



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2021 South Dakota Conventional Soybean Variety Trial Results South Shore

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Location: 8.5 miles west of South Shore (57263) in Codington County, SD
(GPS: 45.106939°, -97.102077°)

Cooperator: SDSU Northeast Research Farm

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

Fertilizer: 0-0-100-5Z

Previous crop: spring wheat

Tillage: conventional

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide:
-Pre: 1 pt/acre Dual II Magnum (s-metolachlor) + 5 oz/acre Antares (sulfentrazone)
-Post: 10 oz/acre Tapout (clethodim) + .125 oz/acre Harmony SG (thifensulfuron)

Insecticide: none

Date seeded: 5/18/2021

Date harvested: 10/4/2021



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Table 1. Conventional soybean performance results (average of four replications - **Maturity Group 0**) at South Shore, South Dakota.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Viking Seed	0821N	0.8	72.2	12.0	2.0
Check	AG17X8	1.7	62.7	12.1	2.0
ND AES	ND Dickey	0.8	61.8	11.8	2.0
MN AES	MN0811CN	0.8	60.4	12.1	2.0
SD AES	Codington	0.9	58.9	12.7	2.0
Richland IFC	MK808CN	0.8	56.3	13.2	4.0
Sevita International	Panorama	0.3	53.2	12.1	2.0
Richland IFC	MK0603	0.6	52.1	12.1	3.3
Sevita International	Astor	0.3	51.4	13.1	2.0
Richland IFC	MK0508	0.8	48.9	11.8	2.8
Trial Average			57.8	12.3	2.4
LSD (0.05)†			2.0	0.4	-
C.V.‡			2.4	2.3	-

* 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.



2021 South Dakota Conventional Soybean Variety Trial Results South Shore

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Virtue	V1621	1.6	68.6	11.2	2.0
Viking Seed	1518N	1.5	67.9	11.7	2.0
Virtue	V1821	1.8	67.9	11.1	2.0
Miller Hybrids	1589	1.5	66.0	11.3	2.0
Viking Seed	1218N	1.2	65.7	11.0	2.0
MN AES	MN1901CN	1.9	65.0	11.5	2.0
SD AES	Brookings	1.7	64.3	11.9	2.0
Richland IFC	MK146	1.1	61.7	11.3	2.0
MN AES	EXP M10-238-2036	1.5	60.6	11.8	2.0
Check	AG17X8	1.7	60.4	12.1	2.0
Richland IFC	MK373	2.0	60.4	13.7	2.0
Sevita International	Skyline	1.1	58.4	12.1	2.3
MN AES	MN1807CN	1.8	58.3	11.7	2.0
Richland IFC	MK41	1.1	56.8	11.7	2.8
MN AES	MN1806CN	1.8	55.2	11.7	2.3
MN AES	MN1312CN	1.3	54.7	11.2	2.0
Richland IFC	EXP008	1.5	52.2	11.2	3.0
Richland IFC	EXP007	1.0	50.3	12.0	2.3
Richland IFC	MK1016	1.0	49.2	11.4	3.0
Richland IFC	MK9101	1.1	49.1	10.3	2.0
Trial Average			59.6	11.6	2.2
LSD (0.05)†			2.3	0.6	-
C.V.‡			2.7	3.3	-

* 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.