



**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 Mt. Vernon

Jonathan Kleinjan | SDSU Extension Agronomist
Kevin Kirby | Agricultural Research Manager
Shawn Hawks | Agricultural Research Manager

Location: 1/2 mile south and 3 1/2 miles west of Mt. Vernon in Davison County, SD
43.699739°, -98.336665°

Cooperator: Edinger Brothers

Soil Type: Plankinton-Prosper complex

Fertilizer: none

Previous crop: corn

Tillage: no till

Row spacing: 30 inches

Seeding Rate: 150,000/acre

Herbicide: Burndown/Pre: 24 oz/acre Paraquat 250 + 6 oz/acre Sulfentrazone 4SC + 6 oz/acre Tigris MTZ 4F
Post: 20 oz/acre Acifouorfen 2 + 1 qt/acre Basagran 5L + 7.7 oz/acre Me-Too-Lachlor II + 15 oz/acre Outlook + 10 oz/acre Volunteer

Insecticide: none

Date seeded: 5/26/2022

Date harvested: 10/6/2022

SDSU Extension is an equal opportunity provider and employer in accordance with the nondiscrimination policies of South Dakota State University, the South Dakota Board of Regents and the United States Department of Agriculture.

Learn more at extension.sdstate.edu.

© 2022, South Dakota Board of Regents



**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

2022 South Dakota Conventional Soybean Variety Trial Results Mt. Vernon

Table 1. Conventional soybean performance results (average of 4 replications - **Maturity Group I**) at Mt. Vernon, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
MN AES	M07-297007	1.8	41.6	12.5	1.0
Richland IFC	MK808CN	0.8	41.2	13.6	1.0
MN AES	MN1807CN	1.8	40.8	9.6	1.0
Viking Seed	O.1718N	1.7	40.6	10.0	1.0
Richland IFC	MK1423	1.4	40.0	13.4	1.0
Check	AG15XF2	1.5	39.9	11.7	1.0
Richland IFC	MK41	1.1	39.6	10.8	1.0
Virtue	V1821	1.8	39.5	11.5	1.0
Viking Seed	1518N	1.5	39.4	12.3	1.0
MN AES	MN1510HO	1.5	38.7	12.3	1.0
SD AES	BROOKINGS	1.7	37.8	11.1	1.0
MN AES	M13-250046	1.5	37.3	10.9	1.0
MN AES	MN1901CN	1.9	36.3	8.1	1.0
Sevita International	CANDOR	1.9	35.0	8.4	1.0
Richland IFC	MK1023	1.0	33.4	12.8	1.0
Richland IFC	MK9101	1.1	32.6	7.8	1.0
Richland IFC	MK1016	1.0	27.8	9.2	1.0
Trial Average			37.7	10.9	1.0
LSD (0.05)†			4.1	0.6	-
C.V.‡			7.6	-	-

* 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.
‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.



2022 South Dakota Conventional Soybean Variety Trial Results Mt. Vernon

**SOUTH DAKOTA STATE
UNIVERSITY EXTENSION**

Table 2. Conventional soybean performance results (average of 4 replications - **Maturity Group II**) at Mt. Vernon, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Miller Hybrids	2508	2.5	47.1	11.6	1.0
Miller Hybrids	2818	2.8	44.9	10.9	1.0
Check	AG15KF2	1.5	39.5	11.6	1.0
Miller Hybrids	2368	2.3	38.6	11.5	1.0
Virtue	V2122	2.1	37.7	9.2	1.0
Viking Seed	2418N	2.4	37.3	11.6	1.0
Viking Seed	2022N	2.0	36.7	8.5	1.0
Viking Seed	2155N	2.1	36.6	8.5	1.0
Virtue	V2423	2.4	34.2	12.1	1.0
Richland IFC	MK373	2.0	33.2	9.2	1.0
Trial Average			38.6	10.5	1.0
LSD (0.05)†			2.2	0.5	-
C.V.‡			4.0	-	-

* 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.