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Location: 4.5 miles north and 1.5 mile east of Geddes (57432) in Charles Mix County, SD
(GPS: 43.320134, -98.664704)

Cooperator: Curtis Sybesma

Soil Type: Eakin silt loam, 0-2% slopes

Fertilizer: none

Previous crop: Soybeans

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: 5 oz Authority First (sulfentrazone+cloransulam), 4 oz Sencore (metribuzin),
24 oz Roundup (glyphosate)
Post: 33 oz Roundup Power Max (glyphosate)

Insecticide: None

Date seeded: 6/1/2017

Date harvested: 10/11/2017

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)*
Great Lakes Hybrids	1953NR2	1.9	63.9	10.0	1.0
Dairyland Seed	DSR-1950/R2Y	1.9	63.6	10.0	1.0
Check	CHECK	1.4	59.9	10.0	1.0
Wensman	W1184NRX	1.8	57.4	10.0	1.0
Thunder Seed	3614 R2YN	1.4	56.0	9.9	1.0
Thunder Seed	SB8811N	1.1	54.5	10.2	1.0
Thunder Seed	SB8710N	1.0	53.9	10.1	1.0
Trial Average			58.3	10.0	1.0
LSD (0.05)†			2.6	0.2	-
C.V.‡			3.2	1.1	-

* 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**.

‡ 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 Geddes, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Renk	RS265NR2	2.6	67.3	11.0	1.0
Renk	RS248NX	2.4	66.5	10.7	1.0
Wensman	W1208NRX	2.0	65.6	10.0	1.0
Great Lakes Hybrids	2063NRX	2.0	63.8	10.1	1.0
Dairyland Seed	DSR-2616/R2Y	2.6	63.7	11.5	1.0
Dyna-Gro	S26RS75	2.6	63.3	10.3	1.0
Dyna-Gro	S23RY85	2.3	62.1	9.9	1.0
Great Lakes Hybrids	2269NR2	2.2	62.0	9.9	1.0
Wensman	W3228NR2	2.3	61.4	9.9	1.0
Dairyland Seed	DSR-2110/R2Y	2.1	61.4	10.0	1.0
Great Lakes Hybrids	2372NRX	2.3	61.1	9.9	1.0
Check	CHECK	1.4	60.5	9.9	1.0
Wensman	W1218NRX	2.1	60.3	10.0	1.0
Great Lakes Hybrids	2870NRX	2.8	60.0	11.6	1.0
Wensman	W1233RX	2.2	59.7	9.9	1.0
Great Lakes Hybrids	2551NR2	2.5	59.6	10.1	1.0
Great Lakes Hybrids	2469R2	2.4	59.2	10.0	1.0
Peterson Farms Seed	17X21N	2.1	59.2	9.9	1.0
Peterson Farms Seed	18X23N	2.3	59.1	10.2	1.0
Great Lakes Hybrids	2673NRX	2.6	59.1	10.1	1.0
Dyna-Gro	S24RY87	2.4	58.3	10.1	1.0
Wensman	W1220NRX	2.2	58.0	9.9	1.0
Renk	RS228NX	2.2	57.1	10.0	1.0
Dairyland Seed	DSR-2330/R2Y	2.3	56.5	10.1	1.0
Trial Average			61.0	10.2	1.0
LSD (0.05)†			3.1	0.5	-
C.V.‡			3.6	3.3	-

* 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.