



**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 Stratford

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Location: 3 miles north and 1 mile east of Stratford in Brown County, SD
45.355538°, -98.289513°

Cooperator: Gordon and Roger Locken Farms

Soil Type: Great Bend-Beotia silt loams, 0-2% slopes

Fertilizer: 100 lb/acre 30-10-10 starter + 150-83-60-19S preplant broadcast

Yield Goal: 200 bu/acre

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: none
Post: 32 oz/acre Roundup PowerMax

Date seeded: 5/23/22

Date harvested: 10/21/22

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Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (95 day maturity or less) at Stratford, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Jacobsen Seed	JS5044 DG VT2 PRO	95	263.1	15.1	60.1	0.0	31900
Farmer Check 1	CP4444 VT2P	94	262.1	18.0	56.4	0.0	30200
Jacobsen Seed	JS7040VT2 PRO	92	259.6	14.4	58.5	0.0	32400
Thunder Seed	T6294 VT2P	94	259.3	14.9	60.1	0.0	32900
Renk Seed	RK444VT2P	93	258.6	15.2	58.0	0.0	31800
Channel	195-85DGVT2PRIB	95	258.4	15.5	57.8	0.0	33500
Dahlman Seed	R48-239VT2PRIB	95	257.8	15.0	58.2	0.0	32200
Thunder Seed	T6992 VT2P	92	256.1	14.3	58.4	0.0	33000
Jacobsen Seed	JS7045VT2 PRO	95	255.8	15.0	58.0	0.0	31700
Jacobsen Seed	JS7095VT2 PRO	95	254.9	15.2	58.9	0.0	32600
Famer Check 2	LG4673	96	254.8	15.3	59.0	0.0	31800
Dahlman Seed	R48-28VT2PRIB	95	254.0	15.7	58.7	0.0	32500
Renk Seed	RK485DGVT2P	94	252.8	15.3	59.5	0.0	32400
Dahlman Seed	R45-25VT2PRIB	90	252.2	14.9	57.7	0.0	32700
Check	DKC48-95RIB	98	252.0	15.5	58.8	0.0	29400
Dahlman Seed	R47-24VT2PRIB	94	251.2	15.1	57.6	0.0	32000
Dairyland Seed	DS-3477AM	94	251.2	15.1	57.8	0.0	31200
Thunder Seed	T6595 VT2P	95	249.6	15.1	58.9	0.0	31700
Dahlman Seed	R46-313SSRIB	94	247.6	14.4	58.2	0.0	31600
Thunder Seed	T6396 VT2P	95	246.9	15.3	57.9	0.0	32600
Jacobsen Seed	JS7096VT2 PRO	95	243.2	15.1	58.9	0.0	31400
Dairyland Seed	DS-3203AM	92	242.3	14.2	59.0	0.0	31100
Proseed	2392 VT2PRIB	92	241.2	13.9	59.7	0.0	32600
Jacobsen Seed	JS7042VT2 PRO	91	240.2	14.5	58.3	0.0	32600
Legacy Seeds	LC-414-21 VT2P	91	237.9	14.0	59.6	0.0	31400
Dahlman Seed	R45-236VT2PRIB	91	237.6	13.8	59.7	0.0	32600
Renk Seed	RK502SSTX	95	236.6	16.2	56.3	0.0	31300
Dahlman Seed	R46-27VT2PRIB	92	235.7	14.7	58.6	0.0	31800
Trial Average			250.5	15.0	58.5	0.0	32000
LSD (0.05)†			9.1	0.5	0.5	-	900
C.V.‡			2.6	-	-	-	-

* 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)
Farmer Check 1	POO75AM	100	282.7	18.4	55.5	0.0	33000
Proseed	2196 VT2PRIB	96	278.5	16.6	56.9	0.0	33100
Legacy Seeds	LC474-20 TRE	97	275.1	17.1	56.7	0.0	33500
Dairyland Seed	DS-3727AM	97	274.5	16.4	58.3	0.0	31800
Farmer Check 2	DKC51-25RIB	101	273.9	17.2	57.7	0.0	30700
Thunder Seed	T6398 TRE	98	273.9	16.7	56.6	0.0	32800
Dairyland Seed	DS-3601AM	96	272.5	16.3	57.5	0.0	33000
Dairyland Seed	DS-3959AM	99	271.8	18.1	56.1	0.0	32000
Thunder Seed	T6298 VT2P	98	271.1	16.3	57.2	0.0	31600
Dahlman Seed	R49-29VT2PRIB	98	270.9	16.7	56.8	0.0	33300
Channel	199-60TRERIB	99	270.1	16.0	57.2	0.0	33000
Jacobsen Seed	JS8053TRE	98	269.8	16.8	56.4	0.0	31200
Thunder Seed	T6300 VT2P	100	269.5	17.5	56.8	0.0	32000
Proseed	2398 TRE	98	268.7	17.2	56.4	0.0	32400
Jacobsen Seed	JS7046VT2 PRO	96	267.9	17.0	57.2	0.0	32700
Dairyland Seed	DS-3900AM	99	267.3	17.4	58.7	0.0	32000
Jacobsen Seed	JS7001VT2 PRO	98	258.9	16.4	57.9	0.0	31900
Jacobsen Seed	JS9049SS	98	251.5	15.6	59.0	0.0	31900
Thunder Seed	T6999 VT2P	99	250.5	15.9	58.0	0.0	32400
Dahlman Seed	R49-340SSRIB	98	250.2	16.7	57.7	0.0	33300
Legacy Seeds	LC482-21 VT2P	96	247.6	14.8	58.7	0.0	32600
Jacobsen Seed	JS7047VT2 PRO	97	242.9	17.1	56.8	0.0	32300
Dahlman Seed	R49-25VT2PRIB	98	242.3	14.9	58.2	0.0	32400
Check	DKC48-95RIB	98	239.0	16.4	58.1	0.0	29900
Trial Average			264.2	16.6	57.3	0.0	32300
LSD (0.05)†			9.3	0.8	0.6	-	1400
C.V.‡			2.5	-	-	-	-

* Lodging percentage - stalks broken below the ear as a percentage of the final stand.
† Yield or moisture value required (≥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.