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Location: 7 1/2 miles south and 2 miles east of Wessington (57381) in Beadle County
(GPS: N 44°20.766' W 098°39.548')

Cooperator: Paul Fulton

Soil Type: Houdek-Prosper loams, 0-2% slopes

Fertilizer: 11-52-0 preplant

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: RT3 (glyphosate) + Authority Assist (sulfentrazone) + LV6 (2,4-D)
Post: Roundup Weather Max (glyphosate)

Insecticide: None

Date seeded: 5/26/2015

Date harvested: 10/14/2015

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Thunder Seed	3619N R2Y	1.9	59.8	7.5	1.0
Federal Hybrids	F165RR2Y	1.3	59.1	7.5	1.0
NK Brand	S13-H5	1.3	58.8	7.6	1.0
Prairie Brand	PB-1611R2	1.6	58.6	7.7	1.0
Pioneer	P18T26R2	1.8	58.3	7.5	1.0
Prairie Brand	X15143R2	1.3	58.2	7.4	1.0
Rea Hybrids	R1716	1.7	58.2	7.5	1.0
Thunder Seed	3114 R2Y	1.4	58.1	7.6	1.0
Thunder Seed	3614N R2Y	1.4	57.9	7.8	1.0
Wensman	W3143NR2	1.4	57.9	7.8	1.0
Wensman	W3140R2	1.5	57.8	7.6	1.0
Thunder Seed	3609N R2Y	0.9	57.5	8.3	1.0
Federal Hybrids	F154NRR2Y	1.5	57.4	7.5	1.0
Wensman	W3195NR2	1.9	57.4	7.7	1.0
Thunder Seed	3617 R2Y	1.7	57.3	7.5	1.0
Federal Hybrids	F195NRR2Y	1.9	57.2	7.6	1.0
Thunder Seed	3408N R2Y	0.8	56.8	8.3	1.0
Prairie Brand	X15175R2	1.7	56.8	7.5	1.0
Dairyland Seed	DSR-1515/R2Y	1.5	56.7	7.7	1.0
Credenz	CZ 1787 RY	1.7	56.6	7.7	1.0
Nutech/G2 Genetics	7172R2	1.7	56.4	7.5	1.0
NK Brand	S15-P1	1.5	56.3	8.1	1.0
NK Brand	S12-H2	1.2	56.3	7.6	1.0
Wensman	W3160NR2	1.6	56.1	7.4	1.0
Sodak Genetics	SD2061R2Y	0.6	56.1	7.8	1.0
NK Brand	S14-J7	1.4	56.0	7.5	1.0
Prairie Brand	PB-1822R2	1.8	55.9	7.7	1.0
Prairie Brand	PB-1947R2	1.9	55.9	7.8	1.0
Rea Hybrids	R1515	1.5	55.5	7.6	1.0
Rea Hybrids	R1815	1.8	55.4	7.3	1.0
Trial Average			55.3	7.7	1.0
LSD (0.05)†			2.6	0.4	0.0
C.V.‡			3.4	3.8	-

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

† Yield or moisture value (≥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 Miller, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Check	Check	1.4	55.2	7.6	1.0
Channel	1808R2	1.8	55.1	7.3	1.0
Renk Seed	RS195NR2	1.9	54.9	7.6	1.0
Federal Hybrids	F145NRR2Y	1.4	54.6	7.7	1.0
Federal Hybrids	F124NRR2Y	1.2	54.5	7.5	1.0
Federal Hybrids	F185NRR2Y	1.8	54.5	7.6	1.0
Nutech/G2 Genetics	7169	1.6	54.4	7.7	1.0
Titan Pro	15M22	1.5	54.3	8.0	1.0
Dairyland Seed	DSR-1721/R2Y	1.7	53.8	7.8	1.0
Prairie Brand	PB-1466R2	1.4	53.7	7.5	1.0
Titan Pro	TP-18R24	1.8	53.7	7.6	1.0
Credenz	CZ 767 RY	0.7	53.5	7.8	1.0
Channel	1508R2	1.5	53.4	7.5	1.0
Thunder Seed	3511N R2Y	1.1	53.1	7.6	1.0
Sodak Genetics	SD2092R2Y	0.9	53.0	8.0	1.0
NK Brand	S11-C8	1.1	52.7	7.8	1.0
Sodak Genetics	SD2173R2Y	1.7	52.3	7.7	1.0
Federal Hybrids	F106NRR2Y	1.0	52.0	7.7	1.0
Wensman	W3170NR2	1.7	51.7	7.8	1.0
Prairie Brand	PB-1586R2	1.5	51.2	7.6	1.0
Sodak Genetics	SD2172R2Y	1.7	51.1	7.5	1.0
Sodak Genetics	SD2101R2Y	1.0	50.6	7.9	1.0
Prairie Brand	PB-1956R2	1.9	50.3	7.6	1.0
Renk Seed	RS175NR2	1.7	50.0	7.8	1.0
Dairyland Seed	DSR-1990/R2Y	1.7	48.9	7.8	1.0
Trial Average			55.3	7.7	1.0
LSD (0.05)†			2.6	0.4	0.0
C.V.‡			3.4	3.8	-

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

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Nutech/G2 Genetics	7250	2.5	58.8	7.9	1.0
Pioneer	P24T93R	2.4	58.6	7.4	1.0
Prairie Brand	PB-2600R2	2.6	57.9	8.1	1.0
Prairie Brand	PB-2419RR2	2.3	57.5	7.5	1.0
Prairie Brand	PB-2230R2	2.1	56.6	7.4	1.0
Nutech/G2 Genetics	7240	2.4	56.3	8.1	1.0
Dairyland Seed	DSR-2110/R2Y	2.1	56.2	7.5	1.0
Credenz	CZ 2788 RY	2.7	55.7	8.4	1.0
Nutech/G2 Genetics	7204R2	2.0	55.5	7.5	1.0
Rea Hybrids	R2016	2.0	55.4	7.3	1.0
Prairie Brand	PB-2156R2	2.1	55.3	7.7	1.0
Channel	2009R2	2.0	54.5	7.7	1.0
Check	Check	1.4	54.5	7.4	1.0
Nutech/G2 Genetics	7217R2	2.1	53.7	7.7	1.0
Titan Pro	20M1	2.0	53.7	7.3	1.0
Channel	2408R2	2.4	53.6	7.5	1.0
Prairie Brand	PB-2024R2	2.1	53.3	7.4	1.0
Credenz	CZ 2474 RY	2.4	53.2	7.8	1.0
Prairie Brand	PB-2296R2	2.2	53.0	7.6	1.0
Wensman	W3200NR2	2.0	52.9	7.4	1.0
Federal Hybrids	F205NRR2Y	2.0	52.6	7.3	1.0
Channel	2309R2	2.3	51.8	7.5	1.0
Prairie Brand	PB-2188R2	2.1	51.7	7.6	1.0
Wensman	W3201NR2	2.0	51.7	7.4	1.0
Rea Hybrids	R2316	2.3	51.3	7.5	1.0
Titan Pro	TP-20R25	2.0	51.0	7.3	1.0
Pioneer	P20T79R2	2.0	50.5	7.4	1.0
Titan Pro	TP-20R44	2.0	50.2	7.4	1.0
Rea Hybrids	R2115	2.1	49.5	7.5	1.0
Channel	2108R2	2.1	48.7	7.4	1.0
Trial Average			53.8	7.5	1.0
LSD (0.05)†			2.5	0.4	0.0
C.V.‡			3.3	3.3	-

* 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**.

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