

2017 Saskatchewan Soybean Regional Variety Trial Results

Variety	Company	Yield	Site	2017 Yields as % of TH33003 R2Y (check) by Location													
				Maturity	%	Years	Relative Days to Maturity			Central Dark Brown Soil Zones			South East Black Soil Zones		Northern Black & Grey Soil Zones		
							2017	2016	2015	Outlook (irrigated)	Outlook (dryland)	Saskatoon	Indian Head	Redvers A	Redvers B	Rosthern	Melfort
P0007A43R	UPOV 91	RR1	000.7	80	8	104	-	-	64	71	63	81	88	-	96	82	91
NSC Leroy RR2Y	R2Y	000.6	92	18	108	114	-	-	79	85	71	87	97	-	107	92	89
S0009-D6	R2Y	000.9	93	8	109	-	-	-	85	88	75	91	90	-	119	96	100
NSC Watson RR2Y	R2Y	000.8	97	29	109	119	119	109	81	82	91	88	-	116	105	104	
Nacoma R2	UPOV 91	R2Y	000.8	96	8	110	-	-	80	85	82	99	110	-	113	108	94
S0009-M2	R2Y	000.9	102	29	110	119	119	95	94	73	95	100	-	122	104	101	
P002T04R	UPOV 78	RR1	00.2	94	29	111	116	119	106	81	76	85	98	-	118	95	97
LS TRI7XT	R2X	000.7	88	8	111	-	-	-	87	78	76	90	87	-	112	95	101
LS TRI9R2Y	R2Y	000.9	92	8	111	-	-	-	91	82	75	81	103	-	113	112	95
Torro R2	R2Y	000.8	98	8	111	-	-	-	85	101	91	95	110	-	105	98	97
NSC Star City RR2X	R2X	000.8	91	8	111	-	-	-	93	89	81	81	90	-	113	89	90
PS 00095 R2	R2Y	000.9	98	17	111	-	-	-	90	110	82	107	109	-	109	98	104
Barron R2X	R2X	000.8	94	8	111	-	-	-	87	100	78	86	92	-	116	96	94
P002A63R	UPOV 91	RR1	00.2	107	8	112	-	-	119	113	99	92	105	-	120	101	108
DKB0008-39	R2X	000.8	100	8	112	-	-	-	96	105	83	107	94	-	117	106	95
S003-L3	R2Y	00.3	106	18	112	122	-	-	105	91	84	114	-	98	125	106	118
Dario R2X	R2X	000.8	92	8	112	-	-	-	96	113	76	83	81	-	103	93	88
TH 87000 R2YX	R2X	000.8	89	8	112	-	-	-	92	88	82	86	82	-	98	93	90
PV 11S001 RR2	R2Y	00.1	90	7	113	-	-	-	100	83	75	-	95	-	97	94	85
S006-W5	R2Y	00.5	106	8	113	-	-	-	121	109	93	96	-	98	125	106	103
S001-B1	R2Y	00.1	101	18	113	119	-	-	101	111	81	96	99	-	108	100	86
Bishop R2	R2Y	00.2	98	29	113	121	124	-	92	91	80	97	-	90	106	104	88
22-60 RY	R2Y	000.9	104	29	114	120	121	-	99	89	84	106	107	-	134	110	104
23-60 RY	R2Y	00.2	103	29	114	122	123	-	111	106	96	103	-	98	107	110	102
DKB003-29	R2X	00.3	106	8	115	-	-	-	112	119	90	107	-	106	110	105	99
Lono R2	R2Y	00.5	108	29	115	122	127	-	100	102	100	110	105	-	120	110	108
LS Northwester	RR2	00.1	97	29	115	120	124	-	93	96	89	98	-	86	105	91	91
LS 002R24N	R2Y	00.2	102	29	115	126	125	-	109	101	95	107	-	105	108	110	87
NSC Newton RR2X	R2X	00.3	87	8	115	-	-	-	102	80	67	95	-	92	82	94	85
PS 0044 XRN	R2X	00.4	100	8	115	-	-	-	107	94	89	105	-	88	113	109	98
PS 0035 NR2	R2Y	00.3	97	29	115	125	125	-	103	99	69	94	-	95	112	106	98
TH 33003 R2Y	R2Y	00.3	100	30	115	123	125	-	100	100	100	100	100	100	100	100	100
TH 32004 R2Y	R2Y	00.4	104	29	115	125	125	-	109	92	91	93	-	95	118	114	106
P006T46R	UPOV 91	RR1	00.6	109	18	116	125	-	109	117	85	104	-	100	116	108	103
S007-Y4	R2Y	00.5	107	29	116	123	125	-	108	126	93	110	-	97	118	111	97
Kosmo R2	R2Y	00.3	91	8	116	-	-	-	103	78	74	94	-	84	105	100	91
TH 87003 R2X	R2X	00.3	102	8	116	-	-	-	101	96	85	98	-	105	121	107	102
Mahony R2	R2Y	00.3	107	29	116	123	125	-	100	98	90	109	-	93	118	115	103
McLeod R2	R2Y	00.3	103	29	116	123	124	-	115	103	100	103	-	109	111	107	95
Marduk R2X	R2X	00.4	95	8	117	-	-	-	99	92	68	102	100	-	108	102	93
Akras R2	R2Y	00.3	111	29	117	124	127	-	105	102	100	113	105	-	122	124	111
Mani R2X	R2X	00.4	99	8	117	-	-	-	98	109	94	89	-	88	113	106	95
Dylano R2X	R2X	00.4	85	8	117	-	-	-	95	88	64	95	-	80	85	83	91
TH 37004 R2Y	R2Y	00.4	102	18	117	124	-	-	103	109	70	100	-	92	95	99	105
DS0067Z1	R2Y	00.6	95	7	118	-	-	-	93	101	78	-	-	97	101	101	95
HS 006RYS24	R2Y	00.6	99	29	118	126	128	-	89	84	80	112	-	98	115	101	98
Footo R2	R2Y	00.5	104	7	118	-	-	-	111	101	94	-	-	88	112	112	111
TH 88005 R2XN	R2X	00.5	93	8	120	-	-	-	105	78	91	109	-	85	108	101	101
TH 33003 R2Y (CHECK variety) yield (bu/ac)			47						74	56	45	31	40	45	30	50	26
Average of all varieties (% of check)									99	96	83	98	97	95	111	102	98
						² CV%			9	15	15	11	9	8	9	6	9
						³ LSD%			15	33	21	17	15	13	16	10	14
						Sign Diff.			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
						Seeding Date			20-May	20-May	17-May	1-Jun	23-May	23-May	21-May	16-May	20-May
						Harvest Date			10-Oct	10-Oct	26-Sep	11-Oct	6-Oct	6-Oct	27-Sep	29-Sep	12-Sep

¹Relative Days to Maturity - days from seeding to brown pod stage (physiological maturity)

²CV = 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% 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.

³LSD - 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% and a yield difference between two varieties of 5% equate to no statistical difference between those two varieties. If the yield difference was 15% then there would be a statistical difference and one variety would be ranked higher than another.