



**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 Renner

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Location: 4.5 miles east of Renner in Minnehaha County, SD
43.645816°, -96.625772°

Soil Type: Moody-Nora complex, 2-6% slopes

Fertilizer: 90 lb/acre 30-10-10 starter + 124-45-50-15S preplant broadcast

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 2.5 pt/acre acetochlor + 1 qt/acre 2,4-D
Post: 3 oz/acre mesotrione + 0.5 lb/acre atrazine

Date seeded: 5/16/22

Date harvested: 10/24/22

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Table 1a. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (102 day maturity or less) at Renner, 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 Seeds	LC474-20 TRE	97	242.4	15.7	57.4	0.0	32100
Wyffels Hybrids	W2656	101	242.1	15.6	57.3	0.0	32300
Wyffels Hybrids	W2506RIB	101	240.7	16.1	57.1	0.0	32300
Dairyland Seed	DS-4219AM	102	231.6	16.2	55.7	0.0	31100
Dairyland Seed	DS-3900AM	99	230.9	15.8	58.6	0.0	30700
Thunder Seed	T6398 TRE	98	229.2	15.2	57.5	0.0	32000
Dairyland Seed	DS-3959AM	99	227.9	15.9	57.2	0.0	31600
Hoegemeyer	6941 AM	99	223.6	15.7	58.6	0.0	31200
Hoegemeyer	7028 Q	100	223.5	16.1	57.6	0.0	32000
Wyffels Hybrids	W1996	98	222.8	15.0	56.9	0.0	32000
Thunder Seed	T6300 VT2P	100	222.4	15.7	57.7	0.0	31600
Thunder Seed	T6902 VT2P	102	221.4	16.2	57.4	0.0	28300
Hoegemeyer	7138 AM	101	221.0	15.8	56.2	0.0	30900
Wyffels Hybrids	W2236RIB	100	218.8	15.6	58.2	0.0	31100
Wyffels Hybrids	W1758	97	216.5	14.5	59.3	0.0	31200
Wyffels Hybrids	W2016RIB	100	216.0	15.2	57.9	0.0	31600
Check	DKC48-95RIB	98	213.9	14.9	59.6	0.0	29700
Thunder Seed	T6999 VT2P	99	213.4	14.4	59.2	0.0	31300
Farmer Check 1	RK593VT2P	97	211.1	14.5	58.7	0.0	30200
Legacy Seeds	LC-4248 VT2P	100	210.0	15.5	57.8	0.0	30400
Farmer Check 2	LG47C73VT2RIB	97	203.5	14.5	59.3	0.0	30000
Trial Average			223.0	15.4	57.9	0.0	31100
LSD (0.05)†			12.5	0.6	0.6	-	800
C.V.‡			4.0	-	-	-	-

* 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.



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Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Late Season Trial** (103 day maturity or more) at Renner, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Wyffels Hybrids	W4025	105	262.0	18.3	55.9	0.0	31600
Wyffels Hybrids	W3576	103	250.9	17.4	55.8	0.0	32200
Legacy Seeds	LC554-21 DGVT2P	104	245.0	16.9	56.1	0.0	31700
Renk Seed	RK774VT2P	108	241.9	18.8	56.2	0.0	31400
Wyffels Hybrids	W4246RIB	105	241.9	17.4	57.5	0.0	31200
Renk Seed	RK715SSTX	105	239.9	18.3	55.6	0.0	31200
Renk Seed	RK625DGVT2P	104	239.3	17.5	55.1	0.0	31400
Dairyland Seed	DS-4567Q	105	238.5	18.5	56.7	0.0	27700
Renk Seed	RK710DGVT2P	107	237.8	17.8	56.2	0.0	29600
Hoegemeyer	7523 Q	105	233.2	18.4	57.0	0.0	29700
Farmer Check 2	LG5505VT2PRIB	105	222.5	14.7	59.4	0.0	31000
Check	DKC48-95RIB	98	217.8	15.7	59.4	0.0	29900
Farmer Check 1	LG5499RR	102	211.2	15.7	58.6	0.0	27600
Trial Average			237.1	17.3	56.9	0.0	30500
LSD (0.05)†			10.4	0.7	0.8	-	1100
C.V.‡			3.1	-	-	-	-

* 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.