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Location: 7 miles south and 2 miles east of Miller (57362) in Hand county, SD  
(GPS: 44.413385, -98.940216)

Cooperator: Paul Fulton

Soil Type: Houdek-Prosper loams, 0-2% slopes

Fertilizer: 140-40-30 preplant, 30-10-10 starter

Yield Goal: 200 bu/acre

Previous crop: Soybeans

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 27,000/acre

Herbicide: Pre: Harness (acetochlor) + LV6 (2,4-D)  
Post: Roundup WeatherMax (glyphosate) + Status (diflufenzopyr + dicamba)

Date seeded: 5/13/2015

Date harvested: 11/2/2015

Table 1a. Glyphosate-resistant corn hybrid variety 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	5050 VT2P	100	<b>222.2</b>	16.1	58.5	1.3	25200
Check	Check	99	<b>220.7</b>	17.0	58.6	0.0	26200
Nuseed	9904 VT2P RIB	99	<b>219.0</b>	16.3	59.2	0.0	24000
Rea Hybrids	5A992-RIB	99	<b>218.3</b>	16.3	57.7	0.0	26500
Rea Hybrids	5A000-RIB	100	<b>217.5</b>	15.8	57.7	0.0	26700
Rea Hybrids	4A972-RIB	97	<b>216.9</b>	15.0	59.0	0.0	27000
Federal Hybrids	4540 VT3P	95	<b>216.9</b>	15.8	59.5	0.0	24900
Federal Hybrids	4640 VT3P	96	<b>215.8</b>	15.6	60.1	0.0	26400
Federal Hybrids	4240 VT2P	92	<b>215.6</b>	15.1	59.9	0.0	26700
Wensman	W81007STX	100	<b>215.5</b>	18.3	59.4	0.4	25900
Nutech/G2 Genetics	5F-198	98	<b>215.4</b>	14.0	55.4	0.4	24100
Nuseed	9504 VT3P RIB	95	<b>214.5</b>	15.7	59.2	0.4	26500
Wensman	W80978VT2RIB	97	<b>214.5</b>	15.4	58.2	0.0	26100
Federal Hybrids	4250 VT2P	92	<b>211.4</b>	14.4	59.0	0.4	27100
Renk Seed	RK596SSTX	98	<b>211.3</b>	15.4	57.8	0.0	24300
Rea Hybrids	5A993-RIB	99	<b>211.0</b>	17.2	61.1	0.0	27200
Channel	200-48STXRIB	100	<b>210.6</b>	16.5	58.6	0.0	24000
Wensman	W90962STX	96	210.2	15.1	58.3	0.0	25900
Nutech/G2 Genetics	5F-200	100	209.5	16.6	58.3	0.0	25400
Wensman	W90979STXRIB	97	209.0	15.2	58.8	0.0	25400
Federal Hybrids	4440 VT3P	94	208.4	15.7	58.9	0.0	25800
Thunder Seed	6600 VT2PRIB	100	208.3	16.8	58.9	0.0	24100
Nuseed	9202 VT2P RIB	92	208.1	13.9	57.9	0.0	25900
Channel	197-50STXRIB	97	207.6	16.6	58.4	0.0	23000
Channel	197-68STXRIB	98	207.5	16.7	58.6	0.0	25200
Nutech/G2 Genetics	5F-196	96	207.2	15.4	56.7	0.0	23200
Pioneer	P9703AM	97	206.8	14.4	56.9	0.4	25300
Pioneer	P9284AM	92	206.3	15.5	60.0	0.0	25600
Renk Seed	RK612SSTX	100	206.0	16.3	59.1	0.0	26600
Thunder Seed	101-95 GENSSRIB	95	205.7	16.1	58.7	0.0	25600
<b>Trial Average</b>			205.4	15.8	57.9	0.1	24700
<b>LSD (0.05)†</b>			11.7	2.0	4.2	0.7	1000
<b>C.V.‡</b>			4.1	9.0	5.1	-	2.8

\* 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-resistant corn hybrid variety performance results, continued (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)
Thunder Seed	4695 RR	95	205.0	16.0	58.8	0.0	25300
Wensman	W8294VT2RIB	99	204.9	16.5	58.4	0.5	23500
Rea Hybrids	5A981-RIB	98	204.3	17.3	58.9	0.0	24500
Thunder Seed	101-97 GENSSRIB	97	203.9	15.7	59.3	0.8	27300
Wensman	W90994STX	99	203.2	16.5	57.8	0.5	24000
Federal Hybrids	4160 VT2P	91	199.7	14.6	58.0	0.0	24900
Thunder Seed	7396 VT2PRIB	103	199.4	15.4	58.5	0.0	25300
Rea Hybrids	4A962-RIB	96	192.9	16.2	59.4	0.0	24600
<b>Trial Average</b>			205.4	15.8	57.9	0.1	24700
<b>LSD (0.05)†</b>			11.7	2.0	4.2	0.7	1000
<b>C.V.‡</b>			4.1	9.0	5.1	-	2.8

\* 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 variety 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)
Pioneer	P0339AM	103	<b>241.4</b>	17.7	58.7	0.8	25500
Wensman	W81041VT2RIB	104	<b>237.0</b>	19.2	60.5	0.0	25400
Dairyland Seed	DS-9701	101	225.2	17.8	58.2	0.0	24400
Dairyland Seed	DS-9905	105	222.9	20.4	57.0	1.3	24500
Federal Hybrids	5140 VT2P	101	221.3	16.3	58.9	1.3	26700
Titan Pro	TP 39-05 SS	105	221.0	20.0	58.9	0.9	24800
Wensman	W91011STXRIB	101	219.9	16.3	59.2	0.0	24800
Wensman	W81028VT2RIB	102	218.9	17.0	60.0	0.8	26100
Titan Pro	2M04-2P	104	217.3	18.7	58.6	0.4	24200
Check	Check	99	217.3	17.3	58.9	0.0	24000
Rea Hybrids	5A029-RIB	102	216.9	17.3	58.8	0.0	25500
Federal Hybrids	5250 SSTAX	102	216.4	17.3	59.4	0.4	25200
Channel	202-64STXRIB	102	214.8	17.7	60.6	0.9	24200
Nutech/G2 Genetics	5F-701	101	213.7	16.5	59.3	0.0	24600
Dairyland Seed	DS-9203	103	212.2	18.9	57.5	0.0	26400
Titan Pro	TP 58-01 2P	101	211.4	16.3	59.9	0.0	23500
Channel	202-52STXRIB	102	210.0	16.8	59.0	0.0	26600
Rea Hybrids	5A022-RIB	102	208.9	17.6	58.0	2.0	22400
Federal Hybrids	5245 VT2P	102	207.4	19.9	57.9	0.0	23400
Titan Pro	TP 31-01 3011A	101	205.4	17.3	59.4	0.4	26000
Rea Hybrids	6A032-RIB	103	205.4	18.8	59.2	0.9	24200
Dairyland Seed	DS-9805	103	204.7	20.0	57.1	0.8	25000
Titan Pro	TP 39-02 SS	102	201.6	18.6	57.5	1.0	19300
Renk Seed	RK666SSTX	102	201.3	17.4	57.6	0.5	24400
Renk Seed	RK699SSTX	105	163.6	20.8	58.3	3.5	16600
<b>Trial Average</b>			213.4	18.1	58.7	0.6	24300
<b>LSD (0.05)†</b>			14.3	0.9	0.9	1.7	1200
<b>C.V.‡</b>			4.7	3.6	1.1	-	3.4

\* 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.