



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2022 South Dakota Soybean Variety Trial Results Reliance

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Location: 1 mile north and 2 miles east of Reliance in Lyman county, SD
43.895907°, -99.565356°

Cooperator: Schindler Farms

Soil Type: Millboro silty clay loam, 3-6% slopes

Fertilizer: none

Previous crop: sorghum

Tillage: no till

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Pre: 1 qt/acre Roundup + 4 oz/acre sulfentrazone + 4 oz/acre metribuzin
Post: 64 oz/acre Roundup

Insecticide: none

Date seeded: 5/18/2022

Date harvested: 10/17/2022

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Table 1. Glyphosate-resistant soybean performance results (average of 4 replications - **Maturity Groups I & II**) at Reliance, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
LG Seeds	LGS1911XF	1.9	33.8	7.2	1.0
LG Seeds	LGS2554XF	2.5	33.6	7.5	1.0
LG Seeds	LGS2334XF	2.3	31.7	7.3	1.0
Farmer Check 1	AG25XF2	2.5	31.2	7.5	1.0
Dairyland Seed	DSR-2188E	2.1	31.1	7.3	1.0
LG Seeds	LGS1939E3	1.9	29.8	7.3	1.0
Farmer Check 2	AG27XF2	2.7	29.6	7.3	1.0
Genesis	G2570E	2.5	29.1	7.1	1.0
Genesis	G2270E	2.2	28.8	7.1	1.0
Dairyland Seed	DSR-2717E	2.7	28.7	7.3	1.0
Dairyland Seed	DSR-2562E	2.5	28.3	7.5	1.0
LG Seeds	LGS2244E3	2.2	27.0	7.2	1.0
Genesis	G2550E	2.5	26.6	7.1	1.0
Check	AG15XF2	1.5	23.6	7.3	1.0
Trial Average			29.5	7.3	1.0
LSD (0.05)†			6.0	0.1	-
C.V.‡			12.1	-	-
<p>* Lodging Score (1 = no lodging to 5 = flat on the ground) † Yield or moisture value required (\geqLSD) 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.</p>					