



**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 Brookings

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**Location:** 3 miles north of Brookings in Brookings County, SD  
44.362528°, -96.792450°

**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 Buccaneer Plus + 1 pt/acre Ultra-Blazer + 12 oz/acre Volunteer

**Insecticide:** none

**Date seeded:** 5/17/2023

**Date harvested:** 10/11/2023

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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)*
LG Seeds	LGS1551E3	1.5	70.6	11.2	1.0
Jacobsen Seed	AE1220E3	1.2	67.0	11.4	1.0
Miller Hybrids	1710	1.7	65.6	11.1	1.5
LG Seeds	LGS1585XF	1.5	65.2	11.6	1.0
LG Seeds	LGS1385XF	1.3	64.9	11.7	1.0
Jacobsen Seed	AE1710E3	1.7	64.9	11.1	1.0
Farmer Check 2	P19A37E	1.9	64.8	11.3	1.0
Genesis	G1560E	1.5	64.7	11.8	1.3
LG Seeds	LGS1832E3	1.8	64.4	11.3	1.0
LG Seeds	LGS1911XF	1.9	64.3	11.3	1.5
Farmer Check 1	P16T05E	1.6	64.1	11.1	1.3
Jacobsen Seed	AE1720	1.7	63.8	11.5	2.0
LG Seeds	LGS1735XF	1.7	63.5	11.4	1.0
Jacobsen Seed	J1873E3	1.8	62.5	11.3	1.0
Dairyland Seed	DSR-1788E	1.7	62.1	11.6	1.5
LG Seeds	LGS2001E3	2	61.8	11.4	1.0
Dairyland Seed	DSR-1919E	1.9	61.7	11.1	1.3
Jacobsen Seed	AE1410E3	1.4	61.5	11.4	1.3
Check	AG15XF2	1.5	61.2	11.4	1.0
Jacobsen Seed	AE1520	1.5	60.9	11.7	1.0
Miller Hybrids	1930	1.9	59.3	11.3	1.5
<b>Trial Average</b>			63.6	11.4	1.2
<b>LSD (0.05)†</b>			2.4	0.2	0.4
<b>C.V.‡</b>			2.7	-	-

\* 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.