



**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 Corn Hybrid Trial Results Brookings

David Karki | SDSU Extension Agronomy Field Specialist

Kevin Kirby | Agricultural Research Manager

Shawn Hawks | Agricultural Research Manager

Location: 2.5 miles north of Brookings, SD
44.362509°, -96.790448°

Cooperator: SDSU Felt Family Research Farm

Soil Type: Vienna-Brookings complex, 0-2% slopes

Fertilizer: 30-10-10 starter + 150-60-40-12S preplant broadcast

Previous crop: spring wheat

Tillage: conventional

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 29 oz Staunch II, 32 oz Cornerstone 5 plus
Post: 3 oz Callisto, 0.9 oz Accent Q

Date seeded: 5/17/24

Date harvested: 10/27/24

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Conventional Corn Hybrid Trial Results
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Table 1. Conventional corn hybrid performance results (average of 3 replications) at Brookings, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
VIKING / BLUE RIVER	75-07	107	283.1	22.9	54.5	0.0	33106
AG PERFORMANCE	AP1053	103	281.6	21.5	55.9	0.0	32961
HEINE HYBRIDS	H752	104	281.1	20.6	56.6	0.0	33686
JACOBSEN SEED	JS0331-CONV	103	280.0	20.5	56.4	0.0	32815
AG PERFORMANCE	AP1050	105	275.0	23.1	54.7	0.0	32380
JACOBSEN SEED	JS0223-CONV	102	272.6	21.6	55.1	0.3	33251
JACOBSEN SEED	JS9762-CONV	96	261.6	19.7	57.9	0.0	33106
HEINE HYBRIDS	H6703	97	260.3	21.1	55.5	0.0	33396
MILLER HYBRIDS	98-30	98	259.9	19.6	56.1	0.0	33251
HEINE HYBRIDS	H740	102	259.5	21.1	56.0	0.0	32961
LEGACY SEEDS	LC484-24	98	258.3	19.5	55.3	0.3	33251
AG PERFORMANCE	AP1000	100	257.5	20.3	57.1	0.0	32380
VIKING / BLUE RIVER	46-02	102	257.3	21.3	55.8	0.0	31073
LEGACY SEEDS	LC534-24	103	256.0	22.3	54.2	0.0	33106
HEINE HYBRIDS	H7429	104	255.3	21.5	55.7	0.0	31073
AG PERFORMANCE	AP970	97	254.5	19.7	56.4	0.0	32815
HEINE HYBRIDS	H6836	98	254.2	19.1	56.5	0.0	33541
MILLER HYBRIDS	00-75	100	252.9	20.8	56.6	0.0	33106
RENK SEED	RK4-98	99	252.8	20.1	56.6	0.0	32380
LEGACY SEEDS	LC517-24	101	252.3	20.0	57.7	0.3	32670
VIKING / BLUE RIVER	73-97	97	250.7	19.5	56.5	0.0	32525
LEGACY SEEDS	LC497-24	99	249.6	20.1	56.8	0.0	31654
CHECK	CHECK	98	248.7	20.1	57.3	0.0	32670
VIKING / BLUE RIVER	84-04	104	247.3	20.0	57.3	0.0	32815
HEINE HYBRIDS	H7291	101	246.0	22.4	54.3	0.0	30056
HEINE HYBRIDS	H6500	98	245.4	19.4	57.5	0.0	32525
RENK SEED	RK600	98	243.1	20.4	55.8	0.0	33251
RENK SEED	RK571	96	234.0	19.4	56.8	0.0	29040
CMN	FNC21-1289	95	170.4	19.0	59.1	0.0	28314
Trial Average			255.2	20.6	56.3	-	32385
LSD (0.05)†			16.9	1.3	0.8	-	1173
C.V.‡			4	3.9	0.9	-	2.2

* Lodging percentage - stalks broken below the ear as a percentage of the final stand.

† 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.