



**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 Conventional 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/Antares
Post: 12 oz/acre Tapout

Insecticide: none

Date seeded: 5/19/2023

Date harvested: 10/19/2023

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Table 1. Conventional 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)*
Ag Performance	AP 1621	1.6	64.6	14.2	1.0
Miller Hybrids	1538	1.5	62.7	14.0	1.0
SD AES	BROOKINGS	1.7	62.2	15.0	1.0
Virtue	V1621	1.6	61.2	14.0	1.0
Check	AG15XF2	1.5	60.3	14.4	1.0
Ag Performance	AP 1321	1.3	59.6	14.6	1.0
Viking Seed	VK 1518N	1.5	58.5	14.1	1.0
Richand IFC	MK146	1.1	54.0	14.7	1.0
Viking Seed	VK 0821N	0.8	53.9	15.3	1.0
MN AES	MN1807CN	1.8	53.5	14.2	1.0
Brushvale Seed	BS1799	1.5	53.0	14.7	1.0
Viking Seed	VK 1223N	1.2	52.7	14.4	1.0
Brushvale Seed	BS91614	1.0	50.8	15.4	1.0
Ag Performance	AP 0720	1.0	49.5	14.9	1.0
Richand IFC	MK0603	0.6	48.4	15.6	2.0
Richand IFC	MK1023	1.0	46.7	16.4	1.0
Richand IFC	MK9101	1.1	46.5	11.5	1.0
Richand IFC	MK808CN	0.8	44.9	16.5	1.3
Richand IFC	MK41	1.1	43.9	15.4	1.5
Richand IFC	MK9102	1.2	43.5	14.2	2.0
Richand IFC	MK1423	1.4	43.3	15.9	1.0
Richand IFC	MK9103	1.3	42.5	13.2	1.5
Richand IFC	DECKER	1.0	37.4	13.3	1.3
Richand IFC	SABLE	1.2	36.3	13.8	1.5
Trial Average			51.8	14.5	1.1
LSD (0.05)†			8.8	0.4	-
C.V.‡			6.5	-	-

* 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.