



**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 Brookings

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Location: 3 miles north of Brookings (57006) in Brookings County, SD
44.362528°, -96.792450°

Cooperator: SDSU Felt Family Research Farm

Soil Type: Vienna-Brookings complex, 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
Post: 12 oz/acre Volunteer + 1 pt/acre Ultra Blazer

Insecticide: none

Date seeded: 5/17/2023

Date harvested: 10/17/2023

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Table 1. Conventional soybean performance results (average of 4 replications - **Maturity Groups 0 & I**) at Brookings, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Viking Seed	VK 0821N	0.8	76.9	10.6	2.3
Ag Performance	AP 0720	1.0	75.8	10.5	2.0
Viking Seed	VK 1223N	1.2	72.3	10.3	1.3
Miller Hybrids	1938	1.9	67.8	10.1	2.8
Viking Seed	VK 1518N	1.5	67.4	10.4	1.0
LG Seeds	LGS1684	1.6	67.2	10.4	1.5
Check	AG15XF2	1.5	65.6	10.5	2.5
Miller Hybrids	1538	1.5	64.4	10.4	1.8
Brushvale Seed	BS1799	1.5	64.1	10.3	1.5
Ag Performance	AP 1321	1.3	63.9	10.6	2.0
SD AES	BROOKINGS	1.7	63.3	10.7	2.5
Ag Performance	AP 1621	1.6	63.2	10.5	2.3
Brushvale Seed	BS91614	1.0	63.0	10.3	1.0
Virtue	V1621	1.6	62.8	10.0	1.0
Brushvale Seed	BS1940	1.9	62.2	10.3	1.5
Viking Seed	VK 1718N	1.7	60.6	10.3	1.0
Richland IFC	MK146	1.1	60.0	10.3	1.3
Richland IFC	MK41	1.1	59.6	10.5	3.5
Richland IFC	MK0603	0.6	57.6	10.7	3.5
Richland IFC	MK808CN	0.8	57.2	11.0	3.3
MN AES	MN1807CN	1.8	56.1	10.7	2.0
Richland IFC	MK1023	1.0	55.7	10.5	1.8
Richland IFC	MK1423	1.4	52.5	10.4	1.8
Richland IFC	MK9103	1.3	44.5	10.2	2.3
Richland IFC	SABLE	1.2	43.8	10.1	3.8
Richland IFC	DECKER	1.0	43.3	9.7	1.5
Richland IFC	MK9102	1.2	42.9	10.5	3.0
Richland IFC	MK9101	1.1	41.8	10.9	2.5
Trial Average			59.9	10.4	2.0
LSD (0.05)†			3.2	0.2	-
C.V.‡			3.8	-	-

* 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 II**) at Brookings, SD.

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture (%)	Lodging Score (1-5)*
Check	AG15KF2	1.5	63.6	10.4	1.0
Viking Seed	VK 2022N	2.0	60.4	10.5	1.0
LG Seeds	LGS2020	2.0	59.8	10.2	1.0
Virtue	V2122	2.1	58.4	10.6	1.0
Miller Hybrids	2238	2.2	56.6	10.4	1.0
Virtue	V2922	2.9	55.2	10.3	1.0
LG Seeds	LGS2329	2.3	53.9	11.0	1.0
Richland IFC	MK373	2.0	53.2	10.7	1.0
Viking Seed	VK 2155N	2.1	51.2	10.6	1.0
Trial Average			56.9	10.5	1.0
LSD (0.05)†			2.0	0.6	-
C.V.‡			2.4	-	-

* 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.