

Saskatchewan Soybean Regional Variety Trial (SRVT) - 2019 Performance Summary (long season zones)

Entry	Variety Name	PBR Status	Company Maturity Grouping	Herbicide Resistance Type	Years Tested	Overall Yield Rank	(5) 2019 Yield (% TH 33003R2Y) by Location (LSZ)					Mean Yield*	(3) Days to Maturity (4 sites)	
							Outlook (Irr)	Saskatoon	Redvers	Indian Head	Griffin		% TH 33003R2Y	Days +/- TH 33003R2Y
							39	TH 33003R2Y		00.3	RR2	8	13	100
19	NSC Watson RR2Y		000.8	RR2Y	5	23	80	97	107	109	86	96	-5	0
1	PV 16s004 R2X		00.4	RR2X	2	18	80	121	107	87	93	98	3	8
2	PV 10s005 RR2		00.5	RR2Y	2	25	82	113	104	75	92	93	4	10
3	B0030L1		00_E	RR2Y	1	29	84	97	92	98	87	92	2	7
4	B0040L1		00_M	RR2Y	1	37	77	78	87	53	101	79	6	11
5	DKB003-29		00.3	RR2X	3	31	70	108	97	88	91	91	3	8
6	P002A63R	Applied	00_E	RR1	3	9	108	130	93	91	98	104	-3	3
7	P003A97X		00_E	RR2X	1	35	82	77	117	82	81	88	1	7
8	P005A27X		00_M	RR2X	2	27	77	116	92	84	96	93	2	8
9	P005A83X		00_M	RR2X	1	16	84	112	78	118	103	99	1	6
10	Akras R2		000.9	RR2	5	4	102	113	111	145	101	115	4	9
12	Sunna R2X		00.1	RR2X	2	3	120	138	125	99	103	117	0	5
14	Renuka R2X		00.6	RR2X	1	6	90	127	107	116	110	110	0	5
15	Lono R2	PBR'91	00.6	RR2	5	2	113	136	111	125	106	118	2	8
16	LS TR18XT		000.8	RR2X	2	36	73	94	96	69	78	82	-3	2
17	LS 001XT		00.1	RR2X	2	28	73	106	91	96	96	92	0	5
18	NSC Redvers RR2X		00.2	RR2X	2	21	80	114	113	84	91	96	0	5
20	NSC Newton RR2X		00.3	RR2X	2	17	72	115	100	112	92	98	1	6
21	NS EXP002E		00.2	E3	1	38	53	66	94	86	66	73	0	5
22	PS 0044 XRN		00.3	RR2X	2	15	94	111	104	87	101	99	0	6
23	Torro R2		00.1	RR2Y	3	32	71	109	85	105	82	90	-2	3
24	Devo R2X		00.2	R2X	2	11	102	112	107	101	91	103	-4	2
25	Dinero R2X		00.3	R2X	1	24	82	75	117	108	96	96	0	5
26	Mahony R2		00.3	RR2	6	8	100	109	109	111	105	107	1	7
27	McLeod R2		00.3	RR2	8	7	104	142	107	88	102	109	0	5
28	Prince R2X		00.1	R2X	2	30	90	97	94	85	92	92	1	6
29	SC19-2400		00.4	R2X	1	19	62	118	106	91	107	97	2	7
30	S0007-B7X		000.7	RR2X	2	34	79	107	91	82	85	89	-10	-5
31	S0009-M2		000.9	RR2Y	5	26	85	75	110	108	89	93	-6	-1
32	S003-Z4X		00.3	RR2X	1	5	105	118	110	116	108	111	-1	4
33	S007-Y4		00.5	RR2Y	6	1	97	131	118	139	117	120	2	7
34	S006-M4X		00.6	RR2X	1	10	94	128	104	91	100	103	1	6
35	TH89004 R2X		00.4	RR2X	1	12	81	129	97	101	96	101	-1	4
36	TH87003 R2X		00.3	RR2X	2	33	87	104	94	83	84	90	0	6
40	CP000719RX		000.7	RR2X	1	14	86	116	92	113	94	100	-6	-1
41	RX000918		000.9	RR2X	2	22	71	110	107	101	91	96	1	6
42	RX000218		00.2	RR2X	1	20	80	100	118	97	88	97	-3	2

Trial CV (kg/ha) = 11.7

LSD (kg/ha) = 363

Check yield (kg/ha) 1943

Check yield (bu/ac) 28.9

\*% mean yield calculated as mean of site percentages in order to give each site equal weight

**Yield means based on G x E statistical analysis in Agrobase**

Yield means at each location are calculated by nearest neighbor

Zone	Sites	CV*	LSD	Grand mean
MSZ	Outlook (Irr)	13.1	598	2346
	Saskatoon	16.0	295	951
LSZ	Redvers	11.9	439	1907
	Indian Head	10.9	204	962
	Griffin	6.8	412	3132

\* CV's calculated based on nearest neighbour analysis in Agrobase

Sites used for maturity data:

Griffin

Redvers

Indian Head

Saskatoon

\*Note: Variety names (spelling, capital letters, spaces) have been verified according to CFIA registration

Dropped sites in 2019:

Moose Jaw: lost due to drought

Outlook DRY (mid-long): lost due to drought & weediness

Saskatchewan Soybean Regional Variety Trial (SRVT) - 2019 Performance Summary (short season zone)

Entry	Variety Name	PBR Status	Company Maturity Grouping	Herbicide Resistance Type	Years Tested	2019 Yield (% TH 33003R2Y) by Location (SSZ)						Mean Yield* % TH 33003R2Y
						Outlook (Irr)	Saskatoon	Melfort	Rosthern	Scott	Kamsack	
31	TH 33003R2Y		00.3	RR2	8	100	100	100	100	100	100	100
18	NSC Watson RR2Y		000.8	RR2Y	5	64	108	115	83	90	110	95
1	PV 15s0009 R2X		000.9	RR2X	2	67	72	87	90	71	79	78
2	PV 11s001 RR2		00.1	RR2Y	3	77	77	93	80	95	80	84
3	PVEXP19-S1		000.9	RR2X	1	84	118	124	91	97	128	107
4	XB0009G18X		000_L	RR2X	1	86	73	109	73	67	84	82
5	XB002G18X		00_E	RR2X	1	50	87	99	69	71	85	77
6	B0030L1		00_E	RR2Y	1	67	75	76	77	69	47	68
7	DKB0005-44		000.5	RR2X	2	63	85	102	91	87	92	87
8	DKB0009-89		000.9	RR2X	2	67	85	102	94	89	64	84
9	P0007A73X		000_L	RR2X	1	44	77	88	53	71	69	67
10	P000A52R	Applied	000_L	RR1	1	81	78	96	77	78	76	81
11	P001A48X		00_E	RR2X	1	107	108	113	106	101	100	106
12	Varuna R2	Applied	000.4	RR2	1	82	103	123	89	90	123	102
13	Amirani R2	Applied	000.5	RR2	1	57	119	113	72	89	105	92
14	NocomaR2		000.5	RR2	3	88	86	112	77	95	100	93
15	Karpo R2	Applied	000.7	RR2	2	111	143	125	86	100	122	114
16	Notus R2		000.2	RR2	3	91	94	108	106	87	122	102
17	NSC EXP0005 RR2X		000.5	RR2X	1	65	110	125	93	90	108	98
19	NSC Leroy RR2Y		000.6	RR2Y	4	72	91	95	70	89	89	84
20	PS 00078 XRN		000.7	RR2X	2	68	87	96	90	86	85	85
21	Torro R2		00.1	RR2Y	3	81	96	99	87	89	80	89
22	Devo R2X		00.2	R2X	2	92	114	104	89	82	87	95
24	Fresco R2X		000.7	R2X	1	86	108	128	82	84	108	99
25	Fisher R2X		000.9	R2X	2	54	74	83	92	45	55	67
26	Barron R2X		000.8	R2X	3	66	69	96	69	91	71	77
27	S0007-B7X		000.7	RR2X	2	79	100	127	87	88	81	93
28	S0009-M2		000.9	RR2Y	5	78	99	128	100	99	102	101
29	CP000719RX		000.7	RR2X	1	77	109	110	83	92	134	101
30	RX000918		000.9	RR2X	2	70	92	98	95	84	77	86

Check yield (kg/ha) 1908  
Check yield (bu/ac) 28.4

Trial CV = 11.0

\*% mean yield calculated as mean of site percentages in order to give each site equal weight

Yield calculations by site based on G x E statistical analysis in Agrobase

Individual site analyses & cv's are calculated by nearest neighbor

Zone	Sites	CV	LSD	Grand mean	Bu/ac
MSZ	Outlook (Irr)	14.7	624	2178	32.4
	Saskatoon	11.3	180	815	12.1
SSZ	Melfort	8.6	660	3958	58.9
	Rosthern	14.6	173	605	9.0
	Scott	10.0	325	1672	24.9
	Kamsack	8.5	107	648	9.6

Sites used for maturity data:

Saskatoon  
Kamsack  
Rosthern

Dropped sites in 2019:

Outlook DRY ost due to drought

