



2018 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: 45.105915°, -97.100187°
Cooperator:	SDSU Northeast Research Farm - Allen Heuer, manager
Soil Type:	Kranzburg-Brookings silty clay loams, 0-2% slope
Fertilizer:	30-10-10 starter + 200-0-0-5S-10Z preplant
Yield Goal:	200 bu/acre
Previous crop:	Soybeans
Tillage:	Conventional
Row spacing:	30 inches
Seeding Rate:	31,400/acre
Herbicide:	Pre: 1.8 pt Dual II Magnum (s-metolachlor) Post: 1 qt Roundup (glyphosate)
Date seeded:	5/14/2018
Date harvested:	10/31/2018

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial** (95 day maturity or less) at South Shore, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Check	CHECK	101	284.8	19.7	58.6	0.0	29700
Federal Hybrids	4185 VT2P RIB	91	278.4	18.1	58.8	0.0	30100
Channel	194-49DGVT2PRIB	94	277.0	19.5	59.7	0.0	29200
Federal Hybrids	4580 VT2P RIB	95	272.9	19.1	60.0	0.0	29800
Federal Hybrids	4560 VT2P RIB	95	271.4	17.7	58.5	0.0	29800
Thunder Seed	6794 VT2P	94	270.7	18.3	59.3	0.0	30100
Federal Hybrids	4470 VT2P RIB	94	268.1	17.6	58.7	0.0	29100
Federal Hybrids	4160 VT2P RIB	91	267.8	17.7	58.7	0.0	30100
LG Seeds	LG44C27VT2RIB	94	267.4	17.7	60.7	0.0	29900
Thunder Seed	6993 VT2P	93	266.5	18.4	58.4	0.0	29300
Federal Hybrids	4180 VT2P RIB	91	262.8	18.1	58.9	0.0	29100
Peterson Farms Seed	79N94	94	262.5	18.8	59.0	0.0	29900
Sun Prairie	SP1927	95	262.5	19.8	56.9	0.0	28500
Thunder Seed	6992 VT2P	92	260.4	18.6	59.1	0.0	29400
Proseed	1794 VT2P	94	260.2	18.8	58.5	0.4	29100
Dairyland Seed	DS-7294A	94	257.0	19.3	57.4	0.0	28100
Sun Prairie	SP1970	94	257.0	18.1	59.4	0.0	29900
Proseed	1395 VT2P	95	256.8	19.9	58.9	0.0	29800
Masters Choice	MCT4572	95	254.4	18.4	58.6	0.0	28700
Thunder Seed	6791 VT2P	91	253.3	18.4	58.0	0.0	27600
LG Seeds	LG44C47VT2RIB	94	252.1	18.1	58.6	0.0	28900
Hoegemeyer	HPT 6072 AM	90	241.6	16.5	58.9	0.4	28700
Masters Choice	MCT3891	88	238.3	17.5	60.5	0.0	28700
Federal Hybrids	4190 VT2P	91	238.1	17.5	58.8	0.0	27200
Trial Average			261.7	18.4	58.9	0.2	29200
LSD (0.05)†			12.1	0.7	0.8	0.3	800
C.V.‡			3.3	2.7	0.9	-	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.

Table 2a. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Late Season Trial** (96 day maturity or more) at South Shore, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Channel	201-28VT2PRIB	101	290.5	18.4	57.5	0.4	29900
Check	CHECK	101	288.3	19.6	58.2	0.0	29700
Dairyland Seed	RPM-4019AM	99	285.7	19.4	55.3	0.0	29100
Dairyland Seed	RPM-4018AM	101	279.0	20.3	57.5	0.0	28500
Thunder Seed	6999 VT2P	99	278.4	19.0	58.6	0.0	29000
Federal Hybrids	4990 VT2P	99	276.8	20.3	57.3	0.0	29200
Hoegemeyer	HPT 7088 AM	100	276.7	19.7	58.1	0.4	27700
LG Seeds	LG5502VT2RIB	103	276.6	20.8	56.6	0.0	29200
Federal Hybrids	4880 VT2P RIB	98	274.8	18.6	57.1	0.0	29000
Federal Hybrids	4680 VT2P RIB	96	274.8	18.8	57.9	0.0	29200
Channel	201-05DGV2PRIB	101	274.7	20.7	58.3	0.0	29500
Dairyland Seed	RPM-3715AM	96	272.4	18.5	55.5	0.4	30100
Hoegemeyer	HPT 6813 AM	98	272.3	20.5	56.5	0.0	27400
Channel	197-50STXRIB	97	272.1	19.8	55.9	0.0	29400
Thunder Seed	6798 VT2P	98	271.9	18.7	58.2	0.0	27700
Federal Hybrids	4780 VT2P	97	271.7	19.5	56.3	0.0	28300
Thunder Seed	7800 DGV2P	100	271.3	20.9	54.5	0.0	28700
LG Seeds	LG46C73VT2RIB	96	271.0	19.3	57.5	0.0	29400
LG Seeds	LG5465VT2RIB	97	270.5	20.0	59.3	0.0	29400
Peterson Farms Seed	76S92	96	270.3	18.0	57.2	0.8	29900
Federal Hybrids	5280 SS RIB	102	269.7	22.2	56.3	0.0	27700
Thunder Seed	6996 VT2P	96	269.1	19.7	58.2	0.0	28500
LG Seeds	LG5494VT2RIB	99	268.9	18.7	58.0	0.0	28700
Proseed	17102 SS	102	268.6	21.3	56.9	0.0	29600
Peterson Farms Seed	76Y96	96	267.3	18.9	58.6	0.0	29300
Proseed	1898 SS	98	267.3	19.1	58.1	0.0	28900
Federal Hybrids	4760 VT2P RIB	97	266.3	18.6	56.9	0.0	28100
Peterson Farms Seed	78B98	98	266.2	19.4	56.3	0.0	28500
Masters Choice	MCT4632	96	265.9	19.0	57.3	0.0	30400
Hoegemeyer	HPT 6620 AM	96	264.3	18.1	56.9	0.0	28500
Trial Average			269.1	19.5	57.3	0.5	28800
LSD (0.05)†			14.9	1.0	0.9	0.6	700
C.V.‡			3.9	3.7	1.0	-	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 2b. Glyphosate-resistant corn hybrid performance results, continued (average of 4 replications - **Late Season Trial** (96 day maturity or more) at South Shore, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Masters Choice	MCT4934	99	262.7	19.4	56.4	0.0	28500
Dairyland Seed	RPM-3518AM	96	262.2	19.0	58.4	0.8	27900
Federal Hybrids	5060 SS RIB	100	261.9	20.5	58.1	0.0	27700
Dairyland Seed	RPM-3519AM	96	260.3	18.4	58.7	0.8	29300
Federal Hybrids	4770 VT2P RIB	97	259.0	19.5	57.9	0.0	28200
Federal Hybrids	4990 SS	99	258.6	19.1	57.9	0.0	29900
Proseed	16101 SS	101	258.5	19.5	57.5	0.0	28400
Hoegemeyer	HPT 7210AMXT	102	257.4	19.4	56.4	0.0	26800
Proseed	1399 3000GTA	99	256.1	18.6	55.9	0.0	29400
Sun Prairie	SP2272	101	236.0	19.4	58.5	0.0	28300
Trial Average			269.1	19.5	57.3	0.5	28800
LSD (0.05)†			14.9	1.0	0.9	0.6	700
C.V.‡			3.9	3.7	1.0	-	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.