



**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 Corn Hybrid Trial Results South Shore

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**Location:** 8.5 miles west of South Shore (57263) in Codington County, SD  
45.106840°, -97.099932°

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

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

**Fertilizer:** 30-10-10 starter + 300-0-100 preplant broadcast

**Previous crop:** soybeans

**Tillage:** conventional

**Row spacing:** 30 inches

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

**Herbicide:** Pre: 1.5 pt/acre Surpass + 1 pt/ace Atrazine  
Post: 3 oz/acre Callisto + 0.9 oz/acre Accent Q

**Date seeded:** 5/5/23

**Date harvested:** 11/2/23

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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	JS4046	104	192.3	20.7	54.6	0.0	31400
Viking Seed	42-92	92	184.4	18.7	56.9	0.0	31200
Viking Seed	52-96	96	181.2	20.0	56.8	0.0	32300
Check	DKC48-95RIB	98	180.7	23.1	55.9	0.0	32900
Ag Performance	AP 1053	103	180.6	21.2	55.6	0.0	32900
Jacobsen Seed	JS4096	95	179.4	20.0	57.3	0.0	32300
Jacobsen Seed	JS4009	91	178.7	20.5	55.9	0.0	32700
Legacy Seeds	LC-3517	95	177.7	19.5	57.0	0.0	32700
Ag Performance	AP 970	97	177.1	20.7	55.5	0.0	33100
Jacobsen Seed	JS4095	95	174.5	20.0	57.0	0.0	32700
Renk Seed	RK470	94	164.9	20.5	55.9	0.0	31200
Jacobsen Seed	JS4107	103	164.2	23.2	54.0	0.0	32100
Renk Seed	RK300	90	161.6	17.8	58.6	0.0	32100
Legacy Seeds	LC444-21	94	159.9	20.2	55.9	0.0	32100
Viking Seed	45-97UP	97	158.7	21.9	55.9	0.0	31900
Jacobsen Seed	JS4040	91	156.8	19.7	57.8	0.0	32700
Renk Seed	RK571	96	154.6	19.2	56.2	0.0	32300
<b>Trial Average</b>			172.2	20.4	56.3	0.0	32300
<b>LSD (0.05)†</b>			10.9	1.6	1.0	-	1100
<b>C.V.‡</b>			4.5	-	-	-	-

\* 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.