



2020 South Dakota Corn Hybrid Trial Results South Shore

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Location:	8.5 miles west of South Shore (57263) in Codington County, SD (GPS:45.106798°, -97.100103°)
Cooperator:	SDSU Northeast Research Farm - Allen Heuer, manager
Soil Type:	Kranzburg-Brookings silty clay loams, 0-2% slope
Fertilizer:	100 lb/acre 30-10-10 starter + 200-0-100 broadcast preplant
Yield Goal:	200 bu/acre
Previous crop:	soybeans
Tillage:	conventional
Row spacing:	30 inches
Seeding Rate:	33,000/acre
Herbicide:	Pre: 1.6 qt/acre Harness Xtra (acetochlor + atrazine) Post: none
Date seeded:	5/1/2020
Date harvested:	11/2/2020

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (95 day maturity or less) at South Shore, 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	RK561DGVT2P	95	248.7	18.8	59.5	0.0	31200
Channel	194-49DGVT2PRIB	94	238.7	17.8	60.3	0.0	31700
Federal Hybrids	4300 VT2P RIB	93	238.6	18.3	60.7	0.0	31200
Federal Hybrids	4130 VT2P RIB	91	238.1	15.7	58.0	0.3	32200
Federal Hybrids	4440 VT2P RIB	94	238.1	17.9	58.9	0.0	31200
Check	DKC49-44RIB	99	236.2	19.5	59.6	0.0	31900
Farmer Check 2	NK9175-3110A	91	235.5	17.6	58.5	0.7	32200
Federal Hybrids	4190 VT2P RIB	91	235.3	16.4	59.7	0.0	31700
Channel	195-85DGVT2PRIB	95	233.1	17.4	59.7	0.0	31200
Farmer Check 1	2291 VT2P RIB	91	232.4	15.9	60.5	0.0	30900
Federal Hybrids	4185 VT2P RIB	91	232.2	16.5	59.6	0.0	30800
Dairyland Seed	DS-3550AM	95	232.2	17.9	58.3	0.0	31300
Federal Hybrids	4580 VT2P RIB	95	231.4	17.5	60.2	0.0	30600
Dairyland Seed	DS-3193AM	91	229.9	16.2	58.9	0.3	31000
Dairyland Seed	DS-3345AM	93	228.4	16.3	61.4	0.0	31400
Thunder Seed	T6791 VT2P	91	228.4	16.3	59.9	0.0	30000
Peterson Farms Seed	78G95	95	227.1	17.6	57.8	0.0	31400
Dairyland Seed	DS-3162Q	91	227.0	15.1	59.8	0.0	31600
Renk Seed	RK499VT2P	94	225.6	16.3	59.7	0.0	30600
Renk Seed	RK433VT2P	92	225.1	17.7	60.8	0.0	30600
Thunder Seed	T6993 VT2P	93	223.6	17.2	60.9	0.3	31300
Federal Hybrids	4470 VT2P RIB	94	223.2	17.7	59.0	0.0	28600
Thunder Seed	T6094 VT2P	94	222.0	15.0	60.4	0.7	30500
Federal Hybrids	4400 VT2P RIB	94	219.0	15.6	61.9	0.0	30000
Federal Hybrids	4160 VT2P RIB	91	215.8	16.2	60.1	0.0	31700
Renk Seed	RK312VT2P	90	215.5	15.5	59.9	0.0	30000
Renk Seed	RK315VT2P	90	214.7	15.7	58.4	0.0	27000
Peterson Farms Seed	79N94	94	213.6	15.2	58.6	0.4	30400
Trial Average			228.9	16.8	59.7	0.1	30900
LSD (0.05)†			13.1	0.8	0.9	0.5	800
C.V.‡			3.5	3.5	1.1	-	1.8

* 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** (96 day maturity or more) at South Shore, 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	T6999 VT2P	99	247.5	18.4	59.3	0.0	31900
AgriGold	A629-12VT2RIB	99	246.7	20.2	57.6	0.0	31000
AgriGold	A627-83VT2RIB	97	245.0	18.9	59.0	0.0	31800
Peterson Farms Seed	78B98	98	244.4	19.4	57.6	0.0	31600
Dairyland Seed	DS-4014Q	100	243.1	20.2	56.7	0.0	28800
Thunder Seed	T6996 VT2P	96	241.9	19.3	59.2	0.0	32200
Check	DKC49-44RIB	99	241.1	20.0	57.8	0.0	32200
Thunder Seed	T6100 VT2P	100	238.7	19.2	57.2	0.0	31900
Peterson Farms Seed	76Y96	96	236.2	19.1	59.2	0.0	29700
Farmer Check	DKC42-04RIB	92	235.1	19.6	58.3	0.0	29500
AgriGold	A626-08VT2PRO	96	234.9	18.4	57.1	0.0	28400
Dairyland Seed	DS-3715AM	97	234.7	17.6	56.7	0.0	28000
Channel	197-90VT2PRIB	97	233.9	18.5	58.6	0.0	30600
Renk Seed	RK593VT2P	97	232.6	18.2	58.7	0.0	29200
Thunder Seed	T6098 VT2P	98	227.5	18.4	57.4	0.0	29000
Dairyland Seed	DS-3519AM	96	218.5	18.5	59.1	0.0	30600
Trial Average			237.6	19.0	58.2	0.0	30400
LSD (0.05)†			8.6	0.6	0.7	-	1000
C.V.‡			2.6	2.2	0.9	-	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.