



# 2021 South Dakota Conventional Corn Hybrid Trial Results Volga

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**Location:** 1.5 miles south of Volga (57101) in Brookings County, SD  
44.298762°, -96.921176°

**Cooperator:** SDSU Volga Research Farm

**Soil Type:** Brandt silty clay loam, 0-2% slope

**Fertilizer:** 90 lb/acre 30-10-10 starter + 180-40-40-8S preplant

**Yield Goal:** 200 bu/acre

**Previous crop:** soybeans

**Tillage:** conventional (vertical till)

**Row spacing:** 30 inches

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

**Herbicide:** Pre: 2.5 pt/acre Surpass NXT (acetochlor)  
Post: none

**Date seeded:** 4/29/21

**Date harvested:** 10/15/21

**Notes:** This trial was negatively impacted by drought conditions.



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Table 1. Conventional corn hybrid performance results (average of four replications) at Volga, South Dakota.

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	46-02	102	<b>114.8</b>	15.5	52.7	0.4	29500
Viking Seed	72-06	106	<b>112.1</b>	16.0	51.0	0.3	31100
Check	DKC48-95RIB	98	<b>110.8</b>	15.2	55.3	2.8	30800
Viking Seed	84-05	105	<b>107.6</b>	15.4	53.1	0.3	30700
Federal Hybrids	4185 CONV	91	<b>107.1</b>	14.9	53.1	0.7	31000
Peterson Farms Seed	19L95	95	<b>106.5</b>	15.3	52.8	1.7	31200
Renk	RK642	103	105.8	15.5	52.0	1.7	30500
Renk	RK726	106	104.5	15.9	50.8	2.1	30500
Hi Fidelity Genetics	HFG1071	105	102.3	15.5	53.1	0.7	31900
Renk	RK600	100	101.6	15.0	53.5	1.3	31800
Hi Fidelity Genetics	HFG1002	100	98.4	15.0	53.4	1.7	31800
Peterson Farms Seed	14M00	100	98.2	15.1	54.0	3.7	31600
Renk	RK568	95	97.3	15.2	53.8	0.7	30500
Federal Hybrids	5445 CONV	104	94.5	15.9	51.7	8.6	29600
Federal Hybrids	4440 CONV	94	94.3	15.1	53.6	0.7	31800
Federal Hybrids	4580 CONV	95	92.2	15.1	53.0	0.0	29100
Federal Hybrids	4601 CONV	96	90.5	15.6	57.6	0.3	30500
Viking Seed	52-00	100	90.4	15.5	51.0	1.7	30600
Hi Fidelity Genetics	HFG1051	105	88.2	15.9	50.6	5.1	31000
<b>Trial Average</b>			100.9	15.4	52.9	1.8	30800
<b>LSD (0.05)†</b>			8.3	0.5	0.9	-	1000
<b>C.V.‡</b>			5.8	2.2	1.2	-	-

\* 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.