088Y1		1k	RR2Y	0.8	Y	4600	8		BREVANT
Draco R2X			RR2X	0.8	BR	5500	na		Prograin
Ezra				0.8	IY	4900	6*		Prograin
LS 08E965N		3a	E3	0.8	BF	6400			Legend Seeds
Neptune				0.8	IY	4100	12		Sevita International

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Variety	PBR	Notes	Herbicide Reaction	Relative Maturity†	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
							Root Rot %	Plant Loss**	
OAC Drayton				0.8	LBR	5200	5		Snobelen Farms
P08T96R		1c	RR	0.8	BF	4800	15		Pioneer
PRO 07X76N		SCN 3a	RR2X	0.8	BL	6200	7*		Sevita International
PRO 08EL926N		SCN	E3	0.8	IBL				Sevita International
PRO 09X236N		SCN 1c	RR2X	0.8	IBL	5900	na		Sevita International
S07-M8		1c		0.8	IY	4500	8		Syngenta Canada, Inc.
Vertigo R2		SCN 1k	RR2Y	0.8	Y	5200	5*		Prograin
AAC Kovik				0.9	Y	5000			SG Ceresco, Inc.
B091FE		1c	E3	0.9		5700			BREVANT
Beliveau R2X		SCN 1k, 3a	RR2X	0.9	BR	5300			SeCan
CF09X9		SCN 1c, 3a	RR2X	0.9	BF	5800	na		Country Farm Seeds Ltd.
Genesis				0.9	Y	4500	16		Sevita International
Havane				0.9	Y	4500	4		SG Ceresco, Inc.
NS 90904NE3		SCN 7	E3	0.9	IBL	5900			Northstar Genetics
P09A53X		1k	RR2X	0.9	BR	4600	5*		Pioneer
P09A62X		1c	RR2X	0.9	BF	4800	na		Pioneer
S09-C3X		SCN 1c	RR2X	0.9	BL	4900	8*		Syngenta Canada, Inc.
S09-R8X		SCN 1c	RR2X	0.9	IY	5400	na		Syngenta Canada, Inc.
Acora		1c		1.0	IY	4700	9		Prograin
Costo R2X			RR2X	1.0	BR	5500			Prograin
DKB10-20		SCN 1c	RR2X	1.0	IBL	5600	na		DEKALB
Expert R2X		SCN 1k	RR2X	1.0	BL	6300	na		SeCan
Katonda R2		1k	RR2Y	1.0	BL	5200	10		Elite
Modano R2X		SCN 1k	RR2X	1.0	BL	5700			SeCan
P10T48R		1c	RR	1.0	BF	4900	10		Pioneer
Rx Response		SCN 1c	RR2X	1.0	BL	4600	10*		Elite
S10-R2		SCN		1.0	Y	4900	5		Syngenta Canada, Inc.
Skyline		SCN		1.0	Y	5000	6		Sevita International
CF2858Xt		SCN 1c	RR2X	1.1	BR	5200	13*		Country Farm Seeds Ltd.
Eider				1.1	Y	4500	6		SG Ceresco, Inc.
Emperor				1.1	IY	4000	20		Sevita International
Maxo R2			RR2Y	1.1	BR	5100	25		Prograin
P11A10				1.1	Y	4700	5*		Pioneer
PRO 11X926		3a	RR2X	1.1	BR	5700			Sevita International
PS 1119 XRN		SCN	RR2X	1.1	BL	5200			PRIDE Seeds
PS 1162 R2		1c	RR2Y	1.1	BL	6000	17		PRIDE Seeds
Atena				1.2	IY	4500			Prograin
CF31GR		SCN 1c	RR2Y	1.2	BL	5500	5		Country Farm Seeds Ltd.
DH530				1.2	IY	5000	24		Sevita International
DKB12-16		SCN 1c	RR2X	1.2	BL	6200	na		DEKALB
Dofino R2X			RR2X	1.2	BL	5200	2*		Prograin
Maris R2X			RR2X	1.2	BR	5800	na		Elite
NS 91224NE3		SCN 1k	E3	1.2	BF	5800			Northstar Genetics
OAC Adare				1.2	IY	4600	17		Hensall Co-op
PRO 12X236N		SCN 1c	RR2X	1.2	BL	5100	na		Sevita International

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Variety	PBR	Notes	Herbicide Reaction	Relative Maturity†	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
							Root Rot %	Plant Loss**	
S12-J7		SCN 1c, 3a		1.2	Y	4500			Syngenta Canada, Inc.
S12-P3X		SCN 1k	RR2X	1.2	BR	4900	na		Syngenta Canada, Inc.
Zana				1.2	Y	4800	15		Prograin
CF13X9		SCN 1c	RR2X	1.3	BL	5500	na		Country Farm Seeds Ltd.
Edge R2X		SCN 1c	RR2X	1.3	BL	5100	9*		SeCan
Karra				1.3	Y	4800	11		Prograin
Osaka				1.3	Y	5000	8		Synagri
PRO 13X836N		SCN 1c, 3a	RR2X	1.3	BL	5800			Sevita International
PS 1338 XRN		SCN 1c	RR2X	1.3	BL	5400	na		PRIDE Seeds
RX Laser		SCN 1c, 3a	RR2X	1.3	BL	5600	na		Elite
Volcano R2			RR2Y	1.3	BR	4400	8*		Prograin
Azalea				1.4	IY	4700	16		Sevita International
Dionne R2X		SCN	RR2X	1.4	BL	5900			SeCan
DKB14-41		SCN	RR2X	1.4	IBL	4900	9*		DEKALB
P14A23L		SCN 1c	LL	1.4	BR	5200	na		Pioneer
PRO 14X96N		SCN 1c, 1k	RR2X	1.4	IBL	5900			Sevita International
S14-B2X		SCN 1c	RR2X	1.4	BL	5200	7*		Syngenta Canada, Inc.
S14-U9X		SCN 1c	RR2X	1.4	BR	5700			Syngenta Canada, Inc.
B150Y1		1k	RR2Y	1.5	Y	4700	11		BREVANT
Cyclone R2X			RR2X	1.5		5500			Elite
DKB15-54		SCN 1c	RR2X	1.5	BL	4800	na		DEKALB
Laurentian		SCN		1.5	Y	9200	na		Sevita International
LS 15E920N		SCN	E3	1.5	IBL	5400			Legend Seeds
P15A63X		SCN 1k	RR2X	1.5	BL	4700	17*		Pioneer
DH4202				1.6	Y	4400	24		Sevita International
NS 91684NE3		SCN 7	E3	1.6	IBL	5500			Northstar Genetics
OAC Avatar				1.6	IY	4700	17		SeCan
OAC Calypso				1.6	IY	4800	18		Sevita International
OAC Prosper		SCN		1.6	Y	4700	7		Huron Commodities Inc.
P16A13X		SCN 1c	RR2X	1.6	IBL	5500	na		Pioneer
PRO 15X926N		SCN 1c	RR2X	1.6	IBL	5700			Sevita International
PRO 16X346N		SCN 3a	RR2X	1.6	BL	5700	na		Sevita International
Rondo R2X			RR2X	1.6		5400			Prograin
RX Columbia		SCN	RR2X	1.6	BL	5500	na		Elite
S14-H3		SCN		1.6	IY	4300	9		Syngenta Canada, Inc.
S16-F5		SCN 1c		1.6	Y	4100	11		Syngenta Canada, Inc.
CF17X0		SCN 1c	RR2X	1.7	IBL	5500			Country Farm Seeds Ltd.
CF3008Xt		SCN 1c	RR2X	1.7	BF	5300	19*		Country Farm Seeds Ltd.
EXP1719XRN		SCN	RR2X	1.7	BL	5600			PRIDE Seeds
P18A98X		SCN 1c	RR2X	1.8	IBL	5000	na		Pioneer
PRO 3025R2C		SCN 1k	RR2Y	1.8	BL	5200	10		Sevita International
PS 1888 XRN		SCN 1c	RR2X	1.8	BL	6000	4*		PRIDE Seeds
Rx Stacatto		SCN	RR2X	1.8	BR	5900	6*		Elite
S18-G4X		SCN 1c	RR2X	1.8	BL	5200	19*		Syngenta Canada, Inc.
S18-H3X		SCN	RR2X	1.8	BL	5100	na		Syngenta Canada, Inc.



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Variety	PBR	Notes	Herbicide Reaction	Relative Maturity†	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
							Root Rot %	Plant Loss**	
B191FE		SCN 1c, 3a	E3	1.9	BF	5500			BREVANT
B194Y1		SCN 1c, 1k	RR2Y	1.9	BL	5100	13		BREVANT
Candor				1.9	Y	4000	11		Sevita International
CF19X9		SCN 1c	RR2X	1.9	IBL	5600	na		Country Farm Seeds Ltd.
HDC Blake				1.9	Y	4000	11		Hensall Co-op
P19A14X		SCN 1k	RR2X	1.9	BF	6100	16*		Pioneer
P19T39R2		SCN 1k	RR2Y	1.9	IBL	5200	13		Pioneer
PRO 19EL926N		SCN 1c	E3	1.9	IBL				Sevita International
CP2019RX		SCN 1k	RR2X	2.0	BL	5300			CROPLAN by WinField United
DKB20-14		SCN 1c	RR2X	2.0	IBL	6200	9*		DEKALB
OAC Bruton		SCN		2.0	Y	3900	7		SeCan
PS 2020 XRN		SCN 1c	RR2X	2.0	IBL	6000	4*		PRIDE Seeds
S20-L8X		SCN 1c	RR2X	2.0	BL	5200	11*		Syngenta Canada, Inc.
S20-M1		SCN 1c		2.0	Y	5400			Syngenta Canada, Inc.
DKB21-11		SCN 1c	RR2X	2.1	BL	6000	10*		DEKALB
OAC Kent				2.1	Y	4400	9		SeCan
P21A20				2.1	Y	5000	11*		Pioneer
P21A28X		SCN 1k	RR2X	2.1	BL	5700	7*		Pioneer
P21A81L		SCN 1c	LL	2.1	BR	5000	na		Pioneer
AAC Wigle		SCN		2.2	Y	4200	9*		SeCan
B221RX		SCN 1k	RR2X	2.2	BL	6800			BREVANT
DKB22-31		SCN 1c	RR2X	2.2	BL	5900	10*		DEKALB
NA 2300		SCN		2.2	Y	4700	8		New Age Seeds Inc
OAC Marvel		SCN		2.2	Y	4500	6		Huron Commodities Inc.
OAC Ramsay		SCN		2.2	Y	4100	8		SeCan
PRO 22X76N		SCN 1c	RR2X	2.2	IBL	5600	5*		Sevita International
PS 2229 XRN		SCN 1c	RR2X	2.2	IBL	5900			PRIDE Seeds
S22-J4X		SCN 1c	RR2X	2.2	BL	5300	5*		Syngenta Canada, Inc.
X790P		HP		2.2	Y	3900	14*		Hensall Co-op
AAC Big Ben		SCN		2.3	Y	4700	8*		Southwest Seeds
OAC Thamesville				2.3	Y	4600	18		Southwest Seeds
P23A15X		SCN 1c	RR2X	2.3	BR	5400	na		Pioneer
P23A32X		SCN 1c	RR2X	2.3	BR	5800	na		Pioneer
Rx Torque			RR2X	2.3		6300			Elite
SG 2311				2.3	Y	4700	7		Huron Commodities Inc.
Bossy R2X		SCN 1c	RR2X	2.4	IBL	6000			SeCan
DKB24-97		SCN 1c	RR2X	2.4	IBL	6100	14*		DEKALB
Express R2X		SCN 1c, 1k	RR2X	2.4	BL	5900	14*		SeCan
P24A80X		SCN 1k	RR2X	2.4	BL	6200	6*		Pioneer
PS 2444 XRN		SCN 1k	RR2X	2.4	BL	5900	9*		PRIDE Seeds
Rx Mirus			RR2X	2.4		6900			Elite
Rx Optimum		SCN 1c	RR2X	2.4	IBL	5700	7*		Elite
AAC 26-15		SCN		2.5	Y	4700	11		Huron Commodities Inc.
AAC Malden		SCN		2.5	Y	4200	10		SeCan
B251FE		SCN 1c	E3	2.5	BF	5900			BREVANT

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

Variety	PBR	Notes	Herbicide Reaction	Relative Maturity†	Hilum Colour	Seeds per Kg	Phytophthora		Distributor
							Root Rot %	Plant Loss**	
CF3176Xt		1c	RR2X	2.5	IBL	6100	10*		Country Farm Seeds Ltd.
DF 155				2.5	Y	4600	5		AGRIS Co-operative Ltd.
Executive R2X		SCN 3a	RR2X	2.5	BR	5600	3*		SeCan
P25A54X		SCN 1c	RR2X	2.5	BL	5200	na		Pioneer
P25A82L		SCN 1k	LL	2.5	BL	5100	na		Pioneer
PS 2555 XRN		SCN 1c	RR2X	2.5	IBL	6600	3*		PRIDE Seeds
S25-B6X		SCN 1c	RR2X	2.5	BR	5700	13*		Syngenta Canada, Inc.
PS 2666 XRN		SCN 1c	RR2X	2.6	IBL	5700	18*		PRIDE Seeds
CF3256Xt		SCN 1c	RR2X	2.7	DBR	6500	10*		Country Farm Seeds Ltd.
P27A17X		SCN 1k	RR2X	2.7	BL	6000	na		Pioneer
RX Ballistic		1c	RR2X	2.7	IBL	6200	11*		Elite
S27-M8X		SCN 1c	RR2X	2.7	IBL	6200			Syngenta Canada, Inc.
S27-U2X		SCN 1k	RR2X	2.7	BL	5500	na		Syngenta Canada, Inc.
Superior R2X			RR2X	2.7		5900			Elite
DKB28-81		SCN 1c	RR2X	2.8	IBL	5800	10*		DEKALB
P28A94X		SCN 1k	RR2X	2.8	IBL	5300	na		Pioneer
PS 2889XRN		SCN 1c, 1k	RR2X	2.8	IBL	7000	na		PRIDE Seeds
RX Regatta		SCN 1a, 1c	RR2X	2.8	BR	5600	na		Elite
DKB29-42		SCN 1c	RR2X	2.9	IBL	5800	na		DEKALB
P29A25X		SCN 1k	RR2X	2.9	BR	6100	na		Pioneer
P29A85L		SCN 1k	LL	2.9	BL	5200	na		Pioneer
S29-R5X		SCN 1k	RR2X	2.9	BR	6300	na		Syngenta Canada, Inc.
PS 3033 XRN		SCN 1c	RR2X	3.0	IBL	6700	4*		PRIDE Seeds
P31A22X		SCN 1k	RR2X	3.1	BR	5700	8*		Pioneer
S31-Y2X		SCN 1c	RR2X	3.1	BL	5300			Syngenta Canada, Inc.
DKB32-21		SCN 1c	RR2X	3.2	IBL	6200	5*		DEKALB
DKB33-54		SCN 1k, 3a	RR2X	3.3	IBL	5900	11*		DEKALB

**NOTES:**

1a, 1c, etc. - Phytoph. resist. genes  
 HP - High Protein  
 SCN - SCN Resistant  
 L-LA - Low-Linolenic Acid

**Plant Breeders' Rights**

pbr78 PBR 78  
  
 pbr91 PBR 91 or  
 PBR 91 pending  
 See pbrfacts.ca

**Herbicide Reaction**

RR - Roundup Ready  
 RR2Y - Roundup Ready 2 Yield  
 RR2X - Roundup Ready 2 Xtend  
 E3 - Enlist E3  
 LL - Liberty Link  
 MS - Metribuzin Sensitive

†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.

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### TABLE 2a.1 AGRONOMIC DATA AT MATURITY GROUP 00 (2100-2300 HU) AREAS , RR TEST 2019

Variety	Days to Mature	NEW LISKEARD Yield Index			Plant Height (cm)	Lodging 1=standing 5=flat
		1 year	2 year	3 year		
S0009-M2	102	93	88	<b>94</b>	52	--
Dario R2X	102	95	84	<b>83</b>	57	--
DKB0005-44	102	98	90	--	46	--
P002A19X	102	85	83	<b>83</b>	51	--
DKB0009-89	103	96	98	--	45	--
PS 00078 XRN	103	85	83	--	41	--
Akras R2	104	89	101	<b>96</b>	47	--
Bourke R2X	105	106	108	--	63	--
Mahony R2	106	100	111	<b>116</b>	52	--
S006-M4X	106	98	97	--	45	--
S007-Y4	107	112	107	<b>106</b>	56	--
DKB003-29	107	90	101	<b>98</b>	52	--
PS 0068 XR	107	111	103	--	59	--
P006A37X	107	111	108	--	55	--
Dugaldo R2X	108	114	102	--	61	--
S008-N2	108	112	118	<b>119</b>	64	--
Sunna R2X	109	86	93	--	54	--
PS 0044 XRN	109	86	88	<b>91</b>	53	--
Kendo R2	110	113	105	<b>101</b>	69	--
DKB005-52	110	108	106	<b>106</b>	52	--
DKB006-29	110	106	105	<b>104</b>	58	--
PS 0074 R2	110	118	118	--	56	--
DKB006-99	111	90	90	--	46	--
Astro R2	116	114	111	<b>103</b>	58	--
DTM (1yr)						
Amirani R2	97	87	--	--	--	--
Nocomo R2	97	87	--	--	--	--
Varuna R2	97	88	--	--	--	--
Fresco R2X	99	71	--	--	--	--
Karpo R2	100	96	--	--	--	--
S003-Z4X	100	93	--	--	--	--
NSC Sperling RR2Y	105	112	--	--	--	--
PS 0077 XRN	105	106	--	--	--	--
NSC Arnaud RR2Y	106	108	--	--	--	--
NSC JORDAN RR2Y	106	107	--	--	--	--
Kudo R2X	107	98	--	--	--	--
NSC Winkler RR2X	107	121	--	--	--	--
S008-T3X	107	112	--	--	--	--
LSD (0.10)		9	6	<b>6</b>		
Average yield (T/ha)		2.63	2.75	<b>2.69</b>		
(bu/ac)		39.0	40.8	<b>39.9</b>		

Testing Locations: Table 2a.1			
New Liskeard	2017	2018	2019

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TABLE 2.1 AGRONOMIC DATA AT MATURITY GROUP 00 (2300-2500 HU) AREAS , RR TEST 2019

Variety	Days to Mature	AVERAGE Yield Index			ARTHUR Yield Index		DUNDALK Yield Index		ELORA 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		
S006-M4X	109	89	91	--	86	--	84	--	99	--	62	1.1
S007-Y4	109	95	92	<b>88</b>	92	<b>85</b>	91	<b>86</b>	93	<b>92</b>	60	1.1
S008-N2	110	102	102	<b>101</b>	97	<b>98</b>	106	<b>104</b>	102	<b>100</b>	74	1.4
PS 0068 XR	110	89	87	--	84	--	88	--	89	--	65	1.1
Dugaldo R2X	110	84	82	--	81	--	89	--	77	--	65	1.2
Hydra R2	111	108	101	<b>100</b>	101	<b>99</b>	107	<b>101</b>	97	<b>100</b>	67	1.1
NSC JORDAN RR2Y	111	93	95	--	91	--	97	--	98	--	61	1.1
DKB006-99	111	90	85	--	85	--	83	--	86	--	56	1.1
PS 0074 R2	111	112	109	<b>107</b>	110	<b>104</b>	110	<b>112</b>	108	<b>105</b>	69	1.5
S01-C4X	112	102	99	<b>93</b>	98	<b>90</b>	94	<b>85</b>	104	<b>102</b>	70	1.2
Kendo R2	112	105	101	<b>98</b>	99	<b>97</b>	100	<b>96</b>	102	<b>101</b>	72	1.1
DKB006-29	112	95	95	<b>95</b>	95	<b>95</b>	93	<b>97</b>	96	<b>95</b>	63	1.2
PRO 2525R2	113	101	102	<b>102</b>	104	<b>103</b>	101	<b>103</b>	100	<b>99</b>	73	1.2
LS 008R21	113	101	106	<b>106</b>	108	<b>112</b>	110	<b>108</b>	100	<b>100</b>	70	1.2
PS 0098 XR	113	107	104	--	105	--	105	--	104	--	64	1.2
Astro R2	114	108	111	<b>104</b>	117	<b>107</b>	112	<b>106</b>	104	<b>100</b>	72	1.2
P01A84X	115	109	104	--	114	--	90	--	107	--	66	1.1
DKB008-81	115	100	105	<b>97</b>	103	<b>96</b>	105	<b>93</b>	108	<b>100</b>	67	1.0
Salto R2	115	100	105	<b>103</b>	109	<b>107</b>	103	<b>100</b>	102	<b>101</b>	61	1.1
PRO 2535R2	116	107	106	<b>107</b>	109	<b>108</b>	108	<b>110</b>	103	<b>104</b>	77	1.4
CF2608Xt	116	92	106	--	109	--	108	--	103	--	78	1.4
DKB04-41	117	112	111	--	108	--	114	--	111	--	67	1.1
Maris R2X	118	106	101	--	95	--	100	--	107	--	67	1.0
DTM												
Renuka R2X	104	83	--	--	--	--	--	--	--	--	--	--
Merritt R2X	106	91	--	--	--	--	--	--	--	--	--	--
NSC Sperling RR2Y	106	98	--	--	--	--	--	--	--	--	--	--
NSC Arnaud RR2Y	107	97	--	--	--	--	--	--	--	--	--	--
S008-T3X	107	100	--	--	--	--	--	--	--	--	--	--
Lono R2	107	98	--	--	--	--	--	--	--	--	--	--
PS 0077 XRN	107	105	--	--	--	--	--	--	--	--	--	--
Kudo R2X	108	101	--	--	--	--	--	--	--	--	--	--
NSC Winkler RR2X	108	104	--	--	--	--	--	--	--	--	--	--
Rico R2X	109	107	--	--	--	--	--	--	--	--	--	--
CF007X0	109	92	--	--	--	--	--	--	--	--	--	--
PRO 03X74	109	106	--	--	--	--	--	--	--	--	--	--
Yoko R2X	111	108	--	--	--	--	--	--	--	--	--	--
DKB01-11	114	113	--	--	--	--	--	--	--	--	--	--
CF03X0	114	87	--	--	--	--	--	--	--	--	--	--
S05-N5X	115	100	--	--	--	--	--	--	--	--	--	--
LSD (0.10)		6	5	<b>4</b>	9	<b>8</b>	10	<b>8</b>	6	<b>5</b>		
Average yield (bu/ac)		2.69	2.85	<b>2.70</b>	2.72	<b>2.71</b>	2.47	<b>2.36</b>	3.38	<b>3.04</b>		
		40.0	42.3	<b>40.1</b>	40.3	<b>40.2</b>	36.6	<b>35.0</b>	50.1	<b>45.0</b>		

Testing Locations: Table 2.1			
Arthur	2017	2018	2019
Dundalk	2017	2018	2019
Elora	2017	2018	2019

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TABLE 3.1 AGRONOMIC DATA AT MATURITY GROUP 0 (2500-2800 HU) AREAS , RR TEST 2019

Variety	Days to Mature	AVERAGE Yield Index			BRUSSELS Yield Index		ELORA Yield Index		OTTAWA Yield Index		PORT HOPE 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		
Dugaldo R2X	106	76	74	--	77	--	71	--	75	--	73	--	69	1.3
S01-C4X	108	96	94	<b>91</b>	91	<b>88</b>	96	<b>96</b>	100	<b>96</b>	89	<b>87</b>	74	1.2
CF09X9	109	76	87	--	92	--	93	--	88	--	75	--	72	1.1
Astro R2	109	93	93	<b>91</b>	98	<b>94</b>	92	<b>95</b>	88	<b>88</b>	91	<b>88</b>	73	1.3
PRO 03X74	109	100	100	<b>99</b>	103	<b>98</b>	99	<b>98</b>	93	<b>95</b>	102	<b>104</b>	74	1.3
Donaldo R2X	109	99	90	--	91	--	88	--	84	--	96	--	68	1.3
S04-D3	110	99	98	<b>97</b>	98	<b>100</b>	100	<b>99</b>	100	<b>95</b>	97	<b>94</b>	77	1.2
LS 008R21	110	92	91	<b>92</b>	89	<b>87</b>	94	<b>94</b>	96	<b>95</b>	86	<b>91</b>	73	1.3
PRO 2535R2	110	97	94	<b>94</b>	99	<b>95</b>	93	<b>94</b>	96	<b>93</b>	89	<b>94</b>	82	1.6
PS 0333 XRN	111	99	93	<b>93</b>	99	<b>94</b>	90	<b>90</b>	87	<b>92</b>	95	<b>95</b>	72	1.1
P04A60R	111	90	92	<b>93</b>	93	<b>96</b>	94	<b>94</b>	90	<b>91</b>	92	<b>93</b>	70	1.1
RX Ignite	112	96	95	--	97	--	88	--	100	--	97	--	69	1.1
CF2608Xt	112	88	90	<b>91</b>	91	<b>94</b>	94	<b>96</b>	92	<b>92</b>	84	<b>85</b>	81	1.4
PS 0555 XRN	112	101	97	<b>94</b>	97	<b>88</b>	98	<b>96</b>	97	<b>95</b>	95	<b>97</b>	70	1.4
Salto R2	112	96	97	<b>96</b>	99	<b>99</b>	94	<b>92</b>	94	<b>95</b>	100	<b>98</b>	67	1.2
DKB04-41	112	98	97	<b>93</b>	92	<b>92</b>	95	<b>91</b>	95	<b>91</b>	104	<b>97</b>	68	1.2
Excursion R2X	113	91	95	<b>96</b>	98	<b>100</b>	96	<b>96</b>	96	<b>93</b>	89	<b>93</b>	79	1.3
Woden R2X	113	105	102	--	109	--	102	--	98	--	98	--	77	1.2
PS 0416 R2	113	107	100	<b>101</b>	103	<b>106</b>	99	<b>100</b>	101	<b>102</b>	96	<b>95</b>	70	1.1
Draco R2X	113	97	96	--	97	--	96	--	99	--	94	--	67	1.1
DKB06-28	113	102	100	--	100	--	102	--	105	--	94	--	78	1.3
Deniro R2X	113	93	92	<b>93</b>	92	<b>91</b>	91	<b>90</b>	93	<b>96</b>	91	<b>94</b>	63	1.2
Extent R2X	114	101	100	--	97	--	104	--	99	--	102	--	76	1.2
PRO 2735R2C	114	110	108	<b>106</b>	110	<b>109</b>	109	<b>106</b>	96	<b>97</b>	114	<b>112</b>	67	1.1
PRO 2625R2	114	108	105	<b>103</b>	106	<b>102</b>	104	<b>104</b>	100	<b>101</b>	107	<b>104</b>	74	1.2
B039Y1	114	108	104	<b>106</b>	107	<b>109</b>	106	<b>106</b>	100	<b>103</b>	101	<b>104</b>	76	1.3
P06A51X	114	103	101	--	102	--	101	--	102	--	101	--	76	1.5
S07-K5X	115	104	103	<b>104</b>	98	<b>99</b>	107	<b>106</b>	104	<b>104</b>	105	<b>107</b>	75	1.2
PRO 09X236N	115	99	101	--	97	--	104	--	106	--	98	--	77	1.4
P08T96R	115	106	101	<b>102</b>	102	<b>106</b>	101	<b>97</b>	102	<b>104</b>	99	<b>98</b>	70	1.1
P06A13R	115	99	100	<b>98</b>	99	<b>93</b>	104	<b>103</b>	104	<b>105</b>	93	<b>94</b>	63	1.1
Expand R2X	115	103	103	--	104	--	101	--	97	--	111	--	69	1.1
S09-R8X	116	104	104	--	108	--	102	--	100	--	105	--	74	1.3
Miko R2	116	112	114	<b>110</b>	114	<b>107</b>	112	<b>112</b>	113	<b>111</b>	115	<b>111</b>	77	1.4
Vertigo R2	116	107	105	<b>104</b>	103	<b>106</b>	101	<b>98</b>	106	<b>106</b>	108	<b>106</b>	70	1.1
DKB10-20	116	105	106	--	107	--	105	--	108	--	105	--	74	1.2
PRO 07X76N	116	105	103	<b>102</b>	103	<b>102</b>	106	<b>105</b>	108	<b>108</b>	98	<b>94</b>	83	1.4
S09-C3X	117	106	105	<b>106</b>	97	<b>101</b>	102	<b>101</b>	107	<b>104</b>	115	<b>116</b>	72	1.5
P09A53X	117	120	112	<b>112</b>	108	<b>115</b>	116	<b>114</b>	111	<b>109</b>	115	<b>109</b>	75	1.1
Altitude R2	117	114	113	<b>111</b>	111	<b>110</b>	111	<b>109</b>	108	<b>109</b>	120	<b>115</b>	70	1.2
S12-P3X	117	109	107	--	100	--	107	--	105	--	115	--	73	1.1
P09A62X	117	116	111	--	108	--	112	--	113	--	114	--	69	1.2
B088Y1	118	111	113	<b>111</b>	112	<b>111</b>	107	<b>106</b>	115	<b>113</b>	117	<b>115</b>	75	1.2
CF2858Xt	119	104	103	--	99	--	103	--	111	--	100	--	77	1.2
Katonda R2	120	100	104	<b>104</b>	100	<b>105</b>	106	<b>106</b>	110	<b>109</b>	101	<b>99</b>	76	1.1
Rx Response	120	112	109	<b>108</b>	107	<b>107</b>	104	<b>107</b>	109	<b>108</b>	116	<b>112</b>	76	1.3
DTM (1yr)														
Yoko R2X	109	100	--	--	--	--	--	--	--	--	--	--	--	--
NS 90214E3	109	81	--	--	--	--	--	--	--	--	--	--	--	--
Enzo E3	110	87	--	--	--	--	--	--	--	--	--	--	--	--
PS 0229 XRN	110	99	--	--	--	--	--	--	--	--	--	--	--	--
CF03X0	111	102	--	--	--	--	--	--	--	--	--	--	--	--
NS 90334E3	112	84	--	--	--	--	--	--	--	--	--	--	--	--
Hull R2X	112	93	--	--	--	--	--	--	--	--	--	--	--	--
S05-N5X	113	98	--	--	--	--	--	--	--	--	--	--	--	--
B061FE	114	95	--	--	--	--	--	--	--	--	--	--	--	--
NS 90544NE3	114	97	--	--	--	--	--	--	--	--	--	--	--	--
NS 90414E3	114	80	--	--	--	--	--	--	--	--	--	--	--	--
PRO 06X93N	114	101	--	--	--	--	--	--	--	--	--	--	--	--
PS 0779 XRN	115	108	--	--	--	--	--	--	--	--	--	--	--	--
B091FE	116	90	--	--	--	--	--	--	--	--	--	--	--	--
NS 90764E3	116	97	--	--	--	--	--	--	--	--	--	--	--	--
Costo R2X	117	107	--	--	--	--	--	--	--	--	--	--	--	--
Beliveau R2X	118	105	--	--	--	--	--	--	--	--	--	--	--	--
LS 08E965N	118	100	--	--	--	--	--	--	--	--	--	--	--	--
PRO 11X926	118	99	--	--	--	--	--	--	--	--	--	--	--	--
CF31GR	118	111	--	--	--	--	--	--	--	--	--	--	--	--
CF13X9	120	109	--	--	--	--	--	--	--	--	--	--	--	--
LSD (0.10)		7	4	4	9	8	7	6	6	5	10	8		
Average yield (T/ha)		3.33	3.71	<b>3.55</b>	4.15	<b>3.89</b>	3.67	<b>3.29</b>	3.20	<b>3.26</b>	3.84	<b>3.78</b>		
(bu/ac)		49.3	55.1	<b>52.7</b>	61.5	<b>57.7</b>	54.4	<b>48.8</b>	47.5	<b>48.3</b>	56.9	<b>56.1</b>		

Testing Locations: Table 3.1				
Brussels	2017	2018	2019	
Elora	2017	2018	2019	
Ottawa	2017	2018	2019	
Port Hope	2017	2018	2019	



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TABLE 3.2 AGRONOMIC DATA AT MATURITY GROUP 0 (2500-2800 HU) AREAS , CONVENTIONAL TEST 2019

Variety	Days to Mature	AVERAGE Yield Index			BRUSSELS Yield Index		ELORA Yield Index		OTTAWA Yield Index		PORT HOPE 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		
AAC Hensatto	106	73	68	--	58	--	70	--	79	--	63	--	57	1.3
Meteor	107	87	87	<b>85</b>	88	<b>83</b>	93	<b>89</b>	85	<b>82</b>	84	<b>85</b>	70	1.5
Mozart	107	97	90	--	90	--	93	--	87	--	90	--	68	1.2
Chikala	109	83	81	<b>77</b>	87	<b>82</b>	84	<b>84</b>	82	<b>73</b>	73	<b>71</b>	68	1.3
Jari	109	97	96	<b>94</b>	97	<b>95</b>	100	<b>103</b>	94	<b>83</b>	95	<b>96</b>	79	1.5
AAC Invest 1605	109	89	87	<b>86</b>	91	<b>88</b>	97	<b>91</b>	85	<b>81</b>	78	<b>83</b>	75	2.0
AAC Shinju	111	82	81	<b>79</b>	85	<b>81</b>	89	<b>90</b>	78	<b>77</b>	72	<b>71</b>	75	1.6
AAC Larkin	111	88	86	--	84	--	89	--	87	--	82	--	74	1.7
Astor	112	100	92	<b>95</b>	89	<b>92</b>	95	<b>97</b>	96	<b>99</b>	88	<b>91</b>	65	1.2
Hana	112	91	93	<b>92</b>	88	<b>87</b>	95	<b>96</b>	99	<b>98</b>	89	<b>88</b>	66	1.1
Celebrity	112	108	94	<b>93</b>	115	<b>102</b>	73	<b>79</b>	85	<b>92</b>	101	<b>96</b>	66	1.1
OAC Lakeview	112	101	102	<b>103</b>	94	<b>93</b>	105	<b>103</b>	106	<b>110</b>	104	<b>106</b>	74	1.6
Asuka	112	93	93	<b>92</b>	96	<b>92</b>	90	<b>92</b>	99	<b>95</b>	85	<b>88</b>	67	1.1
Panorama	112	103	101	<b>101</b>	108	<b>106</b>	102	<b>101</b>	94	<b>96</b>	102	<b>101</b>	60	1.2
S03-W4	112	101	98	<b>97</b>	96	<b>98</b>	103	<b>98</b>	92	<b>90</b>	103	<b>103</b>	74	1.2
Kyoto	113	96	95	<b>96</b>	88	<b>89</b>	101	<b>96</b>	95	<b>98</b>	98	<b>101</b>	69	1.1
S07-D2	113	105	104	<b>101</b>	108	<b>99</b>	105	<b>104</b>	101	<b>98</b>	102	<b>102</b>	83	1.6
S10-R2	114	110	107	<b>104</b>	114	<b>110</b>	101	<b>97</b>	99	<b>101</b>	114	<b>108</b>	77	1.5
OAC Strive	114	105	103	<b>100</b>	108	<b>107</b>	99	<b>94</b>	100	<b>95</b>	104	<b>105</b>	77	1.3
OAC Prescott	114	108	114	--	119	--	109	--	113	--	115	--	77	1.5
OAC Champion	114	100	98	<b>97</b>	98	<b>91</b>	102	<b>102</b>	97	<b>99</b>	97	<b>97</b>	81	1.8
Windsor	114	108	101	--	93	--	105	--	99	--	109	--	67	1.6
Chiba	115	99	102	--	111	--	96	--	96	--	104	--	83	1.1
OAC Bounty	115	103	109	<b>107</b>	107	<b>106</b>	108	<b>109</b>	114	<b>109</b>	107	<b>104</b>	75	1.4
S07-M8	115	107	105	<b>106</b>	103	<b>107</b>	102	<b>101</b>	110	<b>111</b>	104	<b>103</b>	69	1.1
OAC Drayton	115	114	110	<b>110</b>	110	<b>111</b>	109	<b>110</b>	106	<b>108</b>	116	<b>113</b>	76	1.3
OAC Evolution	116	103	110	<b>107</b>	100	<b>100</b>	109	<b>107</b>	116	<b>110</b>	113	<b>109</b>	76	1.2
Nagoya	116	99	100	<b>101</b>	98	<b>103</b>	94	<b>96</b>	97	<b>104</b>	109	<b>101</b>	68	1.1
Taurus	116	99	95	<b>95</b>	93	<b>90</b>	100	<b>101</b>	101	<b>97</b>	85	<b>92</b>	84	1.2
Cypress	116	105	109	<b>107</b>	111	<b>109</b>	108	<b>106</b>	108	<b>108</b>	109	<b>107</b>	71	1.1
OAC Acclaim	116	106	108	<b>108</b>	111	<b>109</b>	105	<b>109</b>	106	<b>108</b>	111	<b>106</b>	67	1.1
Osaka	116	105	104	<b>104</b>	98	<b>103</b>	99	<b>98</b>	106	<b>105</b>	110	<b>111</b>	70	1.5
OAC Durham	116	102	104	<b>102</b>	107	<b>107</b>	107	<b>107</b>	102	<b>94</b>	101	<b>101</b>	68	1.5
AAC Hoshi	116	96	94	<b>88</b>	90	<b>80</b>	95	<b>94</b>	97	<b>90</b>	94	<b>87</b>	83	2.1
Ajico	116	109	95	<b>104</b>	126	<b>118</b>	81	<b>94</b>	81	<b>101</b>	91	<b>102</b>	69	1.2
Nordika	116	105	100	<b>102</b>	96	<b>100</b>	97	<b>97</b>	99	<b>103</b>	106	<b>106</b>	76	1.5
OAC Wallace	117	116	110	--	106	--	112	--	112	--	110	--	76	1.4
Marula	117	99	104	<b>103</b>	100	<b>101</b>	105	<b>102</b>	108	<b>106</b>	102	<b>101</b>	84	1.1
Neptune	117	110	108	<b>108</b>	106	<b>105</b>	102	<b>101</b>	110	<b>110</b>	116	<b>114</b>	70	1.2
Angelica	118	106	107	<b>107</b>	109	<b>109</b>	105	<b>104</b>	113	<b>113</b>	101	<b>103</b>	84	1.4
Ezra	118	106	117	<b>116</b>	115	<b>115</b>	120	<b>120</b>	123	<b>121</b>	110	<b>110</b>	78	1.2
Genesis	118	114	114	<b>114</b>	113	<b>116</b>	118	<b>119</b>	111	<b>113</b>	113	<b>110</b>	77	1.6
Skyline	118	104	105	<b>105</b>	102	<b>103</b>	98	<b>97</b>	101	<b>108</b>	119	<b>111</b>	80	1.4
Emperor	121	112	114	<b>112</b>	115	<b>117</b>	106	<b>102</b>	118	<b>114</b>	115	<b>113</b>	72	1.2
DTM (1yr)														
Bennie	109	88	--	--	--	--	--	--	--	--	--	--	--	--
OAC Cooper	110	99	--	--	--	--	--	--	--	--	--	--	--	--
AAC Kovik	114	99	--	--	--	--	--	--	--	--	--	--	--	--
Absent	118	72	--	--	--	--	--	--	--	--	--	--	--	--
LSD (0.10)		7	5	<b>4</b>	12	<b>10</b>	6	<b>6</b>	7	<b>6</b>	10	<b>8</b>		
Average yield (T/ha)		2.81	3.22	<b>3.23</b>	3.24	<b>3.21</b>	2.97	<b>2.82</b>	3.40	<b>3.49</b>	3.28	<b>3.41</b>		
(bu/ac)		41.7	47.8	<b>47.9</b>	48.1	<b>47.6</b>	44.0	<b>41.8</b>	50.4	<b>51.7</b>	48.6	<b>50.5</b>		

Testing Locations: Table 3.2			
Brussels	2017	2018	2019
Elora	2017	2018	2019
Ottawa	2017	2018	2019
Port Hope	2017	2018	2019

Ontario Soybean And Canola Committee

TABLE 4.1 AGRONOMIC DATA AT MATURITY GROUP 1 (2700-2900 HU) AREAS , RR TEST 2019

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	3 year	2 year	3 year		
Miko R2	117	101	98	99	90	92	101	100	105	105	95	98	85	1.5
S07-K5X	117	97	94	--	89	--	99	--	94	--	93	--	83	1.2
S09-R8X	117	103	100	--	106	--	101	--	97	--	98	--	81	1.3
DKB10-20	118	92	94	--	102	--	86	--	94	--	97	--	82	1.2
Vidar R2X	118	79	89	--	96	--	87	--	91	--	83	--	78	1.1
Expert R2X	119	89	87	--	83	--	86	--	87	--	91	--	80	1.3
P09A53X	119	109	100	100	92	97	101	97	100	101	106	106	84	1.2
S09-C3X	119	101	100	98	105	102	100	99	90	93	105	101	80	1.3
Maxo R2	120	98	98	99	94	94	95	96	102	105	100	100	80	1.4
S12-P3X	120	97	102	--	102	--	99	--	99	--	108	--	82	1.2
P09A62X	120	102	99	--	94	--	105	--	96	--	102	--	76	1.2
PS 1162 R2	121	91	92	91	83	85	89	88	100	97	94	93	87	1.1
P10T48R	121	93	96	95	93	97	99	92	94	94	97	96	76	1.2
Dofino R2X	121	95	97	98	96	95	94	93	102	103	93	100	87	1.5
RX Laser	122	93	95	--	89	--	96	--	99	--	97	--	73	1.1
PS 1338 XRN	122	104	102	--	104	--	101	--	99	--	104	--	85	1.3
B088Y1	122	101	98	102	86	91	101	102	106	113	98	100	84	1.2
Edge R2X	122	90	94	96	93	94	92	94	99	100	91	95	84	1.2
Rx Response	122	99	101	--	103	--	101	--	101	--	97	--	81	1.5
DKB12-16	123	98	101	--	101	--	95	--	104	--	102	--	86	1.4
CF2858Xt	123	96	86	89	96	96	90	90	76	83	81	86	87	1.3
CF31GR	123	99	101	104	104	102	96	104	103	110	102	99	86	1.5
PRO 12X236N	123	95	96	--	98	--	95	--	92	--	99	--	92	1.3
CF13X9	123	97	100	--	101	--	102	--	99	--	96	--	84	1.4
Volcano R2	124	100	99	100	100	101	100	101	93	95	102	102	83	1.5
B150Y1	124	105	97	99	90	92	102	102	100	104	94	98	84	1.3
S14-B2X	125	104	100	97	102	102	102	100	99	93	97	93	80	1.3
PS 1888 XRN	126	111	107	104	110	109	104	100	108	103	107	104	87	1.5
RX Columbia	126	100	105	--	101	--	109	--	106	--	102	--	93	1.6
DKB14-41	126	104	102	100	105	106	101	99	98	99	103	98	87	1.5
PRO 16X346N	126	104	104	--	107	--	95	--	106	--	107	--	80	1.3
DKB15-54	126	102	104	--	103	--	104	--	105	--	103	--	93	1.3
P15A63X	126	108	106	104	111	107	102	102	101	100	112	109	81	1.4
S18-H3X	127	107	105	--	106	--	105	--	104	--	105	--	82	1.4
S18-G4X	127	103	107	102	106	103	106	106	108	96	108	104	89	1.4
P16A13X	128	102	100	--	107	--	106	--	101	--	85	--	89	1.4
PRO 3025R2C	129	104	106	107	107	106	114	115	105	106	99	103	93	1.5
CF3008Xt	129	102	107	103	109	109	107	104	106	100	105	98	83	1.2
P19T39R2	129	111	109	106	103	107	114	107	109	104	112	108	94	1.2
CF19X9	130	102	110	--	107	--	109	--	107	--	117	--	90	1.6
P18A98X	130	107	103	--	111	--	97	--	105	--	99	--	92	1.3
P19A14X	132	108	112	108	113	112	114	112	108	98	113	110	90	1.4
DTM (1yr)														
NS 90504E3	108	88	--	--	--	--	--	--	--	--	--	--	--	--
PRO 09X236N	108	93	--	--	--	--	--	--	--	--	--	--	--	--
PRO 07X76N	112	98	--	--	--	--	--	--	--	--	--	--	--	--
Modano R2X	112	101	--	--	--	--	--	--	--	--	--	--	--	--
PRO 11X926	112	97	--	--	--	--	--	--	--	--	--	--	--	--
PS 1119 XRN	112	98	--	--	--	--	--	--	--	--	--	--	--	--
S14-U9X	113	98	--	--	--	--	--	--	--	--	--	--	--	--
PRO 13X836N	113	101	--	--	--	--	--	--	--	--	--	--	--	--
PRO 14X96N	114	95	--	--	--	--	--	--	--	--	--	--	--	--
Rondo R2X	115	104	--	--	--	--	--	--	--	--	--	--	--	--
Dionne R2X	116	102	--	--	--	--	--	--	--	--	--	--	--	--
LS 15E920N	117	100	--	--	--	--	--	--	--	--	--	--	--	--
Cyclone R2X	118	103	--	--	--	--	--	--	--	--	--	--	--	--
EXP1719XRN	120	106	--	--	--	--	--	--	--	--	--	--	--	--
CF17X0	121	99	--	--	--	--	--	--	--	--	--	--	--	--
PRO 15X926N	121	109	--	--	--	--	--	--	--	--	--	--	--	--
B191FE	123	104	--	--	--	--	--	--	--	--	--	--	--	--
LSD (0.10)		8	5	4	15	10	6	6	5	5	10	7		
Average yield (T/ha)		4.32	4.44	4.33	4.29	4.38	4.57	4.23	4.87	4.56	4.03	4.15		
(bu/ac)		64.0	65.9	64.2	63.7	65.0	67.8	62.7	72.2	67.7	59.8	61.5		

Testing Locations: Table 4.1				
Exeter	2017	2018	2019	
St. Marys	2017	2018	2019	
Winchester	2017	2018	2019	
Woodstock	2017	2018	2019	

# Ontario Soybean And Canola Committee

## TABLE 4.2 AGRONOMIC DATA AT MATURITY GROUP 1 (2700-2900 HU) AREAS , CONVENTIONAL TEST 2019

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	3 year	2 year	3 year		
Nagoya	116	89	93	<b>94</b>	91	<b>93</b>	96	<b>94</b>	90	<b>93</b>	97	<b>96</b>	78	1.1
S10-R2	116	96	95	<b>93</b>	101	<b>101</b>	94	<b>93</b>	88	<b>87</b>	97	<b>90</b>	85	1.6
Kyoto	116	83	84	<b>85</b>	88	<b>89</b>	79	<b>77</b>	86	<b>89</b>	83	<b>80</b>	72	1.2
Neptune	117	94	94	<b>97</b>	93	<b>99</b>	93	<b>94</b>	97	<b>101</b>	94	<b>93</b>	76	1.2
Osaka	117	94	94	<b>94</b>	99	<b>98</b>	97	<b>94</b>	94	<b>94</b>	85	<b>88</b>	77	1.2
Karra	117	96	95	<b>96</b>	96	<b>97</b>	91	<b>90</b>	97	<b>99</b>	95	<b>97</b>	80	1.3
Cypress	118	96	94	--	97	--	92	--	92	--	98	--	78	1.1
Nordika	118	97	86	--	90	--	88	--	89	--	75	--	84	1.3
Skyline	119	92	96	<b>94</b>	94	<b>92</b>	96	<b>96</b>	100	<b>96</b>	90	<b>90</b>	87	1.5
Eider	119	101	101	<b>102</b>	93	<b>93</b>	105	<b>105</b>	100	<b>101</b>	107	<b>113</b>	91	1.3
Havane	120	100	99	<b>99</b>	93	<b>94</b>	103	<b>100</b>	98	<b>102</b>	104	<b>101</b>	83	1.3
S14-H3	120	99	102	<b>101</b>	110	<b>109</b>	102	<b>97</b>	96	<b>97</b>	99	<b>100</b>	77	1.2
Acora	120	100	99	<b>99</b>	90	<b>93</b>	101	<b>99</b>	107	<b>105</b>	96	<b>99</b>	91	1.3
P11A10	121	100	103	<b>103</b>	109	<b>106</b>	98	<b>98</b>	97	<b>102</b>	108	<b>105</b>	88	1.3
Genesis	122	105	103	<b>102</b>	100	<b>97</b>	106	<b>106</b>	105	<b>102</b>	101	<b>102</b>	87	1.5
Zana	123	103	107	<b>105</b>	102	<b>98</b>	105	<b>107</b>	111	<b>111</b>	109	<b>105</b>	92	1.3
DH530	123	101	97	<b>98</b>	102	<b>107</b>	101	<b>98</b>	85	<b>90</b>	103	<b>98</b>	86	1.5
P14A23L	123	110	111	--	113	--	106	--	115	--	110	--	92	1.3
DH4202	124	105	104	<b>103</b>	103	<b>102</b>	99	<b>100</b>	106	<b>104</b>	106	<b>107</b>	82	1.3
S16-F5	124	95	100	<b>96</b>	109	<b>107</b>	97	<b>96</b>	98	<b>89</b>	93	<b>92</b>	74	1.2
Azalea	125	108	110	<b>112</b>	118	<b>121</b>	112	<b>110</b>	104	<b>107</b>	108	<b>107</b>	80	1.4
OAC Avatar	126	105	109	<b>106</b>	101	<b>102</b>	114	<b>113</b>	112	<b>106</b>	106	<b>105</b>	92	1.5
OAC Adare	126	102	102	<b>101</b>	95	<b>98</b>	98	<b>95</b>	108	<b>106</b>	105	<b>104</b>	85	1.2
OAC Calypso	127	111	111	<b>110</b>	99	<b>101</b>	118	<b>116</b>	115	<b>114</b>	112	<b>107</b>	95	1.7
Laurentian	127	96	97	--	106	--	90	--	95	--	99	--	96	1.5
OAC Prosper	127	107	108	<b>105</b>	109	<b>102</b>	103	<b>108</b>	108	<b>102</b>	110	<b>110</b>	87	2.0
Candor	128	99	103	<b>103</b>	104	<b>104</b>	102	<b>103</b>	103	<b>102</b>	101	<b>101</b>	87	1.5
HDC Blake	128	107	105	<b>104</b>	94	<b>95</b>	113	<b>110</b>	104	<b>102</b>	110	<b>110</b>	93	1.5
DTM (1yr)														
S12-J7	114	110	--	--	--	--	--	--	--	--	--	--	--	--
Atena	116	98	--	--	--	--	--	--	--	--	--	--	--	--
Emperor	116	102	--	--	--	--	--	--	--	--	--	--	--	--
LSD (0.10)		6	4	<b>3</b>	11	<b>7</b>	7	<b>6</b>	6	<b>5</b>	8	<b>7</b>		
Average yield (bu/ac)		3.67	3.86	<b>3.90</b>	4.02	<b>4.15</b>	3.76	<b>3.61</b>	4.59	<b>4.58</b>	3.07	<b>3.28</b>		
		54.4	57.3	<b>57.9</b>	59.7	<b>61.5</b>	55.8	<b>53.5</b>	68.1	<b>67.9</b>	45.6	<b>48.6</b>		

Testing Locations: Table 4.2				
Exeter	2017	2018	2019	
St. Marys	2017	2018	2019	
Winchester	2017	2018	2019	
Woodstock	2017	2018	2019	

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TABLE 5.1 AGRONOMIC DATA AT EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS , RR TEST 2019

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	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
RX Columbia	111	91	94	93	94	--	91	93	95	--	90	--	88	1.7
PRO 16X346N	112	93	95	91	99	--	90	93	101	--	82	--	80	1.4
S18-G4X	112	89	91	86	96	<b>100</b>	100	98	99	<b>97</b>	98	<b>94</b>	84	1.4
CF3008Xt	113	99	96	97	95	--	93	98	98	--	99	--	83	1.3
P19T39R2	113	111	103	108	99	<b>94</b>	98	104	106	<b>105</b>	101	<b>104</b>	89	1.4
S18-H3X	114	98	96	84	108	--	93	92	99	--	83	--	81	1.1
PS 2020 XRN	114	104	100	100	99	<b>99</b>	99	95	100	<b>99</b>	87	<b>89</b>	86	1.4
Rx Stacatto	114	98	90	83	96	<b>91</b>	96	99	98	<b>99</b>	102	<b>98</b>	87	1.9
CF19X9	114	95	100	100	99	--	93	98	103	--	90	--	86	1.4
PRO 3025R2C	114	99	106	111	101	<b>98</b>	93	98	101	<b>105</b>	93	<b>93</b>	86	1.1
DKB21-11	115	97	95	97	93	<b>93</b>	103	101	101	<b>99</b>	102	<b>101</b>	92	1.7
S20-L8X	115	109	101	93	109	<b>107</b>	97	98	92	<b>90</b>	107	<b>100</b>	87	1.6
B194Y1	115	87	94	89	99	<b>99</b>	97	98	101	<b>111</b>	93	<b>98</b>	89	1.6
P19A14X	115	92	98	95	100	<b>98</b>	104	103	100	<b>95</b>	108	<b>102</b>	86	1.4
DKB22-31	116	104	98	95	101	<b>102</b>	105	99	100	<b>103</b>	96	<b>94</b>	86	1.7
Express R2X	116	111	106	111	100	<b>99</b>	100	96	98	<b>99</b>	93	<b>95</b>	89	1.7
PS 2555 XRN	116	103	103	109	97	<b>101</b>	108	103	100	<b>101</b>	108	<b>104</b>	91	1.4
S22-J4X	116	92	95	95	96	<b>96</b>	100	98	97	<b>94</b>	99	<b>99</b>	82	1.3
DKB20-14	117	101	99	100	98	<b>102</b>	101	95	95	<b>96</b>	94	<b>98</b>	89	1.6
P21A28X	117	113	108	114	103	<b>101</b>	101	100	101	<b>101</b>	100	<b>96</b>	86	1.1
S25-B6X	118	100	94	91	96	<b>104</b>	109	102	97	<b>98</b>	109	<b>110</b>	89	1.4
PS 2444 XRN	118	112	101	111	92	<b>93</b>	105	98	95	<b>92</b>	102	<b>98</b>	87	1.7
P23A32X	118	104	107	116	98	--	105	107	102	--	114	--	86	1.1
Rx Optimum	118	109	105	106	104	<b>105</b>	103	98	96	<b>98</b>	102	<b>104</b>	93	1.7
PRO 22X76N	118	110	102	106	98	<b>100</b>	100	101	101	<b>106</b>	102	<b>108</b>	96	1.7
P24A80X	118	106	105	106	104	<b>105</b>	107	103	107	<b>110</b>	97	<b>101</b>	89	1.0
Executive R2X	119	106	105	103	106	<b>107</b>	104	104	99	<b>101</b>	111	<b>111</b>	85	1.6
CF3176Xt	119	108	109	113	105	<b>103</b>	105	95	95	<b>95</b>	94	<b>99</b>	93	1.9
DKB24-97	119	109	102	102	102	<b>99</b>	97	100	101	<b>102</b>	98	<b>98</b>	85	1.3
P23A15X	120	98	96	86	104	--	100	106	109	--	101	--	90	1.3
P25A54X	120	105	106	104	109	--	111	113	112	--	115	--	89	1.3
P27A17X	121	108	106	113	100	--	105	103	101	--	105	--	87	1.3
RX Ballistic	121	113	101	105	98	--	106	102	98	--	108	--	97	1.6
PS 2666 XRN	121	106	104	102	106	<b>103</b>	104	99	100	<b>100</b>	98	<b>101</b>	88	1.6
DKB29-42	122	103	98	98	97	--	110	102	99	--	105	--	90	1.4
CF3256Xt	122	112	99	98	99	--	110	107	102	--	113	--	91	1.9
DKB28-81	123	91	95	89	100	<b>101</b>	103	101	102	<b>103</b>	101	<b>101</b>	93	1.6
DTM (1yr)														
NS 90904NE3	100	84	--	--	--	--	94	--	--	--	--	--	--	--
NS 91224NE3	100	87	--	--	--	--	85	--	--	--	--	--	--	--
S14-U9X	101	95	--	--	--	--	96	--	--	--	--	--	--	--
NS 91684NE3	103	113	--	--	--	--	94	--	--	--	--	--	--	--
PRO 15X926N	105	109	--	--	--	--	97	--	--	--	--	--	--	--
B251FE	105	57	--	--	--	--	88	--	--	--	--	--	--	--
CF17X0	106	78	--	--	--	--	95	--	--	--	--	--	--	--
CP2019RX	106	100	--	--	--	--	94	--	--	--	--	--	--	--
Rx Torque	107	95	--	--	--	--	106	--	--	--	--	--	--	--
PS 2229 XRN	108	103	--	--	--	--	101	--	--	--	--	--	--	--
Bossy R2X	109	89	--	--	--	--	103	--	--	--	--	--	--	--
B221RX	111	110	--	--	--	--	103	--	--	--	--	--	--	--
Rx Mirus	111	95	--	--	--	--	97	--	--	--	--	--	--	--
LSD (0.10)		16	9	15	11	<b>9</b>	11	8	8	<b>6</b>	16	<b>12</b>		
Average yield (bu/ac)		3.00	4.17	4.07	4.27	<b>4.08</b>	4.62	4.75	5.60	<b>5.21</b>	3.89	<b>3.80</b>		
		44.4	61.9	60.3	63.4	<b>60.5</b>	68.5	70.4	83.1	<b>77.2</b>	57.8	<b>56.4</b>		

Testing Locations: Table 5.1			
Inwood	--	2018	2019
Palmyra	2017	2018	2019
Ridgetown	2017	2018	2019
Talbotville	2017	2018	2019

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TABLE 5.2 AGRONOMIC DATA AT EARLY MATURITY GROUP 2 (2900-3300 HU) AREAS , CONVENTIONAL TEST 2019

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		
OAC Prosper	112	89	98	86	<b>89</b>	108	<b>104</b>	104	100	100	<b>101</b>	101	<b>101</b>	88	2.2
HDC Blake	114	92	100	109	<b>111</b>	93	<b>101</b>	90	97	98	<b>100</b>	96	<b>100</b>	93	1.5
OAC Bruton	114	110	107	107	<b>108</b>	107	<b>105</b>	104	103	102	<b>102</b>	106	<b>103</b>	91	1.7
Candor	115	88	92	88	<b>91</b>	95	<b>99</b>	96	100	101	<b>101</b>	98	<b>96</b>	86	1.9
OAC Kent	115	90	96	102	<b>93</b>	91	<b>94</b>	97	99	102	<b>101</b>	96	<b>98</b>	91	2.0
P21A20	115	103	95	90	<b>94</b>	100	<b>97</b>	102	105	107	<b>109</b>	103	<b>104</b>	88	1.4
OAC Ramsay	116	101	97	89	<b>91</b>	105	<b>106</b>	96	99	105	<b>101</b>	92	<b>92</b>	98	1.4
OAC Marvel	116	97	96	100	<b>100</b>	92	<b>96</b>	97	101	103	<b>104</b>	99	<b>102</b>	97	2.0
NA 2300	116	115	101	103	<b>106</b>	100	<b>102</b>	107	97	92	<b>98</b>	105	<b>104</b>	103	2.1
SG 2311	117	101	104	108	<b>105</b>	101	<b>101</b>	96	96	90	<b>93</b>	103	<b>103</b>	93	1.6
P21A81L	117	114	111	96	--	123	--	116	114	117	--	110	--	90	1.4
X790P	117	90	87	88	<b>89</b>	86	<b>86</b>	78	73	69	<b>74</b>	80	<b>85</b>	93	2.1
OAC Thamesville	118	92	94	90	<b>94</b>	97	<b>102</b>	85	96	94	<b>99</b>	99	<b>104</b>	91	1.7
AAC Wigle	120	108	101	110	<b>107</b>	94	<b>97</b>	106	106	103	<b>107</b>	109	<b>108</b>	95	1.9
P25A82L	120	104	104	100	--	107	--	111	110	114	--	105	--	94	1.2
DF 155	120	108	105	115	<b>109</b>	96	<b>101</b>	108	101	102	<b>108</b>	100	<b>104</b>	90	1.8
AAC 26-15	120	101	99	101	<b>101</b>	98	<b>98</b>	99	95	95	<b>96</b>	94	<b>91</b>	96	1.6
AAC Big Ben	123	114	112	119	<b>111</b>	107	<b>109</b>	105	105	105	<b>107</b>	105	<b>106</b>	99	1.9
DTM (1yr)															
Laurentian	104	99	--	--	--	--	--	97	--	--	--	--	--	--	--
S20-M1	105	85	--	--	--	--	--	108	--	--	--	--	--	--	--
LSD (0.10)		17	11	17	<b>13</b>	13	<b>11</b>	10	8	10	<b>8</b>	12	<b>9</b>		
(T/ha)		3.06	3.84	3.51	<b>3.23</b>	4.17	<b>3.76</b>	4.28	4.31	5.06	<b>4.77</b>	3.57	<b>3.41</b>		
(bu/ac)		45.4	57.0	52.1	<b>47.9</b>	61.8	<b>55.8</b>	63.4	64.0	75.0	<b>70.8</b>	52.9	<b>50.6</b>		

Testing Locations: Table 5.2			
Inwood	2017	2018	2019
Palmyra	2017	2018	2019
Ridgetown	2017	2018	2019
Talbotville	2017	2018	2019



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TABLE 6.1 AGRONOMIC DATA AT LATE MATURITY GROUP 2 (3300-3500 HU) AREAS , RR TEST 2019

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	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
CF3176Xt	111	82	90	96	89	<b>95</b>	105	100	103	<b>98</b>	96	<b>94</b>	78	1.2
S25-B6X	111	99	95	87	97	<b>96</b>	113	106	103	<b>102</b>	109	<b>107</b>	78	1.0
Rx Optimum	112	100	98	--	98	--	102	100	102	--	99	--	85	1.2
S29-R5X	113	93	97	--	97	--	96	96	94	--	98	--	79	1.1
S27-U2X	113	109	107	--	107	--	99	101	105	--	96	--	79	1.0
PS 2666 XRN	113	113	109	102	109	<b>105</b>	105	103	102	<b>103</b>	104	<b>100</b>	75	1.0
PS 2889XRN	114	97	92	--	98	--	90	91	96	--	86	--	80	1.0
PS 3033 XRN	114	97	101	111	96	<b>100</b>	94	95	94	<b>94</b>	95	<b>99</b>	80	1.0
CF3256Xt	114	101	96	95	98	<b>103</b>	101	101	106	<b>103</b>	94	<b>94</b>	78	1.1
RX Ballistic	114	90	97	96	98	<b>99</b>	97	96	92	<b>96</b>	101	<b>98</b>	87	1.1
RX Regatta	114	103	108	--	105	--	96	99	96	--	102	--	76	1.0
DKB28-81	115	91	100	107	94	<b>97</b>	102	102	102	<b>101</b>	102	<b>102</b>	81	1.0
DKB29-42	115	99	101	--	103	--	106	103	106	--	100	--	76	1.0
P28A94X	115	100	98	--	96	--	101	99	93	--	106	--	80	1.0
DKB32-21	116	105	99	98	102	<b>100</b>	96	100	99	<b>99</b>	100	<b>96</b>	80	1.0
P29A25X	117	108	99	--	103	--	99	100	101	--	99	--	80	1.0
P31A22X	117	105	104	100	102	<b>102</b>	97	102	101	<b>102</b>	102	<b>101</b>	76	1.0
DKB33-54	117	112	109	106	108	<b>103</b>	104	107	104	<b>102</b>	109	<b>107</b>	78	1.1
DTM (1yr)														
S27-M8X	107	105	--	--	--	--	104	--	--	--	--	--	--	--
Superior R2X	108	76	--	--	--	--	102	--	--	--	--	--	--	--
S31-Y2X	109	115	--	--	--	--	92	--	--	--	--	--	--	--
LSD (0.10)		10	7	11	6	<b>6</b>	10	6	9	<b>7</b>	9	<b>7</b>		
Average yield (T/ha)		5.22	4.62	3.69	4.98	<b>5.02</b>	4.01	4.29	4.57	<b>4.80</b>	4.01	<b>4.28</b>		
(bu/ac)		77.4	68.5	54.8	73.8	<b>74.5</b>	59.5	63.6	67.7	<b>71.1</b>	59.5	<b>63.5</b>		

TABLE 6.2 AGRONOMIC DATA AT LATE MATURITY GROUP 2 (3300-3500 HU) AREAS , CONVENTIONAL TEST 2019

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	2 year	3 year	1 year	2 year	2 year	3 year	2 year	3 year		
OAC Marvel	110	87	92	96	91	<b>93</b>	91	93	94	<b>97</b>	91	<b>91</b>	84	1.0
SG 2311	110	102	100	96	104	<b>102</b>	92	98	98	<b>99</b>	97	<b>96</b>	81	1.0
OAC Thamesville	112	95	98	105	98	<b>99</b>	100	98	98	<b>101</b>	97	<b>100</b>	81	1.0
AAC 26-15	113	98	97	91	98	<b>98</b>	100	101	102	<b>102</b>	99	<b>101</b>	84	1.0
DF 155	113	119	111	114	112	<b>108</b>	99	97	96	<b>99</b>	98	<b>104</b>	83	1.1
AAC Malden	114	98	95	96	94	<b>97</b>	98	98	100	<b>98</b>	96	<b>99</b>	84	1.2
P29A85L	117	98	102	--	99	--	115	112	106	--	119	--	89	1.0
AAC Big Ben	117	103	104	101	104	<b>102</b>	105	104	105	<b>104</b>	103	<b>110</b>	91	1.2
LSD (0.10)		8	5	8	6	<b>5</b>	11	7	9	<b>7</b>	10	<b>8</b>		
Average yield (T/ha)		5.25	4.40	3.25	4.91	<b>4.82</b>	3.86	4.04	4.23	<b>4.23</b>	3.85	<b>3.72</b>		
(bu/ac)		77.8	65.2	48.2	72.9	<b>71.5</b>	57.3	59.9	62.8	<b>62.7</b>	57.1	<b>55.2</b>		

Testing Locations: Table 6.1 & 6.2			
Merlin	2017	2018	--
Woodslee	2017	2018	2019
Chatham	2017	2018	2019
Malden	2017	2018	2019

## 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)

**RR2X:** Roundup Ready 2 Xtend™ (Trademark of Monsanto Company)

**E3:** Enlist E3™ (Trademark of Dow AgroSciences, DuPont or Pioneer and affiliated companies or their respective owners)

**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 testing has been carried out at Winchester Research station since 2017. White Mold variety ratings will be listed on the web at [www.Gosoy.ca](http://www.Gosoy.ca) as they become available.

### Protein & Oil Index

Protein Index (%) and Oil (%) are found on the web at [www.Gosoy.ca](http://www.Gosoy.ca).

### Least Significant Difference (LSD)

The Least Significant Difference (LSD) was determined for each Yield Index column. To compare any two varieties within a column, the yield can be considered the same if the difference between their yield indices is less than or equal to the LSD for that column.

## 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.

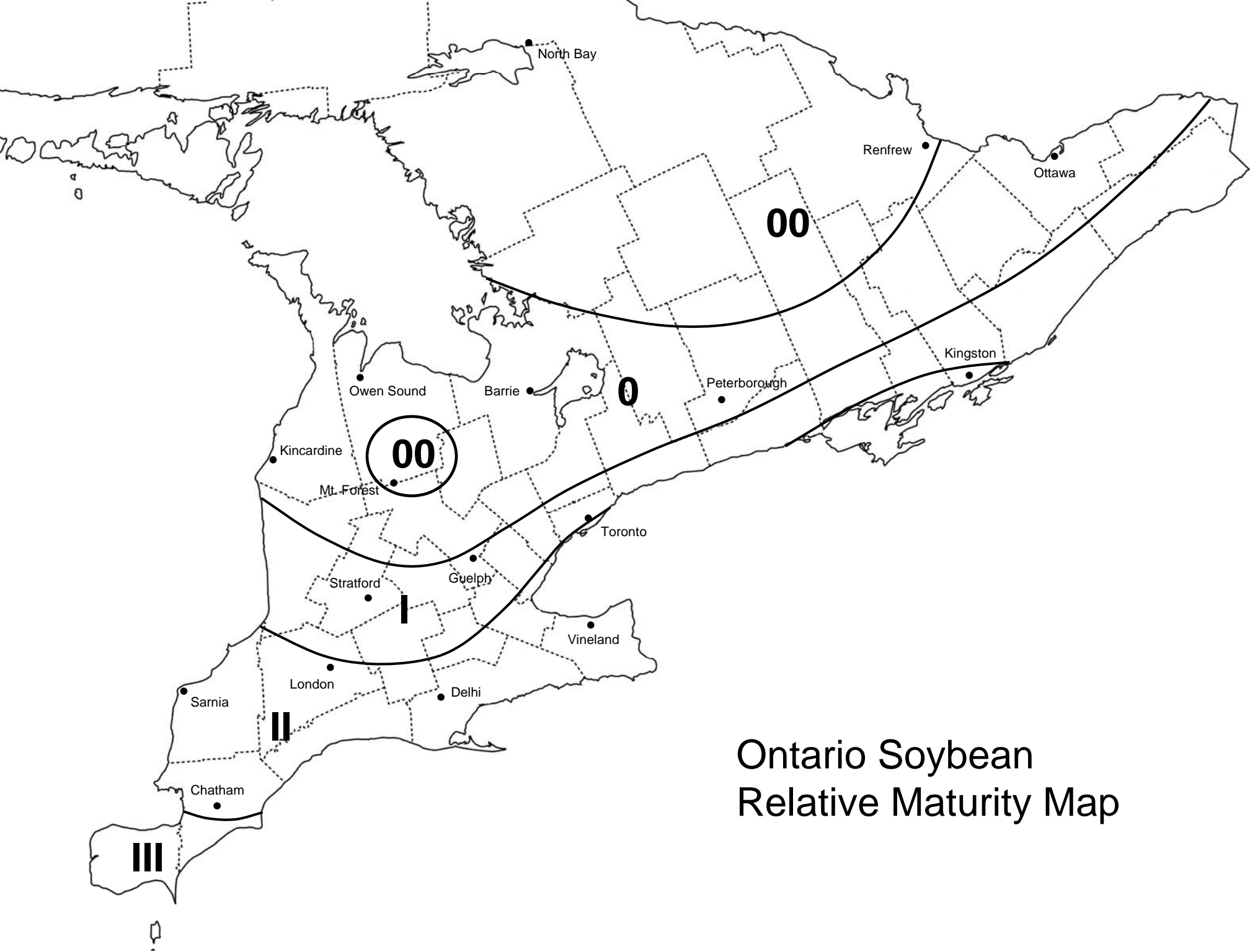
## Test Locations and Soil Types - 2019 Trials

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	56	168,000	Leo Blydorp	ORDC, AAFC, Ottawa
Arthur	2b	0.2	clay loam	56	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	45	200,000	Research Centre, AAFC, Ottawa	ORDC, AAFC, Ottawa
Brussels	3	0.7	loam	56	168,000	Neil Mitchell	ORDC, AAFC, Ottawa
Port Hope	3	1.0	sandy loam	56	168,000	Bruce Hendry	ORDC, AAFC, Ottawa
Winchester	4	1.0	silt loam	Twin (48, 28)*	200,000	U of Guelph, Winchester	U of Guelph, Winchester
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. Marys	4	1.5	clay loam	35	200,000	Alex Gibson	OAC, U of Guelph
Talbotville	5	2.3	clay loam	56	168,000	Richard and John Andrews	Ridgetown Campus, U of Guelph
Palmyra	5	2.7	clay	43	265,000	Richard Wierenga	Ridgetown Campus, U of Guelph
Inwood	5	2.4	clay	43	265,000	Jeff Lassaline	Ridgetown Campus, U of Guelph
Ridgetown	5	2.8	clay loam	43	235,000	Ridgetown Campus, U of Guelph	Ridgetown Campus, U of Guelph
Chatham	6	2.9	clay loam	43	235,000	Wonnacott Farms Ltd.	Ridgetown Campus, U of Guelph
Merlin	6	3.1	clay	43	280,000	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

\* Twin rows 48 (between twin rows) and 28 cm (within twin row) spacing.

## Soybean Variety Distributors

Distributor	Address	Telephone	Fax	Internet
AGRIS Co-operative Ltd.	835 Park Ave. W., Chatham, ON, N7M 0N1	519-380-2384	519-354-7058	<a href="http://www.agris.coop">www.agris.coop</a>
C&M Seeds	6180 5th Line, Palmerston, ON, N0G 2P0	1-888-733-9432	519-343-3792	<a href="http://www.redwheat.com">www.redwheat.com</a> <a href="mailto:info@redwheat.com">info@redwheat.com</a>
Corteva Agriscience	PO Box 730, 7398 Queen's Line, Chatham, ON, N7M 5L1	1-800-265-9435	519-380-2014 519-436-6753	<a href="http://www.pioneer.com/Canada">www.pioneer.com/Canada</a> <a href="https://engage.brevant.com/en-ca">https://engage.brevant.com/en-ca</a> <a href="mailto:david.harwood@pioneer.com">david.harwood@pioneer.com</a>
Country Farm Seeds Ltd.	P.O. Box 790, 18814 Communication Road, Blenheim, ON, N0P 1A0	1-800-449-3990	519-676-9633	<a href="http://www.countryfarmseeds.com">www.countryfarmseeds.com</a> <a href="mailto:heather.coatsworth@countryfarmseeds.com">heather.coatsworth@countryfarmseeds.com</a>
DEKALB	900-One Research Road, Winnipeg, MB, R3T 6E3	1-800-667-4944	1-800-556-5565	<a href="http://www.dekalb.ca">www.dekalb.ca</a>
Hensall Co-op	Box 219, 1 Davidson Drive, Hensall, ON, N0M 1X0	519-262-3002	519-262-3412	<a href="http://www.hdc.on.ca">www.hdc.on.ca</a> <a href="mailto:pcornwell@hdc.on.ca">pcornwell@hdc.on.ca</a>
Huron Commodities Inc.	75 Wellington St., P.O. Box 1353, Clinton, ON, N0M 1L0	519-482-8400	519-482-8383	<a href="http://www.huron.com">www.huron.com</a> <a href="mailto:w.wheeler@huron.com">w.wheeler@huron.com</a>
Legend Seeds Canada	421 Centennial Rd, Landsdowne, ON, K0E 1X0	613-659-4747		<a href="http://www.legendseeds.ca">www.legendseeds.ca</a> <a href="mailto:jhgrier@1000island.net">jhgrier@1000island.net</a>
Maizex Seeds Inc. (Elite brand)	4488 Mint Line, Tilbury, ON, N0P 2L0	519-682-1720	519-682-2144	<a href="http://www.maizex.com">www.maizex.com</a>
New Age Seeds Inc	31 Westgate Ave, Strathroy, ON, N7G 3S9	519-245-9143		
Northstar Genetics	Box 1682, Carman, MB, R0G 0J0	204-750-4000	204-745-9654	<a href="http://www.weknowbeans.com">www.weknowbeans.com</a> <a href="mailto:cdurand@northstargeneticsmb.com">cdurand@northstargeneticsmb.com</a>
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	<a href="http://www.prideseed.com">www.prideseed.com</a>
Prograin	145 Bas Riviere Nord, St-Cesaire, QC, J0L 1T0	450-469-5744	450-469-4547	<a href="http://www.semencesprograin.com">www.semencesprograin.com</a>
SeCan	400-300 Terry Fox Drive, Kanata, ON, K2E 0E3	1-866-797-7874	613-592-9497	<a href="http://www.secan.com">www.secan.com</a>
Semican Inc	366, Rang 10, Plessisville, QC, G6L 2Y2	819-362-8823	819-362-3385	<a href="http://www.semican.ca">www.semican.ca</a> <a href="mailto:jgoulet@semican.ca">jgoulet@semican.ca</a>
Sevita International	11451 Cameron Rd, Inkerman, ON, K0E 1J0	613-989-3000	613-989-3838	<a href="http://www.sevita.com">www.sevita.com</a> <a href="mailto:info@sevita.com">info@sevita.com</a>
SG Ceresco Inc	164 chemin Grande-Ligne, St-Urbain-Premier, QC, J0S 1Y0	450-427-3831	450-427-2067	<a href="http://www.sgceresco.com">www.sgceresco.com</a> <a href="mailto:cpacurariu@sgceresco.com">cpacurariu@sgceresco.com</a>
Snobelen Farms - Palmerston Location	5220 Hwy 23, RR #2, Palmerston, ON, N0G 2P0	519-343-3630	519-343-2037	<a href="http://www.snobelenrain.com">www.snobelenrain.com</a> <a href="mailto:tteune@snobelenfarms.com">tteune@snobelenfarms.com</a>
Southwest Seeds Inc.	R.R. # 1, 19686 Scane Rd., Ridgetown, ON, N0P 2C0	519-674-0054		<a href="mailto:revonmartels@gmail.com">revonmartels@gmail.com</a>
Syngenta Canada, Inc.	140 Research Lane, Guelph, ON, N1G 4Z3	1-888-366-4211	1-888-717-7122	<a href="http://www.nkcanada.com">www.nkcanada.com</a>
WinField United Canada	101-302 Wellman Lane, Saskatoon, SK, S7T 0J1	306-249-5112		<a href="https://www.winfieldunited.ca/">https://www.winfieldunited.ca/</a>



Ontario Soybean  
Relative Maturity Map