



**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 Miller

Jonathan Kleinjan | SDSU Extension Agronomist
Kevin Kirby | Agricultural Research Manager
Shawn Hawks | Agricultural Research Manager

Location: 4 miles south and 3 miles east of Miller in Hand County, SD
44.453577°, -98.923665°

Cooperator: Paul Fulton

Soil Type: Houdek-Prosper loams, 0-2% slopes

Fertilizer: 21-46-08-12S-7Z preplant, 32 oz/acre KayRx + 32 oz/acre Novus K (applied with fungicide)

Previous crop: corn

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Pre: 8 oz/acre Authority Assist + 8 oz/acre Detonate + 12 oz/acre LV-6 + 32 oz/acre RT3
Post: 12.9 oz/acre FlexStar + 8 oz/acre Vaquero

Insecticide: 6 oz/acre Reveal

Fungicide: 13.7 oz/acre Miravis Neo

Date seeded: 5/18/2023

Date harvested: 10/21/2023

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Genesis	G1560E	1.5	56.0	14.2	1.0
Jacobsen Seed	J1720XF	2.0	55.8	13.6	1.0
Jacobsen Seed	AE1520	1.5	54.6	14.2	1.0
LG Seeds	LGS1585XF	1.5	53.2	13.9	1.0
Farmer Check 1	AG21XF0	2.1	52.7	13.4	1.0
LG Seeds	LGS1832E3	1.8	50.8	13.7	1.0
Jacobsen Seed	AE1720	1.7	50.7	14.0	1.0
LG Seeds	LGS1385XF	1.3	49.5	13.8	1.0
Dairyland Seed	DSR-1788E	1.7	49.3	13.6	1.0
Dairyland Seed	DSR-1919E	1.9	49.3	13.5	1.0
Jacobsen Seed	J1873E3	1.8	48.5	13.6	1.0
LG Seeds	LGS1551E3	1.5	46.0	13.9	1.0
LG Seeds	LGS1911XF	1.9	43.5	13.5	1.0
Jacobsen Seed	AE1410E3	1.4	42.5	13.8	1.0
Jacobsen Seed	J1942E3	1.9	42.4	13.4	1.0
Farmer Check 2	AG22XF3	2.2	42.2	13.3	1.0
LG Seeds	LGS1735XF	1.7	41.9	13.6	1.0
Check	AG15XF2	1.5	41.6	14.0	1.0
LG Seeds	LGS2001E3	2.0	40.4	13.6	1.0
Jacobsen Seed	AE1710E3	1.7	35.7	13.5	1.0
Jacobsen Seed	1628XF	1.8	35.5	13.8	1.0
Jacobsen Seed	J1933E3	1.9	33.1	13.4	1.0
Trial Average			45.7	13.7	1.0
LSD (0.05)†			2.9	0.2	-
C.V.‡			4.4	-	-

* 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.