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2016 South Dakota

Soybean Variety Trial Results - Beresford

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Location: 6 miles west and 3 miles south of Beresford (57432) in Clay county, SD
(GPS: 43.046386, -96.902161)

Cooperator: SDSU Southeast Research Farm - Peter Sexton, manager

Soil Type: Egan-Clarno-Trent silty clay loam, 0-2% slope, non-irrigated

Fertilizer: None

Previous crop: Corn

Tillage: No-till

Row spacing: 30 inches

Seeding Rate: 165,000/acre

Herbicide: Pre: 32 oz Roundup Power Max (glyphosate) + 1.33 pt Dual (metolachlor) + 4 oz
Glory (metribuzen) + 1 oz Sharpen (saflufenacil)
Post: 0.3 oz FirstRate (cloransulam) + 12 oz Flexstar (fomesafen) + 6 oz Select
(clethodim)

Insecticide: None

Date seeded: 5/20/2016

Date harvested: 10/24/2016

Table 1. Glyphosate-resistant soybean variety performance results (average of 4 replications) - Maturity Group 1 at Beresford, SD).					
Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Great Lakes Hybrids	GL1953NR2	1.9	81.8	12.9	1.0
Channel	1808R2	1.8	78.1	13.0	1.0
Thunder Seed	3614 R2YN	1.4	77.1	13.2	1.0
Thunder Seed	3619 R2YN	1.9	76.7	12.8	1.0
Thunder Seed	3511 R2YN	1.1	75.8	13.2	1.0
Thunder Seed	EXP 8713N	1.3	71.4	13.2	1.0
Great Lakes Hybrids	GL1760NRX	1.7	71.4	13.0	1.0
Check	Check	1.4	71.2	13.3	1.0
Thunder Seed	EXP 8710N	1.0	68.3	13.2	1.0
Thunder Seed	EXP 8718N	1.8	67.6	12.8	1.0
Trial Average			73.9	13.0	1.0
LSD (0.05)†			4.1	0.2	-
C.V.‡			3.8	1.0	-

* 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 Beresford, SD).					
Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Stine	24RH62	2.4	84.1	12.6	1.0
Great Lakes Hybrids	GL2469R2	2.4	82.2	12.8	1.0
Stine	28RH02	2.8	81.8	12.7	1.0
Dyna-Gro Seed	S23RY85	2.3	81.3	12.6	1.0
Prairie Brand	PB-2876R2	2.8	81.3	12.5	1.0
Prairie Brand	PB-2600R2	2.6	80.6	12.4	1.0
Prairie Brand	PB-2419RR2	2.4	80.3	12.2	1.0
Wensman	W3228NR2	2.2	79.7	12.3	1.0
Wensman	W1208NRX	2.0	79.3	12.3	1.0
Wensman	W3226NR2	2.2	79.1	12.7	1.0
Great Lakes Hybrids	GL2063NRX	2.0	78.5	12.4	1.0
Prairie Brand	PB-3087R2	2.9	78.2	12.4	1.0
NuTech	7279	2.7	78.2	12.5	1.0
Dairyland Seed	DSR-2330/R2Y	2.3	77.7	12.8	1.0
Dairyland Seed	DSR-2616/R2Y	2.6	77.3	12.3	1.0
Titan Pro	TP-24R26	2.4	77.2	12.7	1.0
Dyna-Gro Seed	S26RS75	2.6	77.0	12.9	1.0
Prairie Brand	PB-2486R2	2.4	76.6	12.7	1.0
Titan Pro	TP-28X45	2.8	76.5	12.5	1.0
Prairie Brand	PB-2576R2	2.5	76.1	12.7	1.0
Wensman	W3201NR2	2.0	76.0	13.2	1.0
Wensman	W1233RX	2.3	75.7	12.3	1.0
Channel	2607R2	2.6	74.9	12.6	1.0
Channel	2306R2	2.3	74.9	12.3	1.0
Prairie Brand	PB-2296R2	2.2	74.8	12.4	1.0
Dyna-Gro Seed	S20RY45	2.0	74.6	12.8	1.0
Prairie Brand	PB-2788R2	2.7	74.5	12.4	1.0
Prairie Brand	PB-2156R2	2.1	74.3	12.8	1.0
Great Lakes Hybrids	GL2269NR2	2.2	74.3	12.4	1.0
Wensman	W1255NRX	2.5	73.3	12.4	1.0
Trial Average			75.9	12.6	1.0
LSD (0.05)†			4.6	0.4	-
C.V.‡			4.3	2.1	-

* 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 Beresford, SD).

Variety Information			Agronomic Performance		
Brand	Variety	Maturity Rating	Yield (bu/ac@13%)	Moisture %	Lodging Score (1-5)*
Great Lakes Hybrids	GL2465NRX	2.4	72.9	12.4	1.0
Check	Check	1.4	70.7	12.9	1.0
Prairie Brand	PB-2024R2	2.0	70.2	12.6	1.0
NuTech	7217R2	2.1	69.7	12.9	1.0
NuTech	7224	2.2	68.8	12.9	1.0
Titan Pro	22M12	2.2	68.6	12.8	1.0
Stine	29RE22	2.9	63.4	12.3	1.0
Trial Average			75.9	12.6	1.0
LSD (0.05)†			4.6	0.4	-
C.V.‡			4.3	2.1	-

* 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.