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Location: 11 miles north and 2.75 miles west of Miller (57362) in Hand County, SD
(GPS: N 44°41.589' W 099°02.612')

Cooperator: Reno Brueggeman

Soil Type: Houdek-Dudley loams, nearly level

Fertilizer: none

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: Valor, Dimetric & Glyphosate

Post: Glyphosate, Extreme, Warrant, Cadet, and Select Max

Date seeded: 5/23/2014

Date harvested: 10/2/2014

Table 1a. Glyphosate-resistant soybean variety performance results (average of 3 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)*
Prairie Brand	PB-1611R2	1.6	39.4	10.3	1.0
Wensman	W 3140R2	1.5	38.3	11.1	1.0
Prairie Brand	PB-1947R2	1.9	38.1	10.9	1.0
Dairyland	DSR-1515/R2Y	1.5	38.0	11.2	1.0
Sodak Genetics	2172R2Y	1.7	37.9	11.2	1.0
Wensman	W 3195NR2	1.9	37.8	10.6	1.0
Pioneer	P19T60R	1.9	37.6	10.8	1.0
Hefty	EXP H18R5	1.8	37.4	10.5	1.0
Sodak Genetics	2091R2Y	0.9	37.3	11.1	1.0
Federal Hybrids	F143RR2Y	1.4	37.3	10.8	1.0
Hefty	EXP H13R5	1.3	37.2	11.4	1.0
Check	Check	1.7	37.2	11.0	1.0
Hefty	EXP H16R5	1.6	37.1	11.0	1.0
Pioneer	P16T04R	1.6	36.9	9.8	1.0
Channel	1808R2	1.8	36.4	10.6	1.0
Prairie Brand	PB-1822R2	1.8	36.3	10.4	1.0
Prairie Brand	PB-1466R2	1.4	36.2	11.3	1.0
Hefty	EXP H15R5	1.5	35.8	11.3	1.0
Federal Hybrids	F115NRR2Y	1.1	35.6	11.4	1.0
REA Hybrids	R1515	1.5	35.3	10.2	1.0
REA Hybrids	75G12	1.5	35.2	11.0	1.0
Prairie	PB-1566R2	1.5	35.1	10.8	1.0
Hefty	EXP H17R5	1.7	35.0	11.5	1.0
Federal Hybrids	F154NRR2Y	1.5	34.7	10.6	1.0
Titan Pro	TP-17R54	1.7	34.6	11.0	1.0
Prairie Brand	PB-1956R2	1.9	34.5	11.4	1.0
Wensman	W 3158NR2	1.5	34.5	11.1	1.0
Nutech/G2 Genetics	7104	1.0	34.2	11.2	1.0
Nutech/G2 Genetics	6112	1.1	34.1	9.8	1.0
Nutech/G2 Genetics	6143	1.4	34.1	11.0	1.0
Trial Average			35.4	10.9	1.0
LSD (0.05)†			2.7	0.6	-
C.V.‡			4.6	3.6	-

* 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 1a. Glyphosate-resistant soybean variety performance results, continued (average of 3 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)*
Wensman	W 3170NR2	1.7	34.0	11.1	1.0
REA Hybrids	78G12	1.8	34.0	10.8	1.0
Channel	1508R2	1.5	34.0	10.4	1.0
Titan Pro	15M22	1.5	33.8	10.8	1.0
Channel	1308R2	1.3	33.5	11.0	1.0
REA Hybrids	R1815	1.8	33.5	10.9	1.0
Sodak Genetics	2101R2Y	1.0	33.5	10.9	1.0
Prairie Brand	PB-1794R2	1.7	33.4	11.8	1.0
Wensman	W 3160NR2	1.6	33.4	11.0	1.0
Wensman	W 3128R2	1.2	32.9	11.3	1.0
Dairyland	DSR-1990/R2Y	1.9	32.6	10.8	1.0
Nutech/G2 Genetics	7157	1.5	32.6	11.3	1.0
Trial Average			35.4	10.9	1.0
LSD (0.05)†			2.7	0.6	-
C.V.‡			4.6	3.6	-

* 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

Table 2. Glyphosate-resistant soybean variety performance results (average of 3 replications) - Maturity Group 2 at Miller, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Pioneer	P22T69R	2.2	38.5	10.6	1.0
Prairie Brand	PB-2188R2	2.1	37.7	11.0	1.0
Titan Pro	20M1	2.0	37.2	10.6	1.0
Check	Check	1.7	36.9	10.7	1.0
Prairie Brand	PB-2600R2	2.6	36.5	13.8	1.0
Great Lakes Hybrids	2569R2	2.0	35.9	12.6	1.0
Prairie Brand	EXP-1947R2	2.0	35.7	10.5	1.0
Nutech/G2 Genetics	7233	2.3	35.1	11.3	1.0
REA Hybrids	80G11	2.0	35.1	10.6	1.0
Great Lakes Hybrids	2469R2	2.0	35.1	11.0	1.0
Great Lakes Hybrids	2289R2	2.0	34.9	10.9	1.0
Pioneer	P22T61R	2.2	34.9	10.5	1.0
Channel	2108R2	2.1	34.7	10.9	1.0
Pioneer	P21T66R2	2.1	34.6	10.5	1.0
Prairie Brand	PB-2319R2	2.3	34.4	11.6	1.0
Prairie Brand	PB-2556R2	2.5	34.2	13.8	1.0
Nutech/G2 Genetics	7216	2.1	34.2	10.8	1.0
Prairie Brand	PB-2024R2	2.0	33.5	11.0	1.0
Prairie Brand	PB-2230R2	2.1	33.2	10.3	1.0
Pioneer	P25T51R	2.5	33.2	11.5	1.0
REA Hybrids	R2115	2.1	33.1	10.8	1.0
Nutech/G2 Genetics	7204R2	2.0	32.9	9.7	1.0
Trial Average			35.1	11.1	1.0
LSD (0.05)†			1.9	0.9	-
C.V.‡			3.3	4.8	-

* 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.

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