



2018 South Dakota Soybean Variety Trial Results Beresford

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Location:	6 miles west and 3 miles south of Beresford (57432) in Clay county, SD (GPS: 43.046421°, -96.902085°)
Cooperator:	SDSU Southeast Research Farm - Peter Sexton, manager
Soil Type:	Egan-Clarno-Trent complex, 1-6% slopes, non-irrigated
Fertilizer:	None
Previous crop:	Oats/Cover Crop
Tillage:	No-till
Row spacing:	30 inches
Seeding Rate:	165,000/acre
Herbicide:	Pre: 2.5 oz Valor (flumioxazin) + 4 oz Dimetric (metribuzin) + 32 oz glyphosate Post: 0.3 oz FirstRate (cloransulam) + 10 oz Flexstar (fomesafen) + 6 oz Select (clethodim) + 1% UAN + 1% COC
Insecticide:	None
Date seeded:	5/29/2018
Date harvested:	10/19/2018

Table 1. Glyphosate-resistant soybean variety performance results (average of 4 replications) - **Maturity Groups 1&2** at Beresford, SD.

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dyna-Gro	S25XT99	2.5	81.1	11.0	1.0
Dairyland Seed	DSR-1950/R2Y	1.9	78.2	10.9	1.0
Dairyland Seed	DSR-2110/R2Y	2.1	73.5	10.9	1.0
Peterson Farms Seed	17X21N	2.1	73.2	11.0	1.3
Dyna-Gro	S26RS75	2.6	73.0	11.3	1.0
LG Seeds	LGS2444RX	2.4	72.7	11.0	1.0
Miller Hybrids	26159CRR2	2.6	72.7	11.2	1.0
Miller Hybrids	21159CRR2	2.1	72.6	11.0	1.0
Peterson Farms Seed	19X14N	1.4	72.6	10.9	1.0
LG Seeds	C2126RX	2.1	72.3	10.9	1.5
Dairyland Seed	DSR-2616/R2Y	2.6	72.1	11.2	1.0
LG Seeds	C2888RX	2.8	71.3	11.2	1.0
Legend Seeds	LS 24X842N	2.4	71.2	11.7	1.0
Check	CHECK	1.4	71.0	11.0	1.0
Renk	RS248NX	2.4	70.9	11.8	1.0
Dyna-Gro	S28XT58	2.8	70.7	11.2	1.0
LG Seeds	LGS2239RX	2.2	70.6	10.6	1.5
Dairyland Seed	DSR-2411/R2Y	2.4	70.6	10.9	1.0
Legend Seeds	LS 28X840N	2.8	70.4	11.4	1.0
LG Seeds	LGS2417RX	2.4	70.1	11.7	1.3
Renk	RS269X	2.6	70.1	11.4	1.3
Legend Seeds	LS 23X920N	2.3	69.2	11.0	1.0
Proseed	XT 71-80	1.8	68.3	10.9	1.0
Peterson Farms Seed	18X23N	2.3	67.6	11.3	1.3
Dairyland Seed	DSR-2330/R2Y	2.3	67.4	10.9	1.0
Dyna-Gro	S24XT08	2.4	67.0	11.8	1.0
Renk	RS239NX	2.3	66.5	10.7	1.0
LG Seeds	LGS2007RX	2.0	66.3	10.8	1.0
Legend Seeds	LS 29X952N	2.9	65.6	11.7	1.0
Legend Seeds	LS 20X963N	2.0	65.1	11.0	1.0
LG Seeds	LGS2821RX	2.8	63.7	11.5	1.5
Trial Average			70.6	11.1	1.1
LSD (0.05)†			3.2	0.3	0.4
C.V.‡			3.2	1.7	-

*Lodging Score (1 = no lodging to 5 = flat on the ground).

† Yield or moisture value required (\geq LSD) to determine if varieties are significantly different from one another.

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.