



**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 Conventional 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 (sulfentrazone)
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. Conventional soybean performance results (average of 4 replications - **Maturity Group 0**) at South Shore, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Viking Seed	0821N	0.8	57.5	11.1	1.0
Check	AG15XF2	1.5	56.3	11.3	1.0
MN AES	M13-250056	0.8	55.4	10.9	1.0
Richland IFC	MK808CN	0.8	53.3	12.0	1.8
SD AES	CODINGTON	0.9	51.5	11.0	1.0
Sevita Interational	SVX21TOS15	0.7	50.5	10.1	1.0
Sevita Interational	FINCH	0.9	49.5	9.5	1.0
Richland IFC	MK0603	0.6	48.4	11.4	2.5
Sevita Interational	DUNHAM	0.7	46.1	10.5	1.0
Trial Average			52.5	10.9	1.3
LSD (0.05)†			1.9	0.2	-
C.V.‡			2.5	-	-

* 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.



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Table 2. Conventional soybean performance results (average of 4 replications - **Maturity Group I**) at South Shore, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Viking Seed	1223N	1.2	63.0	10.7	1.0
Virtue	V1323S	1.3	60.2	11.4	1.0
Viking Seed	O.1718N	1.7	59.1	11.5	1.0
Miller Hybrids	1598	1.5	58.9	11.4	1.0
Check	AG15XF2	1.5	58.4	11.2	1.0
Brushvale Seed	BS1512	1.5	55.9	10.6	1.0
Virtue	V1621	1.6	55.5	11.4	1.0
MN AES	MN1901CN	1.9	55.3	11.3	1.5
MN AES	MN1807CN	1.8	54.7	11.1	1.0
Viking Seed	1518N	1.5	54.1	11.5	1.0
MN AES	M07-297007	1.8	53.9	11.3	1.0
SD AES	BROOKINGS	1.7	52.9	12.1	2.0
Richland IFC	MK41	1.1	52.9	11.3	1.8
Brushvale Seed	BS1146	1.2	52.4	10.9	1.0
Miller Hybrids	1968	1.9	52.1	11.9	1.0
Sevita International	SVX4005-P1	1.5	52.1	10.5	1.0
Sevita International	BARTON	1.4	51.8	11.9	1.8
Sevita International	ODESSA	1.1	51.2	10.4	1.0
Sevita International	SKYLINE	1.1	51.0	10.9	1.8
MN AES	MN1510HO	1.5	50.4	11.2	1.0
Richland IFC	MK9101	1.1	46.1	9.5	1.0
Richland IFC	MK1016	1.0	45.7	11.5	1.8
MN AES	M13-250046	1.5	45.7	10.6	2.0
Richland IFC	MK1423	1.4	43.8	12.3	1.0
Richland IFC	MK1023	1.0	43.6	12.3	1.0
Trial Average			52.8	11.2	1.2
LSD (0.05)†			1.9	0.4	-
C.V.‡			2.6	-	-

* 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.
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