



**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 South Shore

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Location: 8.5 miles west of South Shore in Codington County, SD
45.105924°, -97.096977°

Cooperator: SDSU Northeast Research Farm

Soil Type: Kranzburg-Brookings silty clay loams, 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 + 8 oz/acre Antares
Post: 32 oz/acre Roundup

Insecticide: none

Date seeded: 5/19/2023

Date harvested: 10/19/2023

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S-0002-06



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Table 1. Glyphosate-resistant soybean performance results (average of 4 replications - **Maturity Groups 0 & I**) at South Shore, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Dahlman Seed	AE1520	1.5	62.4	15.2	1.0
Jacobsen Seed	AE1720	1.7	60.8	15.1	1.0
Dahlman Seed	7218XF	1.8	59.6	15.1	1.0
Dahlman Seed	AE1930	1.9	59.0	14.3	1.0
Jacobsen Seed	AE1520	1.5	58.8	15.3	1.0
Jacobsen Seed	J1873E3	1.8	58.4	15.2	1.0
Check	AG15XF2	1.5	57.4	15.5	1.0
Jacobsen Seed	AE1410E3	1.4	56.3	15.4	1.0
Proseed	XF 41-22	1.2	55.9	15.2	1.0
Jacobsen Seed	AE1710E3	1.7	55.3	15.4	1.0
Dairyland Seed	DSR-1450E	1.4	54.8	15.3	1.0
LG Seeds	LGS1585XF	1.5	54.7	15.8	1.0
LG Seeds	LGS1385XF	1.3	54.6	15.8	1.0
Dairyland Seed	DSR-1290E	1.2	54.4	16.0	1.0
Genesis	G0880E	0.8	54.1	16.2	1.0
Dahlman Seed	7315XF	1.5	53.6	16.0	1.0
LG Seeds	LGS1043E3	1.0	52.7	16.7	1.0
LG Seeds	LGS1551E3	1.5	52.4	15.2	1.0
Genesis	G1260E	1.2	51.5	15.4	1.0
Dahlman Seed	7213XF	1.3	51.4	16.0	1.0
Jacobsen Seed	AE1220E3	1.2	50.6	15.9	1.0
LG Seeds	LGS0822E3	0.8	50.5	16.0	1.0
Farmer Check 2	AE0710	0.7	49.0	15.9	1.0
Proseed	EL 41-23N	1.2	48.9	16.0	1.0
Dairyland Seed	DSR-1505E	1.5	47.7	15.4	1.0
Farmer Check 1	04E523	0.4	42.4	15.9	1.0
Trial Average			54.2	15.6	1.0
LSD (0.05)†			4.8	0.4	-
C.V.‡			6.2	-	-

* 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.