



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

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

2022 South Dakota Conventional Corn Hybrid Trial Results Brookings

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Location: 2.5 miles north of Brookings in Brookings County, SD
44.362560°, -96.790249°

Cooperator: South Dakota State University Volga Research Farm

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

Fertilizer: 90 lb/acre 30-10-10 starter + 67-46-0-24S preplant broadcast + 18-40-110 feedlot manure

Previous crop: spring wheat

Tillage: conventional

Row spacing: 30 inches

Seeding Rate: 33,500/acre

Herbicide: Pre: 2.25 pt/acre Harness
Post: 4 oz/acre Calisto

Date seeded: 5/6/22

Date harvested: 10/20/22

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Table 1. Conventional corn hybrid performance results (average of 4 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 Seed	84-05	105	297.2	17.7	58.2	0.0	31200
Viking Seed	72-06	106	291.4	19.2	55.2	0.0	30200
Legacy Seeds	LC-5217 CONV	102	290.4	16.9	57.9	0.0	30600
Viking Seed	46-02	102	290.3	16.8	57.7	0.0	30600
Dakota's Best Seed	DB38-06	106	286.4	20.5	56.6	0.0	31600
Dakota's Best Seed	DB32-02	102	285.3	17.6	56.9	0.0	31600
Legacy Seeds	LC544-22 CONV	104	280.8	17.5	58.4	0.0	30200
Renk Seed	RK642	103	275.0	16.6	57.9	0.0	30400
Check	DKC48-95RIB	98	274.0	15.1	59.3	0.0	30000
Jacobsen Seed	JS 4096	96	269.1	14.7	59.2	0.0	32900
Jacobsen Seed	JS 4095	95	264.3	15.1	59.0	0.0	30400
Viking Seed	52-00	100	262.5	15.3	57.4	0.0	32200
Renk Seed	RK600	100	260.4	15.9	57.8	0.0	28300
Jacobsen Seed	JS 4040	91	257.4	14.3	59.3	0.0	30600
Dakota's Best Seed	DB33-99	99	251.6	17.3	56.2	0.0	32400
Renk Seed	RK568	95	230.3	15.0	58.9	0.0	28400
Dakota's Best Seed	DB32-00	100	207.7	17.2	58.1	0.0	22000
Trial Average			269.0	16.6	57.9	0.0	30200
LSD (0.05)†			9.3	0.6	0.4	-	1200
C.V.‡			2.4		-	-	-

* 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.