South Dakota State University

College of Agriculture, Food and Environmental Sciences | SDSU Extension | South Dakota Agricultural Experiment Station

2025 South Dakota Corn Hybrid Trial Results - Renner

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Location: 4.5 miles east of Renner in Minnehaha County, SD, 43.642231, -96.622430
Soil type: Moody-Nora Complex, 2-6% slopes
Previous crop: Soybeans
Tillage: No-till
Row spacing: 30 inches
Seeding rate: 32,000/acre
Fertilizer: 30-10-10 Starter + 140-40-50-15s broadcast preplant
Herbicide:

- Pre: 24 oz glyphosate, 8oz Clash, 32oz StalwartC
- Post: 3 oz Bellum, 48oz Atrazine

Insecticide: None
Date seeded: 5/6/2025
Date harvested: 10/23/2025

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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)
RENK SEED	RK630TRE	102	287.1	17.3	57.0	0.8	31799
RENK SEED	RK5518TRE	97	278.4	16.3	58.5	0	32561
RENK SEED	RK6545PCE	102	273.4	16.4	57.3	0.3	31037
THUNDER SEED	T6700 PC	100	273.4	16.8	57.6	0.3	31799
JACOBSEN SEED	JS0342DGVT2P	100	270.7	17.3	56.1	0	30165
WYFFELS HYBRIDS	W2674	101	266.3	16.6	57.5	0.3	31690
THUNDER SEED	T6602 TRE	102	266.0	18.1	56.8	0	28641
DAIRYLAND	DS-4191V	101	261.4	16.9	58.9	0.3	32997
HOEGEMEYER HYBRIDS	7157 V	101	261.2	16.7	58.6	0.5	31908
RENK SEED	RK586VT4PRO	99	260.1	16.5	58.0	0	31908
THUNDER SEED	T8502 DC	102	260.0	17.3	58.1	2.5	32997
WYFFELS HYBRIDS	W2557	101	259.4	16.1	56.3	0.8	32452
HOEGEMEYER HYBRIDS	6965 V	99	257.8	16.2	56.4	0	31254
RENK SEED	RK6555VT4PRO	102	257.2	16.1	56.1	1.5	32561
MUSTANG SEEDS	44G97 VT4P RIB	97	256.0	16.0	56.8	0	32670
THUNDER SEED	T6902 VT2P	102	250.8	16.7	56.5	0	32997
MUSTANG SEEDS	49H98 SS PRO RIB	98	250.2	16.1	57.7	0	32017
RENK SEED	RK582SSTX	98	249.0	16.2	57.1	0	32779
MUSTANG SEEDS	45N98 PCE RA	98	246.5	16.1	57.2	0.3	31472
RENK SEED	RK583PCE	99	243.0	16.3	58.2	0	31908
RENK SEED	RK579DGVT2P	99	238.8	16.1	57.9	0.5	31799
Trial Average#			260.4	16.6	57.6	-	31902
LSD (0.05)†			13.4	0.4	0.4	-	1453
C.V. %‡			3.6	1.9	0.6	-	3.2

* 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.

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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	W4487	106	286.3	17.9	58.2	0.3	33650
MUSTANG SEEDS	69Z08 SS PRO RIB	108	280.6	19.8	57.2	0	32343
DAIRYLAND	DS-4973V	109	279.2	18.9	57.2	0	31799
RENK SEED	RK705VT4PRO	105	279.1	17.6	58.0	0	31799
DAIRYLAND	DS-4488PCE	104	275.8	17.2	56.9	0	32126
RENK SEED	RK625DGVT2P	104	275.0	17.9	56.1	0	31690
HOEGEMEYER HYBRIDS	7486 V	104	271.1	17.8	57.3	0	31037
HOEGEMEYER HYBRIDS	7591 V	105	270.6	17.9	58.0	0	32234
MUSTANG SEEDS	54H03 VT4P RIB	103	268.3	17.0	58.1	0	33323
RENK SEED	RK7577TRE	104	267.1	16.7	57.2	0.3	32670
WYFFELS HYBRIDS	W3309RIB	103	265.5	17.0	57.2	0	32561
WYFFELS HYBRIDS	W4514	106	265.2	17.8	57.2	0.3	31254
WYFFELS HYBRIDS	W3654	104	254.9	17.1	58.1	0.5	31690
Trial Average#			272.1	17.6	57.4	-	32219
LSD (0.05)†			10.4	0.4	0.4	-	1383
C.V. %‡			2.7	1.7	0.5	-	3

* 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.