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Location: 1.5 miles south of Volga in Brookings County, SD  
(GPS: N 44°18.152' W 096°55.138')

Cooperator: SDSU Volga Research Farm - Jack Ingemansen, manager

Soil Type: Brandt silty clay loam, 0-2% slope

Fertilizer: none

Previous crop: Corn

Tillage: Conventional

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: Metolachlor (Dual II Magnum)  
Post: Glyphosate (Roundup Power Max)

Insecticide: None

Date seeded: 5/20/2015

Date harvested: 9/30/2015 (Group 0&1), 10/7/2015 (Group 2)

Table 1. Glyphosate-resistant soybean variety performance results (average of 4 replications) - Maturity Group 0 at Volga, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Thunder Seed	3408N R2Y	0.8	<b>58.7</b>	10.1	2.5
Check	Check	1.4	<b>58.3</b>	9.8	2.0
Proseed	PX509 N	0.9	<b>57.9</b>	10.1	2.5
Peterson Farms Seed	16R09N	0.9	<b>57.8</b>	10.0	2.3
Thunder Seed	3609N R2Y	0.9	<b>57.1</b>	9.9	2.3
Credenz	CZ 767 RY	0.7	<b>56.1</b>	9.7	2.5
Sodak Genetics	SD2092R2Y	0.9	53.3	9.7	2.5
Sodak Genetics	SD2061R2Y	0.6	51.3	9.8	2.5
<b>Trial Average</b>			56.3	9.9	2.4
<b>LSD (0.05)†</b>			3.1	0.4	0.7
<b>C.V.‡</b>			3.8	2.5	-

\* Lodging Score (1 = no lodging to 5 = flat on the ground)

† Yield or moisture value required ( $\geq$ LSD) to determine if varieties are significantly different from one another. Yield values statistically similar to the overall trial winner are shown in **boldface**.

‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

Table 2a. Glyphosate-resistant soybean variety performance results (average of 4 replications) - Maturity Group 1 at Volga, SD).

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Credenz	CZ 1787 RY	1.7	<b>60.2</b>	9.8	2.3
Great Lakes Hybrids	1953NR2	1.9	<b>60.1</b>	10.0	2.0
Wensman	W3195NR2	1.9	<b>59.9</b>	11.5	2.5
Wensman	W3170NR2	1.7	<b>59.6</b>	10.0	2.5
Thunder Seed	3619N R2Y	1.9	<b>59.5</b>	9.9	2.3
Prairie Brand	PB-1956R2	1.9	<b>59.1</b>	12.1	2.3
Legend Seeds	LS 14R22N	1.4	<b>59.0</b>	9.7	2.3
Legend Seeds	LS 13R556N	1.3	<b>58.4</b>	9.6	2.0
Stine	19RF32	1.9	<b>58.2</b>	10.1	2.3
Prairie Brand	PB-1822R2	1.8	<b>58.0</b>	10.2	2.5
NK Brand	S19-B2	1.9	<b>57.9</b>	10.4	2.0
Legend Seeds	LS 17R500N	1.7	<b>57.7</b>	9.9	2.0
Federal Hybrids	F195NRR2Y	1.9	57.6	10.1	2.0
Wensman	W3140R2	1.5	57.4	9.6	2.0
Prairie Brand	PB-1586R2	1.5	57.1	9.6	2.0
Proseed	P230-18	1.9	57.1	10.3	2.0
Titan Pro	15M22	1.5	57.0	9.5	2.0
Nutech/G2 Genetics	7169	1.6	56.9	9.9	2.0
Wensman	W3160NR2	1.6	56.9	9.5	2.3
Peterson Farms Seed	15R14N	1.4	56.8	9.4	2.3
Prairie Brand	PB-1947R2	1.9	56.6	10.1	2.0
Stine	18RH02	1.8	56.5	14.5	2.8
Titan Pro	TP-18R24	1.8	56.5	10.2	2.8
Proseed	41-10 N	1.1	56.4	9.8	3.0
Sodak Genetics	SD2172R2Y	1.7	56.4	9.5	2.0
Rea Hybrids	R1716	1.7	56.3	9.7	2.3
NK Brand	S15-P1	1.5	56.3	9.7	2.0
Pioneer	P19T78R	1.9	56.2	9.9	2.3
Prairie Brand	PB-1466R2	1.4	56.2	9.6	2.3
Dairyland Seed	DSR-1721/R2Y	1.7	56.1	10.1	2.0
<b>Trial Average</b>			56.0	9.9	2.2
<b>LSD (0.05)†</b>			2.6	0.5	0.6
<b>C.V.‡</b>			3.4	3.8	-

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‡ C.V. is a measure of variability or experimental error, 15% or less is acceptable.

Table 2b. Glyphosate-resistant soybean variety performance results, continued (average of 4 replications) - Maturity Group 1 at Volga, SD).

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Thunder Seed	3114 R2Y	1.4	56.1	9.8	2.3
Renk Seed	RS195NR2	1.9	56.1	10.1	2.3
Federal Hybrids	F185NRR2Y	1.8	55.9	10.2	2.0
Thunder Seed	3511N R2Y	1.1	55.7	9.7	3.3
Channel	1808R2	1.8	55.7	10.5	2.5
Stine	14RD62	1.5	55.6	9.6	2.3
Thunder Seed	3614N R2Y	1.4	55.5	9.4	2.3
Nutech/G2 Genetics	7172R2	1.7	55.3	9.6	2.3
Dairyland Seed	DSR-1990/R2Y	1.9	55.1	10.3	2.5
Proseed	41-30 N	1.3	55.1	9.6	2.0
Prairie Brand	PB-1611R2	1.6	55.0	9.5	2.3
Prairie Brand	X15175R2	1.7	54.8	9.7	2.3
Check	Check	1.4	54.7	9.4	2.0
Dairyland Seed	DSR-1515/R2Y	1.5	54.7	9.4	2.0
Legend Seeds	LS 17R645N	1.7	54.7	9.6	2.3
Stine	14RF06	1.4	54.7	9.6	2.3
Prairie Brand	X15143R2	1.3	54.5	9.4	2.0
Wensman	W3143NR2	1.4	54.3	9.3	2.0
Renk Seed	RS175NR2	1.7	54.3	10.2	2.3
Peterson Farms Seed	16R10	1.0	53.7	9.7	2.8
Proseed	31-10N	1.1	53.7	9.4	2.0
Thunder Seed	3617R2Y	1.7	53.3	9.7	2.0
Rea Hybrids	R1515	1.5	53.1	9.6	2.0
Peterson Farms Seed	14R13	1.3	52.2	9.6	2.3
Channel	1508R2	1.5	51.8	9.7	2.5
Sodak Genetics	SD2101R2Y	1.0	51.5	9.4	2.3
Peterson Farms Seed	14R11N	1.1	50.8	9.7	2.5
Sodak Genetics	SD2173R2Y	1.7	50.5	9.7	2.0
<b>Trial Average</b>			56.0	9.9	2.2
<b>LSD (0.05)†</b>			2.6	0.5	0.6
<b>C.V.‡</b>			3.4	3.8	-

\* Lodging Score (1 = no lodging to 5 = flat on the ground)

statistically similar to the overall trial winner are shown in **boldface**.

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Table 3a. Glyphosate-resistant soybean variety performance results (average of 4 replications) - Maturity Group 2 at Volga, SD).

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
NK Brand	S20-T6	2.0	<b>64.9</b>	10.4	2.0
Prairie Brand	PB-2296R2	2.2	<b>62.8</b>	12.3	3.0
Great Lakes Hybrids	2551NR2	2.5	<b>62.7</b>	10.8	2.0
NUTECH/G2 Genetics	7250	2.5	<b>62.7</b>	10.6	2.0
Prairie Brand	PB-2230R2	2.1	<b>62.3</b>	10.6	2.3
Wensman	W3200NR2	2.0	61.4	10.4	2.0
Great Lakes Hybrids	2258NR2	2.2	61.3	11.1	2.3
NUTECH/G2 Genetics	7204R2	2.0	61.3	11.1	2.5
NK Brand	S21-M7	2.1	61.0	10.4	2.3
Prairie Brand	PB-2419RR2	2.4	60.7	13.5	2.5
Prairie Brand	PB-2600R2	2.6	60.3	12.9	2.0
Rea Hybrids	R2016	2.0	60.3	11.2	2.8
Legend Seeds	LS 20R663N	2.0	60.3	9.9	2.0
Wensman	W3201NR2	2.0	60.3	10.7	2.0
Channel	2408R2	2.4	60.2	16.7	2.8
Channel	2108R2	2.1	60.2	10.6	2.5
Legend Seeds	LS 20R524N	2.0	59.9	10.6	2.3
Great Lakes Hybrids	2469R2	2.4	59.8	10.7	2.0
Dairyland Seed	DSR-2110/R2Y	2.1	59.6	10.9	2.3
Channel	2009R2	2.0	59.6	11.5	2.5
Federal Hybrids	F205NRR2Y	2.0	59.3	10.7	2.3
Pioneer	P24T93R	2.4	59.2	11.5	2.3
Prairie Brand	PB-2188R2	2.1	59.1	12.1	2.8
NUTECH/G2 Genetics	7217R2	2.1	59.0	11.0	2.0
Channel	2309R2	2.3	59.0	10.9	2.5
Prairie Brand	PB-2024R2	2.1	59.0	10.4	2.3
Rea Hybrids	R2316	2.3	58.9	11.0	2.5
Pioneer	P20T79R2	2.0	58.6	10.8	2.3
Prairie Brand	PB-2156R2	2.1	58.4	11.1	2.5
Check	Check	1.4	58.1	10.5	2.3
<b>Trial Average</b>			59.2	12.0	2.4
<b>LSD (0.05)†</b>			2.6	0.8	0.7
<b>C.V.‡</b>			3.2	4.6	-

\* Lodging Score (1 = no lodging to 5 = flat on the ground)

† Yield or moisture value required (≥LSD) to determine if varieties are significantly different from one another. Yield values statistically similar to the overall trial winner are shown in **boldface**.

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Table 3b. Glyphosate-resistant soybean variety performance results, continued (average of 4 replications) - Maturity Group 2 at Volga, SD).

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Titan Pro	TP-20R25	2.0	58.1	10.7	2.3
NUTECH/G2 Genetics	7240	2.4	57.6	11.7	2.3
Credenz	CZ 2474 RY	2.4	57.4	11.4	2.3
Federal Hybrids	F226NRR2Y	2.2	57.2	11.2	2.5
Titan Pro	TP-20R44	2.0	56.8	10.4	2.5
Titan Pro	20M1	2.0	55.3	10.8	2.3
Credenz	CZ 2788 RY	2.7	40.4	40.3	3.8
<b>Trial Average</b>			59.2	12.0	2.4
<b>LSD (0.05)†</b>			2.6	0.8	0.7
<b>C.V.‡</b>			3.2	4.6	-

\* Lodging Score (1 = no lodging to 5 = flat on the ground)

† Yield or moisture value required ( $\geq$ LSD) to determine if varieties are significantly different from one another. Yield values statistically similar to the overall trial winner are shown in **boldface**.

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