MANITOBA Pulse Soybean GROWERS

This publication features the results from MPSG-sponsored trials.

KEY FOR SOYBEAN VARIETY TABLES

Manitoba Maturity 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 (next page), 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 Group – The maturity ranking provided by seed suppliers, indicating growing season length. Triple zero (000) and double zero (00) soybean varieties are best suited to Manitoba. Varieties currently tested in Manitoba range from 000 (earliest) to 0.1 (longest).

Type

E3 = Enlist E3® soybeans with 2,4-D choline, glyphosate and glufosinate herbicide tolerance.

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.

WPX = Blended Variety Xtend® soybeans with glyphosate and dicamba herbicide tolerance.

R2XF = Roundup Ready 2 XtendFlex® soybeans with glyphosate, dicamba and glufosinate 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 (DTM) for the check variety is found in the shaded area at the bottom of the table. Average DTM is calculated from multiple site-years. It is important to use long-term data for variety selection, as maturity can vary by year.

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), buff (BF), imperfect black (IB) or black (BL).

IDC Rating and Group – The iron deficiency chlorosis (IDC) rating is the severity of IDC expressed in a given variety on a 1–5 scale (1 = green leaves, 2 = yellowish leaves, 3 = green veins with yellow leaves, 4 = brown dead tissue between green veins, 5 = severe chlorosis and stunted growing point). The IDC group indicates the overall level of tolerance. Each year, ratings are conducted during the V2 to V3 stages at a site near Winnipeg that is prone to IDC. If a field is at moderate to high risk of IDC (Table 1), select a variety with a low (tolerant) rating.

IDC Groups

T = tolerant (≤1.7) ST = semi-tolerant (1.8 – 2.2) S = susceptible (≥2.3)

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

Soluble Salt	Carbonate (%)		
(mmhos/cm)	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

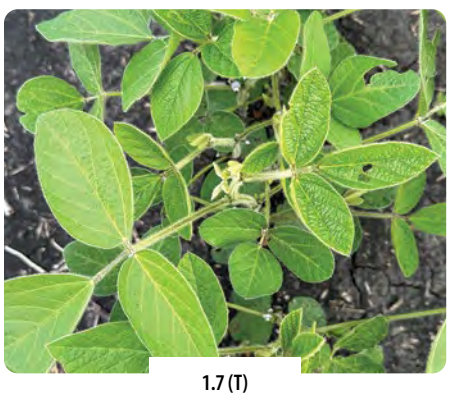
SCN – Variety resistance to soybean cyst nematode (SCN). The presence of SCN was confirmed for the first time in Manitoba in 2019. For full details of SCN findings, visit manitobapulse.ca.

PRR – Phytophthora root rot (PRR) pathotype-specific major resistance (Rps) genes for each variety. Soil survey results from 2023 found *Phytophthora sojae* present in soils at 81% of soybean fields in Manitoba. Prevalent *P. sojae* pathotypes found commonly defeated Rps 1c and 1k while Rps 3a and 6 were defeated less frequently and offered the most protection against pathotypes common in Manitoba soils. (Source: Yong Min Kim, AAFC–Brandon)

CV % – The coefficient of variation (CV) is the statistical measure of random variation in a research trial. A CV of less than 15% generally indicates a more uniform trial and conclusive data.

LSD % – The least significant difference (LSD) is the quantity by which two varieties must differ to conclude with 95% confidence that a true difference exists due to genetics.

Sign. Diff. – The indication of whether significant differences were found between varieties. Yes = at least one variety is significantly different from another within one site. No = varieties are not significantly different within one site.



1.7 (T)

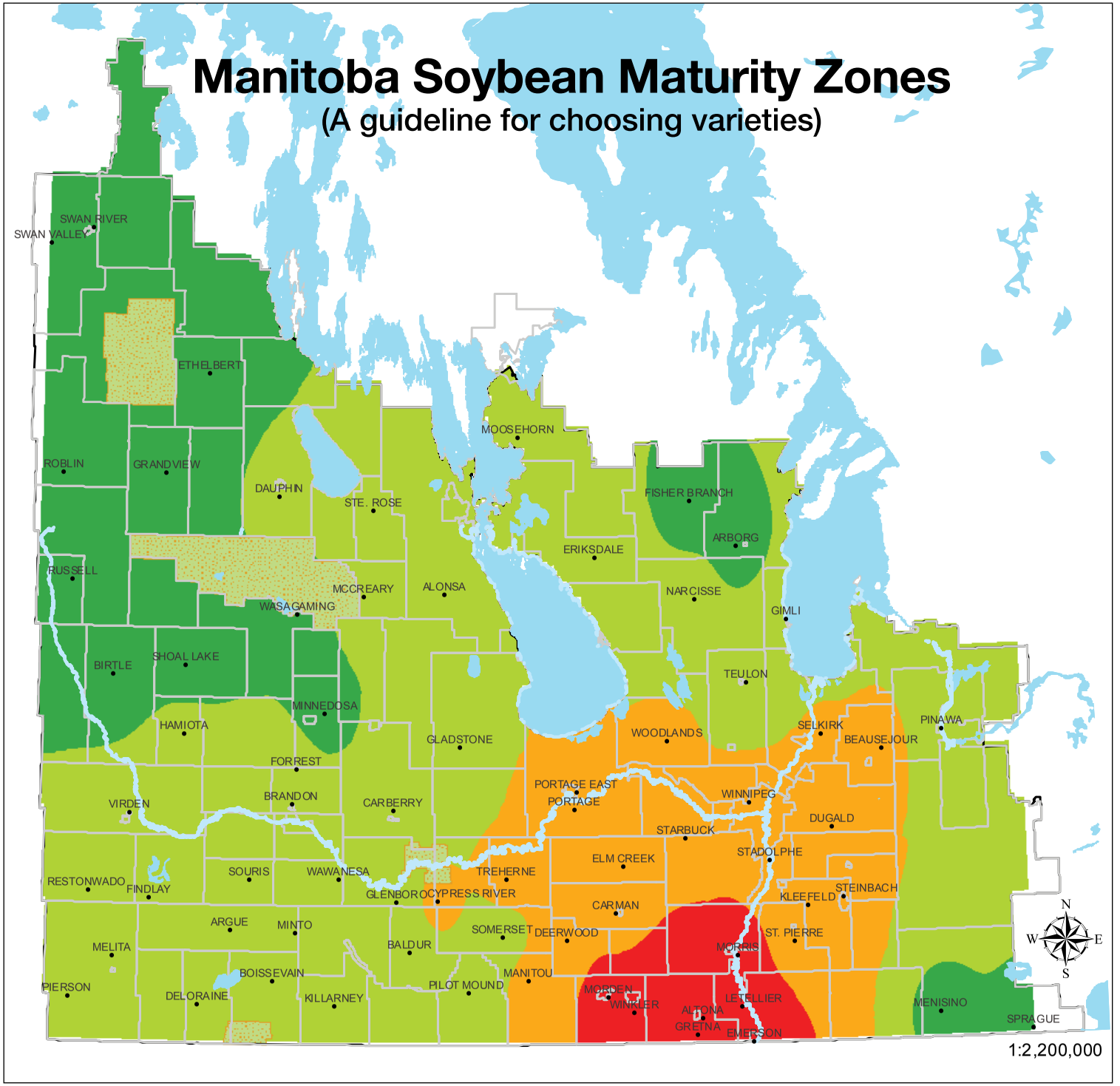
2.3 (S)

IDC Rating and Group

IDC ratings are independently assessed each year at an IDC-prone site near Winnipeg. Pictured are soybeans from the IDC trial on July 17, 2024, during the last IDC rating assessment for the season. Soybean varieties range from tolerant (L), rating 1.7 or less to susceptible (R), rating 2.3 or greater.

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 Group
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 Tmin > 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 *Pulse and Soybean Variety Guide*, which outlines varieties according to maturity zones.

Manitoba Maturity Zone	Company Maturity Group	Variety	Type	Average DTM +/- Check†	Long-Term Yield % Check	Site-Years Tested	Hilum Colour	IDC		Resistance	
								Rating (1–5)	Group	SCN	PRR
Very Early-Season Zone	000.9	PV S0009X84	R2X	-6	94	12	BL	1.8	ST	yes	–
	00.3	S003-R5X	R2X	-5	89	7	IY	2.1	ST	–	1c
	00.2	B0024EE	E3	-5	93	7	BF	1.9	ST		1k,6
	00.1	BY Hector XT	R2X	-4	84	12	BL	1.9	ST	–	1c
Early-Season Zone	00.2	P002A42E	E3	-3	89	12	BF	1.9	ST	–	1c
	00.2	BY Meru E3*	E3	-3	97	7	Y	2.1	ST	–	1c
	00.4	NS EXP004ME3	E3	-3	102	7	Y	1.9	ST	–	1k
	00.2	TH84002X	R2X	-2	90	12	BL	1.8	ST	yes	1c
	00.5	Hart R2X	R2X	-2	94	19	BR	1.9	ST	–	1c
	00.1	Alouette R2X	R2X	-2	90	7	BL	1.8	ST	–	1c
	000.9	Young R2X	R2X	-2	92	22	BL	1.7	T	yes	1c
	Experimental lines that are being tested/proposed for registration in Canada										
	00.1	CP00123WPX	WPX	-2	94	12	BR	2.1	ST	yes	1c
Mid-Season Zone	00.4	B0044EE	E3	-1	99	7	BF	2.0	ST	yes	1c
	00.3	BY Deno XT	R2X	-1	89	12	BL	2.0	ST	yes	1c
	00.4	NSC Holland RR2X	R2X	-1	94	22	BR	1.9	ST	–	1c
	00.3	P003Z08E	E3	-1	97	7	Y	2.2	ST	–	1c
	00.2	DKB002-32	R2X	-1	95	25	BR	1.8	ST	yes	1k
	00.6	**P006A37X**	**R2X**	**0**	**100**	**39**	**BR**	**1.8**	**ST**	**–**	**1c**
	00.2	NSC Arden RR2X	R2X	0	91	16	BL	1.8	ST	–	1c
	00.5	NSC EXP004CX	R2X	0	102	7	BR	1.8	ST	–	1c
	00.6	NSC Homewood RR2X	R2X	0	103	7	BL	1.7	T	–	1c
	00.3	Oslo XF	R2XF	0	101	7	IY	1.9	ST	–	–
	00.3	TH85003XF	R2XF	0	97	7	BR	2.0	ST	yes	1c,3a
	00.4	Bourke R2X	R2X	0	94	36	BL	1.8	ST	–	1k
	00.4	Merino R2X	R2X	1	90	13	BL	1.7	T	yes	1k
	00.6	BY Robson XT	R2X	1	102	6	BL	2.1	ST	–	1c
	00.4	P004Z87E	E3	1	97	7	Y	2.1	ST	–	1c
	00.2	PV 22s002 R2X	R2X	1	90	22	BL	2.0	ST	yes	1k
	00.4	PV 16s004 R2X	R2X	1	92	33	BL	1.8	ST	yes	1k
	00.3	SI 00323XT	R2X	1	99	12	BL	2.0	ST	–	1c
	00.7	B0074EE	E3	2	100	7	BR	1.9	ST	–	1c
	00.6	Badger R2X	R2X	2	97	10	BL	1.7	T	–	1k
	00.5	TH84005XF	R2XF	2	86	7	BL	2.0	ST	yes	1c
	00.6	SI 00623XT	R2X	2	102	12	BL	2.0	ST	–	1c
	00.6	Mao R2X	R2X	2	100	11	BL	1.7	T	yes	1c
	Experimental lines that are being tested/proposed for registration in Canada										
	00.6	EXP006-24E3	E3	-1	96	7	B	1.7	T	yes	1k,3a
	00.6	EXP006-24XF	R2XF	0	96	7	BR	1.8	ST	yes	1c,3a
	00.2	PR23X2350	R2X	1	105	7	IY	2.0	ST	–	–
	00.5	CP00523WPX	WPX	2	98	9	BL	2.1	ST	–	1k,1c
	00.2	PR150019Z-14	R2X	2	90	4	BL	2.0	ST	–	1c
Long-Season Zone	00.8	P008Z25E	E3	3	104	4	Y	1.9	ST	–	1c
	00.9	P009Z94E	E3	3	107	4	BF	1.9	ST	yes	1k,6
	00.5	TH82005 R2X	R2X	3	99	22	BR	1.9	ST	–	1k
	00.7	S007-A2XS	R2X	3	99	22	GR	1.8	ST	–	–
	00.6	DKB006-80	R2X	4	103	10	BL	1.7	T	yes	1c
	00.7	P007A68E	E3	4	98	12	BF	1.9	ST	–	1c
	00.4	DKB004-04	R2X	4	94	7	BL	1.7	T	yes	1c
	00.9	Rico R2X	R2X	4	102	6	B	2.3	S	yes	1c
	00.7	DKB007-91XF	R2XF	5	92	4	BL	1.9	ST	–	1c
	00.9	DKB009-96	R2X	5	93	4	BL	1.9	ST	yes	1c
	00.9	Triquet R2X	R2X	5	100	6	BL	1.7	T	yes	1k
	00.7	TH81007 R2XN	R2X	5	100	11	BR	1.7	T	yes	1c
	00.7	PV S007XF55	R2XF	6	102	4	BL	1.8	ST	yes	–
	00.7	SI 00723XFN	R2XF	6	98	12	BL	1.7	T	yes	1c
	00.7	TH74007E	E3	7	106	4	BF	1.9	ST	yes	3a
	Experimental lines that are being tested/proposed for registration in Canada										
	00.7	EXP N007E3	E3	3	108	4	BR	2.1	ST	–	1k,3a
	00.9	PR24XF2450	R2XF	3	105	4	BR	1.8	ST	–	–
	00.7	C4M24517 XT	R2X	5	103	4	BL	1.9	ST	yes	–
CHECK CHARACTERISTICS											
	00.6	**P006A37X**		118 DTM	52 bu/ac	39 site-years					

† Maturity Ratings were averaged across Carman, Morris, Portage and St. Adolphe core sites over multiple years.

* Indicates a variety that is protected by, or has been applied for and pending, Plant Breeder's Rights legislation that complies with UPOV 1991.

Manitoba Maturity Zone	Variety	Average DTM +/- Check†	2024 Yield % Check						
			Early Sites‡			Core Sites			
			Arborg	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe
Very Early-Season Zone	PV S0009X84	-6	96	104	96	100	92	91	97
	S003-R5X	-5	112	97	104	85	103	98	99
	B0024EE	-5	92	89	98	95	92	93	90
	BY Hector XT	-4	86	79	89	77	84	87	89
Early-Season Zone	P002A42E	-3	96	87	92	100	90	105	89
	BY Meru E3*	-3	88	98	96	100	107	101	97
	NS EXP004ME3	-3	96	92	106	116	100	103	103
	TH84002X	-2	88	86	94	99	93	82	92
	Hart R2X	-2	97	99	107	99	93	107	105
	Alouette R2X	-2	94	89	93	85	87	97	89
	Young R2X	-2	89	104	102	95	101	102	94
	Experimental lines that are being tested/proposed for registration in Canada								
	CP00123WPX	-2	90	90	103	101	89	104	104
Mid-Season Zone	B0044EE	-1	109	89	101	91	97	103	101
	BY Deno XT	-1	93	85	94	84	91	89	81
	NSC Holland RR2X	-1	106	100	95	93	99	99	92
	P003Z08E	-1	97	94	99	107	99	102	88
	DKB002-32	-1	110	97	102	102	98	102	104
	P006A37X	**0**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
	NSC Arden RR2X	0	94	93	100	94	91	100	98
	NSC EXP004CX	0	105	99	103	99	104	98	104
	NSC Homewood RR2X	0	104	99	109	109	93	103	99
	Oslo XF	0	95	104	98	110	104	107	95
	TH85003XF	0	98	90	98	100	104	104	92
	Bourke R2X	0	96	95	98	89	107	87	101
	Merino R2X	1	102	93	91	81	96	93	90
	BY Robson XT	1	–	–	–	96	102	102	103
	P004Z87E	1	98	101	97	103	85	97	89
	PV 22s002 R2X	1	90	83	90	83	93	91	96
	PV 16s004 R2X	1	–	–	–	86	98	97	96
	SI 00323XT	1	102	93	103	94	95	103	91
	B0074EE	2	94	104	96	102	108	99	100
	Badger R2X	2	–	–	–	97	96	101	101
	TH84005XF	2	80	84	90	80	88	88	96
	SI 00623XT	2	106	105	105	98	109	110	101
	Mao R2X	2	–	–	–	102	105	104	102
	Experimental lines that are being tested/proposed for registration in Canada								
	EXP006-24E3	-1	98	93	98	102	95	97	87
	EXP006-24XF	0	94	93	100	99	92	108	90
	PR23X2350	1	110	100	106	107	101	113	98
	CP00523WPX	2	105	97	98	88	97	98	101
	PR150019Z-14	2	–	–	–	88	93	85	91
Long-Season Zone	P008Z25E	3	–	–	–	99	105	109	106
	P009Z94E	3	–	–	–	112	106	110	100
	TH82005 R2X	3	100	93	96	100	97	114	108
	S007-A2XS	3	91	103	105	100	95	97	105
	DKB006-80	4	109	105	105	95	105	105	106
	P007A68E	4	95	93	98	94	101	108	84
	DKB004-04	4	90	92	104	85	95	94	100
	Rico R2X	4	–	–	–	109	105	110	104
	DKB007-91XF	5	–	–	–	91	99	97	88
	DKB009-96	5	–	–	–	76	111	97	97
	Triquet R2X	5	–	–	–	97	103	103	106
	TH81007 R2XN	5	–	–	–	106	98	98	102
	PV S007XF55	6	–	–	–	104	99	103	103
	SI 00723XFN	6	101	91	103	95	98	94	104
	TH74007E	7	–	–	–	106	103	112	105
	Experimental lines that are being tested/proposed for registration in Canada								
	EXP N007E3	3	–	–	–	110	106	106	107
	PR24XF2450	3	–	–	–	105	108	108	101
	C4M24517 XT	5	–	–	–	102	94	99	111
CHECK CHARACTERISTICS									
	P006A37X	118	78	63	56	57	39	36	61
		DTM				bu/ac			
		CV %	6.2	7.0	4.3	6.7	6.8	6.1	4.3
		LSD %	10	11	7	10	11	10	7
		Sign. Diff.	yes	yes	yes	yes	yes	yes	yes
		Seeding Date	May 23	May 30	May 10	May 23	May 23	May 31	May 23
		Harvest Date	Oct 2	Oct 3	Oct 3	Oct 9	Sep 27	Oct 8	Sep 27

† Maturity ratings were averaged across the Carman, Morris, Portage and St. Adolphe core sites over multiple years. ‡ Dashes indicate that varieties were not tested at the early sites.

* Indicates a variety that is protected by, or has been applied for and pending, Plant Breeder's Rights legislation that complies with UPOV 1991.

Manitoba Maturity Zone	Company Maturity Group	Variety	Average DTM +/- Check†	Long-Term Yield % Check	Site-Years Tested	IDC Rating (1–5)	IDC Group	Resistance SCN	Resistance PRR	2024 Yield % Check Dauphin	Hamiota	Holland	Melita	Souris	Swan River‡
Very Early-Season Zone	000.7	S0007-S1X	-5	85	16	2.4	S	–	1c,3a	91	88	73	83	83	83
	000.5	BY Nebo XT	-4	93	6	2.0	ST	–	1c	92	99	96	91	90	92
	Experimental lines that are being tested/proposed for registration in Canada														
	000.7	PR181000-04	-3	87	5	2.0	ST	–	–	93	88	88	90	80	–
	000.7	PR180907-05	-3	94	5	2.0	ST	–	1c	94	98	102	92	88	–
Early-Season Zone	000.7	Wolf R2X*	-2	88	16	1.9	ST	yes	3a	91	89	83	81	80	85
	000.7	PV S0007X74	-2	100	10	2.0	ST	–	1c,3a	103	100	102	89	98	93
	000.9	BY Arvon XT	-2	90	6	2.2	ST	–	1c,1k	83	93	99	91	89	90
	000.8	NSC EXP0008CX	-2	99	10	1.7	T	–	1c	96	101	94	97	94	96
	000.9	S0009-J5X	-2	96	10	2.0	ST	–	1c,3a	106	94	93	92	99	85
	00.2	Major R2X	-1	91	16	2.0	ST	–	1c	96	89	81	89	89	90
	00.1	S001-D8X	-1	91	22	2.0	ST	–	1c	90	89	95	96	87	84
	00.2	BY Meru E3	-1	96	6	2.1	ST	–	1c	101	93	106	98	90	93
	00.2	B0024EE	-1	97	6	1.9	ST	–	1k,6	99	96	107	96	90	98
	00.1	Alouette R2X	-1	92	6	1.8	ST	–	1c	95	94	98	80	91	92
	00.4	NS EXP004ME3	-1	105	5	1.9	ST	–	1k	102	104	120	103	104	–
	000.7	Briggs R2X	-1	94	16	2.0	ST	yes	1c	89	97	106	96	88	90
	00.2	P002A42E	0	95	10	1.9	ST	–	1c	97	90	105	99	91	89
	00.3	**S003-R5X**	**0**	**100**	**22**	**2.1**	**ST**	**–**	**1c**	**100**	**100**	**100**	**100**	**100**	**100**
	000.7	PV S0009X84	0	101	10	1.8	ST	yes	–	101	101	106	93	93	96
	00.7	Gecko R2X	0	97	10	2.0	ST	–	1c	87	102	95	92	94	90
	00.4	B0044EE	1	100	6	2.0	ST	yes	1c	103	98	111	94	102	96
	00.3	TH85003XF	1	99	6	2.0	ST	yes	1c,3a	102	97	106	93	97	98
	000.9	Young R2X	1	99	22	1.7	T	yes	1c	98	106	103	99	100	93
	00.3	P003Z08E	1	95	6	2.2	ST	–	1c	93	98	96	96	95	96
	00.2	NSC Arden RR2X	1	97	15	1.8	ST	–	1c	106	98	104	105	101	–
	00.1	BY Hector XT	2	92	10	1.9	ST	–	1c	88	88	94	73	82	85
	00.5	Hart R2X	2	98	19	1.9	ST	–	1c	104	95	114	96	97	–
	00.4	NSC Holland RR2X	2	95	13	1.9	ST	–	1c	101	100	104	87	94	–
	00.1	DKB001-07	3	102	9	1.7	T	yes	1k	100	103	100	97	96	–
	00.2	TH84002X	3	102	10	1.8	ST	yes	1c	101	96	99	82	100	95
	Experimental lines that are being tested/proposed for registration in Canada														
	000.7	PR180640-05	-2	98	5	2.0	ST	–	–	97	103	102	93	98	–
	000.7	C4M24518 XT	-2	91	6	2.0	ST	–	1k	94	95	99	91	86	87
	00.3	PR180517X-01-06	-1	85	4	2.3	S	–	1c	86	87	88	–	82	–
	00.6	EXP006-24E3	2	99	5	1.7	T	yes	1k,3a	99	98	114	92	99	–
	00.1	CP00123WPX	2	102	9	2.1	ST	yes	1c	100	112	103	97	102	100
	00.6	EXP006-24XF	3	95	5	1.8	ST	yes	1c,3a	97	96	101	92	92	–
Mid-Season Zone	00.3	BY Deno XT	4	97	10	2.0	ST	yes	1c	99	86	96	81	90	89
	00.4	Merino R2X	4	98	13	1.7	T	yes	1k	100	102	104	86	96	–
	00.4	P004Z87E	4	97	6	2.1	ST	–	1c	97	98	106	86	96	100
	00.3	Oslo XF	4	100	5	1.9	ST	–	–	95	101	105	102	99	–
	00.3	SI 00323XT	4	105	10	2.0	ST	–	1c	104	105	106	96	98	102
	00.2	DKB002-32	4	103	15	1.8	ST	yes	1k	107	110	115	98	107	–
	00.4	Bourke R2X	4	97	18	1.8	ST	–	1k	98	105	107	96	97	–
	00.2	PV 22s002 R2X	4	97	22	2.0	ST	yes	1k	102	106	86	86	88	91
	00.7	B0074EE	4	103	6	1.9	ST	–	1c	106	106	104	107	100	99
	00.6	Badger R2X	5	105	9	1.7	T	–	1k	105	115	103	101	98	98
	00.4	DKB004-04	5	99	5	1.7	T	yes	1c	107	106	105	79	97	–
	00.5	PV 16s004 R2X	6	97	18	1.8	ST	yes	1k	98	101	94	97	92	–
	00.6	Mao R2X	6	104	5	1.7	T	yes	1c	109	108	105	91	104	–
	00.5	TH84005XF	6	96	8	2.0	ST	yes	1c	91	92	96	82	87	–
	00.7	P007A68E	6	102	9	1.9	ST	–	1c	100	92	106	89	101	97
	00.5	TH82005 R2X	7	102	18	1.9	ST	–	1k	112	107	111	102	95	–
	Experimental lines that are being tested/proposed for registration in Canada														
	00.2	PR23X2350	4	101	6	2.0	ST	–	–	108	100	110	98	101	95
	00.9	PR24XF2450	6	100	5	1.8	ST	–	–	100	102	112	91	99	–
CHECK CHARACTERISTICS															
	00.3	**S003-R5X**	119 DTM	67 bu/ac	22 site-years					79	70	41	59	88	73
														bu/ac	
									CV %	4.0	3.2	5.9	5.7	4.6	5.3
									LSD %	6	5	10	10	7	8
									Sign. Diff.	yes	yes	yes	yes	yes	yes
									Seeding Date	May 29	May 21	May 22	May 16	May 17	May 29
									Harvest Date	Oct 7	Oct 2	Oct 7	Sep 25	Oct 3	Oct 1

† Maturity ratings were averaged across the Dauphin, Hamiota and Melita sites over multiple site years. ‡ Dashes indicate that varieties were not tested at the early sites.

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CONVENTIONAL SOYBEANS ◆ VARIETY DESCRIPTIONS

Manitoba Maturity Zone	Company Maturity Group	Variety	Average DTM +/- Check†	Long-Term Yield % Check	Site-Years Tested	Hilum Colour	IDC Rating (1–5)	IDC Group
Very Early-Season Zone	000.9	AAC Halli*	-8	91	27	Y	1.9	ST
	00.2	Siberia	-6	93	27	IY	1.9	ST
Early-Season Zone	00.4	Rosser	-4	97	24	IY	1.9	ST
	00.3	Reynolds	-1	93	26	IY	2.1	ST
	00.3	**Liska***	**0**	**100**	**27**	**IY**	**2.3**	**S**
	00.3	Arietta	0	106	8	IY	2.1	ST
	00.4	Abaca*	0	114	22	IY	1.9	ST
	Experimental lines that are being tested/proposed for registration in Canada							
	00.2	OT22-04	-3	102	12	Y	2.3	S
	00.2	OT24-03	-2	91	7	IY	2.3	S
	000.7	PR193498C-11	-2	97	4	IY	2.3	S
	00.3	OT24-04	-1	98	7	IY	2.4	S
	00.3	PR193409C-10	-1	96	4	IY	2.0	ST
	00.3	PR193839C-08	0	106	4	IY	2.3	S
Mid-Season Zone	00.7	Koa*	2	101	7	IY	1.9	ST
	00.6	Aurelina*	3	104	21	IY	2.0	ST
	00.7	Dufferin	3	101	11	IY	2.1	ST
	00.6	Maya*	4	89	12	Y	1.9	ST
	00.7	Jago	4	103	20	Y	2.3	S
	00.6	Nala*	4	97	5	Y	2.0	ST
	Experimental lines that are being tested/proposed for registration in Canada							
	00.5	OT20-06	2	107	9	Y	2.3	S
	00.4	OT24-05	2	104	7	IY	1.9	ST
	00.8	PR182740-19	2	107	4	Y	2.0	ST
Long-Season Zone	00.9	Hana	6	99	9	Y	2.1	ST
	00	Stanley	6	102	15	IY	2.1	ST
	Experimental lines that are being tested/proposed for registration in Canada							
	00.5	PR182804-02	8	122	3	IY	2.0	ST
CHECK CHARACTERISTICS								
	00.3	**Liska***	119 DTM	52 bu/ac	27 site-years			

† Maturity ratings were averaged across the Carman, Morris, Portage and St. Adolphe core sites over multiple years.

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CONVENTIONAL SOYBEANS ◆ YIELDS BY LOCATION ◆ EASTERN MANITOBA

Manitoba Maturity Zone	Variety	Average DTM +/- Check†	2024 Yield % Check: Early Sites‡ Arborg	Beausejour	Stonewall	Core Sites Carman	Morris	Portage	St. Adolphe
Very Early-Season Zone	AAC Halli*	-8	94	93	99	103	90	93	97
	Siberia	-6	97	96	103	105	95	89	100
Early-Season Zone	Rosser	-4	100	97	107	101	100	95	101
	Reynolds	-1	100	96	94	87	88	91	91
	Liska*	**0**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
	Arietta	0	109	101	112	128	113	101	102
	Abaca*	0	106	109	125	139	123	111	113
	Experimental lines that are being tested/proposed for registration in Canada								
	OT22-04	-3	92	105	102	110	96	105	102
	OT24-03	-2	91	89	97	102	88	85	89
	PR193498C-11	-2	–	–	–	112	96	94	89
	OT24-04	-1	105	99	89	101	96	96	93
	PR193409C-10	-1	–	–	–	115	88	92	90
	PR193839C-08	0	–	–	–	119	105	107	98

continued ➤

Manitoba Maturity Zone	Variety	Average DTM +/- Check†	2024 Yield % Check						
			Early Sites‡			Core Sites			
			Arborg	Beausejour	Stonewall	Carman	Morris	Portage	St. Adolphe
Mid-Season Zone	Koa*	2	–	–	–	106	111	89	102
	Aurelina*	3	98	104	102	112	107	98	104
	Dufferin	3	–	–	–	113	110	92	102
	Maya*	4	–	–	–	91	90	85	95
	Jago	4	–	–	–	110	112	97	100
	Nala*	4	–	–	–	102	103	89	109
	Experimental lines that are being tested/proposed for registration in Canada								
	OT20-06	2	–	–	–	119	118	105	103
	OT24-05	2	91	107	108	116	107	106	105
	PR182740-19	2	–	–	–	117	109	97	106
Long-Season Zone	Hana	6	–	–	–	112	106	96	100
	Stanley	6	–	–	–	120	102	104	99
	Experimental lines that are being tested/proposed for registration in Canada								
	PR182804-02	**8**	–	–	–	142	114	110	–
CHECK CHARACTERISTICS									
	Liska*	119 DTM	75	54	49	44	42	49	57
			bu/ac						
		CV %	12.1	7.2	4.3	5.9	6.6	4.5	4.7
		LSD %	–	12	8	11	11	7	8
		Sign. Diff.	no	yes	yes	yes	yes	yes	yes
		Seeding Date	May 23	May 30	May 10	May 23	May 23	May 31	May 23
		Harvest Date	Oct 2	Oct 3	Oct 1	Oct 9	Oct 1	Oct 8	Sep28

† Maturity ratings were averaged across the Carman, Morris and St. Adolphe core sites over multiple years. ‡ Dashes indicate that varieties were not tested at the early sites.

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CONVENTIONAL SOYBEANS ◆ YIELDS BY LOCATION ◆ WESTERN MANITOBA

Manitoba Maturity Zone	Company Maturity Group	Variety	Average DTM +/- Check†	Long-Term Yield % Check	Site-Years Tested	Hilum Colour	IDC		2024 Yield % Check	
							Rating (1–5)	Group	Melita	Souris
Very Early-Season Zone	00.2	Ambella	-12	86	10	BR	2.0	ST	83	73
Early-Season Zone	000.9	AAC Halli*	-5	96	14	Y	1.9	ST	108	90
	00.2	Siberia	-3	96	12	IY	1.9	ST	98	96
Mid-Season Zone	00.4	Abaca*	0	106	4	IY	1.9	ST	111	114
	00.3	**Liska***	**0**	**100**	**10**	**IY**	**2.3**	**S**	**100**	**100**
	00.4	Rosser	0	99	6	IY	1.9	ST	105	98
	Experimental lines that are being tested/proposed for registration in Canada									
	00.5	**CDC Cedar**	**-4**	**99**	**2**	**IY**	**2.1**	**ST**	**110**	**95**
CHECK CHARACTERISTICS										
		Liska*	120 DTM	45 bu/ac	10 site-years				50	81
									bu/ac	
								CV %	6.8	5.5
								LSD %	11	8
								Sign. Diff.	yes	yes
								Seeding Date	May 16	May 17
								Harvest Date	Sep 24	Oct 3

† Maturity ratings were averaged across the Melita and Swan River sites over multiple years. Actual maturity will depend on seasonal growing conditions.

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