

WESTERN MANITOBA HERBICIDE TOLERANT SOYBEANS

Comments:

The Western Manitoba soybean variety trial was sponsored by the Manitoba Pulse & Soybean Growers.

Maturity Zone	Variety	Type ¹	Yield % Check	Site Years Tested	Maturity (days) +/- check ²	IDC ³ Rating/Group	Resistance		2025 Yield % of S003-R5X					
							SCN ⁴	PRR ⁵	Dauphin	Hamiota	Holland	Melita	Souris	Swan River
Very Early Season Zone	BY Nebo XT	R2X	90	12	-4	2.1 / ST	Yes	1c	83	88	87	89	88	85
	S0009-J5X	R2X	94	16	-3	2.0 / ST	-	1c,3a	87	88	101	93	93	84
Early Season Zone	S001-D8X	R2X	91	28	-2	2.0 / ST	-	1c	83	82	117	96	91	88
	PV S0009X84	R2X	100	16	-1	1.8 / ST	Yes	-	100	90	116	100	94	97
	Wolf R2X ☺	R2X	88	22	-1	1.8 / ST	Yes	3a	88	83	90	91	86	83
	SI Mizuki XTN	R2X	100	6	-1	2.0 / ST	Yes	1c	103	102	112	98	92	97
	Alouette R2X	R2X	90	12	0	1.8 / ST	-	1c	87	94	93	98	87	79
	S003-B8XF	R2XF	90	6	0	2.2 / ST	-	1c	93	78	97	93	90	92
	Gecko R2X	R2X	94	16	0	2.0 / ST	-	1c	87	89	90	89	84	92
	NSC Newdale RR2X	R2X	90	6	0	1.9 / ST	Yes	1c	96	92	85	97	88	84
	S003-R5X	R2X	100	28	0	2.1 / ST	-	1c	100	100	100	100	100	100
	B0024EE	E3	93	12	0	1.9 / ST	-	1k,6	86	78	86	95	92	89
	BY Meru E3	E3	95	12	1	2.0 / ST	-	1c	89	91	102	101	94	90
	TH85003XF	R2XF	97	12	1	1.9 / ST	Yes	1c,3a	96	91	93	103	97	88
	NSC Enforce E3	E3	99	11	1	1.7 / T	-	1k	90	94	97	97	88	93
	NSC Arden RR2X	R2X	96	21	1	1.8 / ST	-	1c	94	85	101	101	91	89
	Briggs R2X	R2X	92	22	1	1.9 / ST	Yes	1c	91	91	92	85	82	86
	P003Z08E	E3	96	12	2	2.1 / ST	-	1c	97	101	104	100	91	95
	Young R2X	R2X	98	28	2	1.7 / T	Yes	1c	91	94	105	99	90	86
	NSC Holland RR2X	R2X	95	18	2	1.9 / ST	-	1c	93	91	113	98	91	-
	BY Deno XT	R2X	98	16	3	1.9 / ST	Yes	1c	104	94	118	102	93	99
	Hart R2X	R2X	98	24	3	1.9 / ST	-	1c	103	93	112	102	91	-
	TH84002X	R2X	100	16	3	1.8 / ST	Yes	1c	98	97	100	99	95	90
	DKB001-07	R2X	99	15	3	1.8 / ST	Yes	1k	100	87	95	91	95	92
	Experimental lines that are being tested / proposed for registration in Canada													
	PR180640-05	R2X	93	11	-2	2.0 / ST			91	87	106	84	85	83
	BY25X002002BCX	R2X	94	6	0	1.9 / ST	Yes	1c	91	89	105	99	91	91
	BY25X003001MSX	R2X	85	6	4	1.8 / ST	-	1k	85	79	95	87	90	78

Western Herbicide Tolerant Soybean Variety Descriptions

Maturity Zone	Variety	Type ¹	Yield % Check	Site Years Tested	Maturity (days) +/- check ²	IDC ³ Rating/ Group	Resistance		2025 Yield % of S003-R5X					
							SCN ⁴	PRR ⁵	Dauphin	Hamiota	Holland	Melita	Souris	Swan River
Mid Season Zone	Merino R2X	R2X	97	18	4	1.7 / T	Yes	1k	98	88	109	93	90	-
	P004Z87E	E3	97	12	4	2.0 / ST	-	1c	98	94	106	103	91	99
	Oslo XF	R2XF	98	10	4	1.9 / ST	-	1c	91	100	105	100	91	-
	Bourke R2X	R2X	96	23	4	1.8 / ST	-	1k	93	90	105	91	89	-
	Ryno R2X	R2X	98	12	4	2.0 / ST	-	1c	94	86	99	105	92	86
	DKB002-32	R2X	102	21	4	1.8 / ST	Yes	1k	102	98	104	94	94	94
	S005-Z5XF	R2XF	95	6	4	1.9 / ST	Yes	1c,3a	91	86	108	98	91	97
	SI 00323XT	R2X	103	16	5	2.0 / ST	-	1c	100	100	96	107	87	104
	B0045EE	E3	92	6	5	2.0 / ST	Yes	1k	92	101	86	95	91	88
	NSC OakBank RR2X	R2X	101	5	5	1.8 / ST	-	1c	100	99	110	105	96	-
	DKB004-04	R2X	99	11	5	1.7 / T	Yes	1c	106	99	117	98	92	89
	PV 22s002 R2X	R2X	96	28	5	2.0 / ST	Yes	1k	94	88	112	88	86	91
	B0065EE	E3	96	6	6	2.0 / ST	Yes	1c	101	95	102	103	84	96
	P007A68E	E3	103	15	6	1.9 / ST	-	1c	108	103	115	105	91	106
	SI Avita E3	E3	100	6	7	1.7 / T	-	1c	105	81	116	108	93	100
	Melo XF	R2XF	99	10	7	1.7/T	Yes	1c,3a	103	86	115	99	96	-
	TH82005 R2X	R2X	102	23	7	1.9 / ST	-	1k	108	90	107	99	102	-
	P007Z82E	E3	99	6	7	1.8 / ST	Yes	1c	94	94	116	101	93	99
CHECK CHARACTERISTICS S003-R5X							S003-R5X (bu/ acre)		70	56	44	60	76	69
							CV%		5.9	4.9	8.2	5.0	5.5	6.7
							LSD%		9	7	14	8	8	10
							Sign Diff.		Yes	Yes	Yes	Yes	Yes	Yes
							Seeding Date		19-May	26-May	27-May	27-May	27-May	22-May
							Harvest Date		6-Oct	8-Oct	8-Oct	1-Oct	2-Oct	9-Oct

¹ R2X -Xtend technology (dicamba and glyphosate), R2Y-Roundup-Ready 2 technology (glyphosate only), RRI - Roundup Ready 1 technology (glyphosate), E3 Enlist (glyphosate,2,4-D,glufosinate) WPX-Blended Variety Extend Tolerant (glyphosate, dicamba), R2XF Extend Flex Technology (Glyphosate,Dicamba,glufosinate)

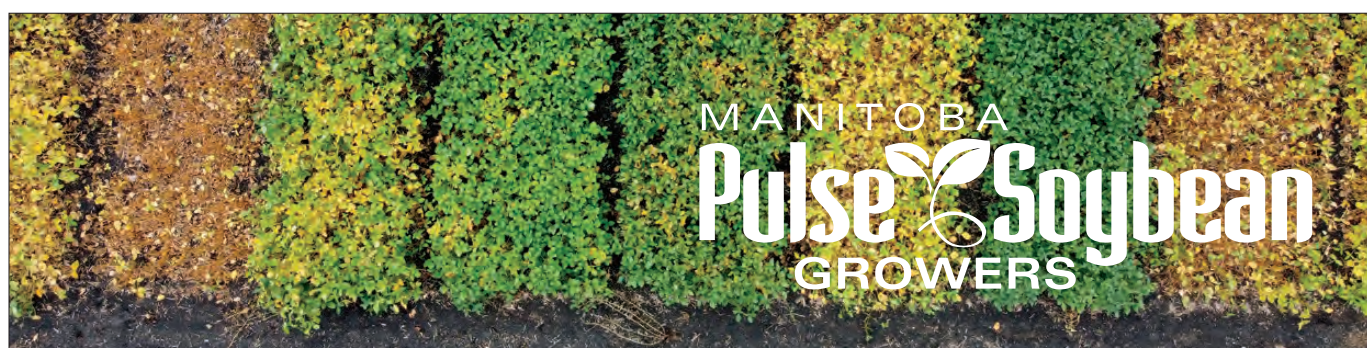
² Relative days to maturity based on multiple year average.

³ Iron Deficiency Chlorosis (IDC) Groupings -These ratings determined at a separate trial near Winnipeg that is prone to IDC

T-Tolerant, ST-Semi-Tolerant, S-Suceptible

⁴ SCN -Soybean Cyst Nematode Resistance

⁵ PRR-Phytophthora Race Specific Resistant Genes



Working for farmers



MPSG is proud to collaborate with MCVET and the seed industry to conduct regional variety trials. These trials deliver unbiased, third-party data on agronomics, disease resistance, and quality, empowering farmers to make informed decisions when selecting varieties for their farm.

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