

2018 SOYBEAN VARIETY GUIDE



This publication features the results from MSPG-sponsored trials.

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KEY FOR SOYBEAN VARIETY TABLES

Manitoba Variety Zone – Soybean varieties are organized into four maturity zones – very early-, early-, mid- and long-season. These categories reflect the *Manitoba Soybean Maturity Zones* map, based on long-term heat unit and frost-free period data. Varieties fit into respective zones based on average relative days to maturity. Each zone indicates the longest season varieties that should be selected for a given region.

Type

RR1 = Roundup Ready 1 soybeans with glyphosate herbicide tolerance
 R2Y = Genuity® Roundup Ready 2 Yield® soybeans with glyphosate herbicide tolerance
 R2X = Roundup Ready 2 Xtend® soybeans with dicamba and glyphosate herbicide tolerance

DTM (+/- Check) – The number of days from planting to full maturity (R8 or 95% brown pod). It is expressed as + or – days relative to the check variety. Actual days to maturity for the check variety is found in the shaded area at the bottom of the table. Average days to maturity is calculated from three previous years. Maturity can vary by year, which is why it is important to use long-term data for variety selection.

Hilum Colour – The hilum is the area of a soybean seed that was previously attached to the pod. Hilum colour is a marketing factor that varies among soybean varieties. Hilum colour can be clear (CL), yellow (Y), imperfect yellow (IY), grey (GR), light brown (LB), brown (BR), tan (TN), imperfect black (IB) or black (BL).

Iron Deficiency Chlorosis (IDC) Rating & Grouping – The IDC rating at the V2 to V3 (2nd to 3rd trifoliate) stage on a scale of one to five for soybeans. Ratings are conducted over three to five weeks, or until the symptoms dissipate. The greater the value, the more severe and persistent the IDC symptoms. Lower IDC ratings perform better on soils prone to IDC. Ratings are reported as the three-year average from one site near Winnipeg that is prone to IDC. Each variety is also given an IDC grouping to indicate the overall level of tolerance.

IDC Ratings

1 = green leaves
 2 = yellowish leaves
 3 = green veins with yellow leaves
 4 = brown dead tissue between green veins
 5 = severe chlorosis and a stunted growing point

IDC Groupings

T = tolerant ST = semi-tolerant S = susceptible

SCN – Variety resistance to soybean cyst nematode (SCN). Cases of SCN have been confirmed in the United States near the border with Canada. No confirmed cases of SCN have been reported yet in Manitoba.

PRR – Phytophthora root rot (PRR) resistance genes for each variety. Resistance genes that correspond with the four most prevalent races of PRR in Manitoba are listed in Table 2. For example, resistance genes 1a, 1c and 1k are effective against Race 25, the most prevalent PRR race identified in Manitoba, according to Agriculture and Agri-Food Canada research.

Table 1. Field risk of IDC based on carbonate and soluble salt soil test levels.

Soluble Salt (mmhos/cm)	Carbonate (%)		
	0 to 2.5	2.6 to 5	>5.0
0 to 0.25	Low	Low	Moderate
0.26 to 0.50	Low	Moderate	High
0.50 to 1.0	Moderate	High	Very high
>1.0	High	Very high	Extreme

Source: Agvise Laboratories

Table 2. Soybean resistance genes currently available in Manitoba for control of Phytophthora root rot.

Race of <i>P. sojae</i>	Soybean Resistance Gene				
	1a	1c	1k	3a	6
25	S	S	S	R	R
4	S	S	R	R	R
28	S	R	S	R	R
3	S	R	R	R	R

S = susceptible R = resistant

Source: Manitoba Agriculture



ROUNDUP READY SOYBEANS ♦ VARIETY DESCRIPTIONS

Manitoba Maturity Zone	Variety	Type	Average DTM +/- Check†	Yield % Check	Site Years Tested	Hilum Colour	IDC			
							Rating (1–5)	Grouping	SCN	PRR
Very Early- Season Zone	TH890005 R2XN	R2X	-12	87	6	BL	1.8	ST	Yes	1c,1k
	S0007-B7X	R2X	-10	90	6	BF	1.7	T	–	1c
	NocomaR2	R2Y	-9	95	12	BL	2.1	ST	–	1c
	S0009-M2	R2Y	-9	89	23	IY	2.0	ST	–	6
	PS 00095 R2	R2Y	-8	89	16	BL	1.7	T	–	–
	P002A19X	R2X	-8	96	6	TN	1.6	T	–	1k
	PS 00078 XRN	R2X	-8	95	6	BL	2.0	ST	Yes	1c
	Dayo R2X	R2X	-8	94	6	BL	1.6	T	Yes	1k
	NSC Watson RR2Y	R2Y	-8	88	23	IY	2.1	ST	–	6
	S0009-D6	R2Y	-7	97	12	IY	2.3	S	–	–
Devo R2X	R2X	-7	97	6	BR	1.9	ST	–	–	
Early- Season Zone	PV 11s001 RR2	R2Y	-6	93	12	Y	1.8	ST	–	1c
	RX00218	R2X	-6	90	6	BR	1.9	ST	–	–
	Notus R2	R2Y	-6	96	24	BL	1.6	T	–	1c
	Torro R2	R2Y	-5	96	23	BL	2.2	ST	–	–
	RX Cedo	R2X	-5	97	6	IY	1.8	ST	–	–
	P002A63R	RR1	-4	101	12	TN	1.9	ST	–	1c
	PV 15s0009 R2X	R2X	-4	98	6	BL	1.9	ST	Yes	1c
	S003-L3	R2Y	-4	97	23	BR	2.0	ST	–	–
	Lono R2	R2Y	-4	105	30	Y	2.0	ST	–	1k
	Dinero R2X	R2X	-4	97	6	IY	1.6	T	–	–
	LS 001XT	R2X	-4	106	6	BL	1.8	ST	Yes	1k
	23-60RY	R2Y	-3	102	36	BL	1.7	T	–	–
	P005A27X	R2X	-3	105	6	BR	1.8	ST	–	1c
	Dario R2X	R2X	-3	88	12	BR	2.4	S	–	–
	S006-M4X	R2X	-3	96	6	IY	1.9	ST	–	1c
	S007-Y4	R2Y	-3	105	36	IY	2.0	ST	–	1c
	PS 0035 NR2	R2Y	-3	100	30	BL	1.9	ST	Yes	–
	P006T46R	RR1	-3	99	17	BR	1.9	ST	–	1c
	Prince R2X	R2X	-3	92	6	BL	1.8	ST	–	1k
	Mahony R2	R2X	-3	102	30	BL	2.9	S	–	–
Akras R2	R2X	-3	105	41	BL	1.7	T	–	1k	
Mid- Season Zone	S006-W5	R2X	-2	107	20	IY	2.5	S	–	1a,3a
	Foote R2	R2X	-2	98	17	IY	1.8	ST	–	1c
	Sunna R2X	R2X	-2	103	6	GR	1.7	T	Yes	1c
	TH 33005R2Y	R2Y	-2	105	31	IB	1.9	ST	–	1c
	24-10RY	R2X	-1	102	50	BL	1.9	ST	–	1k
	P007A90R	RR1	-1	100	11	BL	1.8	ST	Yes	1c
	PS 0044 XRN	R2X	-1	98	12	BL	1.9	ST	Yes	1a,1k
	LS Solaire	R2Y	-1	96	17	BL	2.3	S	Yes	1c,1k
	Bourke R2X	R2X	-1	107	6	BL	1.8	ST	–	1k
	PS 0068 XR	R2X	-1	103	4	BL	1.7	T	–	1c
	DKB003-29	R2X	-1	102	12	BL	1.7	T	Yes	–
	P006A37X	R2X	-1	105	6	BR	1.8	ST	–	1c
	TH 87003 R2X	R2X	0	104	12	BL	1.7	T	Yes	1c
	Gray R2	R2Y	0	99	37	BL	1.9	ST	–	1c
	NSC Newton RR2X	R2X	0	99	12	BR	2.0	ST	–	–
	TH 33003R2Y	R2Y	0	100	50	BR	1.9	ST	–	1c
	B0040L1	R2Y	0	93	6	BR	1.7	T	–	–
	TH 37004 R2Y	R2Y	0	100	17	BL	1.8	ST	–	1c
	Dugaldo R2X	R2X	0	98	9	IY	2.3	S	–	1c,1a,6
	NSC Sperling RR2Y	R2Y	0	105	6	IY	1.7	T	–	1a
	TH 34006R2Y	R2Y	1	105	20	BL	1.9	ST	–	1c
	Dylano R2X	R2X	1	90	12	GR	2.3	S	–	1c,6
	PV 14s008 RR2	R2Y	1	96	4	IY	1.7	T	–	–
	LS 004XT	R2X	1	95	11	BL	1.9	ST	–	–
	DKB005-52	R2X	1	101	11	BL	1.9	ST	Yes	1c
	Barker R2X	R2X	1	102	9	BL	1.8	ST	Yes	1k
	RX Acron	R2X	1	103	4	BL	1.8	ST	–	–
	B0066L1	R2Y	1	91	4	Y	1.9	ST	Yes	1k
	TH 88008 R2X	R2X	2	106	10	BL	1.8	ST	Yes	1k
	S008-N2	R2Y	2	103	13	IY	1.7	T	–	–
TH 88005R2XN	R2X	2	100	10	BL	1.8	ST	Yes	1c	
DKB006-99	R2X	2	102	4	BL	1.8	ST	Yes	3a	
LS Eclipse	R2X	2	106	12	BL	2.2	ST	Yes	1c	
P00A49X	R2X	2	96	4	BR	1.7	T	Yes	1c	
B0067Z1	R2Y	2	102	15	TN	1.7	T	–	–	
PV 16s004 R2X	R2X	2	98	6	BL	1.9	ST	Yes	1k	
TH 88007R2X	R2X	2	103	10	BL	1.9	ST	–	1c	

CHECK CHARACTERISTICS

TH 33003R2Y	117	50	50
	DTM	bu/ac	site years

† Maturity ratings were averaged across the past three years at core sites only, including Carman, Morris, Portage and St. Adolphe.

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ROUNDUP READY SOYBEANS ♦ VARIETY DESCRIPTIONS continued

Manitoba Maturity Zone	Variety	Type	Average DTM +/- Check [†]	Yield % Check	Site Years Tested	Hilum Colour	IDC				
							Rating (1-5)	Grouping	SCN	PRR	
Long-Season Zone	LS 006XT	R2X	3	99	9	BL	1.7	T	-	-	
	RX00797	R2X	3	99	9	BL	1.7	T	Yes	1c	
	LS 007XT	R2X	3	109	4	BL	1.9	ST	Yes	1c	
	NSC Starbuck RR2	R2X	3	101	12	BL	1.9	ST	Yes	1c	
	NSC Greenridge RR2Y	R2Y	3	102	4	GR	1.8	ST	Yes	1c,3a	
	PV 12s007 R2X	R2X	3	103	11	BL	1.8	ST	-	-	
	NSC Jordan RR2Y	R2Y	3	105	8	BL	2.1	ST	-	1c	
	DKB007-67	R2X	3	103	4	BL	1.7	T	Yes	3a	
	PRO 2525R2	R2Y	3	106	26	BL	1.7	T	Yes	-	
	PV 10s005 RR2	R2Y	3	108	11	BL	1.8	ST	-	-	
	PS 0074 R2	R2Y	3	107	28	BR	1.7	T	-	-	
	DKB006-29	R2X	3	102	9	BL	1.6	T	-	1k	
	NSC Winkler RR2X	R2X	4	106	4	BL	1.8	ST	Yes	1c	
	LS Mistral	R2Y	4	110	14	BL	1.7	T	-	1c	
	Domingo R2X	R2X	5	97	9	IY	1.8	ST	-	1a,6	
	PRO 03X74	R2X	5	107	4	BR	1.8	ST	-	1c	
	Astro R2	R2Y	5	109	30	BL	1.7	T	-	1k	
	Hydra R2	R2Y	5	103	16	BL	2.1	ST	-	-	
	PRO 2535R2	R2Y	6	108	16	BL	1.7	T	Yes	1k	
	Vidar R2X	R2X	7	100	6	BL	1.8	ST	Yes	1c	
	Woden R2X	R2X	9	114	4	BL	1.7	T	Yes	1k	
	RX0247	R2X	12	104	3	BL	1.6	T	Yes	1c	
	PRO 2625 R2	R2Y	13	105	4	BL	1.7	T	Yes	-	
	Experimental lines that are being tested/proposed for registration in Canada										
		CFS18.08 R2D	R2X	5	103	4	BL	2.0	ST	-	-
		EXP00918XR	R2X	3	108	4	BL	1.8	ST	-	1k

CHECK CHARACTERISTICS

TH 33003R2Y	117	50	50
	DTM	bu/ac	site years

[†] Maturity ratings were averaged across the past three years at core sites only, including Carman, Morris, Portage and St. Adolphe.

ROUNDUP READY SOYBEANS ♦ YIELDS BY LOCATION ♦ EASTERN MANITOBA

Manitoba Maturity Zone	Variety	Average DTM +/- Check [†]	2018 Yield % Check					
			Early Sites		Core Sites			
			Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe
Very Early-Season Zone	TH890005 R2XN	-12	87	80	83	90	83	97
	S0007-B7X	-10	91	83	97	86	87	89
	NocomaR2	-9	92	94	104	94	99	92
	S0009-M2	-9	87	104	88	81	93	96
	PS 00095 R2	-8	105	103	96	78	105	82
	P002A19X	-8	93	92	100	96	100	88
	PS 00078 XRN	-8	91	91	87	100	96	104
	Dayo R2X	-8	89	75	109	94	90	94
	NSC Watson RR2Y	-8	87	79	94	79	87	90
	S0009-D6	-7	112	92	98	94	101	96
	Devo R2X	-7	100	97	98	94	95	96
	PV 11s001 RR2	-6	102	93	84	95	90	93
RX00218	-6	98	98	80	79	97	95	
Notus R2	-6	112	79	96	97	104	109	
Torro R2	-5	106	103	97	100	108	101	
RX Cedo	-5	104	82	84	104	101	98	
P002A63R	-4	111	87	107	100	100	99	
PV 15s0009 R2X	-4	100	94	106	87	98	100	
S003-L3	-4	113	113	100	98	104	95	
Lono R2	-4	107	118	93	102	111	110	
Dinero R2X	-4	97	97	106	91	104	86	
LS 001XT	-4	105	101	106	104	114	98	
23-60RY	-3	116	102	105	94	98	97	
P005A27X	-3	111	114	109	97	103	102	
Dario R2X	-3	87	82	92	85	87	90	
S006-M4X	-3	93	93	99	87	107	99	
S007-Y4	-3	116	111	101	89	111	108	
PS 0035 NR2	-3	102	103	99	96	106	105	
P006T46R	-3	103	98	107	84	112	96	
Prince R2X	-3	100	66	95	92	97	88	
Mahony R2	-3	111	109	102	92	102	100	
Akras R2	-3	130	118	105	85	108	104	

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Manitoba Maturity Zone	Variety	Average DTM +/- Check [†]	2018 Yield % Check						
			Early Sites		Core Sites				
			Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe	
Mid-Season Zone	S006-W5	-2	99	99	90	94	95	97	
	Foote R2	-2	103	102	94	81	106	90	
	Sunna R2X	-2	105	98	98	106	108	99	
	TH 33005R2Y	-2	119	112	86	86	110	95	
	24-10RY	-1	111	95	113	83	105	90	
	P007A90R	-1	117	88	97	82	106	99	
	PS 0044 XRN	-1	93	97	105	85	100	88	
	LS Solaire	-1	115	93	102	100	105	95	
	Bourke R2X	-1	111	109	114	98	105	102	
	PS 0068 XR	-1	-	-	99	102	111	98	
	DKB003-29	-1	98	118	110	88	100	101	
	P006A37X	-1	98	113	109	96	112	110	
	TH 87003 R2X	0	95	104	103	93	107	98	
	Gray R2	0	-	-	99	85	102	95	
	NSC Newton RR2X	0	96	102	83	102	102	93	
	TH 33003R2Y	0	100	100	100	100	100	100	
	B0040L1	0	92	86	94	96	94	91	
	TH 37004 R2Y	0	110	98	107	97	108	93	
	Dugaldo R2X	0	-	-	100	89	105	100	
	NSC Sperling RR2Y	0	105	121	90	98	127	104	
	TH 34006R2Y	1	-	-	109	96	113	94	
	Dylano R2X	1	89	85	87	97	95	88	
	PV 14s008 RR2	1	-	-	105	77	112	88	
	LS 004XT	1	98	98	88	78	104	86	
	DKB005-52	1	90	94	99	96	94	92	
	Barker R2X	1	-	-	110	81	113	95	
	RX Acron	1	-	-	104	95	108	104	
	B0067Z1	1	-	-	100	96	120	92	
	TH 88008 R2X	2	-	-	105	120	109	104	
	S008-N2	2	-	-	97	88	112	100	
	TH 88005R2XN	2	-	-	107	86	99	106	
	DKB006-99	2	-	-	105	107	97	94	
	LS Eclipse	2	-	-	106	84	111	106	
	P00A49X	2	-	-	84	86	124	90	
	B0066L1	2	-	-	78	90	109	92	
	PV 16s004 R2X	2	105	113	103	80	102	94	
	TH 88007R2X	2	-	-	95	98	107	100	
	Long-Season Zone	LS 006XT	3	-	-	110	86	102	93
		RX00797	3	-	-	90	93	94	99
		LS 007XT	3	-	-	110	106	112	107
NSC Starbuck RRX2		3	103	79	103	100	105	85	
NSC Greenridge RR2Y		3	-	-	101	106	101	100	
PV 12s007 R2X		3	106	107	101	98	104	104	
NSC Jordan RR2Y		3	-	-	117	85	113	93	
DKB007-67		3	-	-	108	97	104	100	
PRO 2525R2		3	-	-	109	90	106	95	
PV 10s005 RR2		3	115	120	103	101	128	98	
PS 0074 R2		3	-	-	102	99	124	99	
DKB006-29		3	-	-	100	94	107	102	
NSC Winkler RR2X		4	-	-	111	93	120	100	
LS Mistral		4	-	-	113	82	115	105	
Domingo R2X		5	-	-	104	92	102	89	
PRO 03X74		5	-	-	110	97	125	92	
Astro R2		5	-	-	101	108	116	104	
Hydra R2		5	-	-	110	83	107	95	
PRO 2535R2		6	-	-	116	92	106	101	
Vidar R2X		7	105	92	108	99	103	84	
Woden R2X	9	-	-	131	102	116	100		
RX0247	12	-	-	111	94	106	-		
PRO 2625 R2	13	-	-	126	101	106	75		
Experimental lines that are being tested/proposed for registration in Canada									
	CFS18.08 R2D	5	-	-	91	100	122	101	
	EXP00918XR	3	-	-	116	99	113	100	
CHECK CHARACTERISTICS									
	TH 33003R2Y	117	49	20	56	50	45	32	
		DTM	bu/ac						
		CV %	9	12	13	8	7	8	
		LSD %	15	18	20	12	12	13	
		Sign. Diff.	Yes	Yes	Yes	Yes	Yes	Yes	
	Seeding Date		May 22	May 27	May 25	May 16	May 25	May 12	
	Harvest Date		Oct 12	Oct 12	Oct 1	Oct 2	Oct 9	Sep 12	

[†] Maturity ratings were averaged across the past three years at core sites only, including Carman, Morris, Portage and St. Adolphe.

ROUNDUP READY SOYBEANS ♦ YIELDS BY LOCATION ♦ WESTERN MANITOBA

Manitoba Maturity Zone	Variety	Average DTM +/- Check†	Yield % Check	Site Years Tested	2018 Yield % Check					IDC			
					Carberry	Dauphin	Hamiota	Melita	Swan River‡	Rating (1-5)	Grouping	SCN	PRR
Very Early-Season Zone	NSC Leroy RR2Y	-7	84	15	95	83	88	89	86	2.2	ST	-	-
	NocomaR2	-3	96	10	84	88	91	111	96	2.1	ST	-	1c
	S0009-M2	-2	99	20	90	88	96	109	100	2.0	ST	-	6
	S0009-D6	-2	96	10	98	105	100	108	115	2.3	S	-	-
	NSC Watson RR2Y	-2	97	20	95	91	91	95	117	2.1	ST	-	6
Early-Season Zone	PS 00095 R2	-1	98	15	101	106	105	112	117	1.7	T	-	-
	TH890005 R2XN	-1	83	5	76	82	77	91	89	1.8	ST	Yes	1c,1k
	TH 87000 R2X	-1	87	10	81	104	87	88	92	1.8	ST	-	-
	DKB0005-44	0	92	5	99	88	88	95	91	1.7	T	Yes	1c
	RX00218	0	104	5	88	120	105	94	105	1.9	ST	-	-
	Barron R2X	0	94	10	94	108	90	93	101	2.5	S	-	-
	P002A63R	0	103	10	103	106	102	99	107	1.9	ST	-	1c
	NSC Reston RR2Y	0	100	30	100	100	100	100	100	2.6	S	-	1k
	LS TRI7XT	0	88	10	83	98	78	82	83	2.3	S	-	-
	Dario R2X	0	89	10	88	101	85	85	88	2.4	S	-	-
	PV 17s0007 R2X	1	87	5	93	90	72	106	83	1.7	T	Yes	1k
	LS TRI9R2Y	1	91	10	83	82	85	92	96	2.3	S	-	-
	PV 11s001 RR2	1	90	10	92	90	82	97	87	1.8	ST	-	1c
	RX Cedo	1	101	5	99	103	98	95	104	1.8	ST	-	-
	22-60RY	1	97	24	92	109	83	101	100	2.1	ST	Yes	1c
	S003-L3	1	104	15	101	97	97	107	121	2.0	ST	-	-
	Torro R2	2	98	10	101	97	94	99	94	2.2	ST	-	-
	PS 00078 XRN	2	94	5	84	92	88	104	102	2.0	ST	Yes	1c
	P002A19X	2	93	5	92	94	93	91	93	1.6	T	-	1k
	RX000918	3	95	5	101	83	91	87	107	-	-	Yes	1c
	23-60RY	3	104	29	112	93	91	98	95	1.7	T	-	-
	NSC Melfort RR2X	3	92	5	91	87	85	89	102	1.9	ST	Yes	1k
	S006-W5	3	105	14	104	100	93	104	-	2.5	S	-	1a,3a
	Lassa R2X	3	91	5	92	87	91	101	89	2.1	ST	Yes	1c
	Notus R2	3	99	14	99	96	103	104	103	1.6	T	-	1c
	McLeod R2	3	104	29	96	90	92	96	-	1.8	ST	-	-
	PV 15s0009 R2X	4	102	4	107	105	90	110	-	1.9	ST	Yes	1c
	LS 001XT	4	105	5	114	126	95	93	96	1.8	ST	Yes	1k
	TH 87003 R2X	4	105	9	101	100	98	91	-	1.7	T	Yes	1c
	P005A27X	4	107	5	117	110	102	97	107	1.8	ST	-	1c
	Mahony R2	4	106	23	100	95	108	103	-	2.9	S	-	-
	PS 0044 XRN	4	99	10	102	106	98	83	91	1.9	ST	Yes	1a,1k
Kosmo R2	4	94	9	101	99	101	85	-	1.9	ST	-	-	
Mid-Season Zone	LS TRI8XT	5	96	5	87	104	90	95	102	-	-	Yes	1c
	DKB0009-89	5	98	5	100	108	99	93	92	1.7	T	Yes	1c,1k
	Akras R2	5	107	24	104	107	109	103	103	1.7	T	-	1k
	Sunna R2X	5	103	4	112	117	88	93	-	1.7	T	Yes	1c
	Foote R2	5	102	9	107	108	97	81	-	1.8	ST	-	1c
	P006T46R	5	107	15	96	110	99	100	104	1.9	ST	-	1c
	DKB003-29	5	98	9	98	102	99	92	-	1.7	T	Yes	-
	Dylano R2X	5	93	9	98	114	88	79	-	2.3	S	-	1c,6
	PS 0035 NR2	5	104	29	112	107	104	96	111	1.9	ST	Yes	-
	S007-Y4	5	108	25	98	104	100	99	102	2.0	ST	-	1c
	NSC Newton RR2X	5	90	9	96	92	88	93	-	2.0	ST	-	-
	Prince R2X	5	93	4	88	105	86	93	-	1.8	ST	-	1k
	TH 33003R2Y	5	103	29	118	102	90	96	-	1.9	ST	-	1c
	Dugaldo R2X	6	98	4	101	104	98	85	-	2.3	S	-	1c,1a,6
	NSC Redvers RR2X	6	89	4	94	81	85	100	-	1.9	ST	-	-
	P006A37X	6	114	4	110	127	112	102	-	1.8	ST	-	1c
	TH 37004 R2Y	6	104	14	99	103	89	89	-	1.8	ST	-	1c
	LS Solaire	6	104	14	91	114	106	93	-	2.3	S	Yes	1c,1k
	PV 16s004 R2X	7	98	4	103	98	103	82	-	1.9	ST	Yes	1k
	PV 10s005 RR2	7	108	9	106	120	92	100	-	1.8	ST	-	-
DKB005-52	8	105	4	112	118	92	98	-	1.9	ST	Yes	1c	
B0067Z1	8	99	9	99	100	102	89	-	1.7	T	-	-	

CHECK CHARACTERISTICS

NSC Reston RR2Y

119	51	30	36	40	44	26	55
DTM	bu/ac	site years	bu/ac				

CV %	9	10	5	8	5
LSD %	14	16	8	13	9
Sign. Diff.	Yes	Yes	Yes	Yes	Yes

Seeding Date May 22 May 20 May 23 May 23 May 22

Harvest Date Oct 12 Oct 12 Sep 27 Sep 28 Oct 10


† Maturity ratings were averaged across the past three years at Carberry, Dauphin, Hamiota and Melita sites only. ‡ Varieties with missing data points from Swan River did not reach maturity.

CONVENTIONAL SOYBEANS ♦ VARIETY DESCRIPTIONS

Manitoba Maturity Zone	Variety	Average DTM +/-Check [†]	Yield % Check	Site Years Tested	Hilum Colour	IDC		
						Rating (1-5)	Grouping	
Early-Season Zone	AAC Edward	-5	104	35	IY	1.8	ST	
	Fjord	-5	96	6	IY	2.0	ST	
	AAC Halli	-2	101	28	Y	2.3	S	
	Experimental lines that are being tested/proposed for registration in Canada							
	CFS 18.60	-6	106	6	-	1.6	T	
	SVX17T000S1	-5	96	9	IY	2.1	ST	
	OT 16-01	-3	108	13	IY	-	-	
CMSB13-ME	-2	101	6	LB	-	-		
Mid-Season Zone	OAC Prudence	0	100	125	Y	1.6	T	
	Maxus	0	97	12	IY	2.1	ST	
	OAC Carman	0	109	22	IY	1.8	ST	
	Experimental lines that are being tested/proposed for registration in Canada							
	PR110524Z023	-1	106	12	IY	1.7	T	
	OT 18-09	-1	114	6	Y	-	-	
	OT 16-02	-1	112	13	Y	2.3	S	
	SVX17T00S15	0	114	6	IY	2.1	ST	
	CMSB13-SP	0	105	6	Y	-	-	
	SC10-11.97	2	112	6	Y	-	-	
Long-Season Zone	OAC Morden	3	106	36	Y	2.0	ST	
	Kebek	4	100	6	Y	1.7	T	
	Meteor	6	100	6	IY	2.4	S	
	DH401	6	99	6	IY	2.3	S	
	Opus	6	103	12	IY	2.2	ST	
	DH863	7	95	18	IY	2.2	ST	
	Jari	9	108	22	IY	2.0	ST	
	Astor	12	116	6	IY	1.6	T	
	Panorama	14	113	6	Y	1.9	ST	
	Experimental lines that are being tested/proposed for registration in Canada							
	SVX17T0S12	3	114	6	IY	1.7	T	
	SVX16T00S2	3	111	15	IY	2.3	S	
	OT 16-06	4	122	12	Y	2.4	S	
	OT 18-10	6	109	6	Y	-	-	
	OT 18-13	6	111	6	Y	-	-	
	OT 18-01	6	122	6	Y	-	-	
	OT 18-02	7	121	6	Y	-	-	
	CFS18.1.01	7	102	6	Y	2.0	ST	
	OT 18-12	7	122	6	Y	-	-	
	OT 18-11	8	112	6	Y	-	-	
OT15-02	8	117	16	IY	2.5	S		
OT 18-14	8	135	6	Y	-	-		
OT 18-03	8	116	6	Y	-	-		
OAC 11-02C	12	110	17	Y	1.8	ST		
CHECK CHARACTERISTICS								
	OAC Prudence	115 DTM	48 bu/ac	125 site years				

[†] Maturity ratings were averaged across the past three years at core sites only, including Carman, Morris, Portage and St. Adolphe.

continued ►




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CONVENTIONAL SOYBEANS ♦ YIELDS BY LOCATION ♦ EASTERN MANITOBA

Manitoba Maturity Zone	Variety	Average DTM +/- Check [†]	2018 Yield % Check								
			Early Sites			Core Sites			Late Sites		
			Arborg	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank	
Early-Season Zone	AAC Edward	-5	105	99	109	120	95	122	-	-	
	Fjord	-5	80	88	98	115	87	113	-	-	
	AAC Halli	-2	110	104	103	115	101	121	-	-	
	Experimental lines that are being tested/proposed for registration in Canada										
	CFS 18.60	-6	110	86	104	111	108	107	-	-	
	SVX17T000S1	-5	84	89	111	107	93	112	-	-	
Mid-Season Zone	OT 16-01	-3	97	116	114	125	111	113	-	-	
	CMSB13-ME	-2	-	-	112	107	90	100	99	95	
	OAC Prudence	0	100	100	100	100	100	100	100	100	
	Maxus	0	-	-	88	109	79	105	129	89	
	OAC Carman	0	-	-	119	107	112	119	126	103	
	Experimental lines that are being tested/proposed for registration in Canada										
	PR110524Z023	-1	-	-	111	126	109	112	123	88	
	OT 18-09	-1	103	125	114	118	111	129	-	-	
	OT 16-02	-1	117	105	118	124	120	118	-	-	
	SVX17T000S15	0	110	103	111	120	115	125	-	-	
	CMSB13-SP	0	-	-	105	108	107	107	124	90	
	SC10-11.97	2	104	116	109	121	111	119	-	-	
Long-Season Zone	OAC Morden	3	-	-	108	101	110	118	115	113	
	Kebek	4	92	84	108	105	98	105	-	-	
	Meteor	6	89	107	107	103	92	113	-	-	
	DH401	6	95	94	93	98	104	112	-	-	
	Opus	6	-	-	104	93	89	116	90	106	
	DH863	7	-	-	99	100	97	114	123	101	
	Jari	9	105	107	112	110	107	119	-	-	
	Astor	12	-	-	116	117	109	97	148	119	
	Panorama	14	-	-	126	103	100	104	125	119	
	Experimental lines that are being tested/proposed for registration in Canada										
	SVX17T0512	3	114	119	109	117	113	121	-	-	
	SVX16T0052	3	123	97	112	116	108	120	-	-	
	OT 16-06	4	-	-	112	118	119	132	145	133	
	OT 18-10	6	103	113	112	103	113	116	-	-	
	OT 18-13	6	-	-	114	108	109	119	114	106	
	OT 18-01	6	-	-	113	126	114	113	151	126	
	OT 18-02	7	-	-	105	108	120	130	152	128	
	CFS18.1.01	7	105	95	105	106	89	110	-	-	
	OT 18-12	7	-	-	132	113	116	120	153	106	
	OT 18-11	8	-	-	114	104	109	113	123	115	
OT15-02	8	-	-	122	102	111	121	137	122		
OT 18-14	8	-	-	129	121	132	159	153	131		
OT 18-03	8	-	-	110	95	124	109	140	123		
OAC 11-02C	12	-	-	109	110	98	98	135	109		
CHECK CHARACTERISTICS											
	OAC Prudence	115	49	21	47	38	39	26	23	40	
		DTM	bu/ac								
		CV %	7	11	7	6	7	7	13	10	
		LSD %	13	18	13	11	12	13	28	19	
		Sign. Diff.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		Seeding Date	May 16	May 27	May 25	May 16	May 25	May 12	May 17	May 17	
		Harvest Date	Oct 10	Oct 12	Oct 01	Oct 02	Oct 10	Sep 12	Sep 05	Sep 18	

[†] Maturity ratings were averaged across the past three years at core sites only, including Carman, Morris, Portage and St. Adolphe.

CONVENTIONAL SOYBEANS ♦ YIELDS BY LOCATION ♦ WESTERN MANITOBA

Manitoba Maturity Zone	Variety	Average DTM +/- Check [†]	Yield % Check	Site Years Tested	2018 Yield % Check			
					Carberry	Melita	Hilum Colour	
Early-Season Zone	Alaska	-2	90	2	87	92	IY	
Mid-Season Zone	OAC Prudence	0	100	5	100	100	Y	
	Maxus	4	94	2	86	101	IY	
	Experimental lines that are being tested/proposed for registration in Canada							
	CMSB13-ME	1	100	2	93	107	LB	
	CMSB13-SP	1	96	2	94	98	Y	
	PR110524Z023	0	117	3	110	109	IY	
CHECK CHARACTERISTICS								
	OAC Prudence	112	36	5	33	26		
		DTM	bu/ac	site years	bu/ac			
		CV %			6	8		
		LSD %			10	15		
		Sign. Diff.			Yes	No		
		Seeding Date			May 22	May 23		
		Harvest Date			Oct 12	Sep 27		

[†] Maturity ratings were averaged across the past three years at Carberry and Melita only.