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Location: 4 miles south and 1 mile east of Bath (57427) in Brown County, SD  
(GPS: N 45°23.580' W 098°18.325')

Cooperator: Gordon and Roger Locken Farms

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

Fertilizer: none

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: Authority MTZ  
Post: Glyphosate

Date seeded: 5/20/2014

Date harvested: 10/15/2014

Table 1. Glyphosate-resistant soybean variety performance results (average of 3 replications) - Maturity Group 0 at Bath, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Prairie Brand	PB-0863R2	0.8	<b>70.0</b>	9.4	1.0
Prairie Brand	PB-1234R2	0.9	<b>69.3</b>	9.5	1.0
Dairyland Seeds	DSR-0904/R2Y	0.9	<b>67.9</b>	9.4	1.0
Wensman	W 3090NR2	0.8	<b>67.3</b>	9.2	1.0
Peterson Farms Seed	14R09N	0.9	<b>67.2</b>	9.4	1.0
Prairie Brand	PB-1147R2	0.9	<b>66.9</b>	9.4	1.0
Peterson Farms Seed	13R08N	0.8	<b>66.7</b>	9.3	1.0
Prairie Brand	PB-0777R2	0.7	64.8	9.6	1.0
Dairyland Seeds	DSR-0711/R2Y	0.7	64.8	9.3	1.0
Check	Check	1.7	64.0	9.3	1.0
Legacy Seeds	LS0833 NRR2	0.8	63.0	9.5	1.0
Sodak Genetics	SD2091R2Y	0.9	62.8	9.4	1.0
Federal Hybrids	F084NRR2Y	0.8	62.3	9.4	1.0
Nuseed	2093 RR2YN	0.9	60.8	9.4	1.0
Nuseed	2074 RR2YN	0.7	60.5	9.4	1.0
Wensman	W 3076R2	0.7	59.1	9.4	1.0
Nutech/G2 Genetics	6084R2	0.8	57.8	9.5	1.0
<b>Trial Average</b>			64.4	9.4	1.0
<b>LSD (0.05)†</b>			3.9	0.4	-
<b>C.V.‡</b>			3.7	2.2	-

\* 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.

‡ 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 3 replications) - Maturity Group 1 at Bath, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Federal Hybrids	F143RR2Y	1.4	<b>69.9</b>	9.1	1.0
Prairie Brand	PB-1956R2	1.9	<b>68.3</b>	9.1	1.0
Prairie Brand	PB-1947R2	1.9	<b>67.6</b>	9.1	1.0
Prairie Brand	PB-1611R2	1.6	<b>66.7</b>	9.0	1.0
Peterson Farms Seed	14R13	1.3	<b>66.0</b>	9.3	1.0
Prairie Brand	PB-1566R2	1.5	<b>65.9</b>	9.1	1.0
Channel	1508R2	1.5	65.4	8.8	1.0
Wensman	W 3102NR2	1.0	65.4	9.0	1.0
Proseed	30-18	1.8	65.1	8.9	1.0
Prairie Brand	PB-1794R2	1.7	65.0	9.3	1.0
Dairyland Seed	DSR-1340/R2Y	1.3	64.9	9.0	1.0
Proseed	30-11	1.1	64.8	9.3	1.0
Stine	14RF06	1.4	64.7	8.8	1.0
Peterson Farms Seed	14R11N	1.1	64.7	9.2	1.0
Pioneer	P13T99R	1.3	64.6	9.4	1.0
REA Hybrids	R1515	1.5	64.6	8.9	1.0
Legacy Seeds	LS1134 NRR2	1.1	64.6	9.1	1.0
Great Lakes Hybrids	1441R2	1.4	64.2	9.0	1.0
REA Hybrids	R1215	1.2	64.1	9.2	1.0
Hefty	EXP H15R5	1.5	64.0	9.0	1.0
Proseed	30-12	1.2	63.8	9.0	1.0
Dairyland Seed	DSR-1120/R2Y	1.1	63.8	8.9	1.0
Wensman	W 3121NR2	1.2	63.8	8.9	1.0
Hefty	EXP H13R5	1.3	63.7	9.0	1.0
Hefty	EXP H16R5	1.6	63.7	9.0	1.0
Wensman	W 3158NR2	1.5	63.6	8.8	1.0
Channel	1207R2	1.2	63.1	9.1	1.0
Pioneer	P16T04R	1.3	62.9	8.9	1.0
Great Lakes Hybrids	1829R2	1.8	62.8	9.0	1.0
Nutech/G2 Genetics	7157	1.5	62.8	9.1	1.0
<b>Trial Average</b>			62.9	9.1	1.0
<b>LSD (0.05)†</b>			4.1	0.3	-
<b>C.V.‡</b>			4.0	2.3	-

\* 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.

‡ 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 3 replications) - Maturity Group 1 at Bath, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Prairie Brand	PB-1822R2	1.8	62.1	9.1	1.0
Nutech/G2 Genetics	7104	1.0	62.1	9.1	1.0
Proseed	PX411N	1.0	61.8	8.9	1.0
Check	Check	1.7	61.7	8.7	1.0
Nuseed	2122 RR2YN	1.2	61.6	9.0	1.0
Legacy Seeds	LS1314 NRR2	1.3	61.5	9.0	1.0
Prairie Brand	PB-1466R2	1.4	61.3	9.0	1.0
Hefty	EXP H11R5	1.1	61.2	9.4	1.0
Stine	10RD03	1.0	61.2	8.9	1.0
Sodak Genetics	SD2172R2Y	1.7	61.1	8.9	1.0
Pioneer	P19T60R	1.9	61.1	9.1	1.0
Nutech/G2 Genetics	6112	1.1	61.1	9.0	1.0
REA Hybrids	71G20	1.1	61.0	9.4	1.0
Pioneer	P10T02R	1.0	61.0	9.3	1.0
Dairyland Seed	DSR-1515/R2Y	1.2	60.7	9.1	1.0
Channel	1308R2	1.3	60.5	9.1	1.0
REA Hybrids	71G14	1.1	60.4	9.3	1.0
Federal Hybrids	F115NRR2Y	1.1	60.0	9.1	1.0
REA Hybrids	75G12	1.5	59.8	8.8	1.0
Peterson Farms Seed	12R12	1.1	59.7	9.2	1.0
Wensman	W 3128R2	1.2	59.4	9.2	1.0
Sodak Genetics	SD2101R2Y	1.0	59.3	8.9	1.0
Nutech/G2 Genetics	6143	1.4	58.0	8.9	1.0
Channel	1108R2	1.1	57.5	9.2	1.0
<b>Trial Average</b>			62.9	9.1	1.0
<b>LSD (0.05)†</b>			4.1	0.3	-
<b>C.V.‡</b>			4.0	2.3	-

\* 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.

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