



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

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

2021 South Dakota Soybean Variety Trial Results Reliance

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Location: 1 1/2 miles north and 1 1/4 miles east of Reliance (57569) in Lyman County, SD
(GPS: 43.904855°, -99.579704°)

Cooperator: Schindler Farms

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

Fertilizer: none

Previous crop: corn

Tillage: no till

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide:
-Pre: 1 qt/acre Roundup (glyphosate) + 4 oz/acre sulfentrazone + 4 oz/acre metribuzin
-Post: 40 oz/acre Roundup (glyphosate)

Insecticide: none

Date seeded: 5/7/2021

Date harvested: 10/7/2021



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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dairyland Seed	DSR-2590E	2.5	50.0	11.5	1.0
LG Seeds	LGS2444RX	2.4	48.7	11.4	1.0
Genesis	G2260E	2.2	46.8	11.7	1.0
Federal Hybrids	F2320NRXF	2.3	46.2	12.4	1.0
Dairyland Seed	DSR-2424E	2.4	46.2	11.8	1.0
Renk	RS248NX	2.4	45.9	11.7	1.0
Farmer Check	CP2400X	2.4	45.5	11.4	1.0
LG Seeds	LGS2491XF	2.4	45.0	11.6	1.0
Farmer Check	P25A54X	2.5	43.6	11.1	1.0
Federal Hybrids	F2520NRXF	2.5	43.0	11.3	1.0
Genesis	G2060E	2.0	42.8	11.7	1.0
Dairyland Seed	DSR-2040E	2.0	42.7	11.4	1.0
Genesis	G2460ES	2.4	41.8	11.9	1.0
LG Seeds	LGS1848XF	1.8	41.8	11.9	1.0
Federal Hybrids	F2210NRXF	2.2	41.6	11.9	1.0
Dairyland Seed	DSR-2640E	2.6	41.3	11.8	1.0
Genesis	G2550E	2.5	41.1	11.7	1.0
Renk	RS242NXF	2.4	41.0	11.3	1.0
Federal Hybrids	F1920NRXF	1.9	39.3	11.6	1.0
LG Seeds	LGS2105E3	2.1	38.8	12.1	1.0
LG Seeds	LGS2348E3	2.3	38.8	11.8	1.0
Check	AG17X8	1.7	38.8	11.8	1.0
Miller Hybrids	2095CGT	2.1	37.4	12.1	1.0
Dairyland Seed	DSR-2112E	2.1	36.8	12.0	1.0
Trial Average			42.6	11.7	1.0
LSD (0.05)†			6.1	0.4	-
C.V.‡			10.1	2.3	-

* Lodging Score (1 = no lodging to 5 = flat on the ground)
† Yield or moisture value required (≥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.