



**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 South Shore

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**Location:** 8.5 miles west of South Shore in Codington County, SD  
45.106784°, -97.100102°

**Cooperator:** South Dakota State University Northeast Research Farm

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

**Fertilizer:** 30-10-10 starter + 200-0-50 preplant broadcast

**Previous crop:** soybeans

**Tillage:** no-till

**Row spacing:** 30 inches

**Seeding Rate:** 32,000/acre

**Herbicide:** Pre: 32 oz Dual II  
Post: 3 oz Callisto + 0.9 oz Accent Q

**Date seeded:** 5/14/24

**Date harvested:** 10/29/24

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Conventional Corn Hybrid Trial Results  
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Table 1. Conventional corn hybrid performance results (average of 4 replications) at South Shore, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
JACOBSEN SEED	JS0331-CONV	103	272.1	21.7	56.1	0	33541
AG PERFORMANCE	AP1053	103	269.9	21.3	56.6	0	33323
JACOBSEN SEED	JS9762-CONV	96	262.2	19.8	58.4	0	33868
JACOBSEN SEED	JS9553-CONV	95	259.2	20.4	57.0	0	32452
MILLER HYBRIDS	98-70	98	258.9	21.0	56.1	0	32997
VIKING / BLUE RIVER	73-97	97	257.6	19.0	57.7	2	33650
AG PERFORMANCE	AP970	97	256.6	21.0	56.0	0	33106
HEINE HYBRIDS	H7291	101	254.1	21.1	55.5	0	33323
HEINE HYBRIDS	H6703	97	251.3	21.0	55.9	0	33432
AG PERFORMANCE	AP1000	100	248.4	21.4	56.9	0	32452
MILLER HYBRIDS	96-13	96	244.9	19.5	58.3	0.3	33868
HEINE HYBRIDS	H6836	98	244.6	19.8	56.9	0.5	32888
CHECK	CHECK	98	244.6	20.3	57.7	0.3	32343
JACOBSEN SEED	JS9711-CONV	97	243.5	21.3	55.8	0	32561
RENK SEED	RK300	90	243.5	18.5	57.5	0	32343
HEINE HYBRIDS	H626	95	242.8	19.5	58.4	0.3	33650
RENK SEED	RK571	96	242.7	18.8	57.2	0	31363
HEINE HYBRIDS	H6500	98	242.3	19.1	57.6	0	32452
LEGACY SEEDS	LC3517	95	241.6	18.7	58.5	0.3	33215
JACOBSEN SEED	JS9591-CONV	95	240.9	19.2	58.4	0	32888
RENK SEED	RK470	94	239.7	19.0	57.6	0	31908
HEINE HYBRIDS	H6200	95	236.6	19.7	58.0	0	33323
VIKING / BLUE RIVER	24-99	99	234.5	20.1	56.9	0	32997
LEGACY SEEDS	LC444-21	94	231.1	18.7	57.9	0	31690
VIKING / BLUE RIVER	42-92	92	222.7	18.0	59.4	0.5	32126
CMN	FNC21-1289	95	148.9	19.4	59.2	1.5	29948
<b>Trial Average</b>			243.6	19.9	57.3	0.25	32758
<b>LSD (0.05)†</b>			12.0	0.9	0.6		777
<b>C.V.‡</b>			3.5	3.2	0.8	-	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.