



2020 South Dakota Corn Hybrid Trial Results Brookings

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Location:	6.5 miles north of Brookings (57006) in Brookings County, SD GPS: 44.420341°, -96.788266°
Cooperator:	SDSU Research Farm - Jack Ingemansen, manager
Soil Type:	Kranzburg-Brookings silty clay loams, 0-2% slope
Fertilizer:	100 lb/acre 30-10-10 starter + 160-40-40-6S preplant
Yield Goal:	200 bu/acre
Previous crop:	soybeans
Tillage:	conventional
Row spacing:	30 inches
Seeding Rate:	33,500/acre
Herbicide:	Pre: 2.5 pt/acre Volley NXT (acetochlor) Post: 32 oz/acre Roundup Powermax (glyphosate)
Date seeded:	4/30/20
Date harvested:	11/7/20

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)
Channel	199-60TRERIB	99	241.6	12.8	58.9	0.0	32200
Wyffels Hybrids	W2196RIB	99	239.7	12.8	59.2	0.0	32200
Thunder Seed	T6100 VT2P	100	238.1	12.3	59.0	0.0	32000
AgriGold	A629-12VT2RIB	99	236.5	12.5	60.3	0.0	31700
Channel	200-67VT2PRIB	100	235.8	14.0	59.1	0.0	31000
Federal Hybrids	4185 VT2P RIB	91	234.4	11.8	58.3	0.0	32000
Proseed	1896 RR	96	232.8	12.8	59.0	0.0	30500
Thunder Seed	T6098 VT2P	98	232.7	13.0	59.3	0.0	30700
Farmer Check 1	P9492AM	94	231.3	11.9	59.2	0.0	31400
Proseed	1794 VT2P	94	231.2	12.8	59.3	0.0	31900
Dairyland Seed	DS-4014Q	100	230.9	14.4	58.3	0.0	30900
Check	DKC49-44RIB	99	230.2	14.4	59.3	0.0	32400
Wyffels Hybrids	W1636RIB	96	230.0	12.2	58.3	0.0	30800
Renk Seed	RK593VT2P	97	229.5	13.1	59.1	0.0	31300
AgriGold	A630-10STX	100	229.5	13.3	58.4	0.0	31600
Hoegemeyer	HPT 6850 AM	98	229.4	14.5	60.9	0.0	32700
Federal Hybrids	4990 VT2P RIB	99	228.2	14.4	60.4	0.0	31800
Dairyland Seed	DS-3550AM	95	227.4	12.6	58.6	0.0	31800
Hoegemeyer	HPT 6117 Q	91	227.2	12.3	60.0	0.0	31800
Renk Seed	RK579DGV2P	99	226.9	12.6	58.2	0.0	31100
Federal Hybrids	4300 VT2P RIB	93	226.5	12.8	59.3	0.0	31300
Wyffels Hybrids	W2236RIB	99	226.4	13.5	58.5	0.0	29400
Renk Seed	RK600VT2P	100	226.0	13.0	58.7	0.0	31700
Peterson Farms Seed	72D00	100	226.0	13.0	59.0	0.0	29500
Peterson Farms Seed	76Y96	96	226.0	12.9	60.0	0.0	31200
Trial Average			228.2	13.0	59.2	0.0	31300
LSD (0.05)†			10.0	0.9	0.8	0.2	1000
C.V.‡			3.2	4.8	1.0	--	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.

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	W1546	96	225.6	12.4	59.5	0.0	31200
Channel	197-90VT2PRIB	97	225.3	12.7	60.2	0.0	31200
Thunder Seed	T6996 VT2P	96	225.3	13.3	59.5	0.0	32400
Thunder Seed	T6999 VT2P	99	225.2	12.3	59.0	0.0	31600
Farmer Check 2	P9772AM	97	225.1	12.7	59.1	0.0	31400
Peterson Farms Seed	78B98	98	223.9	13.8	58.7	0.0	30500
Federal Hybrids	4800 VT2P RIB	98	222.7	12.4	60.1	0.0	32400
Hoegemeyer	HPT 6894 Q	98	222.3	13.7	58.6	0.0	28000
Federal Hybrids	4400 VT2P RIB	94	221.7	12.8	60.3	0.0	31100
Hoegemeyer	HPT 6335 Q	93	221.5	12.4	59.4	0.3	31200
Federal Hybrids	4580 VT2P RIB	95	221.3	13.1	59.8	0.0	30600
Hoegemeyer	HPT 6560 Q	95	220.4	12.6	57.6	0.0	28200
AgriGold	A628-16VT2RIB	98	218.4	13.5	60.5	0.3	32700
Trial Average			228.2	13.0	59.2	0.0	31300
LSD (0.05)†			10.0	0.9	0.8	0.2	1000
C.V.‡			3.2	4.8	1.0	-	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.

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)
Thunder Seed	T6004 VT2P	104	242.1	14.8	59.6	0.0	30600
Hoegemeyer	HPT 7402 AM	104	240.1	15.3	60.7	0.0	30000
Thunder Seed	T6905 VT2P	105	238.9	15.0	59.5	0.0	29300
Dairyland Seed	DS-4310AM	103	238.6	15.5	60.8	0.0	28800
Hoegemeyer	HPT 7159 Q	101	238.0	14.2	58.3	0.0	30600
Thunder Seed	T6902 VT2P	102	237.4	14.2	59.5	0.0	30400
Farmer Check 2	P0306Q	103	236.7	15.1	60.3	0.3	31600
Dairyland Seed	DS-4440AM	104	235.7	15.5	60.7	0.0	31700
Wyffels Hybrids	W2506RIB	101	233.2	13.6	59.2	0.0	30500
Farmer Check 1	P0157AMXT	101	231.9	14.8	60.9	0.0	30300
Peterson Farms Seed	73P01	101	228.7	12.4	58.3	0.0	31000
Renk Seed	RK621VT2P	103	228.2	15.1	59.8	0.0	29400
Check	DKC49-44RIB	99	227.1	14.3	59.0	0.0	30800
Hoegemeyer	HPT 7209 AM	102	227.0	14.1	59.1	0.0	30900
Dairyland Seed	DS-4580Q	105	222.5	14.9	61.5	0.0	31700
Hoegemeyer	HPT 7692 Q	106	220.1	16.2	59.3	0.0	30400
Renk Seed	RK695GTCLLBL	102	214.5	14.6	60.7	0.0	31400
Trial Average			231.8	14.7	59.8	0.0	30500
LSD (0.05)†			9.2	0.5	0.9	0.2	900
C.V.‡			2.8	2.6	1.0	-	2.1

* 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.