



# 2020 South Dakota Corn Hybrid Trial Results Selby

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<b>Location:</b>	1 mile south and 1 mile east of Selby (57472) in Walworth County, SD (GPS: 45.489685°, -100.018200°)
<b>Cooperator:</b>	Tom Fiedler
<b>Soil Type:</b>	Highmore-Eakin silt loams, cool, 2-6% slopes
<b>Fertilizer:</b>	100 lb/acre 30-10-10 starter + 168-44-0-12S broadcast preplant
<b>Yield Goal:</b>	200 bu/acre
<b>Previous crop:</b>	spring wheat
<b>Tillage:</b>	no-till
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	33,000/acre
<b>Herbicide:</b>	Pre: 1 lb/acre Atrazine + 32 oz/acre Glyphosate Post: 32 oz/acre Glyphosate
<b>Date seeded:</b>	5/14/2020
<b>Date harvested:</b>	11/4/2020

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (95 day maturity or less) at Selby, 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-3366AM	93	<b>192.8</b>	12.3	57.5	1.3	32900
Dahlman Seed	R47-24VT2PRIB	94	<b>192.5</b>	11.4	55.6	2.6	32800
Federal Hybrids	4185 VT2P RIB	91	<b>190.8</b>	11.2	56.2	0.3	32800
Proseed	1794 VT2P	94	<b>189.9</b>	11.0	54.1	2.3	32500
Channel	195-85DGVT2PRIB	98	<b>188.7</b>	11.4	55.4	8.5	32600
Federal Hybrids	4470 VT2P RIB	94	<b>187.7</b>	11.2	55.8	1.0	32800
Federal Hybrids	4190 VT2P RIB	91	<b>185.5</b>	11.3	55.6	1.3	32400
Thunder Seed	T6190 VT2P	90	<b>185.4</b>	11.8	54.8	5.8	31400
Federal Hybrids	4130 VT2P RIB	91	<b>185.3</b>	11.2	56.1	4.5	32800
Federal Hybrids	4580 VT2P RIB	95	<b>185.2</b>	11.6	55.4	1.0	32800
Renk Seed	RK312VT2P	90	<b>184.9</b>	10.9	56.7	1.6	32300
Federal Hybrids	4440 VT2P RIB	94	<b>184.5</b>	11.8	57.4	0.7	32600
Dahlman Seed	R48-28VT2PRIB	95	<b>183.6</b>	11.3	55.9	1.3	32800
Thunder Seed	T6993 VT2P	93	<b>183.4</b>	11.2	56.6	1.0	32600
Dahlman Seed	R47-26VT2PRIB	94	<b>183.3</b>	11.5	56.6	4.5	28700
Farmer Check 1	DKC42-05RIB	92	183.0	11.5	55.3	4.7	31300
Renk Seed	RK433VT2P	92	183.0	11.9	57.7	2.3	32600
Renk Seed	RK499VT2P	94	181.3	11.5	55.2	2.6	32300
Federal Hybrids	4400 VT2P RIB	94	180.8	11.1	56.1	4.0	31800
Thunder Seed	T6094 VT2P	94	180.8	11.7	57.9	1.0	31600
Channel	194-49DGVT2PRIB	94	179.3	11.7	56.1	2.3	32200
Renk Seed	RK561DGVT2P	95	178.7	11.3	55.9	0.3	32600
Federal Hybrids	4160 VT2P RIB	91	176.5	11.0	55.0	0.6	32800
Renk Seed	RK315VT2P	90	176.2	11.6	55.5	3.6	32600
Check	DCK49-44RIB	99	174.8	12.1	56.0	1.3	32600
Farmer Check 2	DKC43-10RIB	93	172.6	11.5	55.2	1.4	30900
Thunder Seed	T6791 VT2P	91	171.0	11.4	55.3	0.7	32700
<b>Trial Average</b>			183.0	11.5	56.0	2.3	32300
<b>LSD (0.05)†</b>			9.7	0.8	0.9	2.1	900
<b>C.V.‡</b>			3.7	4.7	1.1	-	2.1

\* 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.

Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Late Season Trial** (96 day maturity or more) at Selby, 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	T6996 VT2P	96	<b>178.8</b>	11.3	56.3	1.9	33000
Renk Seed	RK593VT2P	97	<b>174.5</b>	10.7	56.0	1.9	32700
Check	DKC49-44RIB	99	<b>172.0</b>	10.8	56.2	1.0	33000
Channel	197-90VT2PRIB	97	<b>171.4</b>	11.1	57.4	0.3	32700
Thunder Seed	T6098 VT2P	98	<b>168.2</b>	11.5	56.3	1.6	32600
Famer Check 2	DKC51-20RIB	101	<b>167.5</b>	11.6	55.9	1.4	31200
Farmer Check 1	DKC49-44RIB	99	<b>163.3</b>	11.6	57.3	2.6	32900
<b>Trial Average</b>			170.8	11.2	56.5	1.5	32600
<b>LSD (0.05)†</b>			NS	1.1	1	1.6	600
<b>C.V.‡</b>			4.3	6.6	1.2	-	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.