



**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 Brookings

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

**Location:** 3 miles north of Brookings in Brookings County, SD  
44.362513°, -96.790418°

**Cooperator:** SDSU Felt Family Research Farm

**Soil Type:** Vienna-Brookings complex, 0-2% slopes

**Fertilizer:** none

**Previous crop:** corn

**Tillage:** conventional

**Row spacing:** 30 inches

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

**Herbicide:** Pre: 1 pt/acre Dual II Magnum  
Post: 1 qt/acre Roundup PowerMax

**Insecticide:** none

**Date seeded:** 5/27/2022

**Date harvested:** 10/13/2022

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ ac@13%)	Moisture (%)	Lodging Score (1-5)*
Miller Hybrids	1703CE3	1.7	<b>65.6</b>	8.1	1.0
Miller Hybrids	2001CBGL	2.1	<b>65.4</b>	8.3	1.0
Federal Hybrids	AE1710	1.7	<b>63.8</b>	8.2	1.0
Dairyland Seed	DSR-1820E	1.8	<b>63.6</b>	8.3	1.0
LG Seeds	LGS1660E3	1.6	<b>63.5</b>	8.5	1.3
Proseed	EL31-13N	1.1	<b>63.0</b>	8.2	1.0
Federal Hybrids	AE1520	1.5	62.7	8.6	1.5
Genesis	G1560E	1.5	62.5	8.5	1.3
Proseed	XF31-32N	1.3	61.6	8.7	2.5
LG Seeds	LGS1585XF	1.5	61.0	8.4	1.8
Federal Hybrids	AE1210S	1.2	61.0	8.4	1.5
Proseed	EL21-23N	1.2	60.3	8.5	1.8
LG Seeds	LGS1385XF	1.3	59.8	8.4	2.5
LG Seeds	LGS1939E3	1.9	58.4	8.4	1.0
Proseed	EL31-43N	1.4	58.3	8.3	1.8
Dairyland Seed	DSR-2188E	2.1	58.3	8.5	1.0
Farmer Check 1	P13T47E	1.3	58.2	8.5	1.8
Farmer Check 2	P21AS3E	2.1	58.1	8.3	1.0
Federal Hybrids	AE1410	1.4	57.8	8.4	1.0
Federal Hybrids	AE1630	1.6	57.5	8.6	1.0
Genesis	G1970E	1.9	57.3	8.5	1.0
Proseed	XF31-62N	1.6	57.2	8.6	1.5
Proseed	EL91-33N	1.3	57.2	8.4	2.5
LG Seeds	LGS1701E3	1.7	56.3	8.6	1.3
LG Seeds	LGS1911XF	1.9	56.2	8.4	1.3
Check	AG15XF2	1.5	55.8	8.5	1.3
Dairyland Seed	DSR-1919E	1.9	54.1	8.4	1.0
Miller Hybrids	2393CE3	2.2	46.6	8.9	1.0
<b>Trial Average</b>			59.2	8.4	1.4
<b>LSD (0.05)†</b>			2.6	0.2	-
<b>C.V.‡</b>			3.1	-	-

\* 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.