

Soybean Varieties for Saskatchewan in 2019

Varieties proposed to be available for growers in Saskatchewan for the 2019 growing season are listed in the following tables and are ordered by maturity for each company. Individual variety information is available on the company website and Seed Guide links included in the tables. Soybean Regional Variety Trials are coordinated by Saskatchewan Pulse Growers. The results from the 2018 trials are presented below.

Bayer CropScience (DEKALB)	
www.dekalb.ca Seed Guide: http://www.dekalb.ca/seed_guides/2019/West-MB-SK-SOY.pdf	DKB0005-44 (Limited Quantities) DKB0009-89 (Limited Quantities) 22-60RY 23-11RY 23-60RY DKB003-29 (New) 24-10RY DKB005-52 (New) DKB006-29 (New) DKB006-99 (Limited Quantities) DKB007-67 (Limited Quantities) 25-10RY
BrettYoung / Elite Seeds	
http://elite.coop/en Seed Guide: http://elite.coop/sites/default/files/guide/522288_guide_elite_2019_eng_lr-2_3.pdf	NOCOMA R2 AKRAS R2 LASSA R2X NOTUS R2 SUNNA R2X MANI R2X KARPO R2 LONO R2 MARDUK R2X VIDAR R2X
CROPLAN® by WinField United	
https://www.croplan.com Seed Guide: https://issuu.com/landolakes6/docs/croplan_seed_guide_an_2019_web?e=33415316/64325955	RX000918 RX00218 RX00797

DuPont Pioneer	
https://ca.pioneer.com/west/en/ Seed Guide: https://ca.pioneer.com/west/media/1997/2746-pioneer-seed-guide_2019_lr.pdf	P002A19X P005A27X P006A37X
Legend Seeds	
http://legendseeds.ca/products Seed Guide: http://legendseeds.ca/products/?soybeans	LSTR17XT LSTR18XT LSTR19R2Y SL001XT
NorthStar Genetics	
https://www.northstargenetics.com/ca/ Seed Guide: https://issuu.com/intrepid604/docs/nsg_ca_pg_web_ready_20180813mt	NSC LEROY RR2Y NSC WATSON RR2Y NSC MELFORT RR2X (Limited Release) NSC RESTON RR2Y NSC REDVERS RR2X (Limited Release) NSC NEWTON RR2X NSC GLADSTONE RR2Y (Mid-Season)
Nutrien Ag Solutions	
https://www.nutrienagsolutions.ca Seed Guide: https://view.joomag.com/nutrien-ag-solutions-seed-guide-2019/0566442001534368718	PV 11s001 R2 PV 16s004 R2X (New) PV 10s005 R2
PRIDE SEEDS	
https://www.prideseed.com Seed Guide: https://www.prideseed.com/files/prideseeds/Yield%20Guide/2019%20western%20yield%20guide.pdf	PS 00095 R2 PS 0035 NR2 PS 0044 XRN 0066 XR PS 0068 XR (New)

SeCan		Syngenta	
https://secan.com/ Seed Guide: https://secan.com/sites/default/files/SeCan_SeedGuide2019_WEST_FINAL%20Website.pdf	BARRON R2X FISHER R2X PRINCE R2X BISHOP R2 MAHONY R2 McLEOD R2 FOOTE R2 BOURKE R2X BARKER R2X GRAY R2	https://www.syngenta.ca/soybean-seed/en Seed Guide: http://www.syngentaebiz.com/Media_Upload/Pdfs/syngenta_wcu_seed_guide_2019.pdf	S0007-B7X (New) S0009-M2 S0009-D6 S003-L3 S006-W5 S006-M4X (New) S007-Y4 S008-N2
Prograin		Thunder Seed	
https://www.semencesprograin.com/ca-en/seeds/ Seed Guide: https://semencesprograin.com/wp-content/themes/prograin/guide/west_2019/guide_prograin_2019_en_west.pdf	DAYO R2X – Xtend DARIO R2X – Xtend TORRO R1 - RR2Y DEVO R2X – Xtend ALASKA – IP Conventional DINERO R2X – Xtend MAXUS – IP Conventional DYLANO R2X – Xtend KOSMO R2 – RR2Y DUGALDO R2X – Xtend OPUS – IP Conventional DOMINGO R2X – Xtend	http://thunderseed.com/canadian-seed/canadian-soybean/ Seed Guide: http://thunderseed.com/wp-content/uploads/2014/08/Thunder-Seed-Canada-19-compressed.pdf	TH 890005 R2XN TH 87000 R2X TH 33003R2Y TH 87003 R2X TH 32004R2Y TH 37004 R2Y

Varieties proposed for 2019 can be limited in seed supply. Check with your distributor for availability.

Herbicide Tolerant Soybean Regional Variety Trial Results from 2018

Name	PBR	Company Maturity Grouping ¹	Herbicide tolerance type ²	Hilum Colour ³	Mean Yield (Kg/ha)	Yield rank	Mean yield % TH 33003R2Y	Days to Maturity ⁴ (+/- TH 33003R2Y = 109.5 days)	2018 Yields (% TH 33003R2Y) by Location								
									Short season: Northern Black & Grey Soil Zones			Mid-season: Central Dark Brown Soil Zone			Long season: SE Dark Brown & Black Soil Zone		
									Rosthern	Melfort	Kamsack	Outlook IRR	Outlook DRY	Saskatoon	Halbrite	Redvers	
TH 33003R2Y		00.3	RR2	BR	2457	22	100	0	100	100	100	100	100	100	100	100	
P0007A43R	Upov 91	000.7	RR1	BR	1943	59	79	-12	91	81	107	68	70	80	101	69	
P0007A65R		000.7	RR1	BR	2007	58	82	-11	92	96	119	67	67	80	85	73	
P000A87R		000	RR1	TN	2195	51	89	-10	104	90	128	76	65	86	122	87	
NSC Leroy RR2Y		000.6	RR2	Y	2351	30	96	-9	121	100	135	80	84	89	115	87	
S0007-B7X		000.7	RR2X	BF	2302	42	94	-9	134	94	111	71	93	93	99	97	
NSC Watson RR2Y		000.8	RR2	IY	2547	9	104	-9	123	114	126	89	90	98	114	101	
S0009-D6		000.9	RR2	IY	2673	5	109	-8	135	110	144	98	102	95	114	107	
S0009-M2		000.9	RR2	IY	2495	17	102	-8	127	116	141	73	92	94	116	99	
Dayo R2X		000	RR2X		2306	41	94	-7	100	103	136	77	79	88	97	100	
Nocomar2	Upov 91	000.8	RR2	IB	2517	16	102	-7	125	98	140	92	91	100	129	92	
TH890005 R2XN		000.5	RR2X	BL	2335	34	95	-7	121	99	129	83	95	91	92	86	
PV 17s0007 R2X		000.7	RR2X	BL	2229	49	91	-7	114	96	113	75	73	94	91	97	
DKB0005-44		000.5	RR2X	BL	2490	19	101	-6	131	102	125	88	88	100	107	104	
S003-L3		00.3	RR2	BR	2691	3	110	-6	137	109	144	89	104	108	118	113	
Barron R2X		000.8	RR2X	BR	2217	50	90	-5	118	97	95	69	73	86	111	99	
PS 00095 R2		000.9	RR2	BL	2733	1	111	-5	140	113	138	99	100	107	126	105	
NSC Melfort RR2X		00.1	RR2X	BL	2272	46	92	-4	102	102	112	76	72	88	107	99	
LS TRI8XT		000.8	RR2X	BL	2384	29	97	-4	111	100	110	84	76	95	99	114	
Dario R2X		000	RR2X	BR	2127	57	87	-4	99	91	92	79	78	77	92	92	
LS TRI7XT		000.7	RR2X	GY	2181	53	89	-3	104	87	97	79	83	91	109	86	
Torro R2		00	RR2	BL	2422	27	99	-3	115	108	121	81	91	98	113	92	
PS 00078 XRN		000.7	RR2X	BL	2539	12	103	-3	138	105	137	90	90	112	93	101	
S006-W5		00.5	RR2	IY	2294	44	93	-3	99	100	76	80	82	101	112	100	
TH 87000 R2X		000.8	RR2X	BR	2252	47	92	-3	98	100	112	76	82	81	107	96	
CFS18.50					2598	8	106	-3	131	109	134	90	93	97	122	106	
LS TRI9R2Y		000.9	RR2	IY	2241	48	91	-3	98	106	104	75	84	80	106	91	
LS 001XT		00.1	RR2X	BL	2474	21	101	-3	127	99	101	86	89	99	118	110	
CBZ916B2-C0DNN		00	RR2X	BR	2316	39	94	-3	104	99	124	81	87	84	100	100	
P002A63R	Upov 91	00.2	RR1	TN	2615	7	106	-2	122	108	127	94	94	102	118	112	
PV 11s001 RR2		00.1	RR2	Y	2348	31	96	-2	108	99	124	86	87	84	100	99	
RX000918		000.9	RR2X	BL	2493	18	101	-2	119	106	136	86	91	100	109	101	
DKB0009-89		000.9	RR2X	BL	2529	13	103	-2	102	106	143	89	99	102	95	112	
Fisher R2X		000.9	RR2X	BL	2301	43	94	-2	114	89	114	78	70	86	101	121	
22-60RY		000.9	RR2	BL	2453	23	100	-2	124	101	134	91	93	85	89	106	
Lassa R2X		000.9	RR2X		2309	40	94	-1	118	80	122	85	93	85	104	102	
Yield (bu/ac)					35.5				24.3	56.4	19.7	52.3	30.0	27.5	27.2	47.0	

(continued on next page)

Herbicide Tolerant Soybean Regional Variety Trial Results from 2018 (continued)

Name	PBR	Company Maturity Grouping ¹	Herbicide tolerance type ²	Hilum Colour ³	Mean Yield (Kg/ha)	Yield rank	Mean yield % TH 33003R2Y	Days to Maturity ⁴ (+/- TH 33003R2Y = 109.5 days)	2018 Yields (% TH 33003R2Y) by Location								
									Short season: Northern Black & Grey Soil Zones			Mid-season: Central Dark Brown Soil Zone			Long season: SE Dark Brown & Black Soil Zone		
									Rosthern	Melfort	Kamsack	Outlook IRR	Outlook DRY	Saskatoon	Halbrite	Redvers	
TH 33003R2Y		00.3	RR2	BR	2457	22	100	0	100	100	100	100	100	100	100	100	
PV 15s0009 R2X		000.9	RR2X	BL	2452	24	100	-1	116	102	96	76	95	102	121	111	
S007-Y4		00.5	RR2	IY	2660	6	108	-1	112	112	112	95	101	101	114	125	
Prince R2X		00.1	RR2X	BL	2339	33	95	-1	91	90	113	92	82	91	103	109	
NSC Redvers RR2X		00.2	RR2X	BL	2340	32	95	-1	96	96	76	86	88	88	112	115	
PS 0044 XRN		00.3	RR2X	BL	2444	26	99	-1	122	93	119	86	90	93	114	110	
23-11RY		000	RR2	BL	2404	28	98	-1	124	92	123	87	83	98	104	106	
TH 87003 R2X		00.3	RR2X	BL	2475	20	101	-1	121	101	124	81	87	101	105	117	
P005A27X		00.5	RR2X	BR	2690	4	110	-1	121	111	116	101	111	100	125	106	
TH 32004R2Y		00.4	RR2	BL	2447	25	100	-1	101	99	78	96	95	95	109	114	
DKB003-29		00.3	RR2X	BL	2316	38	94	0	107	84	98	79	90	92	125	108	
P006T46R	Upov 91	00.6	RR1	BR	2546	10	104	0	114	107	94	91	95	104	122	111	
Mahony R2		00.3	RR2	BL	2524	14	103	0	129	91	128	87	100	106	115	110	
Sunna R2X		00.1	RR2X		2518	15	102	0	129	100	98	93	98	103	107	107	
McLeod R2		00.3	RR2	BL	2332	35	95	0	108	86	95	79	95	101	108	110	
PS 0035 NR2		00.3	RR2	BL	2542	11	103	0	125	91	112	89	102	111	118	114	
Kosmo R2		0	RR2	IY	2325	36	95	1	114	85	129	86	88	98	99	97	
PV 16s004 R2X		0.4	RR2X	BL	2322	37	94	1	97	86	93	88	95	105	99	104	
Akras R2		0.3	RR2	IB	2726	2	111	1	126	105	144	97	107	125	124	104	
NSC Newton RR2X		0.3	RR2X	BR	2167	56	88	1	96	84	90	74	89	90	105	98	
CFS18.06 R2D		0.3	RR2X		2184	52	89	1	106	82	84	87	82	88	98	94	
TH 37004 R2Y		0.4	RR2	BL	2181	54	89	2	96	80	86	82	86	100	90	101	
Foote R2		0.5	RR2	IY	2275	45	93	3	98	96	83	88	88	95	82	104	
PV 10s005 RR2		0.5	RR2	BL	2178	55	89	4	101	56	91	91	91	96	95	110	
GRAND MEAN (kg/ha)					2389				1634	3791	1324	3520	2014	1848	1828	3161	
Yield (bu/ac)					35.5				24.3	56.4	19.7	52.3	30.0	27.5	27.2	47.0	
CV⁶									9.8	5.9	15.0	9.7	7.5	7.9	9.1	6.9	
LSD⁷ (%)									17%	11%	28%	18%	15%	15%	18%	14%	
Sig. diff									Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Seeding date									May-21	May-22	May-23	May-23	May-23	May-21	May-28	May-21	
Harvest date									Sep-27	Oct-18	Sep-28	Oct-12	Oct-12	Sep-20	Sep-27	Sep-28	

Conventional Soybean Regional Variety Trial Results from 2018

Name	PBR status	Company Maturity Grouping ¹	Herbicide tolerance type ²	Hilum Colour ³	Yield (Kg/ha) ⁴	Yield rank	Days to Maturity ⁵ (+/- OAC Prudence = 110 days)			Yield (% OAC Prudence)		Mean yield % OAC Prudence ⁴
							Redvers	Rosthern	Mean mat	Redvers	Rosthern	
OAC Prudence		00.3	Con	Y	1756	4	0	0	0	100	100	100
AAC Edward	UPOV 91	00.4	Con	CLR	2092	2	-7	-5	-5	117	122	119
Alaska		00	Con	IY	1423	7	-6	-3	-4	67	96	81
PR110524Z023		00	Con	IY	2117	1	-3	-2	-2	122	120	121
CFS18.1.01		00.5	Con	IY	1816	3	1	-1	1	109	97	103
Maxus		00	Con	IY	1653	5	4	-1	2	98	90	94
Terra S-11			Con	IY	1521	6	5	0	3	87	86	87
Jari		00.9	Con	IY	1137	8	8	1	5	80	48	65
GRAND MEAN					1689					1787	1592	
Yield (bu/ac)					25					26.6	23.7	

CV⁶	5.5	6.0	5.8
LSD ⁷ (kg)	173	168	155
LSD (%)	10%	11%	9%

Seeding date	May-23	May-21
Harvest date	Oct-11	Sep-27

NOTES:

¹ **Maturity Groups** are assigned by individual companies to assist growers select varieties suitable for their area; growers should not rely on only one source of information for judging maturity.

² **Herbicide Tolerance Type:**

Con = Conventional soybean varieties that **do not** have tolerance to glyphosate

RR1 = Roundup Ready 1 soybeans with glyphosate herbicide tolerance

RR2 (R2Y) = Genuity® Roundup Ready 2 Yield® soybeans with glyphosate herbicide tolerance

RR2X = Roundup Ready 2 Xtend® soybeans with dicamba and glyphosate herbicide tolerance

³ **Hilum** is the point where seed attaches to the pod. Y-Yellow, IY-Imperfect Yellow, CLR-Clear

⁴ One-year **mean yields** over all locations from 2018. For herbicide tolerance trial the check variety TH 33003R2Y yielded an average of 35.5 bushels per acre (bu/ac). In the conventional trial the check variety OAC Prudence average yield over two sites was 25 bu/ac. Typical on-farm yields are 25 to 38 bu/ac.

⁵ **Days to maturity** indicates days from seeding to 95 per cent mature pods. Only sites which reached maturity prior to a killing frost were used for calculating days to maturity. From past experience, moist growing seasons result in delayed maturity.

⁶ **CV = Coefficient of variation** is a measure of relative variability. It is the ratio of the standard deviation to the mean (or average). It shows the extent of variability in relation to the mean or average of a population. For variety trials, a CV of 15 per cent is usually the maximum allowed for a site to be included in the analysis. Higher CVs mean there is too much variability in the data. The lower the CV, the less variability in the data.

⁷ **LSD = Least Significant Difference** allows comparisons between the means of two varieties. For two varieties to be statistically different, the difference in their means must be larger than the LSD. For example - with an LSD at 10 per cent, and a yield difference between two varieties of 5 per cent equate to no statistical difference between those two varieties. If the yield difference was 15 per cent then there would be a statistical difference, and one variety would be ranked higher than another.

Information developed Dec 5, 2018