



**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 South Shore

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Location: 8.5 miles west of South Shore in Codington County, SD
45.106940°, -97.098726°

Cooperator: SDSU Northeast Research Farm

Soil Type: Kranzburg-Brookings silty clay loams, 0-2% slope

Fertilizer: 0-0-60

Previous crop: spring wheat

Tillage: conventional

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Pre: 1 pt/acre Dual II Magnum + 8 oz/acre Antares
Post: 1.5 pt/acre Ultra Blazer + 10 oz/acre Assure II

Insecticide: none

Date seeded: 5/24/2022

Date harvested: 10/7/2022

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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)*
Federal Hybrids	AE1710	1.7	70.6	11.9	1.0
Proseed	XF31-32N	1.3	70.5	12.2	1.0
Farmer Check 1	AE0720	0.7	67.1	11.4	1.0
Dairyland Seed	DSR-1121E	1.1	67.1	11.6	1.0
Federal Hybrids	AE1210S	1.2	65.9	11.7	1.0
Genesis	G1070E	1.0	65.9	12.0	1.0
Dairyland Seed	DSR-1505E	1.5	65.5	11.8	1.0
Federal Hybrids	AE1410	1.4	65.3	11.9	1.0
Federal Hybrids	AE1520	1.5	65.1	12.2	1.0
Dairyland Seed	DSR-1450E	1.4	64.3	11.5	1.0
Federal Hybrids	AE1630	1.6	64.3	12.1	1.0
Dahlman Seed	AE1520	1.5	63.5	12.2	1.0
LG Seeds	LGS0988XF	0.9	63.3	11.2	1.0
Dairyland Seed	DSR-0920E	1.0	62.9	11.8	1.0
LG Seeds	LGS1385XF	1.3	62.5	11.9	1.8
Proseed	EL91-33N	1.3	62.1	11.6	1.5
Dairyland Seed	DSR-1290E	1.2	62.0	11.6	1.8
Proseed	EL31-13N	1.1	61.9	11.8	1.0
Proseed	EL31-43N	1.4	61.9	11.8	1.0
Genesis	G1260E	1.2	61.8	11.4	1.0
Proseed	XF31-62N	1.6	61.7	12.5	1.0
Dahlman Seed	1317E3N	1.7	61.6	12.2	1.0
LG Seeds	LGS1232XF	1.2	61.2	11.7	1.0
LG Seeds	LGS0822E3	0.8	61.1	11.4	1.0
LG Seeds	LGS1203E3	1.2	61.1	11.6	1.0
Proseed	EL21-23N	1.2	60.9	11.7	1.5
Dahlman Seed	7218XF	1.8	60.4	12.6	1.0
Check	AG15XF2	1.5	60.2	11.8	1.0
LG Seeds	LGS1585XF	1.5	60.0	12.3	1.0
Farmer Check 2	S10-E3N	1.0	59.9	11.4	1.0
Dahlman Seed	7315XF	1.5	59.0	11.9	1.0
Trial Average			63.1	11.8	1.1
LSD (0.05)†			2.6	0.4	-
C.V.‡			2.9	-	-

* 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.