



2018 South Dakota Corn Hybrid Trial Results Miller

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Location:	5.5 miles south of St. Lawrence (57373) in Hand county, SD (GPS: 44.449506°, -98.925488°)
Cooperator:	Paul Fulton
Soil Type:	Houdek-Dudley complex, 0-2% slopes
Fertilizer:	114-52-18-12S-5Z preplant, 30-10-10 starter, 10 gal 28-0-0 preemergence
Yield Goal:	200 bu/acre
Previous crop:	Soybeans
Tillage:	No-till
Row spacing:	30 inches
Seeding Rate:	28,750/acre
Herbicide:	Pre: 32 oz Harness Xtra (acetochlor) + 32 oz RT3 (glyphosate) + 12 oz LV6 (2,4-D), (applied with 10 gal 28% UAN) Post: 32 oz Roundup WeatherMax (glyphosate) + 2.5 oz Status (dicamba + diflufenzopyr) + 4 oz Crosshair (drift agent)
Date seeded:	5/9/2018
Date harvested:	10/1/2018

Table 1a. Glyphosate-resistant corn hybrid performance results (average of 4 replications - **Early Season Trial (100 day maturity or less)**) at Miller, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Dairyland Seed	RPM-4019AM	99	211.9	21.1	55.5	0.0	28900
Thunder Seed	6999 VT2P	99	210.6	20.0	56.6	0.0	28900
Federal Hybrids	4990 VT2P	99	207.5	21.2	56.2	0.0	28900
Hoegemeyer	HPT 6813 AM	98	206.8	22.2	53.7	0.0	27800
Channel	197-90VT2PRIB	97	204.6	20.9	57.8	0.0	28100
LG Seeds	LG5465VT2RIB	97	204.4	19.6	57.5	0.0	29700
Channel	194-49DGV2PRIB	94	204.2	20.4	58.1	0.0	27900
Hoegemeyer	HPT 7088 AM	100	203.5	21.5	57.0	0.0	26800
Check	CHECK	101	203.3	21.7	57.0	0.0	29200
Dairyland Seed	DS-9599	99	203.1	20.2	55.8	0.0	28100
Federal Hybrids	4880 VT2P RIB	98	202.8	19.0	57.7	0.0	28300
Peterson Farms Seed	72D00	100	202.5	21.8	56.4	0.0	30400
Dairyland Seed	EXP-09804	98	202.3	19.9	54.9	0.0	28700
Federal Hybrids	4780 VT2P	97	199.8	18.6	57.6	0.0	31000
Federal Hybrids	5060 SS RIB	100	198.3	20.9	57.0	0.0	28100
Hoegemeyer	HPT 6620 AM	96	196.7	19.1	55.8	0.0	28600
Federal Hybrids	4190 VT2P	91	195.8	18.2	58.2	0.0	28600
Federal Hybrids	4760 VT2P RIB	97	195.8	19.5	57.2	0.0	27700
Federal Hybrids	4560 VT2P RIB	95	194.1	18.2	58.2	0.0	28400
LG Seeds	LG5494VT2RIB	99	193.8	21.7	56.8	0.0	28100
Federal Hybrids	4770 VT2P RIB	97	193.5	20.4	56.9	0.0	29100
Federal Hybrids	4990 SS	99	192.9	20.8	57.9	0.0	28900
LG Seeds	LG46C73VT2RIB	96	192.8	19.7	57.8	0.0	29800
Dairyland Seed	RPM-3519AM	96	192.4	20.0	58.4	0.0	29000
Thunder Seed	7800 DGV2P	100	191.8	21.3	57.3	0.0	27300
Federal Hybrids	4580 VT2P RIB	95	191.5	19.5	58.3	0.0	28200
Dairyland Seed	RPM-3715AM	96	190.7	19.2	55.4	0.0	27400
Federal Hybrids	4680 VT2P RIB	96	190.0	19.8	56.5	0.0	30100
Federal Hybrids	4185 VT2P RIB	91	190.0	18.9	57.2	0.0	29700
LG Seeds	LG5501VT2RIB	99	189.4	20.4	56.8	0.0	28600
Trial Average			195.7	20	57	0.0	28600
LSD (0.05)†			13.8	1.2	0.9	-	700
C.V.‡			5.0	4.4	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 1b. Glyphosate-resistan corn hybrid performance results (average of 4 replications - **Early Season Trial (100 day maturity or less)**) at Miller, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Federal Hybrids	4160 VT2P RIB	91	189.0	17.5	57.2	0.0	28200
Thunder Seed	6996 VT2P	96	188.9	20.1	56.8	0.0	28500
Federal Hybrids	4470 VT2P RIB	94	186.9	18.8	57.3	0.0	29000
Thunder Seed	6798 VT2P	98	186.2	18.4	57.1	0.0	29100
LG Seeds	LG5505STXRIB	100	185.2	22.1	57.0	0.0	27000
Peterson Farms Seed	76Y96	96	181.9	20.6	56.6	0.0	27900
Peterson Farms Seed	78B98	98	181.5	20.4	56.8	0.0	27800
Federal Hybrids	4180 VT2P RIB	91	180.2	17.0	58.9	0.0	29900
Trial Average			195.7	20	57	0.0	28600
LSD (0.05)†			13.8	1.2	0.9	-	700
C.V.‡			5	4.4	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-resistan corn hybrid performance results (average of 4 replications - Late Season Trial (101 day maturity or more) at Miller, SD.

Variety Information		Agronomic Performance					
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture	Test Wt. (lbs/bu)	Lodging (%)	Final Stand (plants/A)
Dairyland Seed	RPM-4018AM	101	211.6	22.2	55.0	0.0	28500
Channel	201-05DGV2PRIB	101	210.8	21.0	55.8	0.0	28300
Dairyland Seed	RPM-4318AM	104	210.8	22.0	54.6	0.0	29000
Hoegemeyer	HPT 7434 AM	104	210.1	24.3	51.0	0.0	29100
Dairyland Seed	RPM-4329AM	104	209.9	26.3	52.0	0.0	29100
LG Seeds	LG5502VT2RIB	103	207.9	22.1	55.3	0.0	29600
Dairyland Seed	DS-9804RA	104	206.0	21.5	54.3	0.0	28600
Dairyland Seed	DS-7603PE	103	205.3	25.6	52.4	0.0	29100
Dairyland Seed	RPM-4319AM	104	204.4	21.7	57.0	0.0	26100
Hoegemeyer	HPT 7166 AM	101	200.9	22.2	56.0	0.0	28900
Channel	201-28VT2PRIB	101	199.3	21.8	56.2	0.0	29800
Check	CHECK	101	198.6	21.8	56.4	0.0	28900
Thunder Seed	8905 SS	105	197.1	23.2	56.1	0.0	29500
LG Seeds	LG53C50STXRIB	103	196.8	22.7	57.0	0.0	27800
Proseed	16101 SS	101	194.4	21.0	55.7	0.0	29500
Thunder Seed	8902 SS	102	190.6	23.3	56.3	0.0	26000
Proseed	17102 SS	102	190.3	21.7	56.2	0.0	28700
LG Seeds	LG52C18STXRIB	102	189.5	21.5	56.4	0.0	29300
Federal Hybrids	5280 SS RIB	102	188.9	23.1	56.5	0.0	28900
Proseed	18105 SS	105	186.2	23.5	55.3	0.0	27800
Peterson Farms Seed	81W01	101	177.0	22.3	55.0	0.0	25200
Proseed	17103 SS	103	174.9	22.8	56.8	0.0	25600
Trial Average			198.1	22.5	55.4	0.0	28300
LSD (0.05)†			10.6	1.1	0.7	-	900
C.V.‡			3.8	3.4	1.0	-	2.3

* 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.