



# 2020 South Dakota Corn Hybrid Trial Results Miller

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<b>Location:</b>	4 miles south and 2.5 miles west of Miller (57362) in Hand county, SD (GPS: 44.458215° -99.034032°)
<b>Cooperator:</b>	Paul Fulton
<b>Soil Type:</b>	Houdek-Prosper loams, 0-2% slopes
<b>Fertilizer:</b>	120-52-30-12S-10Z preplant + 100 lbs/acre 30-10-10 starter + 10 gal/acre 28-0-0 preemerge
<b>Yield Goal:</b>	200 bu/acre
<b>Previous crop:</b>	soybeans
<b>Tillage:</b>	no-till
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	33,000/acre
<b>Herbicide:</b>	Pre: 32 oz/acre Harness Xtra (acetochlor) + 32 oz/acre RT3 (glyphosate) + 12 oz/acre LV6 (2,4-D) + 8 oz Efficax (adjuvant), (applied with 10 gal 28% UAN) Post: 44 oz Roundup (glyphosate) + 1 qt/100 gal Bronc Max (water conditioner) + 0.5 oz/acre Guidance (drift agent)
<b>Date seeded:</b>	5/12/2020
<b>Date harvested:</b>	11/6/2020

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (100 day maturity or less) at Miller, 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	RK600VT2P	100	<b>220.1</b>	12.0	58.3	0.5	31900
Thunder Seed	T6100 VT2P	100	<b>216.3</b>	11.3	57.7	0.4	32300
Peterson Farms Seed	78G95	95	<b>214.5</b>	11.2	57.4	0.0	30500
Channel	199-60TRERIB	99	<b>212.9</b>	11.9	58.8	0.5	31300
Renk Seed	RK579DGVT2P	99	<b>212.3</b>	11.7	58.4	0.0	31700
Thunder Seed	T6098 VT2P	98	<b>212.3</b>	11.2	56.6	0.0	29500
Farmer Check 1	DKC45-94RIB	95	<b>211.0</b>	11.1	56.4	0.0	30900
Farmer Check 2	DKC47-54RIB	97	<b>209.1</b>	12.1	58.5	0.0	31300
Dairyland Seed	DS-3715AM	97	<b>206.4</b>	11.0	54.4	0.0	27500
Thunder Seed	T6999 VT2P	99	<b>205.4</b>	12.4	58.1	1.4	30300
Check	DKC49-44RIB	99	<b>204.4</b>	11.7	56.7	0.9	29900
Proseed	1896 RR	96	202.2	10.9	57.2	0.0	27900
Renk Seed	RK593VT2P	97	200.2	12.0	57.3	0.0	29600
Channel	197-90VT2PRIB	97	196.9	11.1	57.7	0.0	27600
Thunder Seed	T6996 VT2P	96	183.9	11.9	57.3	0.4	31300
Proseed	1794 VT2P	94	183.8	11.2	57.0	0.5	27800
Channel	200-67VT2PRIB	100	182.3	13.1	54.5	1.0	28500
Peterson Farms Seed	78B98	98	180.8	13.4	58.1	0.5	27800
Dairyland Seed	DS-3519AM	96	175.5	11.9	59.0	0.0	25100
Peterson Farms Seed	76Y96	96	172.3	11.3	58.6	0.5	29500
Peterson Farms Seed	72D00	100	162.9	12.4	55.3	1.0	28500
<b>Trial Average</b>			198.4	11.8	57.3	0.4	29600
<b>LSD (0.05)†</b>			17.8	1.0	1.0	1.3	1400
<b>C.V.‡</b>			5.4	5.2	1.1	-	2.9

\* 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** (101 day maturity or more) at Miller, 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	RK621VT2P	103	<b>209.0</b>	14.3	57.5	0.0	28600
Farmer Check 2	INT5280VT2PRIB	102	<b>207.7</b>	11.9	56.1	0.3	30400
Channel	203-01VT2PRIB	103	<b>200.6</b>	14.0	56.7	0.7	31100
Peterson Farms Seed	73P01	101	<b>199.4</b>	11.1	56.5	0.7	31600
Channel	203-60TRERIB	103	<b>197.5</b>	14.9	57.4	0.7	28400
Check	DKC49-44RIB	99	194.5	14.0	57.6	0.0	30100
Peterson Farms Seed	74H04	104	185.8	14.2	57.1	0.0	26200
Peterson Farms Seed	78B03	103	183.4	11.4	57.4	0.0	28200
Farmer Check 1	DKC51-91RIB	101	182.7	13.6	57.8	0.0	28000
Renk Seed	RK695GTCLLBL	102	177.8	15.0	59.2	0.0	31700
Dairyland Seed	DS-4440AM	104	168.4	15.3	58.3	0.4	29700
Dairyland Seed	DS-4329AM	103	159.6	14.5	57.6	1.0	30300
<b>Trial Average</b>			188.9	13.7	57.4	0.3	29500
<b>LSD (0.05)†</b>			11.6	1.1	0.8	1.0	1300
<b>C.V.‡</b>			4.3	5.6	0.9	-	3.0

\* 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.