



**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 Corn Hybrid Trial Results Bancroft

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**Location:** 3 miles north and 1/2 mile west of Bancroft in Kingsbury County, SD  
44.527163°, -97.763295°

**Cooperator:** Weerts Farm, Inc.

**Soil Type:** Houdek-Stickney complex, 0-2% slopes

**Fertilizer:** 100 lb/acre 30-10-10 starter + 140-100-0-10S preplant broadcast

**Previous crop:** soybeans

**Tillage:** no-till

**Row spacing:** 30 inches

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

**Herbicide:** Pre: 1 qt/acre Roundup PowerMax + 28 oz/acre TripleFlex + 8 oz/acre dicamba  
Post: 30 oz/acre Roundup PowerMax 3 + 3 oz/acre Laudis + 16 oz/acre atrazine

**Date seeded:** 5/20/22

**Date harvested:** 10/21/22



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Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (100 day maturity or less) at Bancroft, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Dairyland Seed	DS-3601AM	96	<b>207.4</b>	14.0	57.0	0.0	32000
Dairyland Seed	DS-3959AM	99	<b>206.9</b>	14.7	57.2	0.0	32300
Jacobsen Seed	JS5044 DG VT2 PRO	95	185.2	13.7	59.8	0.0	32200
Jacobsen Seed	JS7096VT2 PRO	95	184.3	13.9	59.2	0.0	32300
Jacobsen Seed	JS7046VT2 PRO	96	181.6	14.5	57.1	0.0	32300
Jacobsen Seed	JS7045VT2 PRO	95	180.6	13.7	58.6	0.0	33000
Jacobsen Seed	JS9049SS RIB	98	180.1	12.5	60.3	0.0	32300
Check	DKC48-95RIB	98	179.4	14.4	59.2	0.0	32300
Farmer Check 1	1797VT2PRIB	97	178.1	14.1	58.9	0.0	30800
Thunder Seed	T6999 VT2P	99	177.8	13.1	59.3	0.0	33100
Farmer Check 2	2398VT2PRIB	98	177.6	14.2	57.7	0.0	32800
Jacobsen Seed	JS8053TRE	98	176.1	14.3	57.7	0.0	33500
Thunder Seed	T6300 VT2P	100	175.6	14.3	57.7	0.0	33100
Proseed	2196 VT2PRIB	96	175.4	13.7	57.2	0.0	32100
Renk Seed	RK600VT2P	100	174.8	14.5	58.0	0.0	32600
Thunder Seed	T6398 TRE	98	174.3	13.4	57.6	0.0	32800
Dairyland Seed	DS-3727AM	97	173.2	12.9	58.4	0.0	32400
Jacobsen Seed	JS7001VT2 PRO	98	171.2	14.2	59.5	0.0	32700
Legacy Seeds	LC474-20 TRE	97	171.0	14.3	57.9	0.0	32800
Jacobsen Seed	JS7047VT2 PRO	97	167.7	13.4	57.6	0.0	32600
Jacobsen Seed	JS7095VT2 PRO	95	166.3	12.9	58.7	0.0	32100
Proseed	2398 TRE	98	165.9	14.3	57.8	0.0	32600
Dairyland Seed	DS-3900AM	99	162.6	13.2	59.6	0.0	32800
Jacobsen Seed	JS5091 DG VT2 PRO	98	162.6	13.8	58.6	0.0	32800
Proseed	2392 VT2PRIB	92	159.0	12.2	59.0	0.0	31400
Renk Seed	RK579DGV2P	99	150.4	13.4	58.1	0.0	32800
Legacy Seeds	LC-4248 VT2P	100	141.9	14.2	57.5	0.0	31800
<b>Trial Average</b>			174.3	13.8	58.3	0.0	32500
<b>LSD (0.05)†</b>			13.5	1.2	0.8	-	1000
<b>C.V.‡</b>			5.5	-	-	-	-

\* 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.



## 2022 South Dakota Corn Hybrid Trial Results Bancroft

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Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Late Season Trial** (101 day maturity or more) at Bancroft, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Dairyland Seed	DS-4219AM	102	<b>192.6</b>	13.3	55.9	0.0	32800
Dairyland Seed	DS-4567Q	105	<b>186.1</b>	14.3	59.1	0.0	32300
Check	DKC48-95RIB	98	<b>180.2</b>	13.1	59.0	0.0	31700
Farmer Check 1	DKC51-25RIB	101	176.2	12.5	59.2	0.0	31700
Renk Seed	RK625DGVT2P	104	174.1	12.9	56.5	0.0	33500
Farmer Check 2	23102	102	173.1	14.5	57.8	0.0	31800
Renk Seed	RK609VT2P	101	171.0	14.1	58.6	0.0	31700
Dairyland Seed	DS-4310AM	103	167.5	13.9	57.9	0.0	31700
Legacy Seeds	LC554-21 DGVT2P	104	161.0	13.7	56.6	0.0	32200
<b>Trial Average</b>			175.7	13.6	57.8	0.0	32000
<b>LSD (0.05)†</b>			13.6	0.8	0.7	-	1100
<b>C.V.‡</b>			5.3	-	-	-	-

\* 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.