



**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 Mt. Vernon

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

**Location:** 1/2 mile south and 3 1/2 miles west of Mt. Vernon in Davison County, SD  
43.699739°, -98.336665°

**Cooperator:** Edinger Brothers

**Soil Type:** Plankinton-Prosper complex

**Fertilizer:** none

**Previous crop:** corn

**Tillage:** no till

**Row spacing:** 30 inches

**Seeding Rate:** 150,000/acre

**Herbicide:** Burndown/Pre: 24 oz/acre Paraquat 250 + 6 oz/acre Sulfentrazone 4SC + 6 oz/acre Tigris MTZ 4F  
Post: 20 oz/acre Acifouorfen 2 + 1 qt/acre Basagran 5L + 7.7 oz/acre Me-Too-Lachlor II + 15 oz/acre Outlook + 10 oz/acre Volunteer

**Insecticide:** none

**Date seeded:** 5/26/2022

**Date harvested:** 10/6/2022

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Miller Hybrids	2913CE3	2.9	<b>46.8</b>	11.8	1.0
Dairyland Seed	DSR-2562E	2.5	<b>43.2</b>	8.7	1.0
Dairyland Seed	DSR-2188E	2.1	<b>42.3</b>	10.0	1.0
Genesis	G2550E	2.5	<b>42.3</b>	9.0	1.0
LG Seeds	LGS1939E3	1.9	<b>42.2</b>	8.8	1.0
Farmer Check 2	P25A54X	2.5	<b>42.2</b>	8.5	1.0
Miller Hybrids	2393CE3	2.2	41.7	9.2	1.0
Genesis	G2270E	2.2	41.2	11.1	1.0
Miller Hybrids	2503CE3	2.5	40.7	9.9	1.0
LG Seeds	LGS2334XF	2.3	39.3	10.9	1.0
LG Seeds	LGS2554XF	2.5	38.9	9.6	1.0
Genesis	G2570E	2.5	38.6	9.0	1.0
Check	AG15XF2	1.5	37.6	12.1	1.0
LG Seeds	LGS1911XF	1.9	37.5	10.6	1.0
Farmer Check 1	N2358	2.3	37.2	11.0	1.0
LG Seeds	LGS2244E3	2.2	34.4	10.4	1.0
Dairyland Seed	DSR-2717E	2.7	34.2	9.6	1.0
<b>Trial Average</b>			40.0	10.0	1.0
<b>LSD (0.05)†</b>			4.7	5.6	-
<b>C.V.‡</b>			8.3	-	-

\* 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.