



**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 Brookings

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**Location:** 2.5 miles north of Brookings in Brookings County, SD  
44.362560°, -96.790249°

**Cooperator:** South Dakota State University Volga Research Farm

**Soil Type:** Kranzburg-Brookings silty clay loams 0-2% slopes

**Fertilizer:** 90 lb/acre 30-10-10 starter + 67-46-0-24S preplant broadcast + 18-40-110 feedlot manure

**Previous crop:** spring wheat

**Tillage:** conventional

**Row spacing:** 30 inches

**Seeding Rate:** 33,500/acre

**Herbicide:** Pre: 2.25 pt/acre Harness  
Post: 1 qt/acre Roundup PowerMax

**Date seeded:** 5/6/22

**Date harvested:** 10/20/22

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## 2022 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)
Wyffels Hybrids	W1758	97	<b>295.4</b>	15.5	58.9	0.0	32100
Wyffels Hybrids	W1996	98	<b>292.8</b>	16.3	56.9	0.0	31600
Farmer Check 2	P9955Q	99	<b>289.7</b>	16.4	59.3	0.0	31200
Dairyland Seed	DS-3727AM	97	<b>289.1</b>	15.8	58.7	0.0	31600
Channel	199-60TRERIB	99	<b>288.6</b>	15.9	57.7	0.0	31400
Dairyland Seed	DS-3959AM	99	285.4	16.4	56.9	0.0	31900
Renk Seed	RK600VT2P	100	285.1	16.3	57.6	0.0	31300
Thunder Seed	T6298 VT2P	98	284.5	15.2	57.8	0.0	31400
Legacy Seeds	LC474-20 TRE	97	283.6	15.6	57.5	0.0	30800
Jacobsen Seed	JS7095VT2 PRO	95	282.4	16.0	59.1	0.0	31800
Thunder Seed	T6398 TRE	98	281.2	15.9	57.4	0.0	29700
Hoegemeyer	7028 Q	100	280.6	16.8	57.2	0.0	29100
Thunder Seed	T6300 VT2P	100	279.8	16.7	57.7	0.0	32100
Hoegemeyer	6941 AM	99	279.4	16.8	58.3	0.0	30300
Proseed	2196 VT2PRIB	96	278.9	15.6	57.4	0.0	30000
Farmer Check 1	P9624Q	96	278.4	15.1	58.2	0.0	31200
Jacobsen Seed	JS7001VT2 PRO	98	278.4	14.4	59.1	0.0	30800
Legacy Seeds	LC-4248 VT2P	100	278.3	16.2	57.5	0.0	29600
Jacobsen Seed	JS8053TRE	98	277.4	15.7	57.5	0.0	30000
Wyffels Hybrids	W2016RIB	100	277.3	16.3	57.2	0.0	31200
Jacobsen Seed	JS7046VT2 PRO	96	276.7	16.2	57.2	0.0	29400
Proseed	2398 TRE	98	275.4	16.1	57.3	0.0	28900
Dairyland Seed	DS-3900AM	99	275.3	16.6	58.4	0.0	29600
Dairyland Seed	DS-3601AM	96	274.7	14.4	58.0	0.0	30200
Federal Hybrids	4580 VT2P	95	274.5	16.1	58.8	0.0	30800
Renk Seed	RK579DGVT2P	99	274.5	16.5	58.4	0.0	30900
Thunder Seed	T6999 VT2P	99	269.7	15.1	58.7	0.0	30700
Channel	195-85DGVT2PRIB	95	269.2	15.4	58.0	0.0	31100
Check	DKC48-95RIB	98	268.8	15.6	59.0	0.0	28800
Proseed	2392 VT2PRIB	92	266.8	14.1	60.3	0.0	31000
Hoegemeyer	6775 Q	97	266.4	15.6	58.7	0.0	28800
Federal Hybrids	4999 VT2P	99	266.4	14.8	59.1	0.0	31200
<b>Trial Average</b>			274.0	15.7	58.3	0.0	30600
<b>LSD (0.05)†</b>			7.3	0.6	0.6	-	1700
<b>C.V.‡</b>			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.



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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)
Wyffels Hybrids	W2236RIB	100	264.9	16.7	57.7	0.0	30700
Thunder Seed	T6397 AA	97	263.7	15.5	58.3	0.0	31600
Jacobsen Seed	JS5044DGVT2PRO	95	263.5	14.0	60.2	0.0	32000
Federal Hybrids	4520 DGVT2P	95	259.7	14.4	60.3	0.0	30400
Jacobsen Seed	JS7047VT2 PRO	97	258.9	16.6	58.3	0.0	30700
Jacobsen Seed	JS7045VT2 PRO	95	258.4	14.7	59.8	0.0	29000
Wyffels Hybrids	W1306	93	252.4	15.2	57.7	0.0	30000
Jacobsen Seed	JS9049SS	98	245.2	14.9	59.8	0.0	29300
Jacobsen Seed	JS7096VT2 PRO	95	242.3	14.9	59.1	0.0	29100
<b>Trial Average</b>			274.0	15.7	58.3	0.0	30600
<b>LSD (0.05)†</b>			7.3	0.6	0.6	-	1700
<b>C.V.‡</b>			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.



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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	W4025	105	<b>299.7</b>	18.6	56.7	0.0	30900
Legacy Seeds	LC554-21 DGVT2P	104	<b>297.9</b>	16.4	57.1	0.0	31300
Hoegemeyer	7138 AM	101	<b>295.3</b>	16.7	56.6	0.0	32200
Wyffels Hybrids	W4246RIB	105	<b>294.3</b>	17.7	58.1	0.0	32400
Wyffels Hybrids	W3576	103	290.0	16.5	56.3	0.0	30300
Wyffels Hybrids	W2656	101	288.9	16.2	57.0	0.0	32100
Renk Seed	RK625DGVT2P	104	288.6	16.0	57.1	0.0	31900
Farmer Check 2	P0404Q	104	287.5	17.8	57.3	0.0	32100
Dairyland Seed	DS-4219AM	102	281.7	16.8	56.5	0.0	32300
Wyffels Hybrids	W2506RIB	101	279.4	16.5	57.4	0.0	32200
Dairyland Seed	DS-4310AM	103	277.8	17.5	57.7	0.0	29900
Farmer Check 1	P0075Q	100	272.6	16.6	57.2	0.0	31000
Check	DKC48-95RIB	98	271.2	15.4	59.3	0.0	29400
Renk Seed	RK609VT2P	101	271.1	16.4	58.1	0.0	31600
Dairyland Seed	DS-4567Q	105	262.9	18.2	57.4	0.0	29700
<b>Trial Average</b>			283.9	16.9	57.3	0.0	31300
<b>LSD (0.05)†</b>			7.6	0.6	0.4	-	1200
<b>C.V.‡</b>			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.