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Location: 4 miles south and 2.5 miles east of Bath (57427) in Brown County, SD
(GPS: N 45°23.953' W 098°23.953')

Cooperator: Gordon and Roger Locken Farms

Soil Type: Great Bend-Beotia silt loams, 0-2% slopes

Fertilizer: none

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: Roundup & Authority Assist
Post: Glyphosate (Roundup Power Max)

Insecticide: Tundra Supreme

Date seeded: 5/21/2015

Date harvested: 10/1/2015

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

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Proseed	PX509 N	0.9	72.5	7.8	1.0
Nutech/G2 Genetics	6097R2	0.9	72.2	7.7	1.0
Rea Hybrids	R0815	0.8	71.0	7.8	1.0
Thunder Seed	3609N R2Y	0.9	70.3	8.0	1.0
Check	Check	1.4	70.3	8.1	1.0
Peterson Farms Seed	16R09N	0.9	70.2	8.0	1.0
Prairie Brand	PB-0777R2	0.7	70.0	7.8	1.0
Legacy Seeds	LS-0833N	0.8	69.4	7.9	1.0
Prairie Brand	X15093R2	0.9	69.2	8.0	1.0
Rea Hybrids	69G14	0.9	69.0	8.0	1.0
Thunder Seed	3408N R2Y	0.8	68.7	7.8	1.0
Prairie Brand	PB-0966R2	0.9	68.7	8.2	1.0
Prairie Brand	PB-0863R2	0.8	68.5	7.7	1.0
Wensman	W3072NR2	0.7	68.3	7.9	1.0
Federal Hybrids	F084NRR2Y	0.8	68.3	8.0	1.0
Wensman	W3090NR2	0.8	68.2	7.7	1.0
Legacy Seeds	LS-0935N	0.9	68.1	8.0	1.0
Dairyland Seed	DSR-0904/R2Y	0.9	68.0	7.7	1.0
Prairie Brand	PB-1234R2	0.9	68.0	8.2	1.0
Stine	07RF33	0.7	67.6	7.8	1.0
Federal Hybrids	F066NRR2Y	0.6	67.5	7.9	1.0
Dairyland Seed	DSR-0711/R2Y	0.7	66.9	8.3	1.0
Credenz	CZ 767 RY	0.7	66.6	7.4	1.0
Sodak Genetics	SD2061R2Y	0.6	66.4	7.6	1.0
Sodak Genetics	SD2091R2Y	0.9	65.4	7.9	1.0
Sodak Genetics	SD2092R2Y	0.9	62.7	8.3	1.0
Channel	0709R2	0.7	60.8	7.9	1.0
Trial Average			68.2	7.9	1.0
LSD (0.05)†			2.8	0.3	0.0
C.V.‡			2.9	3.0	

* 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 2a. Glyphosate-resistant soybean variety performance results (average of 4 replications) - Maturity Group 1 at Bath, SD).					
Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
NK Brand	S13-H5	1.3	71.3	8.9	1.0
Legacy Seeds	LS-1335N	1.3	71.3	7.9	1.0
Prairie Brand	X15143R2	1.3	71.0	8.0	1.0
Channel	1405R2	1.4	71.0	8.4	1.0
Wensman	W3143NR2	1.4	71.0	8.2	1.0
Thunder Seed	3614N R2Y	1.4	70.8	8.2	1.0
Thunder Seed	3619N R2Y	1.9	70.4	9.5	1.0
Peterson Farms Seed	16R10	1.0	70.3	8.1	1.0
Stine	10RD03	1.0	70.2	7.7	1.0
NK Brand	S10-P9	1.0	70.2	7.8	1.0
Prairie Brand	X15175R2	1.7	70.1	9.0	1.0
Pioneer	P14T52R2	1.4	70.1	7.7	1.0
Prairie Brand	PB-1466R2	1.4	69.8	7.9	1.0
Wensman	W3140R2	1.5	69.8	9.1	1.0
Thunder Seed	3114 R2Y	1.4	69.7	8.8	1.0
Credenz	CZ 1787 RY	1.7	69.5	8.5	1.0
NK Brand	S14-J7	1.4	69.5	7.9	1.0
Rea Hybrids	71G14	1.1	69.5	8.1	1.0
Federal Hybrids	F145NRR2Y	1.4	69.4	8.3	1.0
Check	Check	1.4	69.4	7.9	1.0
Prairie Brand	PB-1947R2	1.9	69.4	11.0	1.0
Renk Seed	RS175NR2	1.7	69.4	10.1	1.0
Proseed	41-30 N	1.3	69.3	8.2	1.0
Prairie Brand	PB-1822R2	1.8	69.3	9.4	1.0
Thunder Seed	3617 R2Y	1.7	69.2	8.7	1.0
Channel	1808R2	1.8	68.9	9.1	1.0
Renk Seed	RS145NR2	1.4	68.7	8.1	1.0
Federal Hybrids	F124NRR2Y	1.2	68.7	8.0	1.0
Wensman	W3100NR2	1.0	68.6	8.1	1.0
Sodak Genetics	SD2172R2Y	1.7	68.6	8.5	1.0
Trial Average			68.0	8.5	1.0
LSD (0.05)†			2.7	0.6	0.0
C.V.‡			2.9	5.3	-

* 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 1 at Bath, SD).

Variety Information		Agronomic Performance			
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Dairyland Seed	DSR-1120/R2Y	1.1	68.3	7.9	1.0
Dairyland Seed	DSR-1515/R2Y	1.5	68.3	8.0	1.0
Peterson Farms Seed	14R11N	1.1	68.3	8.0	1.0
Wensman	W3128R2	1.2	68.2	8.1	1.0
Pioneer	P16T17R2	1.6	68.1	8.0	1.0
Peterson Farms Seed	15R14N	1.4	67.9	8.2	1.0
Prairie Brand	PB-1956R2	1.9	67.8	10.2	1.0
Prairie Brand	PB-1611R2	1.6	67.8	9.1	1.0
Proseed	P230-18	1.9	67.3	9.2	1.0
Federal Hybrids	F106NRR2Y	1.0	67.3	8.0	1.0
Nutech/G2 Genetics	7138	1.3	67.1	8.3	1.0
NK Brand	S12-H2	1.2	67.0	8.3	1.0
Prairie Brand	PB-1794R2	1.7	66.6	9.5	1.0
Proseed	31-10N	1.1	66.5	8.0	1.0
Legacy Seeds	LS-1134N	1.1	66.2	8.3	1.0
NK Brand	S11-C8	1.1	66.1	8.0	1.0
Dairyland Seed	DSR-1340/R2Y	1.3	66.1	8.4	1.0
Channel	1508R2	1.5	65.9	8.4	1.0
Channel	1108R2	1.1	65.8	8.3	1.0
Nutech/G2 Genetics	7169	1.6	65.5	8.1	1.0
NK Brand	S15-P1	1.5	65.3	10.7	1.0
Peterson Farms Seed	14R13	1.3	65.1	8.4	1.0
Proseed	41-10 N	1.1	65.0	8.0	1.0
Sodak Genetics	SD2101R2Y	1.0	64.9	7.9	1.0
Thunder Seed	3511N R2Y	1.1	64.4	8.2	1.0
Pioneer	P15T46R2	1.5	63.8	8.3	1.0
Rea Hybrids	R1515	1.5	63.5	8.5	1.0
Prairie Brand	PB-1586R2	1.5	62.3	8.7	1.0
Sodak Genetics	SD2173R2Y	1.7	60.6	9.2	1.0
Trial Average			68.0	8.5	1.0
LSD (0.05)†			2.7	0.6	0.0
C.V.‡			2.9	5.3	-

* 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.