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Location: 2 miles east and 3/4 mile north of Geddes (57432) in Charles Mix County, SD
(GPS: N 43°15.997' W 098°39.898')

Cooperator: Curtis Sybesma

Soil Type: Highmore-Eakin silt loam, 0-2% slope

Fertilizer: none

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: 2, 4-D Ester, Flumioxazin (Gangster), & Metribuzin (Tricor DF)
Post: Glyphosate (Roundup Power Max) + Clethodim (Intensity)

Insecticide: None

Date seeded: 5/27/2015

Date harvested: 10/6/2015

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

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Sodak Genetics	SD2172R2Y	1.7	62.5	11.2	1.0
Check	Check	1.4	61.5	11.3	1.0
Thunder Seed	3619N R2Y	1.9	61.0	11.2	1.0
Credenz	CZ 1787 RY	1.7	60.6	11.3	1.0
Thunder Seed	3614N R2Y	1.4	60.3	11.4	1.0
Thunder Seed	3114 R2Y	1.4	59.9	11.3	1.0
Renk Seed	RS195NR2	1.9	59.7	11.2	1.0
Thunder Seed	3617 R2Y	1.7	57.6	11.2	1.0
Sodak Genetics	SD2101R2Y	1	57.2	11.2	1.0
Thunder Seed	3511N R2Y	1.1	55.5	11.5	1.5
Rea Hybrids	R1815	1.8	54.4	11.2	1.0
Channel	1808R2	11.8	51.6	11.4	1.3
Sodak Genetics	SD2173R2Y	1.7	47.9	11.4	1.0
Trial Average			57.7	11.3	1.0
LSD (0.05)†			3.4	0.2	0.3
C.V.‡			4.2	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.

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Prairie Brand	PB-2296R2	2.2	60.6	10.4	1.0
Prairie Brand	PB-2188R2	2.1	60.5	10.5	1.0
Renk Seed	RS213NR2	2.1	60.2	10.5	1.0
Channel	2607R2	2.6	60.0	10.4	1.3
Rea Hybrids	R2316	2.3	60.0	10.6	1.3
Wensman	W3228NR2	2.2	59.7	10.5	1.0
Prairie Brand	PB-2419RR2	2.4	59.6	10.5	1.0
Dairyland Seed	DSR-2110/R2Y	2.1	59.4	10.8	1.0
Prairie Brand	PB-2486R2	2.4	59.3	10.9	1.0
Titan Pro	22M12	2.2	59.3	10.8	1.0
Renk Seed	RS246NR2	2.4	58.9	10.5	1.0
Channel	2908R2	2.9	58.8	11.1	1.3
Check	Check	1.4	58.8	10.4	1.0
Dairyland Seed	DSR-2616/R2Y	2.6	58.7	10.8	1.0
Prairie Brand	PB-2024R2	2.1	58.6	10.5	1.0
Channel	2408R2	2.4	58.5	10.3	1.0
Great Lakes Hybrids	2551NR2	2.5	58.4	10.7	1.0
Titan Pro	TP-23R04	2.3	58.4	10.6	1.0
Channel	2108R2	2.1	57.8	10.4	1.3
Pioneer	P20T79R2	2	57.5	10.5	1.0
Pioneer	P28T08R	2.8	57.5	10.8	1.0
Prairie Brand	PB-2600R2	2.6	57.5	10.6	1.0
Prairie Brand	PB-2876R2	2.8	57.4	11.0	1.0
Nutech/G2 Genetics	7273	2.7	57.4	10.7	1.0
Rea Hybrids	R2115	2.1	57.3	10.5	1.3
Nutech/G2 Genetics	7250	2.5	57.3	10.4	1.0
Prairie Brand	PB-2156R2	2.1	57.1	10.4	1.3
Wensman	W3275NR2	2.7	57.1	10.8	1.5
Pioneer	P24T93R	2.4	57.1	10.3	1.0
Wensman	W3254NR2	2.5	56.9	10.5	1.0
Trial Average			57.2	10.6	1.1
LSD (0.05)†			3.4	0.6	0.3
C.V.‡			4.3	4.1	-

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

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Channel	2009R2	2	56.8	10.7	1.0
Titan Pro	TP-21R55	2.1	56.8	10.6	1.0
Dairyland Seed	DSR-2330/R2Y	2.3	56.7	10.6	1.0
Wensman	W3226NR2	2.2	56.5	10.5	1.0
Renk Seed	RS216NR2	2.1	56.4	10.4	1.0
Prairie Brand	PB-2556R2	2.5	56.0	10.7	1.0
Wensman	W3214NR2	2.1	55.8	10.5	1.3
Great Lakes Hybrids	2469R2	2.4	55.8	10.4	1.0
Channel	2309R2	2.3	55.6	10.5	1.0
Wensman	W3201NR2	2	55.4	10.4	1.0
Great Lakes Hybrids	2789R2	2.7	55.3	10.6	1.5
Credenz	CZ 2474 RY	2.4	55.0	10.9	1.0
Credenz	CZ 2788 RY	2.7	54.8	11.5	1.0
Channel	2808R2	2.8	54.7	11.7	1.0
Prairie Brand	X15263R2	2.6	54.4	11.0	1.0
Great Lakes Hybrids	2959NR2	2.9	54.2	11.9	1.0
Rea Hybrids	R2016	2	54.0	10.4	1.0
Channel	2609R2	2.6	53.9	10.6	1.3
Nutech/G2 Genetics	7240	2.4	50.1	10.5	1.0
Trial Average			57.2	10.6	1.1
LSD (0.05)†			3.4	0.6	0.3
C.V.‡			4.3	4.1	-

* 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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