



**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

SDSU Extension is an equal opportunity provider and employer in accordance with the nondiscrimination policies of South Dakota State University, the South Dakota Board of Regents and the United States Department of Agriculture.

Learn more at [extension.sdstate.edu](https://extension.sdstate.edu).

© 2023, South Dakota Board of Regents



# 2023 South Dakota Soybean Variety Trial Results Miller

**SOUTH DAKOTA STATE  
UNIVERSITY EXTENSION**

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
		<b>Trial Average</b>	45.7	13.7	1.0
		<b>LSD (0.05)†</b>	2.9	0.2	-
		<b>C.V.‡</b>	4.4	-	-

\* 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.