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Location: 2.5 miles north of Bancroft (57353) in Kingsbury County  
(GPS: N 44°31.091' W 097°45.244)

Cooperator: Weerts Farm, Inc.

Soil Type: Houdek-Stickney-Tetonka loam, 0-2% slope, non-irrigated

Fertilizer: None

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: 14 oz Authority MTZ (metribuzin)  
Post: 32 oz Roundup (glyphosate); 32 oz Roundup(glyphosate) + 9 oz Sinister  
(fomesafen)

Insecticide: None

Date seeded: 5/17/2016

Date harvested: 10/21/2016

Table 1a. Glyphosate-resistant soybean variety performance results (average of 4 replications) - Maturity Groups 0 & 1 at Bancroft, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Thunder Seed	3614 R2YN	1.4	<b>79.3</b>	12.0	1.0
Prairie Brand	X16153R2	1.5	<b>79.1</b>	12.0	1.0
Prairie Brand	PB-1566R2	1.5	<b>77.7</b>	12.1	1.0
Renk	RS147NR2	1.4	<b>77.6</b>	12.2	1.0
Prairie Brand	PB-1466R2	1.4	<b>77.2</b>	12.4	1.0
Check	Check	1.4	<b>77.0</b>	12.2	1.0
Federal Hybrids	F147NRR2Y	1.4	<b>76.5</b>	12.3	1.0
Peterson Farms Seed	17X13	1.3	<b>76.5</b>	12.3	1.0
Wensman	W3143NR2	1.4	<b>76.3</b>	12.3	1.0
Prairie Brand	PB-1376R2	1.3	<b>75.9</b>	12.0	1.0
NorthStar Genetics	1661NR2	1.6	<b>75.9</b>	12.4	1.0
Federal Hybrids	F195NRR2Y	1.9	<b>75.2</b>	12.1	1.0
Wensman	W3160NR2	1.6	75.0	12.1	1.0
Federal Hybrids	F154NRR2Y	1.5	74.8	12.3	1.0
NorthStar Genetics	1911NR2	1.9	74.8	11.9	1.0
Federal Hybrids	F1670NR2X	1.6	74.7	12.1	1.0
Thunder Seed	EXP 8713N	1.3	74.6	12.3	1.0
Channel	1405R2	1.4	74.0	12.1	1.0
Federal Hybrids	F106NRR2Y	1.0	73.9	12.7	1.0
Prairie Brand	PB-1611R2	1.6	73.8	12.0	1.0
Federal Hybrids	F1370NR2X	1.3	73.7	12.2	1.0
Federal Hybrids	F185NRR2Y	1.8	73.6	12.3	1.0
Thunder Seed	3511 R2YN	1.1	73.5	12.4	1.0
Prairie Brand	PB-1822R2	1.8	73.4	12.5	1.0
Renk	RS137NX	1.3	73.3	12.4	1.0
Thunder Seed	3408 R2YN	0.8	72.3	12.6	1.0
Thunder Seed	3619 R2YN	1.9	72.2	11.7	1.0
Renk	RS175NR2	1.7	72.2	12.2	1.0
Renk	RS107NX	1.0	72.1	12.3	1.0
Renk	RS145NR2	1.4	71.8	12.5	1.0
<b>Trial Average</b>			71.2	12.2	1.0
<b>LSD (0.05)†</b>			4.2	0.4	-
<b>C.V.‡</b>			4.2	2.5	-

\* 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**.

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

Table 1b. Glyphosate-resistant soybean variety performance results, continued (average of 4 replications) - Maturity Groups 0 & 1 at Bancroft, SD).					
Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
NuTech	7172R2	1.7	71.4	12.2	1.0
Titan Pro	TP-16X36	1.6	70.8	11.9	1.0
NuTech	7127R2	1.2	70.2	12.7	1.0
Channel	1808R2	1.8	70.0	12.1	1.0
Thunder Seed	EXP 8710N	1.0	69.9	12.3	1.0
Dairyland Seed	DSR-1870/R2Y	1.8	69.7	11.9	1.0
Prairie Brand	PB-1956R2	1.9	69.7	12.1	1.0
Dairyland Seed	DSR-1721/R2Y	1.7	69.1	12.5	1.0
Prairie Brand	PB-1787R2	1.7	68.2	12.2	1.0
Peterson Farms Seed	17X18N	1.8	67.5	12.1	1.0
Prairie Brand	PB-1947R2	1.9	67.1	11.9	1.0
Federal Hybrids	F1260NR2X	1.2	66.8	12.2	1.0
Peterson Farms Seed	16X12N	1.2	66.7	12.3	1.0
Titan Pro	TP-19X06	1.9	66.2	12.1	1.0
Peterson Farms Seed	17X14N	1.4	64.6	12.2	1.0
Titan Pro	TP-17X26	1.7	64.4	12.3	1.0
Thunder Seed	EXP 8718N	1.8	62.3	12.1	1.0
Peterson Farms Seed	17X17N	1.7	60.7	11.9	1.0
Renk	RS177NX	1.7	60.5	12.2	1.0
Wensman	W1183NRX	1.8	60.0	11.9	1.0
Federal Hybrids	F1470NR2X	1.4	45.3	12.3	1.0
<b>Trial Average</b>			71.2	12.2	1.0
<b>LSD (0.05)†</b>			4.2	0.4	-
<b>C.V.‡</b>			4.2	2.5	-

\* 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**.

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

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

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Prairie Brand	PB-2419RR2	2.4	<b>71.7</b>	11.3	1.0
Prairie Brand	PB-2296R2	2.2	<b>71.4</b>	11.3	1.0
NorthStar Genetics	2111NR2	2.1	<b>71.2</b>	11.4	1.0
Prairie Brand	PB-2156R2	2.1	<b>70.9</b>	11.4	1.0
Titan Pro	TP-21X46	2.1	<b>70.6</b>	11.4	1.0
Check	Check	1.4	<b>70.4</b>	11.5	1.0
Wensman	W1208NRX	2.0	<b>69.8</b>	11.3	1.0
Wensman	W3226NR2	2.2	<b>69.6</b>	11.3	1.0
NorthStar Genetics	2031NR2	2.0	<b>69.2</b>	11.6	1.0
Prairie Brand	PB-2600R2	2.6	<b>68.8</b>	11.7	1.0
Prairie Brand	PB-2024R2	2.0	<b>68.5</b>	11.6	1.0
Dairyland Seed	DSR-2017/R2Y	2.0	<b>67.7</b>	11.3	1.0
Wensman	W1233RX	2.3	67.7	11.2	1.0
Federal Hybrids	F2170NR2X	2.1	67.6	11.3	1.0
Wensman	W3201NR2	2.0	67.1	11.4	1.0
Federal Hybrids	F205NRR2Y	2.0	66.8	11.6	1.0
NuTech	7224	2.2	66.4	11.2	1.0
Titan Pro	TP-20R25	2.0	65.5	11.5	1.0
NorthStar Genetics	2281NR2	2.2	65.1	11.3	1.0
Dairyland Seed	DSR-2110/R2Y	2.1	64.3	11.5	1.0
NuTech	7217R2	2.1	64.2	11.7	1.0
Channel	2108R2	2.1	63.5	11.4	1.0
<b>Trial Average</b>			68.1	11.4	1.0
<b>LSD (0.05)†</b>			3.9	0.2	-
<b>C.V.‡</b>			4.1	1.3	-

\* 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.