

# 2017 SOYBEAN VARIETY GUIDE



This publication features the results from MPSG-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.

**Company Maturity Grouping** – The maturity ranking provided by seed suppliers, indicating growing season length. Only triple zero (000) and double zero (00) soybean varieties are grown in Manitoba. Current varieties in Manitoba range from 000 (earliest) to 00.9 (longest).

### 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, which are also listed in the table. 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 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 (G), 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.

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

### 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 1k and 3a are effective against Race 4, the most prevalent PRR race identified in Manitoba, according to Agriculture and Agri-Food Canada research.

Table 2. The four most prevalent phytophthora races in Manitoba soils and corresponding resistance genes.

Phytophthora Race	Resistance Gene
4	1b, 1k*, 3a*, 6
25	3a*, 6
28	1c*, 1d, 3a*, 6*
3	1b, 1c*, 1d, 1k*, 3a*, 6




\*Resistance genes available in commercial soybean varieties in Manitoba.







# Manitoba Soybean Maturity Zones

(A guideline for choosing varieties)

## Map Elements

-  Water Bodies
-  Rural Municipalities
-  Prov/Nat. Parks

## Maturity Zones

-  Very Early
-  Early
-  Mid
-  Long

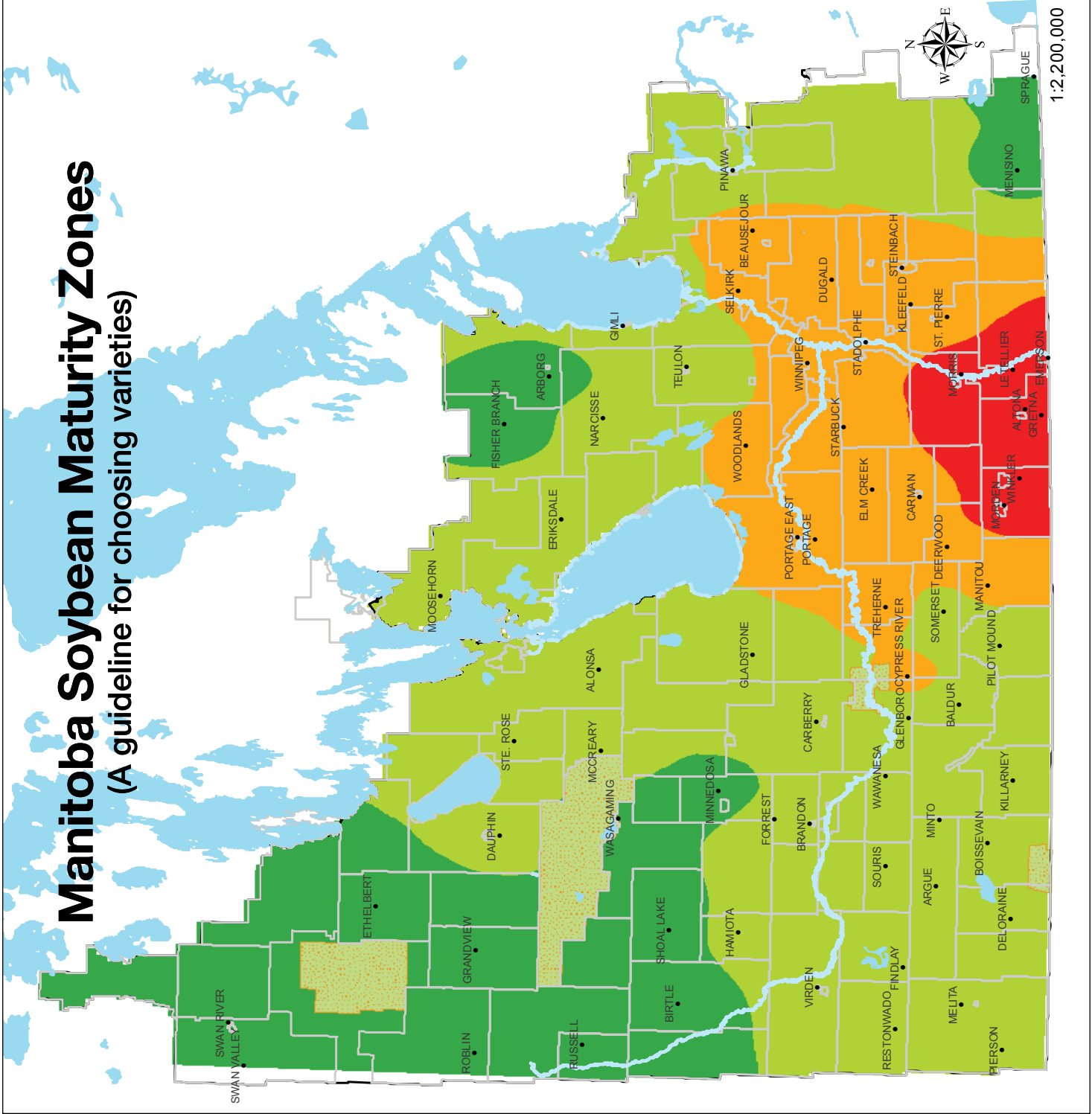
Maturity Zone	CHU	FFP (days)	Maturity Grouping
V. Early	<2250	<110	<00.2
Early	2250-2400	110-118	00.2-00.3
Mid	2401-2550	119-125	00.4-00.6
Long	>2550	>125	>00.6

This map is based on 1981-2010 Climate Normal Data for cumulative Corn Heat Units (CHU, May 15 - Sept 20) and average frost-free period (FFP, days T<sub>min</sub> > 0°C).

The map outlines the longest maturity suggested for each production area, but earlier varieties can also perform well. Use in conjunction with the *Soybean Variety Guide*, which outlines varieties according to maturity zones.



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# ROUNDUP READY SOYBEANS ♦ VARIETY DESCRIPTIONS

Manitoba Maturity Zone	Company Maturity Grouping	Variety	Type	DTM +/- Check†				Yield % Check	Site Years Tested	Hilum Colour	IDC			
				Average	2017	2016	2015				Rating (1-5)	Grouping	SCN	PRR
Very Early-Season Zone	000.6	NSC LEROY RR2Y	R2Y	-13	-	-13	-	78	5	Y	2.2	ST	-	-
	000.9	22-60 RY	R2Y	-10	-	-10	-9	90	18	BL	2.1	ST	Yes	1c
	000.9	S0009-M2	R2Y	-8	-8	-9	-8	89	17	IY	2.2	ST	-	6
	000.9	PS 00095 R2	R2Y	-8	-6	-9	-	87	10	BL	1.7	T	-	-
	000.8	NocomaR2	R2Y	-7	-7	-	-	93	6	B	2.2	ST	-	-
	000.8	NSC Watson RR2Y	R2Y	-7	-5	-8	-8	88	17	IY	2.1	ST	-	-
Early-Season Zone	00.1	NSC RESTON RR2Y	R2Y	-6	-	-7	-5	92	28	BL	2.6	S	-	1k
	00.1	S001-B1	R2Y	-6	-	-6	-	93	5	Y	1.9	ST	-	-
	00.1	Notus R2	R2Y	-6	-	-7	-5	95	18	BL	1.7	T	-	1c
	00.3	McLeod R2	R2Y	-5	-	-5	-5	95	28	BL	1.8	ST	-	-
	000.9	S0009-D6	R2Y	-5	-5	-	-	94	6	IY	2.4	S	-	1k
	00.2	Bishop R2	R2Y	-5	-	-4	-6	91	30	IY	2.3	S	-	-
	00.3	NSC Austin RR2Y	R2Y	-5	-	-4	-5	93	9	Y	2.2	ST	-	-
	000.9	LSTRI9R2Y	R2Y	-4	-4	-	-	94	6	IY	2.5	S	-	-
	00.2	P002A63R	RR1	-4	-4	-	-	99	6	TN	2.0	ST	-	1c
	00.1	PV 11S001 RR2	R2Y	-4	-4	-	-	94	6	Y	1.8	ST	-	-
	000.7	LS TRI7XT	R2X	-4	-4	-	-	88	6	GR	2.3	S	-	-
	00.5	S007-Y4	R2Y	-4	-2	-5	-5	105	30	IY	2.0	ST	-	1c
	00.2	23-60RY	R2Y	-4	-3	-4	-4	102	30	BL	1.7	T	Yes	-
	00.3	S003-L3	R2Y	-4	-2	-4	-5	95	17	BR	2.2	ST	Yes	1c,1k
	00.2	LS 002R24N	R2Y	-4	-	-4	-3	103	24	BL	2.0	ST	Yes	-
	00.3	PS 0035 NR2	R2Y	-3	-	-3	-4	100	24	BL	1.9	ST	Yes	-
	000	Torro R2	R2Y	-3	-2	-5	-	94	17	BL	2.2	ST	-	1c
	00.6	P006T46R	RR1	-3	-3	-4	-	99	11	BR	2.0	ST	-	1c
	00.5	Lono R2	R2Y	-3	-	-3	-3	105	24	Y	2.0	ST	-	1k
	00.4	PS 0055 R2	R2Y	-3	-	-2	-5	97	15	IY	1.8	ST	-	1k
	00.3	Mahony R2	R2Y	-3	0	-5	-5	101	24	BL	2.9	S	-	-
	000.8	Barron R2X	R2X	-3	-3	-	-	91	6	BR	2.5	S	-	-
	00.5	S006-W5	R2Y	-3	-2	-3	-3	111	14	IY	2.5	S	-	1c,1k
	000.8	TH 87000 R2YX	R2X	-	-	-	-	nt	nt	IY	2.1	ST	-	-
	000.9	NSC StarCity RRX2	R2X	-	-	-	-	nt	nt	BR	2.2	ST	-	-
	000.8	DKB0008-39	R2X	-	-	-	-	nt	nt	GR	2.2	ST	-	-
	000	P000A87R	RR1	-	-	-	-	nt	nt	TN	1.7	T	-	1k
	Mid-Season Zone	00.3	Akras R2	R2Y	-2	1	-4	-4	104	35	BL	1.7	T	-
00.5		Foote R2	R2Y	-2	0	-4	-	99	11	IY	1.8	ST	-	1c
00.3		Kosmo R2	R2Y	-2	-	-2	-	84	5	Y	1.9	ST	-	-
000		DARIO R2X	R2X	-2	-2	-	-	88	6	BR	2.8	S	-	-
00.3		NSC Gladstone RR2Y	R2Y	-2	1	-3	-3	100	30	BL	2.1	ST	-	1c
00.5		24-10RY	R2Y	-2	0	-3	-2	102	44	BL	1.9	ST	-	1k
00.3		LS 003R24N	R2Y	-2	-	-1	-2	102	21	BL	1.9	ST	Yes	1c
00.2		MANI R2X	R2X	-1	-1	-	-	104	6	BL	1.8	ST	Yes	1c
00.3		DKB003-29	R2X	-1	-1	-	-	103	6	BL	1.7	T	Yes	-
00.2		LS SOLAIRE	R2Y	-1	1	-3	-	93	11	BL	2.4	S	-	1c,1k
00.7		P007A90R	RR1	-1	-1	-	-	101	5	BL	1.9	ST	Yes	1c
00.5		Gray R2	R2Y	0	0	0	-1	100	33	BL	1.9	ST	-	1c
00.4		LS 004XT	R2X	0	0	-	-	98	5	BL	1.9	ST	-	1c
00.6		24-12RY	R2Y	0	1	-1	-	100	10	BL	2.0	ST	-	1c
00.4		PS 0044 XRN	R2X	0	0	-	-	101	6	BL	2.0	ST	Yes	1a,1k
00.3		TH 33003R2Y	R2Y	0	0	0	0	100	44	BR	2.0	ST	-	1c
00.7		NSC Richer RR2Y	R2Y	0	-	1	0	104	24	BL	1.6	T	-	1c
00.8		P008T22R2	R2Y	0	2	0	-1	103	29	BL	1.6	T	-	1c
00.5		TAMULA R2	R2Y	1	1	0	-	100	11	Y	2.3	S	-	-
00.4		TH 37004 R2Y	R2Y	1	1	-	-	99	11	BL	2.0	ST	Yes	1c
00.3		TH 87003 R2X	R2X	1	1	-	-	108	6	BL	1.7	T	-	-
00.6		DUGALDO R2X	R2X	1	1	-	-	98	5	IY	2.3	S	-	-
00.4		DYLANO R2X	R2X	1	1	-	-	90	6	GR	2.3	S	-	-
00.7		NSC Riverside RR2X	R2X	1	1	-	-	98	5	BL	2.1	ST	-	-
00.6		HS 006RYS24	R2Y	1	2	1	0	100	39	BL	1.7	T	-	-
00.2		MARDUK R2X	R2X	1	1	-	-	101	6	Y	2.0	ST	-	1c
00.3		NSC Newton RR2X	R2X	1	1	-	-	102	6	BR	2.1	ST	-	-
00.8		Currie R2	R2Y	2	-	2	1	103	24	BL	1.8	ST	-	1k
00.5	LS Eclipse	R2Y	2	-	2	1	108	8	BL	2.2	ST	Yes	1c	
00.5	NSC Starbuck RRX2	R2X	2	2	-	-	102	6	BL	2.0	ST	-	-	
00.6	DS0067Z1	R2Y	2	3	1	-	102	11	BL	1.7	T	-	-	
00.7	TH 88007R2X	R2X	2	2	-	-	106	6	BL	2.2	ST	-	1c	
00.6	DKB006-29	R2X	2	2	-	-	103	5	BL	1.6	T	-	1k	
00.5	BARKER R2X	R2X	2	2	-	-	104	5	BL	1.8	ST	Yes	1k	
00.5	TH 88005R2XN	R2X	2	2	-	-	100	6	BL	1.8	ST	Yes	1c	
00.7	PV 12S007 R2X	R2X	2	2	-	-	104	5	BL	2.0	ST	-	-	
00.5	DKB005-52	R2X	2	2	-	-	108	5	BL	2.0	ST	Yes	1c	
00.5	PRO 2525R2	R2Y	2	5	1	1	107	22	BL	1.7	T	-	1c	
<b>Experimental lines that are being tested/proposed for registration in Canada</b>														
	00.7	EXP00717 XRN	R2X	2	2	-	-	103	5	BL	1.9	ST	Yes	1k
Long - Season Zone	00.8	S008-N2	R2Y	3	3	2	-	105	9	IY	1.8	ST	-	-
	00.6	LS 006XT	R2X	3	3	-	-	100	5	BL	1.7	T	-	-
	00.8	DOMINGO R2X	R2X	3	3	-	-	97	5	IY	2.0	ST	-	-
	00.6	0066 XR	R2X	3	3	-	-	101	5	IY	2.4	S	-	-
	00.8	TH 88008 R2X	R2X	3	3	-	-	103	6	BL	1.8	ST	-	1k
	00.7	PS 0074 R2	R2Y	3	5	3	1	107	24	BR	1.7	T	-	-
	00.5	LS MISTRAL	R2Y	3	5	2	-	112	10	BL	1.7	T	-	-
	00.9	NSC Jordan RR2Y	R2Y	3	-	3	-	106	4	BL	2.2	ST	-	-
	0.1	HYDRA R2	R2Y	3	-	4	1	104	12	BL	2.1	ST	-	1k
	00.5	PV 10S005 RR2	R2Y	4	4	-	-	106	5	BL	1.9	ST	-	-
	00.7	RX00797	R2X	4	4	-	-	104	5	BL	1.6	T	Yes	1c
	00.8	DKB008-81	R2X	4	4	-	-	101	5	GR	1.9	ST	-	-
0.2	LEMPO R2X	R2X	7	7	-	-	101	5	GR	2.1	ST	-	-	
<b>CHECK CHARACTERISTICS</b>				TH 3303R2Y	118	117	121	115	51	44				
					DTM				bu/acre		site years			

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

nt – Varieties were not tested in eastern Manitoba trials in 2017.

# ROUNDUP READY SOYBEANS ♦ YIELD BY LOCATION ♦ EASTERN MANITOBA

		2017 Yield % Check									
Manitoba Maturity Zone	Company Maturity Grouping	Variety	Average DTM +/- Check†	Early Sites			Core Sites			Late Sites	
				Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Rosebank	
Very Early-Season Zone	000.9	S0009-M2	-8	98	86	96	80	100	84	-	
	000.9	PS 00095 R2	-8	95	86	100	82	104	85	-	
	000.8	NocomaR2	-7	89	92	97	96	89	94	-	
	000.8	NSC Watson RR2Y	-7	106	90	96	86	99	82	-	
Early-Season Zone	000.9	S0009-D6	-5	120	81	97	88	87	80	-	
	000.9	LS TRI9R2Y	-4	110	75	102	81	97	86	-	
	00.2	P002A63R	-4	129	84	90	111	95	79	-	
	00.1	PV 11S001 RR2	-4	100	87	102	91	91	85	-	
	000.7	LS TRI7XT	-4	100	82	91	80	90	81	-	
	00.5	S007-Y4	-4	115	106	98	94	108	110	-	
	00.2	23-60RY	-4	109	99	102	110	115	106	-	
	00.3	S003-L3	-4	96	99	93	87	109	93	-	
	000	Torro R2	-3	124	99	101	110	101	94	-	
	00.6	P006T46R	-3	105	86	104	98	111	95	-	
	00.3	Mahony R2	-3	115	94	101	104	101	99	-	
	000.8	Barron R2X	-3	114	80	90	84	88	84	-	
	00.5	S006-W5	-3	140	100	119	97	109	83	-	
	Mid-Season Zone	00.3	Akras R2	-2	113	106	103	106	109	114	-
		00.5	Foote R2	-2	121	82	101	79	115	98	-
		000	DARIO R2X	-2	100	83	87	71	98	87	-
00.3		NSC Gladstone RR2Y	-2	116	97	91	99	100	108	-	
00.5		24-10RY	-2	115	96	108	115	107	102	99	
00.2		MANI R2X	-	110	99	103	103	105	106	-	
00.3		DKB003-29	-1	103	107	97	113	103	100	-	
00.2		LS SOLAIRE	-1	97	92	96	104	101	99	-	
00.7		P007A90R	-1	-	-	100	101	118	102	89	
00.5		Gray R2	-0	-	-	106	88	109	86	94	
00.4		LS 004XT	-0	-	-	102	92	108	91	95	
00.6		24-12RY	-0	-	-	104	108	103	83	105	
00.4		PS 0044 XRN	-0	116	83	105	98	100	94	-	
00.3		TH 33003R2Y	0	100	100	100	100	100	100	100	
00.8		P008T22R2	0	-	-	101	104	96	95	96	
00.5		TAMULA R2	1	88	103	105	101	113	115	-	
00.4		TH 37004 R2Y	1	125	83	100	102	104	88	-	
00.3		TH 87003 R2X	1	119	105	107	113	101	97	-	
00.6		DUGALDO R2X	1	-	-	97	99	105	99	94	
00.4		DYLANO R2X	1	88	83	96	89	95	77	-	
00.7		NSC Riverside RR2X	1	-	-	99	87	95	104	105	
00.6		HS 006RYS24	1	114	92	103	105	105	100	-	
00.2		MARDUK R2X	1	116	97	102	99	91	98	-	
00.3		NSC Newton RR2X	1	120	99	95	94	102	102	-	
00.5		NSC Starbuck RRX2	2	126	88	95	105	100	97	-	
00.6		DS0067Z1	2	101	86	92	96	113	90	-	
00.7		TH 88007R2X	2	116	101	106	104	105	102	-	
00.6		DKB006-29	2	-	-	110	111	97	100	95	
00.5	BARKER R2X	2	-	-	106	106	109	98	101		
00.5	TH 88005R2XN	2	101	86	91	112	111	103	-		
00.7	PV 12S007 R2X	2	-	-	109	105	106	96	100		
00.5	DKB005-52	2	-	-	111	115	113	92	106		
00.5	PRO 2525R2	2	-	-	106	97	109	100	100		
<b>Experimental lines that are being tested/proposed for registration in Canada</b>											
	00.7	EXP00717 XRN	2	-	-	108	103	108	96	99	
Long-Season Zone	00.8	S008-N2	3	-	-	100	93	107	102	107	
	00.6	LS 006XT	3	-	-	103	95	95	97	102	
	00.8	DOMINGO R2X	3	-	-	91	100	104	92	97	
	00.6	0066 XR	3	-	-	98	98	102	95	109	
	00.8	TH 88008 R2X	3	114	98	103	98	99	106	-	
	00.7	PS 0074 R2	3	-	-	100	95	121	102	110	
	00.5	LS MISTRAL	3	122	100	113	109	111	101	-	
	00.5	PV 10S005 RR2	4	-	-	109	83	114	106	114	
	00.7	RX00797	4	-	-	104	102	116	104	98	
	00.8	DKB008-81	4	-	-	105	81	97	89	114	
0.2	LEMPO R2X	7	-	-	101	83	103	88	116		
<b>CHECK CHARACTERISTICS</b>		TH 3303R2Y	118 DTM	50	39	56	47	44	33	60	
				bu/ac							
				CV %	13	5	5	8	8	5	5
				LSD %	24	8	9	12	13	8	9
				Sign. Diff.	Yes	Yes	Yes	Yes	Yes	Yes	Yes
				Seeding Date	May 26	May 16	May 15	May 19	May 26	May 15	May 15
				Harvest Date	Oct 11	Sep 30	Sep 29	Oct 05	Oct 05	Sep 21	Sep 30

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

# ROUNDUP READY SOYBEANS ♦ YIELD BY LOCATION ♦ WESTERN MANITOBA

Manitoba Maturity Zone	Company Maturity Grouping	Variety	DTM +/- Check†				Yield % Check	Site Years Tested	2017 Yield % Check				
			Average	2017	2016	2015			Boissevain	Carberry	Dauphin	Hamiota	Melita
Very Early-Season Zone	000.6	NSC LEROY RR2Y	-7	-8	-7	-	83	10	84	89	83	79	75
	000	P000A87R	-7	-7	-	-	81	5	82	85	86	73	83
	000.9	S0009-M2	-3	-4	-1	-5	100	15	101	100	103	88	96
	000.8	NocomaR2	-3	-3	-	-	98	5	109	100	100	92	85
Early-Season Zone	000.8	NSC Watson RR2Y	-2	-3	0	-4	97	15	97	97	99	87	87
	000.9	S0009-D6	-2	-2	-	-	90	5	82	92	101	84	91
	000.8	TH 87000 R2YX	-2	-2	-	-	85	5	80	89	88	87	79
	000.7	LS TRI7XT	-2	-2	-	-	90	5	92	89	97	86	86
	000.9	PS 00095 R2	-1	-3	0	-	94	10	96	98	92	96	99
	00.2	P002A63R	-1	-1	-	-	102	5	104	105	109	90	100
	000.9	NSC StarCity RRX2	-1	-1	-	-	91	5	85	106	89	88	85
	000.9	LS TRI9R2Y	-1	-1	-	-	94	5	97	89	101	90	90
	00.1	S001-B1	-1	-1	-1	-	101	10	92	101	105	100	93
	000.8	Barron R2X	-1	-1	-	-	91	5	96	93	94	82	90
	000.8	DARIO R2X	-1	-1	-	-	88	5	84	88	95	84	90
	000.9	22-60 RY	0	1	-1	-1	97	19	101	104	96	103	100
	00.1	NSC RESTON RR2Y	0	0	0	0	100	25	100	100	100	100	100
	00.1	PV 11S001 RR2	1	1	-	-	91	5	94	96	92	91	81
	00.3	S003-L3	2	0	4	-	104	10	101	114	112	96	94
	00.3	NSC Austin RR2Y	2	2	2	-	100	10	97	102	111	101	88
	00.2	23-60RY	2	0	4	2	105	24	110	116	108	105	89
	00.5	S006-W5	2	0	4	-	106	10	96	98	119	102	100
	00.1	Torro R2	2	2	-	-	99	5	97	103	111	96	84
	00.4	PS 0044 XRN	2	2	-	-	100	5	105	94	101	101	98
	000.8	DKB0008-39	2	2	-	-	96	5	104	99	96	88	90
	00.3	TH 87003 R2X	3	3	-	-	109	5	106	122	113	105	95
	00.3	McLeod R2	3	1	4	3	106	25	99	106	109	100	94
	00.4	PS 0055 R2	3	3	3	-	98	10	96	105	111	83	96
	00.3	Mahony R2	3	4	3	3	107	19	99	105	111	104	99
	00.4	DYLANO R2X	3	3	-	-	91	5	74	99	108	90	83
	00.2	LS 002R24N	4	2	6	3	106	24	101	113	111	104	93
	00.3	DKB003-29	4	4	-	-	98	5	100	100	105	94	89
	00.2	MARDUK R2X	4	4	-	-	101	5	99	108	108	93	93
	00.5	S007-Y4	4	3	6	3	109	19	99	95	108	106	97
	00.2	MANI R2X	4	4	-	-	103	5	92	106	116	103	94
	Mid-Season Zone	00.5	Foote R2	5	5	-	-	103	5	103	107	111	91
00.6		P006T46R	5	4	6	-	109	10	102	111	121	107	100
00.3		NSC Newton RR2X	5	5	-	-	89	5	88	93	97	83	78
00.3		TH 33003R2Y	5	3	7	5	103	25	93	108	108	102	83
00.3		PS 0035 NR2	5	3	7	5	103	24	94	126	115	101	89
00.5		LS MISTRAL	5	5	-	-	109	5	109	105	121	107	99
00.3		Akras R2	5	6	4	5	107	19	94	116	108	104	114
00.5		Lono R2	5	4	7	5	109	19	108	112	108	105	104
00.3		Kosmo R2	5	5	-	-	92	5	91	96	99	91	81
00.4		TH 37004 R2Y	6	4	7	-	111	20	97	108	109	107	91
00.5		PV 10S005 RR2	6	6	-	-	110	5	111	116	118	104	95
00.6		DS0067Z1	7	7	-	-	99	5	92	103	111	94	95
00.5		TH 88005R2XN	7	7	-	-	97	5	94	103	101	97	85
00.2		LS SOLAIRE	7	5	9	-	105	10	110	111	121	94	99
00.5		TAMULA R2	7	6	8	-	106	10	103	126	102	99	95
<b>CHECK CHARACTERISTICS</b>		NSC Reston RR2Y	122	124	123	118	53	25	62	59	66	64	43
		DTM				bu/ac	site years	bu/ac					
								CV %	8	7	6	6	4
								LSD %	13	12	9	9	6
								Sign. Diff.	Yes	Yes	Yes	Yes	Yes
								<b>Seeding Date</b>	May 18	May 15	May 17	May 10	May 15
								<b>Harvest Date</b>	Sep 30	Sep 28	Oct 10	Oct 11	Sep 29

† Maturity ratings were averaged across all sites listed here, including Boissevain, Carberry, Dauphin, Hamiota and Melita.



## CONVENTIONAL SOYBEANS ♦ VARIETY DESCRIPTIONS

Manitoba Maturity Zone	Company Maturity Grouping	Variety	DTM +/- Check <sup>†</sup>				Yield % Check	Site Years Tested	Hilum Colour	IDC		
			Average	2017	2016	2015				Rating (1-5)	Grouping	
			Early-Season Zone	00.3	AAC Edward	-3				-5	-4	-1
	000.9	AAC Halli	-2	-3	-1	-1	99	22	Y	2.3	S	
	<b>Experimental lines that are being tested/proposed for registration in Canada</b>											
	00.0	OT 16-01	-4	-4	-	-	106	7	IY	2.1	ST	
	000.5	PR110530Z041	-4	-4	-	-	97	6	IY	1.6	T	
Mid-Season Zone	00.3	OAC Prudence	0	0	0	0	100	117	Y	1.6	T	
	00.2	Maxus	0	0	-	-	98	6	IY	2.2	ST	
	<b>Experimental lines that are being tested/proposed for registration in Canada</b>											
	000.7	PR110524Z023	-1	-1	-	-	102	6	IY	1.7	T	
	000	Terra-11	-1	-1	-	-	114	6	CL	2.2	ST	
	00.2	OT 16-02	0	0	-	-	107	7	Y	2.3	S	
	00.4	Terra-12	2	2	-	-	96	6	CL	1.9	ST	
Long-Season Zone	0.0	Opus	6	6	-	-	108	6	IY	2.2	ST	
	<b>Experimental lines that are being tested/proposed for registration in Canada</b>											
	00.4	OT 16-04	3	3	-	-	118	6	IY	2.5	S	
	00.3	OT 16-05	3	3	-	-	120	6	IY	2.5	S	
	00.6	OT 16-06	4	4	-	-	119	6	Y	2.4	S	
	00.5	Terra-13	4	4	-	-	102	6	CL	2.1	ST	
	00.9	OAC 13-05C	10	6	10	-	127	13	IY	3.0	S	
	0.1	OT15-02	10	5	10	-	116	10	IY	2.4	S	
<b>CHECK CHARACTERISTICS</b>		OAC Prudence	114	118	117	108	49	117				
			DTM				bu/acre	site years				

<sup>†</sup> Maturity ratings were averaged across the core sites only, including Carman, Morris, Portage and St. Adolphe.

## CONVENTIONAL SOYBEANS ♦ YIELD BY LOCATION ♦ EASTERN MANITOBA

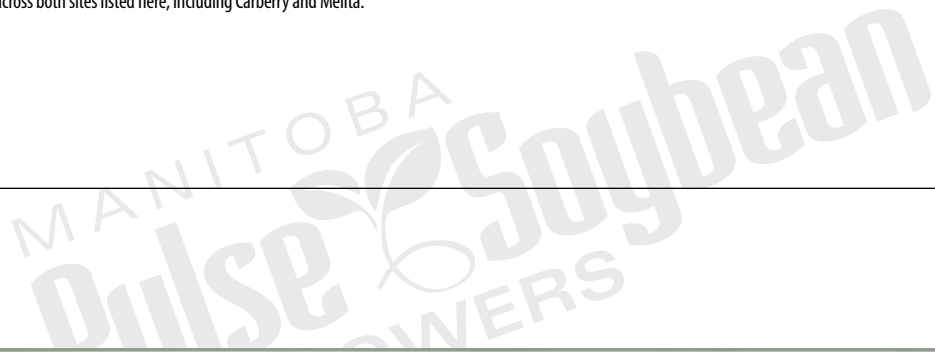
Manitoba Maturity Zone	Company Maturity Grouping	Variety	Average DTM +/- Check <sup>†</sup>	2017 Yield % Check									
				Early Sites			Core Sites				Long Sites		
				Arborg	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe	Morden	Rosebank	
Early-Season Zone	00.3	AAC Edward	-3	103	98	91	130	108	100	116	-	-	
	000.9	AAC Halli	-2	108	99	102	101	92	94	119	-	-	
	<b>Experimental lines that are being tested/proposed for registration in Canada</b>												
	00.0	OT 16-01	-4	102	110	93	130	105	93	111	-	-	
	000.5	PR110530Z041	-4	-	-	-	112	87	97	99	100	97	
Mid-Season Zone	00.3	OAC Prudence	0	100	100	100	100	100	100	100	100	100	
	00.2	Maxus	0	-	-	-	107	76	83	115	95	118	
	<b>Experimental lines that are being tested/proposed for registration in Canada</b>												
	000.7	PR110524Z023	-1	-	-	-	115	99	105	89	104	100	
	000	Terra-11	-1	-	-	-	119	98	100	116	121	131	
	00.2	OT 16-02	0	94	106	115	119	102	97	123	-	-	
	00.4	Terra-12	2	-	-	-	107	93	86	101	96	112	
Long-Season Zone	0.0	Opus	6	-	-	-	132	87	97	109	101	124	
	<b>Experimental lines that are being tested/proposed for registration in Canada</b>												
	00.4	OT 16-04	3	-	-	-	118	111	114	124	110	136	
	00.3	OT 16-05	3	-	-	-	135	104	114	129	126	123	
	00.6	OT 16-06	4	-	-	-	137	106	107	129	107	141	
	00.5	Terra-13	4	-	-	-	125	96	91	107	93	107	
	00.9	OAC 13-05C	10	-	-	-	133	109	110	140	123	154	
	0.1	OT15-02	10	-	-	-	116	99	122	126	126	152	
<b>CHECK CHARACTERISTICS</b>		OAC Prudence	114	35	50	37	41	40	41	25	45	44	
			DTM	bu/ac									
				CV %	13	7	4	8	12	7	6	11	6
				LSD %	25	14	7	16	19	11	12	19	12
				Sign. Diff.	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes
				Seeding Date	May 23	May 26	May 16	May 15	May 19	May 26	May 15	May 18	May 15
				Harvest Date	Oct 13	Oct 12	Sep 30	Sep 29	Oct 05	Oct 05	Sep 28	Oct 11	Sep 30

<sup>†</sup> Maturity ratings were averaged across the core sites only, including Carman, Morris, Portage and St. Adolphe.

CONVENTIONAL SOYBEANS ♦ YIELD BY LOCATION ♦ WESTERN MANITOBA

Manitoba Maturity Zone	Company Maturity Grouping	Variety	DTM +/- Check <sup>†</sup>			Yield % Check	Site Years Tested	2017 Yield % Check		
			Average	2017	2016			Carberry	Melita	
Early-Season Zone	000.9	AAC Halli	-1	0	-2	103	3	97	98	
	00.4	AAC Edward	-2	-2	-1	106	3	100	97	
Mid-Season Zone	000	FJORD	-2	-4	0	85	3	80	72	
	00.3	OAC Prudence	0	0	0	100	3	100	100	
	000	ANSER	3	0	5	109	3	106	101	
	00	KEBEK	4	1	6	117	3	104	92	
	Experimental lines that are being tested/proposed for registration in Canada									
	000	OT 16-01	0	0	-	97	3	103	90	
000	OT 16-02	2	-1	4	106	3	104	110		
<b>CHECK CHARACTERISTICS</b>		OAC Prudence	112	116	107	42	3	57	41	
						DTM	bu/ac	site years	bu/ac	
							CV %	10	8	
							LSD %	17	13	
							Sign. Diff	Yes	Yes	
						<b>Seeding Date</b>	May 15	May 15		
						<b>Harvest Date</b>	Sep 28	Sep 28		

<sup>†</sup> Maturity ratings were averaged across both sites listed here, including Carberry and Melita.



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