



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

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

# 2024 South Dakota Conventional Soybean Variety Trial Results Brookings

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**Location:** 3 miles north of Brookings (57006) in Brookings County, SD  
44.363938°, -96.732193°

**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:** 5/30/2024

**Date harvested:** 10/7/2024

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## 2024 South Dakota Conventional Soybean Variety Trial Results Brookings

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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 / BLUE RIVER	1223N	1.2	65.1	9.9	1
MILLER HYBRIDS	1938	1.9	64.3	10.1	1
MILLER HYBRIDS	1538	1.5	64.2	10.3	1
BRUSHVALE SEED	BS1940	1.9	63.7	10.6	1
AG PERFORMANCE	AP1621	1.6	60.1	10.1	1
AG PERFORMANCE	AP0720	1	59.3	10.0	1.3
FILLER	FILLER	1	59.2	10.2	1
BENSON HILL	E1993	1.9	57.6	10.2	1
VIKING / BLUE RIVER	1718N	1.7	57.2	10.1	1
CHECK	CHECK	1.5	56.9	10.1	1
AG PERFORMANCE	AP1321	1.3	56.5	10.0	1
BRUSHVALE SEED	BS91615	1.2	56.3	10.3	1.5
VIKING / BLUE RIVER	19B5	1.9	56.0	10.2	1
VIKING / BLUE RIVER	0821N	0.8	55.9	9.9	1
VIKING / BLUE RIVER	15B5	1.5	55.2	9.9	1
SD AES	BROOKINGS	1.6	54.3	10.2	1.3
RICHLAND IFC	MK1423	1.4	53.5	10.3	1
RICHLAND IFC	MK146	1.1	53.0	10.0	1
RICHLAND IFC	MK41	1.1	51.7	10.2	1.8
RICHLAND IFC	MK808CN	0.8	50.7	10.0	1.3
BENSON HILL	E17Y993	1.7	49.8	10.1	1.3
RICHLAND IFC	MK1023	1	47.7	10.3	1
RICHLAND IFC	MK0603	0.6	45.9	9.9	3.8
RICHLAND IFC	MK9102	1.2	40.9	10.0	3
RICHLAND IFC	DECKER	1	31.8	9.5	2.8
<b>Trial Average</b>			54.7	10.1	1.4
<b>LSD (0.05)†</b>			4.2	-	-
<b>C.V.‡</b>			5.4	-	-

\* Lodging Score (1 = no lodging to 5 = flat on the ground)  
† Yield value required (≥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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## 2024 South Dakota Conventional Soybean Variety Trial Results Brookings

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)*
VIKING/BLUE RIVER	2022N	2.0	62.0	10.2	1
MILLER HYBRIDS	2238	2.2	56.0	11.9	1
VIKING/BLUE RIVER	23B5	2.3	55.3	10.6	1
AG PERFORMANCE	AP2422	2.4	50.0	11.6	1
AG PERFORMANCE	AP2520	2.5	56.2	10.8	1
BENSON HILL	BH22Q201	2.2	48.7	10.5	1
BENSON HILL	BH23H228	2.3	50.7	10.8	1
BENSON HILL	BH23Q217	2.3	49.5	10.5	1
CHECK	CHECK	1.5	57.9	10.2	1
BENSON HILL	E21Y989	2.1	51.2	10.1	1
RICHLAND IFC	MK373	2.0	47.5	12.6	1
<b>Trial Average</b>			53.2	10.9	1.0
<b>LSD (0.05)†</b>			3.2	-	-
<b>C.V.‡</b>			4.2	-	-

\* Lodging Score (1 = no lodging to 5 = flat on the ground)  
† Yield or moisture value required (≥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.