



**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 Brookings

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<b>Location:</b>	2.5 miles north of Brookings, SD 44.362509°, -96.790448°
<b>Cooperator:</b>	SDSU Felt Family Research Farm
<b>Soil Type:</b>	Vienna-Brookings complex, 0-2% slopes
<b>Fertilizer:</b>	30-10-10 starter + 150-60-40-12S broadcast preplant
<b>Previous crop:</b>	spring wheat
<b>Tillage:</b>	conventional
<b>Row spacing:</b>	30 inches
<b>Seeding Rate:</b>	32,000/acre
<b>Herbicide:</b>	Pre: 29 oz Staunch II, 32 oz Cornerstone 5 plus Post: 3 oz Callisto, 30 oz Roundup Powermax 3
<b>Date seeded:</b>	5/17/24
<b>Date harvested:</b>	10/27/24

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## 2024 South Dakota Corn Hybrid Trial Results Brookings

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Table 1a. Glyphosate-resistant corn hybrid performance results (average of 4 replications - Early Season Trial (100 day maturity or less) at Brookings, 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	RK603VT2P	100	282.3	21.9	54.0	0	32779
RENK SEED	RK561DGV2P	95	281.3	19.1	57.1	0	33106
WYFFELS HYBRIDS	W2386	100	281.2	21.0	54.6	0	33541
WYFFELS HYBRIDS	W1996RIB	98	280.7	20.3	55.7	0	33433
HOEGEMEYER	6965V	99	278.7	18.9	55.4	0	33650
WYFFELS HYBRIDS	W2506RIB	94	271.5	20.8	55.7	0	33106
WYFFELS HYBRIDS	W2446RIB	100	269.3	20.3	57.0	0	33106
THUNDER SEED	T6500VT2P	100	268.5	21.6	54.2	0	33868
WYFFELS HYBRIDS	W1869	97	268.4	19.5	56.9	0	33650
PETERSON FARMS SEED	75T99	99	268.3	19.4	56.9	0	33215
HOEGEMEYER	6716V	97	268.0	19.2	56.6	0	33432
LEGACY SEEDS	LC465-23PCERA	96	266.7	19.9	56.6	0	33324
HEINE HYBRIDS	6215VT2PRIB	97	264.3	20.2	55.4	0	32670
THUNDER SEED	T6498PC	98	264.3	19.9	56.7	0	32125
RENK SEED	RK579DGV2P	99	263.5	19.9	56.8	0	33542
RENK SEED	RK582SSTX	98	262.9	19.6	56.4	0	32343
HEINE HYBRIDS	7053VT2PRIB	100	262.6	21.4	54.5	0	32997
RENK SEED	RK586VT4P	99	262.6	19.9	56.6	0	33215
LEGACY SEEDS	LC474-23PCERA	97	262.4	20.3	55.8	0	33324
HEINE HYBRIDS	6650TRERIB	98	262.1	19.4	56.4	0	33541
HEINE HYBRIDS	7025VT2PRIB	100	262.1	21.2	55.2	0	33433
PETERSON FARMS SEED	74A97	97	261.2	19.6	56.7	0	33106
JACOBSEN SEED	JS9904SS	99	260.9	19.3	56.9	0	32888
THUNDER SEED	T6999VT2P	100	260.2	18.7	57.7	0	33542
RENK SEED	RK590VT2P	98	259.0	19.7	55.6	0	33215
HEINE HYBRIDS	638DGV2PRIB	99	257.4	21.5	54.8	0	33650
HEINE HYBRIDS	7090AA	100	256.7	22.6	55.6	0	33432
HEINE HYBRIDS	6760TRERIB	97	255.2	19.9	56.4	0	33323
RENK SEED	RK571PCE	96	254.4	20.1	56.4	0	30601
JACOBSEN SEED	JS0063VT4P	100	254.1	21.3	55.9	0	32452
LEGACY SEEDS	LC471-23TRE	97	253.6	19.7	56.5	0	33324
WYFFELS HYBRIDS	W1826RIB	96	253.6	20.1	56.0	0	32670
<b>Trial Average</b>			261.8	20.1	56.2	-	33030
<b>LSD (0.05)†</b>			12.4	0.7	0.5	-	1010
<b>C.V.‡</b>			3.4	2.6	0.6	-	2.2

\* 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.



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Table 1b. Glyphosate-resistant corn hybrid performance results, continued (average of 4 replications - Early Season Trial (100 day maturity or less) at Brookings, SD.

Hybrid Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
PETERSON FARMS SEED	71R95	95	252.6	18.6	58.5	0	32779
RENK SEED	RK597SSPRO	99	251.8	19.5	56.9	0	32888
CHECK	CHECK	98	251.3	20.1	57.1	0	32344
AG PERFORMANCE	AP1000LLGTCB	100	251.1	20.5	57.5	0	32343
RENK SEED	RK519VT4P	95	246.2	18.9	57.3	0	33541
THUNDER SEED	T8598SS	98	243.0	20.1	57.6	0	33868
JACOBSEN SEED	JS9711V2TP	97	236.1	21.3	55.5	0	30819
Trial Average			261.8	20.1	56.2	-	33030
LSD (0.05)†			12.4	0.7	0.5	-	1010
C.V.‡			3.4	2.6	0.6	-	2.2

\* 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.



## 2024 South Dakota Corn Hybrid Trial Results Brookings

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Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications - Late Season Trial (101 day maturity or more) at Brookings, 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	W3576RIB	103	297.9	22.0	53.0	0	32997
WYFFELS HYBRIDS	W4439RIB	106	294.6	22.7	54.5	0	33433
JACOBSEN SEED	JS0414PCE	104	284.0	22.9	53.5	0	32779
RENK SEED	RK625DGVT2P	104	283.5	21.1	55.0	0	32344
JACOBSEN SEED	JS0342DGVT2P	103	283.3	21.5	54.5	0	33215
HEINE HYBRIDS	740VT2PRIB	103	280.9	21.3	55.6	0	33215
HOEGEMEYER	7329AM	103	278.8	20.6	56.3	0	33106
WYFFELS HYBRIDS	W3309RIB	103	278.5	22.8	53.7	0	32779
LEGACY SEEDS	LC534-23TRERIB	103	277.1	21.4	55.3	0	32779
THUNDER SEED	T6902VT2P	102	275.6	20.9	55.9	0	33759
HEINE HYBRIDS	7480DGVT2PRIB	104	274.8	22.0	54.1	0	31690
THUNDER SEED	T8502DC	102	273.7	23.3	54.3	0	33868
HEINE HYBRIDS	7511PWERIB	105	271.5	23.6	53.6	0	32017
HEINE HYBRIDS	7522PWERIB	105	270.9	24.6	53.6	0	31799
RENK SEED	RK628VT2P	102	268.2	22.1	54.3	0	31363
JACOBSEN SEED	JS0223VT2P	102	268.0	22.7	54.3	0	32670
LEGACY SEEDS	LC523-24D	102	265.0	23.0	54.5	0	33215
RENK SEED	RK609VT2P	101	262.3	23.4	53.5	0	32452
CHECK	CHECK	98	250.2	20.4	56.4	0	32779
THUNDER SEED	T6501AA	101	250.2	22.8	54.7	0	31363
Trial Average			274.4	22.2	54.5	-	32681
LSD (0.05)†			16.2	0.9	0.6	-	857
C.V.‡			4.2	2.9	0.7	-	1.9

\* 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.