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Location: 5 miles north and 1 mile east of Geddes (57432) in Charles Mix County, SD
(GPS: 43.326899, -98.685335)

Cooperator: Curtis Sybesma

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

Fertilizer: 6-26-0 broadcast

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: 2, 4-D Ester, Authority First, & Metribuzin 75
Post: 1 qt Roundup Power Max (glyphosate) (2X) + Intensity (clethodim)

Insecticide: None

Date seeded: 6/2/2016

Date harvested: 10/13/2016

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 | GL1953NR2 | 1.9 | 69.4 | 12.1 | 1.0 |
| Great Lakes Hybrids | GL1760NRX | 1.7 | 67.6 | 12.5 | 1.0 |
| Check | Check | 1.4 | 67.4 | 12.7 | 1.0 |
| Thunder Seed | 3619 R2YN | 1.9 | 64.4 | 12.2 | 1.0 |
| Channel | 1808R2 | 1.8 | 64.2 | 12.4 | 1.0 |
| Thunder Seed | 3511 R2YN | 1.1 | 63.4 | 12.9 | 1.0 |
| Thunder Seed | 3614 R2YN | 1.4 | 62.9 | 12.8 | 1.0 |
| Thunder Seed | EXP 8718N | 1.8 | 62.4 | 12.6 | 1.0 |
| Thunder Seed | EXP 8713N | 1.3 | 61.6 | 12.8 | 1.0 |
| Thunder Seed | EXP 8710N | 1.0 | 58.4 | 12.9 | 1.0 |
| Trial Average | | | 64.2 | 12.6 | 1.0 |
| LSD (0.05)† | | | 2.8 | 0.3 | - |
| C.V.‡ | | | 3.0 | 1.6 | - |

* 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. 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-2156R2 | 2.1 | 78.8 | 11.6 | 1.0 |
| Prairie Brand | PB-2600R2 | 2.6 | 77.8 | 11.6 | 1.0 |
| Wensman | W3228NR2 | 2.2 | 74.3 | 11.9 | 1.0 |
| Wensman | W1233RX | 2.3 | 73.8 | 11.7 | 1.0 |
| Prairie Brand | PB-2419RR2 | 2.4 | 73.7 | 11.5 | 1.0 |
| Great Lakes Hybrids | GL2063NRX | 2.0 | 73.4 | 11.5 | 1.0 |
| Dairyland Seed | DSR-2616/R2Y | 2.6 | 72.0 | 11.7 | 1.0 |
| Great Lakes Hybrids | GL2269NR2 | 2.2 | 71.7 | 11.6 | 1.0 |
| Prairie Brand | PB-2876R2 | 2.8 | 71.6 | 11.8 | 1.0 |
| Wensman | W3226NR2 | 2.2 | 71.3 | 11.9 | 1.0 |
| Great Lakes Hybrids | GL2469R2 | 2.4 | 70.9 | 11.8 | 1.0 |
| Prairie Brand | PB-2296R2 | 2.2 | 70.5 | 11.2 | 1.0 |
| Prairie Brand | PB-2486R2 | 2.4 | 69.9 | 11.8 | 1.0 |
| Wensman | W3201NR2 | 2.0 | 69.8 | 12.0 | 1.0 |
| Titan Pro | 22M12 | 2.2 | 69.8 | 12.0 | 1.0 |
| Wensman | W1208NRX | 2.0 | 69.1 | 11.5 | 1.0 |
| Prairie Brand | PB-2024R2 | 2.0 | 69.1 | 11.9 | 1.0 |
| NuTech | 7279 | 2.7 | 69.0 | 11.3 | 1.0 |
| Great Lakes Hybrids | GL2465NRX | 2.4 | 68.4 | 11.4 | 1.0 |
| Prairie Brand | PB-3087R2 | 2.9 | 68.3 | 11.8 | 1.0 |
| NuTech | 7224 | 2.2 | 68.2 | 11.8 | 1.0 |
| Check | Check | 1.4 | 68.0 | 12.2 | 1.0 |
| Titan Pro | TP-24R26 | 2.4 | 67.8 | 11.6 | 1.0 |
| Prairie Brand | PB-2576R2 | 2.5 | 67.6 | 12.1 | 1.0 |
| Prairie Brand | PB-2788R2 | 2.7 | 67.4 | 11.4 | 1.0 |
| Trial Average | | | 69.6 | 11.7 | 1.0 |
| LSD (0.05)† | | | 3.7 | 0.4 | - |
| C.V.‡ | | | 3.8 | 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. 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)* |
| Dyna-Gro Seed | S26RS75 | 2.6 | 67.1 | 12.3 | 1.0 |
| Wensman | W1255NRX | 2.5 | 67.0 | 11.5 | 1.0 |
| NuTech | 7217R2 | 2.1 | 66.4 | 12.2 | 1.0 |
| Channel | 2108R2 | 2.1 | 66.4 | 11.8 | 1.0 |
| Dyna-Gro Seed | S23RY85 | 2.3 | 66.3 | 12.1 | 1.0 |
| Channel | 2306R2 | 2.3 | 66.0 | 11.9 | 1.0 |
| Titan Pro | TP-28X45 | 2.8 | 65.8 | 11.4 | 1.0 |
| Dairyland Seed | DSR-2330/R2Y | 2.3 | 64.6 | 11.9 | 1.0 |
| Dyna-Gro Seed | S20RY45 | 2.0 | 64.0 | 12.1 | 1.0 |
| Trial Average | | | 69.6 | 11.7 | 1.0 |
| LSD (0.05)† | | | 3.7 | 0.4 | - |
| C.V.‡ | | | 3.8 | 2.2 | - |

* 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.