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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: 0-100-0 preplant incorporated

Previous crop: Spring Wheat

Tillage: Conventional

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: Dual II  
Post: Glyphosate (Roundup Ultramax)

Date seeded: 5/28/2015

Date harvested: 9/29/2015

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

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Dairyland Seed	DSR-0711/R2Y	0.7	<b>54.9</b>	9.2	2.5
Nutech/G2 Genetics	6097R2	0.9	<b>54.3</b>	8.9	2.0
Legend Seeds	LS 06R665N	0.6	<b>54.1</b>	9.0	2.3
Prairie Brand	X15093R2	0.9	<b>53.4</b>	9.1	2.0
Legend Seeds	LS 09R606N	0.9	<b>53.3</b>	9.1	2.5
Thunder Seed	3609N R2Y	0.9	<b>52.8</b>	9.2	2.0
Proseed	PX509 N	0.9	<b>52.5</b>	9.0	2.0
Wensman	W3072NR2	0.7	<b>52.4</b>	9.1	2.0
Legend Seeds	LS 06R565N	0.6	52.1	9.1	2.0
Prairie Brand	PB-0777R2	0.7	51.6	9.1	2.0
Dairyland Seed	DSR-0904/R2Y	0.9	51.5	8.9	2.0
Prairie Brand	PB-0966R2	0.9	51.5	9.2	2.0
Thunder Seed	3408N R2Y	0.8	51.4	9.1	2.3
Check	Check	1.4	51.3	9.1	2.0
Federal Hybrids	F084NRR2Y	0.8	51.1	9.1	1.5
Prairie Brand	PB-0863R2	0.8	51.0	9.0	2.0
Legend Seeds	LS 08R22N	0.8	50.5	8.9	1.8
Peterson Farms Seed	16R09N	0.9	50.4	9.1	2.5
Stine	07RF33	0.7	50.4	9.1	2.0
Prairie Brand	PB-1234R2	0.9	50.4	9.1	2.0
Federal Hybrids	F066NRR2Y	0.6	50.3	9.0	1.5
Channel	0709R2	0.7	50.2	8.9	2.0
Rea Hybrids	69G14	0.9	50.0	9.1	2.0
Sodak Genetics	SD2061R2Y	0.6	49.8	8.9	2.5
Legacy Seeds	LS-0935N	0.9	49.8	9.2	2.3
Pioneer	P09T74R2	0.9	49.0	8.9	2.3
Wensman	W3090NR2	0.9	48.5	8.9	1.8
Sodak Genetics	SD2091R2Y	0.9	48.0	9.0	2.3
Legacy Seeds	LS-0833N	0.8	47.9	9.0	2.0
Sodak Genetics	SD2092R2Y	0.9	47.6	9.1	2.0
Credenz	CZ 767 RY	0.7	47.5	8.9	2.8
<b>Trial Average</b>			51.0	9.0	2.1
<b>LSD (0.05)†</b>			2.8	0.2	0.6
<b>C.V.‡</b>			3.8	1.2	-

\* 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 South Shore, SD).

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Channel	1405R2	1.4	<b>54.0</b>	9.2	2.0
Prairie Brand	X15143R2	1.3	<b>53.6</b>	9.2	2.0
Proseed	31-10N	1.1	<b>53.2</b>	9.2	2.0
Prairie Brand	PB-1586R2	1.5	<b>52.7</b>	9.5	2.0
Legend Seeds	LS 10R551N	1.0	<b>52.0</b>	9.1	2.0
Check	Check	1.4	<b>51.8</b>	9.1	2.0
Prairie Brand	PB-1947R2	1.9	<b>51.5</b>	10.7	2.0
Peterson Farms Seed	16R10	1.0	<b>51.5</b>	9.4	1.5
Thunder Seed	3619N R2Y	1.9	<b>51.4</b>	9.8	1.8
Pioneer	P15T46R2	1.5	<b>51.3</b>	9.3	2.0
Proseed	41-10 N	1.1	<b>51.2</b>	9.4	2.3
Thunder Seed	3614N R2Y	1.4	<b>51.2</b>	9.4	1.8
Prairie Brand	PB-1822R2	1.8	<b>51.1</b>	9.6	2.0
Thunder Seed	3114 R2Y	1.4	<b>51.1</b>	9.1	2.0
Legacy Seeds	LS-1335N	1.3	<b>51.1</b>	9.2	2.0
NK Brand	S11-C8	1.1	51.0	9.2	1.8
Renk Seed	RS145NR2	1.4	51.0	9.2	2.0
Legend Seeds	LS 13R556N	1.3	50.9	9.2	1.8
Rea Hybrids	R1716	1.7	50.9	9.4	2.0
Peterson Farms Seed	15R14N	1.4	50.8	9.1	1.8
Dairyland Seed	DSR-1340/R2Y	1.3	50.8	9.3	2.0
Proseed	41-30 N	1.3	50.7	9.2	2.0
Wensman	W3143NR2	1.4	50.6	9.4	2.0
Federal Hybrids	F145NRR2Y	1.4	50.6	9.7	2.0
Wensman	W3121NR2	1.2	50.5	9.2	1.8
Federal Hybrids	F106NRR2Y	1.0	50.5	9.2	2.0
NK Brand	S10-P9	1.0	50.5	9.3	1.3
Legend Seeds	LS 12R24N	1.2	50.3	9.3	2.0
NK Brand	S13-H5	1.3	50.3	9.4	1.8
Wensman	W3128R2	1.2	50.1	9.3	1.5
Rea Hybrids	71G14	1.1	50.1	9.2	2.0
Sodak Genetics	SD2172R2Y	1.7	50.1	9.0	2.0
NK Brand	S12-H2	1.2	49.8	9.3	1.5
<b>Trial Average</b>			49.8	9.4	1.9
<b>LSD (0.05)†</b>			2.9	0.6	0.5
<b>C.V.‡</b>			4.2	4.4	-

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Titan Pro	15M22	1.5	49.8	9.5	2.0
NK Brand	S15-P1	1.5	49.8	9.4	1.8
Wensman	W3140R2	1.5	49.7	9.8	1.8
NK Brand	S14-J7	1.4	49.7	9.2	1.8
Wensman	W3160NR2	1.6	49.4	9.4	1.8
Nutech/G2 Genetics	7169	1.6	49.4	9.5	1.8
Prairie Brand	PB-1466R2	1.4	49.3	9.2	2.0
Dairyland Seed	DSR-1120/R2Y	1.1	49.3	8.8	1.8
Rea Hybrids	R1515	1.5	49.3	9.5	2.0
Prairie Brand	PB-1956R2	1.9	49.2	11.5	2.0
Thunder Seed	3511N R2Y	1.1	49.1	9.3	2.0
Sodak Genetics	SD2101R2Y	1.0	49.0	9.0	2.0
Prairie Brand	PB-1611R2	1.6	49.0	9.6	1.8
Credenz	CZ 1787 RY	1.7	48.9	9.3	2.0
Channel	1808R2	1.8	48.8	10.3	2.0
Dairyland Seed	DSR-1515/R2Y	1.5	48.6	9.1	2.0
Nutech/G2 Genetics	7138	1.3	48.5	9.7	1.8
Federal Hybrids	F124NRR2Y	1.2	48.4	9.1	2.0
Thunder Seed	3617 R2Y	1.7	48.4	9.5	1.3
Pioneer	P16T17R2	1.6	48.3	9.3	2.0
Renk Seed	RS175NR2	1.7	48.2	10.4	2.0
Legacy Seeds	LS-1134N	1.1	48.1	9.2	2.0
Prairie Brand	PB-1794R2	1.7	47.9	10.1	1.8
Peterson Farms Seed	14R11N	1.1	47.9	9.4	2.0
Peterson Farms Seed	14R13	1.3	47.8	9.5	1.8
Wensman	W3100NR2	1.0	47.6	9.4	2.0
Stine	10RD03	1.0	47.5	9.0	1.8
Prairie Brand	X15175R2	1.7	47.3	9.3	2.0
Channel	1108R2	1.1	47.2	9.4	2.0
Proseed	P230-18	1.9	47.0	9.8	1.3
Renk Seed	RS166NR2	1.6	46.6	9.8	1.5
Channel	1508R2	1.5	46.4	9.7	2.0
Sodak Genetics	SD2173R2Y	1.7	44.3	9.5	1.8
<b>Trial Average</b>			49.8	9.4	1.9
<b>LSD (0.05)†</b>			2.9	0.6	0.5
<b>C.V.‡</b>			4.2	4.4	-

\* 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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