



**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 Corn Hybrid Trial Results Bancroft

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Location: 2 1/2 miles north of Bancroft in Kingsbury County, SD
44.518344°, -97.753933°

Cooperator: Weerts Farm, Inc.

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

Fertilizer: 27-9-9 starter + 140-100-0-10S preplant broadcast

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 30 oz/acre Roupup PowerMax 3 + 28 oz/acre TripleFlex
Post: 30 oz/acre Roundup PowerMax 3 + 3 oz/acre Laudis

Date seeded: 5/10/23

Date harvested: 11/1/23



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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-3881AM	98	257.4	17.0	56.3	3.5	33100
Renk Seed	RK582SSTX	98	244.0	17.2	55.8	5.2	32900
Renk Seed	RK600VT2P	100	242.1	17.1	56.8	36.2	32300
Renk Seed	RK590VT2P	98	241.6	17.0	55.6	12.4	32500
Jacobsen Seed	JS9902VT2P	99	241.2	16.9	57.2	12.9	32100
Check	DKC48-95RIB	98	240.4	16.9	57.8	4.2	32900
Peterson Farms Seed	71R95	95	239.1	16.7	57.8	8.1	32700
Renk Seed	RK561DGVT2P	95	238.3	16.8	56.6	7.4	32900
Peterson Farms Seed	74A97	97	238.1	16.7	56.4	2.3	32900
Farmer Check 2	2291VT2PRIB	91	237.9	16.9	57.6	10.0	32900
Renk Seed	RK579DGVT2P	99	237.9	17.1	56.8	3.9	32300
Legacy Seeds	LC492-22 VT2P	99	236.1	17.2	55.5	23.7	32700
Renk Seed	RK597SSPRO	99	235.9	16.9	56.7	2.9	32900
Jacobsen Seed	JS9723TRE	97	234.0	17.0	56.7	0.6	32900
Thunder Seed	T6497 TRE	97	233.9	16.8	56.6	4.8	33100
Jacobsen Seed	JS0083VT2P	100	231.9	17.3	56.2	15.6	32700
Peterson Farms Seed	78P98	98	231.7	17.2	56.1	10.7	32700
Peterson Farms Seed	75T99	99	229.4	17.2	56.1	61.2	32300
Dairyland Seed	DS-3601AM	96	228.7	16.9	56.1	12.9	32100
Renk Seed	RK571PWE	96	227.8	16.8	56.4	3.3	32300
Channel	200-42VT2PRIB	100	227.4	17.3	57.3	2.3	32500
Thunder Seed	T6298 VT2P	98	227.1	17.0	56.9	12.8	33100
Legacy Seeds	LC494-23 PWE	99	227.1	17.6	56.8	8.7	32700
Jacobsen Seed	JS0063VT4	100	225.1	17.1	56.9	21.3	32300
Thunder Seed	T6300 VT2P	100	224.7	17.3	56.2	34.5	31700
Jacobsen Seed	JS9542VT2P	95	224.6	16.6	58.5	18.3	32500
Peterson Farms Seed	85X98	98	215.6	16.8	57.4	11.4	32500
Thunder Seed	T6498 PC	98	214.5	16.8	56.3	1.9	32900
Farmer Check 1	2285VT2RIB	85	204.6	16.3	57.2	1.7	31900
Trial Average			232.3	17.0	56.7	12.2	32600
LSD (0.05)†			11.4	0.4	0.8	-	800
C.V.‡			3.5	-	-	-	-

* 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.



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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)
Legacy Seed	LC544-22 PWE	104	241.0	18.0	56.6	6.8	32500
Dairyland Seed	DS-4365AM	103	237.5	17.1	58.0	1.3	32700
Dairyland Seed	DS-4567Q	105	236.3	17.9	57.4	1.0	32900
Thunder Seed	T6902 VT2P	102	235.1	17.6	56.2	2.9	32500
Jacobsen Seed	JS0223VT2P	102	233.3	17.6	57.0	1.0	32900
Legacy Seed	LC512-22 VT2P	101	232.4	17.3	56.5	25.3	33100
Dairyland Seed	DS-4219AM	102	232.1	18.5	54.2	8.4	31700
Check	DKC48-95RIB	98	231.8	16.8	58.1	3.8	33100
Renk Seed	RK628VT2P	102	229.9	18.0	57.0	1.3	32700
Renk Seed	RK625DGVT2P	104	229.1	18.6	55.7	14.1	32500
Farmer Check 2	P0688	100	225.8	18.1	56.3	5.8	31400
Renk Seed	RK609VT2P	101	221.1	17.2	57.5	2.9	32500
Legacy Seed	LC534-23 TRE	103	218.1	17.6	56.6	4.4	32300
Thunder Seed	T6204 VT2P	104	216.4	18.0	56.3	31.3	32300
Farmer Check 1	DKC51-25RIB	101	215.4	16.5	56.1	1.3	32300
Renk Seed	RK60XPWE	101	204.4	18.1	55.7	22.1	33100
Trial Average			227.5	17.7	56.6	8.4	32600
LSD (0.05)†			13.6	1.0	0.9	-	900
C.V.‡			4.2	-	-	-	-

* 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.