



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

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

2023 South Dakota Soybean Variety Trial Results Renner

Jonathan Kleinjan | SDSU Extension Agronomist

Kevin Kirby | Agricultural Research Manager

Shawn Hawks | Agricultural Research Manager

Location: 4.5 miles east of Renner in Minnehaha County, SD
43.645816°, -96.625776°

Soil Type: Moody-Nora complex, 2-6% slopes

Fertilizer: none

Previous crop: corn

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Pre: 24 oz/acre Roundup + 12 oz/acre 2,4-D + 8 oz/acre sulfentrazone + 5 oz/acre metribuzin
Post: 1 qt/acre Buccaneer Plus + 1 pt/acre Ultra-Blazer + 12 oz/acre Volunteer

Insecticide: none

Date seeded: 5/22/2023

Date harvested: 10/10/2023



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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Check	AG15XF2	1.5	60.0	10.8	1.0
Genesis	G2780E	2.7	59.9	11.4	1.0
LG Seeds	LGS2364XF	2.3	57.3	10.5	1.0
Genesis	G2480E	2.4	57.0	10.6	1.0
Dairyland Seed	DSR-2444E	2.4	55.8	10.9	1.0
Farmer Check 1	18E245N	1.8	55.3	10.8	1.0
Farmer Check 2	G1970E	1.9	53.8	10.8	1.0
Dairyland Seed	DSR-2562E	2.5	53.7	11.1	1.0
Dairyland Seed	DSR-2691E	2.6	53.1	12.9	1.0
Dairyland Seed	DSR-2188E	2.1	51.7	10.9	1.0
Miller Hybrids	2330	2.3	51.7	10.8	1.0
Dairyland Seed	DSR-2310E	2.3	50.9	10.8	1.0
LG Seeds	LGS1832E3	1.8	50.8	10.7	1.0
LG Seeds	LGS2505E3	2.5	49.1	12.2	1.0
LG Seeds	LGS1911XF	1.9	46.3	10.6	1.0
Genesis	G2180E	2.1	44.3	8.1	1.0
LG Seeds	LGS2001E3	2.0	43.1	10.9	1.0
Trial Average			52.3	10.9	1.0
LSD (0.05)†			2.9	1.9	-
C.V.‡			3.9	-	-
* 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.					