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SOUTH DAKOTA STATE UNIVERSITY®
AGRONOMY, HORTICULTURE & PLANT SCIENCE DEPARTMENT

2018 South Dakota Soybean Variety Trial Results Geddes

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Location:	1.5 miles east and 1.75 miles north of Geddes (57432) in Charles Mix County, SD (GPS: 43.282105°, -98.665416°)
Cooperator:	Curtis Sybesma
Soil Type:	Highmore silt loam, 2-6% slopes
Fertilizer:	None
Previous crop:	Corn
Tillage:	No-till
Row spacing:	30 inches
Seeding Rate:	165,000/acre
Herbicide:	Pre: 5 oz Authority First (sulfentrazone+cloransulam) + 4 oz Sencore (metribuzin) + 24 oz Roundup (glyphosate) Post: 33 oz Roundup Power Max (glyphosate)
Insecticide:	None
Date seeded:	5/24/2018
Date harvested:	10/22/2018

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

Variety Information		Agronomic Performance			
Brand	Hybrid	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dairyland Seed	DSR-1950/R2Y	1.9	76.3	10.1	1.0
Dyna-Gro	S25XT99	2.5	75.6	9.7	1.0
LG Seeds	LGS2417RX	2.4	74.6	9.8	1.8
LG Seeds	C2126RX	2.1	74.0	9.6	1.5
Dairyland Seed	DSR-2110/R2Y	2.1	73.2	9.7	1.3
Legend Seeds	LS 23X920N	2.3	73.2	9.7	1.0
Dyna-Gro	S24XT08	2.4	73.1	9.9	1.5
LG Seeds	C1838RX	1.8	73.0	10.1	1.0
Proseed	XT 71-80	1.8	73.0	10.2	1.0
Miller Hybrids	19159CRR2	1.9	72.9	10.2	1.3
Dairyland Seed	DSR-2330/R2Y	2.3	72.8	9.9	1.5
LG Seeds	LGS2007RX	2	72.6	9.4	1.0
Renk	RS248NX	2.4	72.5	10.0	1.3
Dairyland Seed	DSR-2616/R2Y	2.6	72.5	9.5	1.0
LG Seeds	LGS2444RX	2.4	72.5	9.5	1.0
Peterson Farms Seed	17X21N	2.1	72.3	9.6	1.5
Miller Hybrids	26159CRR2	2.6	72.2	9.7	1.0
Renk	RS269X	2.6	71.7	9.5	2.0
Miller Hybrids	21159CRR2	2.1	71.2	9.7	1.0
Dyna-Gro	S26RS75	2.6	70.2	10.0	1.0
Legend Seeds	LS 24X842N	2.4	69.4	9.9	1.0
Miller Hybrids	2575CGT	2.5	69.4	9.5	1.0
Dyna-Gro	S28XT58	2.8	68.4	9.8	1.3
LG Seeds	LGS2239RX	2.2	68.3	9.5	1.8
Legend Seeds	LS 28X840N	2.8	68.1	9.8	1.3
Legend Seeds	LS 20X963N	2	68.0	9.6	1.0
LG Seeds	C2888RX	2.8	67.7	10.1	1.0
Renk	RS239NX	2.3	67.0	9.4	1.0
Legend Seeds	LS 29X952N	2.9	66.7	10.2	1.0
LG Seeds	LGS2821RX	2.8	66.1	9.9	2.0
Peterson Farms Seed	18X23N	2.3	65.0	9.5	1.3
Check	CHECK	1.4	64.4	10.0	1.5
Trial Average			70.9	9.8	1.2
LSD (0.05)†			2.5	0.4	0.4
C.V.‡			2.5	2.6	-

*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.