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Location: 2 miles east and 3/4 mile north of Geddes (57432) in Charles Mix County, SD
(GPS: N 43°15.997' W 098°39.898')

Cooperator: Curtis Sybesma

Soil Type: Highmore-Eakin silt loam, 0-2% slope

Fertilizer: Variable-applied preplant; 30-10-10 starter

Yield Goal: 170 bu/acre

Previous crop: Winter Wheat

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 27,000/acre

Herbicide: Pre: Harness, Glyphosate, 2,4-D
Post: Glyphosate

Date seeded: 5/15/2014

Date harvested: 11/4/2014

Table 1. Glyphosate-resistant corn hybrid variety performance results (average of 4 replications) - **Early Season Trial (105 day maturity or less)** at Geddes, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Nuseed	3051 GT	105	173.1	16.0	59.9	1.5	22000
Channel	202-64STXRIB	102	173.0	16.4	60.7	0.4	24100
Hoegemeyer	HPT 7541 HX/LL/RR	105	171.3	17.9	59.4	0.5	21900
Wensman	W 7330VT3PRIB	103	170.0	16.1	58.3	1.1	20500
Pioneer	P0193AM	101	169.6	17.1	56.9	0.5	22000
Wensman	W 91011STXRIB	101	169.5	15.7	60.5	0.5	23500
Dairyland Seed	DS-6805	105	169.4	16.7	58.6	1.3	24200
Nutech/G2 Genetics	5H-905	105	168.6	16.9	56.8	0.5	23500
Pioneer	P0533AM1	105	168.0	19.4	60.7	0.4	24100
Channel	205-19STXRIB	105	167.1	16.6	59.1	1.0	20800
Channel	203-88STXRIB	103	166.7	16.5	58.6	0.5	21700
Wensman	W 91051STX	105	165.9	18.7	60.9	1.5	22000
Titan Pro	2M04-2P	104	165.9	20.7	58.5	0.9	24100
Pioneer	P0297AMX	102	165.4	18.4	58.0	0.4	24300
REA Hybrids	6A032-RIB	103	164.7	16.8	61.1	0.0	23000
Hoegemeyer	HPT 7278 HX/LL/RR	102	164.2	16.8	60.5	0.0	22300
Dairyland Seed	DS-6905	105	164.1	19.3	58.6	0.5	22200
Check	CHECK	99	164.0	16.4	59.7	1.0	22300
Renk	RK699SSTX	105	163.0	19.1	61.1	0.9	23300
Renk	RK752SSTX	105	162.9	17.7	61.0	0.0	23100
Channel	200-48STXRIB	100	162.3	16.5	59.6	0.5	22300
Federal Hybrids	5240 SSTAX RIB	101	161.4	16.4	60.4	2.4	22100
Nutech/G2 Genetics	5F-805	105	161.1	17.1	60.2	0.0	21800
Federal Hybrids	5050 SSTAX	100	160.8	15.8	60.8	0.5	21700
Federal Hybrids	5140 SSTAX RIB	101	159.1	15.6	60.3	0.9	24700
Titan Pro	TP 39-05 SS	105	159.0	18.9	60.9	0.9	24500
Hoegemeyer	EXP 7166 YHR	102	155.6	16.0	59.8	0.5	22000
Nuseed	3012 GTA	101	153.5	15.4	61.0	1.4	23500
Nuseed	3014 VT2P	101	151.9	15.7	60.5	0.5	23700
Wensman	W 9325STXRIB	102	151.6	16.8	60.5	0.5	20600
Channel	201-39STXRIB	101	148.8	15.4	59.2	0.0	23000
Dairyland Seed	DS-9305	105	148.5	19.0	59.5	1.8	24100
Trial Average			163.1	17.1	59.7	0.7	22800
LSD (0.05)†			11.5	0.9	0.9	1.9	1200
C.V.‡			5.0	3.6	1.1	-	3.8

* Lodging percentage - stalks broken below the ear as a percentage of 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 variety performance results (average of 4 replications) - **Late Season Trial (106 day maturity or more)** at Geddes, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Nutech/G2 Genetics	5Z-111	111	183.3	19.6	59.5	1.0	22000
Pioneer	P0636AM	106	180.4	18.1	59.3	0.0	22000
Wensman	W 91095STX	109	178.7	18.7	62.4	0.0	22500
Hoegemeyer	HPT 7876	108	178.3	18.2	60.8	0.9	23300
Channel	209-53STXRIB	109	177.6	21.4	59.2	0.5	23000
REA Hybrids	6A071-RIB	107	177.1	19.4	60.3	0.5	23400
Pioneer	P0876AM	108	176.5	19.2	62.5	0.0	21600
Hoegemeyer	HPT 7644 HX/LL/RR	106	175.2	18.2	60.2	0.0	21100
Nutech/G2 Genetics	EXP 5Z-0906	109	174.2	19.1	60.8	1.0	21600
Nutech/G2 Genetics	5V-0705	107	173.3	19.8	59.7	0.5	22500
Nutech/G2 Genetics	5F-709	109	172.3	20.3	58.1	1.0	21800
REA Hybrids	7A112-RIB	112	170.0	21.5	60.1	0.5	22700
Renk	RK834SSTX	110	169.7	23.0	56.4	2.4	22500
Nutech/G2 Genetics	5F-008	108	169.6	18.5	60.0	0.5	21200
Hoegemeyer	HPT 8066 AM	110	169.2	21.1	58.1	2.0	21600
Nutech/G2 Genetics	5Z-707	107	168.5	17.6	59.1	0.0	19300
Nutech/G2 Genetics	5D-109	109	166.1	19.7	61.4	1.1	20100
Pioneer	P1151AM	111	165.2	21.3	59.9	2.5	22500
Renk	RK860VT3P	111	165.2	20.4	60.6	1.5	21900
Great Lakes Hybrids	5755STXRIB	107	164.4	18.3	59.4	0.5	21700
Great Lakes Hybrids	6068STXRIB	110	164.1	18.2	62.0	0.0	22300
Wensman	W 91073STXRIB	107	161.9	19.0	59.4	0.0	21900
Channel	206-55STXRIB	106	161.8	17.7	60.9	2.9	19100
Check	CHECK	99	161.5	16.3	61.0	0.5	22300
Channel	209-46STXRIB	109	161.4	18.6	61.1	3.2	23800
Nutech/G2 Genetics	5H-806	106	160.0	18.0	60.3	0.6	21100
Renk	RK776SSTX	107	159.9	19.1	60.2	0.9	22700
Titan Pro	TP 39-11 SS	111	159.0	23.1	55.3	1.4	22700
REA Hybrids	7A111-RIB	111	157.9	18.3	61.2	1.4	22900
Dairyland Seed	DS-9307SSX	107	154.0	17.7	61.6	1.9	22800
Trial Average			166.3	19.3	60.1	0.9	21900
LSD (0.05)†			13.5	1.0	1.0	2.4	1500
C.V.‡			5.8	3.9	1.1	-	4.8

* Lodging percentage - stalks broken below the ear as a percentage of 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 variety performance results, continued (average of 4 replications) - **Late Season Trial (106 day maturity or more)** at Geddes, SD.

Variety Information			Agronomic Performance				
Brand	Hybrid	Maturity Rating	Yield Bu/A (15.5%)	Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A)
Titan Pro	2M07-SS	107	152.0	18.3	61.7	0.0	22500
Great Lakes Hybrids	5918STXRIB	109	151.6	19.5	60.7	0.5	20600
Renk	RK712SSTX	106	150.5	19.3	61.4	1.0	21700
Nutech/G2 Genetics	5F-811	111	147.4	22.1	59.0	0.0	19900
Trial Average			166.3	19.3	60.1	0.9	21900
LSD (0.05)†			13.5	1.0	1.0	2.4	1500
C.V.‡			5.8	3.9	1.1	-	4.8

* Lodging percentage - stalks broken below the ear as a percentage of 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.