



**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 South Shore

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**Location:** 8.5 miles west of South Shore in Codington County, SD  
45.106946°, -97.098724°

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

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

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

**Previous crop:** soybeans

**Tillage:** conventional

**Row spacing:** 30 inches

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

**Herbicide:** Pre: 1.5 pt/acre Surpass + 1 pt/acre Atrazine  
Post: 1 qt/acre Roundup PowerMax + 3 pz/acre Callisto

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

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

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## 2023 South Dakota Corn Hybrid Trial Results South Shore

### SOUTH DAKOTA STATE UNIVERSITY EXTENSION

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (95 day maturity or less) 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)
Renk Seed	RK444VT2P	93	206.9	19.6	56.4	0.0	31300
Dahlman Seed	R45-25VT2PRIB	90	204.2	19.3	56.4	0.0	32000
Thunder Seed	T6396 VT2P	95	198.2	20.0	56.4	0.0	32100
Renk Seed	RK502SSTX	95	197.3	19.2	56.1	0.0	30100
Dahlman Seed	R45-236VT2PRIB	90	196.6	17.9	59.4	0.0	32300
Dairyland Seed	DS-3477AM	94	195.9	19.0	56.4	0.0	31600
Jacobsen Seed	JS9591VT2P	95	193.2	21.0	56.6	0.0	32200
Dahlman Seed	R47-24VT2PRIB	94	189.5	19.8	56.1	0.0	31900
Check	DKC48-95RIB	98	185.5	23.0	55.1	0.0	33000
Jacobsen Seed	JS9542VT2P	95	185.5	19.2	58.7	0.0	32400
Dairyland Seed	DS-3599Q	95	185.0	18.9	57.1	0.0	32400
Jacobsen Seed	JS9182VT2P	91	181.7	19.2	57.7	0.0	32500
Dahlman Seed	R48-239VT2PRIB	95	179.7	19.9	58.3	0.0	31000
Legacy Seeds	LC454-22 VT2P	94	177.6	21.2	56.0	0.0	32300
Thunder Seed	T6294 VT2P	94	177.4	20.1	58.0	0.0	32400
Dairyland Seed	DS-3159AM	91	176.5	18.1	57.7	0.0	31700
Renk Seed	RK561DGV2P	95	176.4	20.6	56.8	0.0	31800
Farmer Check 2	NK86-18-AA	86	170.1	18.5	59.1	0.0	32300
Thunder Seed	T6992 VT2P	92	162.0	18.8	57.8	0.0	33100
Farmer Check 1	2285VT2P	85	153.5	17.6	58.2	0.0	30200
<b>Trial Average</b>			184.6	19.5	57.2	0.0	31900
<b>LSD (0.05)†</b>			12.2	0.9	0.9	-	700
<b>C.V.‡</b>			4.7	-	-	-	-

\* 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.



## 2023 South Dakota Corn Hybrid Trial Results South Shore

### SOUTH DAKOTA STATE UNIVERSITY EXTENSION

Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Late Season Trial** (96 day maturity or more) 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)
Thunder Seed	T6300 VT2P	100	198.4	20.8	56.1	0.0	32900
Proseed	2196 VT2PRIB	96	196.0	20.3	54.2	0.0	30400
Jacobsen Seed	JS9723TRE	97	191.6	20.6	55.5	0.0	31900
Renk Seed	RK590VT2P	98	191.0	20.8	54.8	0.0	32900
Ag Performance	AP1000LLGTCB	100	187.5	21.8	55.8	0.0	31000
Thunder Seed	T6497 TRE	97	185.6	21.0	55.2	0.0	32500
Renk Seed	RK571PWE	96	185.2	20.0	56.1	0.3	32700
Jacobsen Seed	JS0063VT4	100	185.0	23.4	52.6	0.4	32600
Renk Seed	RK597SSPRO	99	184.6	19.9	57.4	0.0	31900
Dairyland Seed	DS-3601AM	96	182.8	21.2	53.9	0.3	32700
Channel	200-42VT2PRIB	100	181.9	22.8	55.5	0.0	32100
Proseed	2398 TRERIB	98	181.0	21.5	55.3	0.0	32500
Legacy Seeds	LC465-23 PWE	96	179.7	19.5	56.3	0.0	32700
Jacobsen Seed	JS0064VT4	100	177.2	23.8	52.1	0.0	31400
Proseed	1996 VT2PRIB	96	176.8	21.1	55.9	0.0	31900
Dairyland Seed	DS-3881AM	98	176.1	20.9	56.1	0.0	32700
Jacobsen Seed	JS9902VT2P	99	175.0	20.9	54.1	0.0	32500
Thunder Seed	T6298 VT2P	98	171.9	23.4	53.5	1.0	32900
Check	DKC48-95RIB	98	171.6	23.0	55.1	0.0	32500
Renk Seed	RK579DGV2P	99	170.4	23.7	54.4	0.0	32300
Renk Seed	RK582SSTX	98	169.6	20.9	55.3	0.3	32100
Thunder Seed	T6498 PC	98	169.3	20.1	56.1	0.0	32700
Jacobsen Seed	JS9672VT2P	96	155.7	21.2	55.6	0.0	32500
Farmer Check 1	2291VT2PRIB	91	146.2	19.9	57.0	0.0	26300
<b>Trial Average</b>			178.7	21.2	55.3	0.1	32000
<b>LSD (0.05)†</b>			8.4	0.9	1.1	-	1000
<b>C.V.‡</b>			3.3	-	-	-	-

\* 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.