



**SOUTH DAKOTA
STATE UNIVERSITY**
College of Agriculture, Food
and Environmental Sciences

South Dakota State University Extension
South Dakota Agricultural Experiment Station at SDSU

2024 South Dakota Corn Hybrid Trial Results Renner

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Location: 4.5 miles east of Renner in Minnehaha County, SD
43.641916°, -96.626468°

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

Fertilizer: 30-10-10 starter + 140-40-50 broadcast preplant

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 32 oz Helmet, 32 oz glyphosate
Post: 3 oz Bellum, 40 oz Atrazine

Date seeded: 5/16/24

Date harvested: 10/28/24

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Table 1. 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)
HOEGEMEYER	6964PCE	99	250.2	15.6	56.5	0	32017
RENK SEED	RK603VT2P	100	242.0	16.2	56.7	0	33215
HEINE HYBRIDS	6650TRERIB	98	239.2	15.2	57.5	0	32234
THUNDER SEED	T6902VT2P	102	239.2	16.0	56.7	0	32561
THUNDER SEED	T6500VT2P	100	238.3	16.0	56.6	0	32235
WYFFELS HYBRIDS	W2446RIB	100	236.9	15.6	59.4	0	33541
RENK SEED	RK609VT2P	101	233.2	15.7	58.5	0	32452
HEINE HYBRIDS	7090AA	100	232.6	17.8	58.1	0	31037
WYFFELS HYBRIDS	W2386	100	232.6	16.0	56.8	0	32017
RENK SEED	RK586VT4P	99	231.3	15.5	58.6	0.3	33541
THUNDER SEED	T8502DC	102	230.2	17.6	58.0	0	32997
HEINE HYBRIDS	7053VT2PRIB	100	229.6	16.0	56.5	0	33324
RENK SEED	RK582SSTX	98	229.1	15.5	58.0	0.3	32017
HEINE HYBRIDS	7025VT2PRIB	100	227.7	15.8	56.8	0	33324
CHECK	CHECK	98	227.6	15.6	58.8	0	32670
WYFFELS HYBRIDS	W1996RIB	98	227.2	15.8	57.1	0.5	32670
HEINE HYBRIDS	638DGV2PRIB	99	224.6	15.5	57.3	0	32561
RENK SEED	RK628VT2P	102	223.0	16.8	58.1	0	32343
WYFFELS HYBRIDS	W1869	97	221.4	14.9	58.2	0	33214
RENK SEED	RK579DGV2P	99	221.3	15.1	57.7	0	32779
THUNDER SEED	T6501AA	101	218.8	17.2	58.9	0	28859
RENK SEED	RK590VT2P	98	216.8	15.0	57.2	0	31908
RENK SEED	RK597SSPRO	99	212.7	15.5	58.2	0	32126
Trial Average			229.8	15.9	57.6	0	32419
LSD (0.05)†			17.5	0.7	0.6	-	784
C.V.‡			5.4	2.9	0.7	-	1.7

* 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.



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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)
RENK SEED	RK705VT4P	105	232.7	17.4	57.5	0	32779
HOEGEMEYER	7331V	103	232.6	16.3	58.1	0	31472
RENK SEED	RK720TRE	106	232.2	18.1	56.0	0	33541
RENK SEED	RK625DGV2P	104	229.5	16.9	56.4	0	31363
HEINE HYBRIDS	7480DGV2PRIB	104	228.8	16.9	56.3	0	32234
WYFFELS HYBRIDS	W4439RIB	106	228.6	18.0	56.4	0	32561
HEINE HYBRIDS	7511PWERIB	105	228.5	18.1	56.3	0	33106
WYFFELS HYBRIDS	W3576RIB	103	227.5	17.0	56.5	0	33433
HEINE HYBRIDS	7522PWERIB	105	225.5	19.4	56.9	0	33106
WYFFELS HYBRIDS	W3309RIB	103	225.2	17.3	57.0	0	33323
HOEGEMEYER	7591V	105	224.8	17.3	56.8	0	33542
HOEGEMEYER	7508Q	105	219.5	18.0	57.3	0	32452
CHECK	CHECK	98	219.3	16.1	58.6	0	32670
HEINE HYBRIDS	740VT2PRIB	103	205.8	16.5	57.0	0	32779
Trial Average			225.7	17.4	56.9	0	32740
LSD (0.05)†			12.6	1	0.8	-	928.8
C.V.‡			3.9	4	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.