



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

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

2023 South Dakota Corn Hybrid Trial Results Renner

Jonathan Kleinjan | SDSU Extension Agronomist
Kevin Kirby | Agricultural Research Manager
Shawn Hawks | Agricultural Research Manager

Location: 4.5 miles east of Renner in Minnehaha County, SD
43.645959°, -96.627758°

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

Fertilizer: 27-9-9 starter + 134-40-50-15S preplant broadcast

Previous crop: soybeans

Tillage: no-till

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 1 qt/acre Dual II Magnum + 1 pt/acre Atrazine 4L + 8 oz/acre Clash
Post: 3 oz/acre Calleron + 24 oz/acre glyphosate

Date seeded: 5/4/23

Date harvested: 11/6/23



2023 South Dakota Corn Hybrid Trial Results Renner

SOUTH DAKOTA STATE UNIVERSITY EXTENSION

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)
Wyffels Hybrids	W2656RIB	101	202.7	17.2	57.1	0.0	32300
Renk Seed	RK600VT2P	100	197.4	16.9	57.9	0.0	31000
Dairyland Seed	DS-4003Q	100	196.8	16.4	59.3	0.0	32300
Hoegemeyer	6963 AM	99	196.2	16.2	58.1	0.0	31700
Renk Seed	RK628VT2P	102	194.0	16.9	57.4	0.0	32500
Wyffels Hybrids	W1996RIB	98	192.1	16.7	55.9	0.3	32500
Hoegemeyer	7094 Q	100	191.6	16.2	59.3	0.0	32900
Legacy Seeds	LC512-22 VT2P	101	191.4	16.7	57.7	0.0	32900
Dairyland Seed	DS-4219AM	102	190.8	17.8	55.9	0.0	32700
Farmer Check 2	LG45C21	95	188.1	17.0	57.5	0.0	32500
Renk Seed	RK590VT2P	98	187.8	16.6	55.8	0.0	32300
Dairyland Seed	DS-3881AM	98	187.0	16.3	58.7	0.0	31200
Thunder Seed	T6300 VT2P	100	186.0	16.8	56.7	0.0	31900
Thunder Seed	T6902 VT2P	102	185.4	17.4	56.3	0.0	32900
Renk Seed	RK609VT2P	101	185.0	17.0	58.0	0.0	31200
Dairyland Seed	DS-3601AM	96	184.0	16.7	57.1	0.0	32300
Hoegemeyer	6941 AM	99	181.7	17.2	57.4	0.3	33100
Legacy Seeds	LC494-23 PWE	99	181.5	17.0	56.9	0.3	31900
Wyffels Hybrids	W1826	97	180.9	16.7	56.6	0.0	33100
Renk Seed	RK597SSPRO	99	175.3	16.4	56.3	0.0	32700
Hoegemeyer	7138 AM	101	175.2	17.9	56.2	0.0	32500
Renk Seed	RK582SSTX	98	174.4	16.4	56.0	0.0	32100
Renk Seed	RK60XPWE	101	173.7	16.8	56.3	0.0	32900
Renk Seed	RK579DGV2P	99	171.8	16.6	57.0	0.0	32900
Check	DKC48-95RIB	98	171.0	16.8	59.0	0.0	32500
Legacy Seeds	LC492-22 VT2P	99	169.8	16.5	55.9	0.0	32500
Farmer Check 1	RK485DGV2P	94	165.5	16.2	59.0	0.3	32300
Trial Average			184.3	16.8	57.2	0.0	32400
LSD (0.05)†			14.7	0.5	0.6	-	1700
C.V.‡			5.7	-	-	-	-

* 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.



2023 South Dakota Corn Hybrid Trial Results Renner

SOUTH DAKOTA STATE UNIVERSITY EXTENSION

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	RK707TRE	105	230.2	17.7	55.8	0.0	32300
Dairyland Seed	DS-4365AM	103	227.6	17.6	58.2	0.0	32700
Renk Seed	RK703PWE	106	223.1	17.7	58.2	0.0	32700
Renk Seed	RK625DGV2P	104	214.0	17.1	56.5	0.0	32500
Wyffels Hybrids	W3286	103	213.5	16.9	57.8	0.0	32900
Renk Seed	RK69XPWE	106	212.5	17.5	57.4	0.0	32900
Hoegemeyer	7681 AML	106	210.7	18.7	56.0	0.0	32900
Thunder Seed	T6405 TRE	105	209.7	17.5	57.5	0.0	33100
Dairyland Seed	DS-4567Q	105	208.7	17.2	58.6	0.0	32900
Renk Seed	RK720TRE	106	206.9	17.5	55.3	0.0	32700
Legacy Seeds	LC534-23 TRE	103	205.2	16.7	57.1	0.0	32700
Wyffels Hybrids	W4025RIB	105	203.6	18.2	56.4	0.0	32700
Legacy Seeds	LC544-22 PWE	104	198.3	17.5	57.3	0.0	32900
Thunder Seed	T6204 VT2P	104	196.3	17.8	56.4	0.0	31700
Farmer Check 2	RK609VT2P	101	193.0	17.2	57.9	0.0	32300
Check	DKC48-95RIB	98	184.8	16.5	59.1	0.0	32500
Farmer Check 1	RK561DGV2P	95	182.3	16.7	57.6	0.0	32700
Wyffels Hybrids	W3576RIB	103	181.3	17.5	56.7	0.0	30400
Trial Average			205.6	14.4	57.2	0.0	32500
LSD (0.05)†			14.4	0.7	0.6	-	1500
C.V.‡			4.9	-	-	-	-

* 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.