



**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 Brookings

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Location: SDSU Campus - Brookings, SD
44.320784°, -96.771318°

Cooperator: South Dakota State University Research Farm

Soil Type: Barnes clay loam, 0-2% slopes

Fertilizer: 27-9-9 starter + 134-70-50-24S preplant broadcast

Previous crop: winter wheat

Tillage: conventional

Row spacing: 30 inches

Seeding Rate: 32,000/acre

Herbicide: Pre: 2.25 pt/acre Fearless
Post: 3 oz/acre Bellum + 1 pt/acre Atrazine + 1 qt/acre Roundup

Date seeded: 5/3/23

Date harvested: 11/4/23

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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)
Hoegemeyer	6963 AM	99	246.0	16.5	57.5	5.6	32500
Dairyland Seed	DS-3881AM	98	245.3	16.3	57.5	12.5	33100
Dairyland Seed	DS-4003Q	100	242.7	16.3	58.5	1.0	32900
Hoegemeyer	6715 AM	97	237.4	16.7	56.7	14.2	32900
Renk Seed	RK590VT2P	98	234.5	16.4	56.1	1.0	32900
Channel	200-42VT2PRIB	100	234.1	17.6	58.1	1.9	33100
Legacy Seeds	LC492-22 VT2P	99	233.3	16.8	56.0	5.9	32900
Peterson Farms Seed	74A97	97	232.5	16.7	57.7	3.8	33100
Hoegemeyer	7094 Q	100	231.5	16.3	58.7	1.0	33100
Legacy Seeds	LC454-22 VT2P	94	231.1	16.2	58.9	8.8	32700
Renk Seed	RK582SSTX	98	231.0	16.4	56.5	2.0	32500
Peterson Farms Seed	78P98	98	230.2	16.8	57.2	6.5	32700
Thunder Seed	T6497 TRE	97	229.7	16.8	57.6	0.6	32500
Renk Seed	RK579DGV2P	99	229.1	16.6	58.2	0.3	32900
Ag Performance	AP1000LLGTCB	100	229.0	17.0	57.9	5.8	32900
Wyffels Hybrids	W1826	97	228.9	16.7	56.8	4.6	32300
Jacobsen Seed	JS9723TRE	97	228.9	16.7	57.6	0.7	32700
Jacobsen Seed	JS0083VT2P	100	227.3	17.5	56.9	72.6	32500
Renk Seed	RK561DGV2P	95	226.9	16.4	58.2	5.2	32500
Farmer Check 2	P9823Q	98	226.5	16.6	57.0	17.2	32700
Jacobsen Seed	JS9902VT2P	99	225.2	16.4	59.0	6.1	32900
Thunder Seed	T6298 VT2P	98	225.1	16.7	57.4	20.2	32700
Wyffels Hybrids	W1996RIB	98	224.8	16.9	57.0	2.0	32700
Renk Seed	RK600VT2P	100	223.9	17.3	57.7	5.8	33100
Legacy Seeds	LC494-23 PWE	99	223.5	17.9	54.7	18.5	32700
Peterson Farms Seed	75T99	99	223.4	16.6	57.2	16.6	32700
Hoegemeyer	6941 AM	99	223.4	17.0	58.4	15.9	32700
Renk Seed	RK597SSPRO	99	222.0	16.2	57.8	0.6	32900
Check	DKC48-95RIB	98	221.2	17.0	59.0	7.2	32700
Peterson Farms Seed	71R95	95	217.6	16.5	59.5	2.3	32900
Jacobsen Seed	JS9542VT2P	95	217.3	16.5	59.8	0.6	32900
Jacobsen Seed	JS0063VT4	100	215.3	17.2	57.0	10.8	32500
Trial Average			225.9	16.7	57.5	9.3	32800
LSD (0.05)†			11.1	0.4	1.2	-	700
C.V.‡			3.5	-	-	-	-

* 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)
Thunder Seed	T6300 VT2P	100	212.1	17.1	57.6	20.0	32500
Dairyland Seed	DS-3601AM	96	211.4	17.0	56.8	28.0	32500
Thunder Seed	T6498 PC	98	208.7	16.5	56.1	9.6	32500
Peterson Farms Seed	85X98	98	203.6	16.1	58.7	1.0	32700
Renk Seed	RK571PWE	96	202.1	16.6	56.3	8.9	32100
Trial Average			225.9	16.7	57.5	9.3	32800
LSD (0.05)†			11.1	0.4	1.2	-	700
C.V.‡			3.5	-	-	-	-
<p>* Lodging percentage - stalks broken below the ear as a percentage of the final stand.</p> <p>† Yield or moisture value required (\geqLSD) to determine if varieties are significantly different from one another.</p> <p>‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.</p>							



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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	W3286	103	246.7	16.9	57.5	0.0	32700
Jacobsend Seed	JS0223VT2P	102	240.3	17.1	57.6	0.0	32500
Dairyland Seed	DS-4219AM	102	239.1	17.9	55.1	2.6	32700
Legacy Seeds	LC544-22 PWE	104	238.5	17.3	57.0	25.0	32700
Farmer Check 2	P0404Q	104	237.1	16.8	57.5	12.2	33100
Dairyland Seed	DS-4365AM	103	236.5	16.7	58.8	6.4	33100
Thunder Seed	T6902 VT2P	102	236.5	17.5	56.9	7.1	32700
Renk Seed	RK628VT2P	102	235.4	16.5	58.4	0.3	32500
Legacy Seeds	LC534-23 TRE	103	235.0	17.2	58.0	5.9	32300
Wyffels Hybrids	W3576RIB	103	232.2	17.3	56.1	17.5	32700
Farmer Check 1	P0075Q	101	230.4	16.3	57.5	13.7	32500
Check	DKC48-95RIB	98	228.8	17.0	59.2	0.3	32500
Dairyland Seed	DS-4567Q	105	226.1	16.9	58.3	8.2	32500
Hoegemeyer	7138 AM	101	225.5	17.6	55.6	8.3	32300
Wyffels Hybrids	W4025RIB	105	222.3	19.1	56.5	9.2	32300
Renk Seed	RK609VT2P	101	218.7	17.7	58.4	1.0	32500
Wyffels Hybrids	W2656RIB	101	213.3	17.7	57.0	14.1	33100
Renk Seed	RK625DGVT2P	104	212.3	17.9	56.6	77.0	32300
Thunder Seed	T6204 VT2P	104	209.5	17.2	56.5	54.0	32100
Renk Seed	RK60XPWE	101	207.2	18.3	55.9	67.4	32300
Legacy Seeds	LC512-22 VT2P	101	206.0	17.6	57.1	18.4	32500
Trial Average			227.5	17.3	57.2	16.6	32600
LSD (0.05)†			14.7	0.6	0.8	-	1100
C.V.‡			4.6	-	-	-	-

* 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.