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Location: 8.5 miles west of South Shore (57263) in Codington County, SD  
(GPS: N 45°06.368' W 097°06.120')

Cooperator: SDSU Northeast Research Farm - Allen Heuer, manager

Soil Type: Kranzburg-Brookings silty clay loams, 0-2% slope

Fertilizer: 150-100-50 preplant incorporated; 30-10-10 starter

Yield Goal: 200 bu/acre

Previous crop: Spring Wheat

Tillage: Conventional

Row spacing: 30 inches

Seeding Rate: 31,400/acre

Herbicide: Pre: Dual II  
Post: Glyphosate

Date seeded: 5/19/2014

Date harvested: 10/30/2014

Table 1a. Glyphosate-resistant corn hybrid variety 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)
Titan Pro	2M91-2P	91	<b>234.6</b>	16.9	56.7	0.0	29500
Nuseed	9001 VP3220	90	<b>233.7</b>	17.0	55.6	0.4	29700
REA Hybrids	4V953-RIB	95	<b>232.1</b>	17.3	55.8	0.0	29900
Titan Pro	2M95-2P	95	<b>229.3</b>	18.8	56.9	0.0	29800
Peterson Farms Seed	81W95	95	<b>229.0</b>	18.2	54.7	0.0	28500
Federal Hybrids	4240 VT2P RIB	92	<b>227.5</b>	18.6	56.6	0.0	30100
Great Lakes Hybrids	4548STXRIB	95	<b>226.7</b>	18.0	55.2	0.0	29700
Wensman	W 90935STXRIB	93	<b>226.6</b>	18.1	56.9	0.4	27600
REA Hybrids	3A929-RIB	92	<b>226.3</b>	18.5	55.0	0.0	29700
Wensman	W 90941STX	94	<b>226.2</b>	16.7	55.7	0.0	28400
Golden Harvest	G92T43-3111	92	225.0	16.3	54.0	0.7	28900
Nuseed	9202 VT2P	92	224.7	16.9	55.4	0.4	28100
Peterson Farms Seed	73D91	91	224.5	17.0	56.3	0.0	28400
Nuseed	9304 VT2P	93	223.7	18.9	56.5	0.0	28900
Masters Choice	MCT 4054	90	223.5	16.2	53.3	2.0	28000
<b>Check</b>	<b>CHECK</b>	99	223.5	19.4	56.0	0.0	29400
Nutech	5V-195	95	223.2	18.0	53.7	0.4	29700
Nuseed	9505 VT2P RIB	95	222.5	18.5	56.3	0.0	29200
Peterson Farms Seed	76S92	92	222.2	18.6	56.9	0.4	29400
Peterson Farms Seed	75T93	93	221.4	18.7	57.1	0.4	29100
Federal Hybrids	4550 SSTAX	95	220.4	17.8	55.1	0.0	29100
REA Hybrids	3B922-RIB	92	220.2	17.7	56.4	0.0	29300
Pioneer	P9526AMX	95	220.2	18.9	56.8	0.0	29100
Renk	RK522SSTX	94	219.6	18.3	54.0	0.0	28400
Channel	190-13VT2PRIB	90	219.6	17.7	55.4	0.0	28700
REA Hybrids	4B285-RIB	93	219.6	17.3	55.5	0.8	28900
Golden Harvest	G93H90-3000GT	93	219.2	17.1	54.0	0.8	27700
Federal Hybrids	4520 VT3P RIB	95	218.9	17.9	55.6	0.4	29600
Renk	RK568VT3P	95	218.8	18.8	57.0	1.1	29200
Nuseed	9504 VT3P RIB	95	217.5	19.1	55.5	0.0	25900
<b>Trial Average</b>			220.2	18.1	55.5	0.3	28700
<b>LSD (0.05)†</b>			9.4	0.6	0.8	1.2	1300
<b>C.V.‡</b>			3.0	2.4	1.1	-	3.3

\* 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 1b. Glyphosate-resistant corn hybrid variety performance results, continued (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)
Channel	195-58STXRIB	95	216.8	18.3	56.7	0.0	28100
Channel	191-87STXRIB	91	216.8	18.3	56.6	0.0	28600
Wensman	W 7140VT3PRIB	93	216.2	18.8	57.3	0.4	27800
Masters Choice	MCT 4211	92	214.8	17.7	55.4	1.5	28200
Dairyland Seed	DS-9791RA	91	214.2	18.7	54.4	0.0	29000
Pioneer	P9538AMXT	95	213.2	19.1	54.8	0.0	27200
Proseed	1295 SS	95	210.6	20.6	56.4	0.4	27200
Masters Choice	MCT 4564	95	209.9	17.6	53.8	1.2	28700
Dairyland Seed	DS-9093	93	207.1	21.4	52.4	0.0	29100
Dairyland Seed	DS-9487RA	87	204.8	17.1	54.8	0.0	28400
Renk	RK557SSTX	95	203.0	18.9	53.9	0.0	27800
Nutech/G2 Genetics	5X-894	94	200.1	17.3	56.1	1.2	27900
<b>Trial Average</b>			220.2	18.1	55.5	0.3	28700
<b>LSD (0.05)†</b>			9.4	0.6	0.8	1.2	1300
<b>C.V.‡</b>			3.0	2.4	1.1	-	3.3

\* 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.

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Table 2a. Glyphosate-resistant corn hybrid variety 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	197-68STXRIB	97	<b>232.9</b>	19.0	54.4	0.0	28900
Federal Hybrids	4640 VT3P RIB	96	<b>226.7</b>	18.7	57.3	0.0	28200
Pioneer	P0297AMX	102	<b>226.2</b>	23.0	53.3	0.0	29500
Proseed	1399A GT3000	99	<b>224.2</b>	21.3	52.8	0.0	26800
Nuseed	3014 VT2P	101	<b>223.6</b>	19.2	53.6	0.0	29400
Wensman	70975VT3PRIB	97	<b>223.5</b>	18.2	56.1	0.0	29000
Pioneer	P9917AMX	99	<b>223.3</b>	19.8	55.7	0.0	29300
Wensman	90979STX	97	222.1	18.1	53.6	0.0	27900
REA Hybrids	5A992-RIB	99	221.9	19.2	52.4	0.0	28900
<b>Check</b>	<b>CHECK</b>	99	221.5	19.7	56.0	0.0	29300
Wensman	9288STXRIB	98	221.5	19.5	52.3	0.0	29100
Golden Harvest	G99Z33-3011A	99	221.3	21.0	52.1	0.0	25900
Pioneer	P9703AMX	97	221.2	19.6	53.8	0.0	28100
Nutech/G2 Genetics	5F-200	100	220.4	18.5	56.1	0.8	27900
Masters Choice	MCT 4884	98	220.2	20.9	55.0	0.4	28400
Wensman	90967STXRIB	96	219.9	19.0	55.3	0.0	29000
REA Hybrids	4A974-RIB	97	217.7	19.3	54.7	0.0	28000
Renk	RK596SSTX	98	217.5	19.3	54.1	0.0	27900
REA Hybrids	4A972-RIB	97	216.8	18.3	53.9	0.0	28500
Great Lakes Hybrids	4879STXRIB	98	216.7	19.4	52.9	0.0	27000
Nutech/G2 Genetics	5F-198	98	216.4	17.7	51.9	0.0	27900
Proseed	13101 SS	101	216.2	19.3	54.7	0.0	28700
Nuseed	9904 VT2P	99	216.1	18.4	53.0	0.0	28100
Peterson Farms Seed	55S96	96	214.8	18.7	56.2	0.0	26900
Great Lakes Hybrids	5015STXRIB	100	213.6	18.4	54.4	0.0	28300
Nutech/G2 Genetics	5F-399	99	213.3	19.0	52.1	0.0	27800
REA Hybrids	5A993-RIB	99	213.2	19.7	55.1	0.0	28400
Nutech/G2 Genetics	5Y-196	96	212.2	17.0	53.1	0.0	27200
Dairyland Seed	DS-9900SSX	100	211.9	22.6	49.5	0.0	26700
Proseed	1396 VT3P RIB	96	211.6	18.3	55.2	0.0	29000
<b>Trial Average</b>			216.9	19.3	53.9	0.1	28000
<b>LSD (0.05)†</b>			10.3	0.9	1.2	0.4	1100
<b>C.V.‡</b>			3.4	3.4	1.5	-	2.8

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† Yield or moisture value required ( $\geq$ LSD) to determine if varieties are significantly different from one another.

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Table 2b. Glyphosate-resistant corn hybrid variety 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)
Pioneer	P0193AM	101	210.8	21.8	50.5	0.0	26000
Peterson Farms Seed	88A97	97	209.5	19.7	53.2	0.0	28000
REA Hybrids	4A654-RIB	96	209.5	17.5	54.6	0.4	28900
Nutech/G2 Genetics	5X-698	98	208.6	18.0	54.5	0.0	27800
Golden Harvest	G96A69-3111	97	207.7	18.4	53.8	0.5	25000
Proseed	PX 96 SS RIB	97	207.6	19.8	53.4	0.0	28700
Dairyland Seed	DS-9796	96	205.8	18.3	54.8	0.4	27700
Titan Pro	TP 39-98 SS	98	203.8	19.4	53.8	0.0	26000
<b>Trial Average</b>			216.9	19.3	53.9	0.1	28000
<b>LSD (0.05)†</b>			10.3	0.9	1.2	0.4	1100
<b>C.V.‡</b>			3.4	3.4	1.5	-	2.8

\* 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.

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