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Location: 6 miles west & 3 miles south of Beresford (57342) in Clay County
(GPS: UTM 14N, 671008 m East 4768053 m North)

Cooperator: SDSU Southeast Research Center – Peter Sexton and staff

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

Previous Crop: Corn

Tillage: Conventional

Row Spacing: 30 inches

Seeding Rate: 165,000/acre

Pest Management: Glyphosate, Dual, Sharpen, Metribuzen – Pre; First Rate, Flexstar – Post

Date seeded/harvested: May 23/Oct. 8

Table 1. Glyphosate-resistant soybean variety performance results (average of 3 replications sorted by yield) – Maturity Group 1 Trial at Beresford (1 Brand, 5 varieties).						
Varietal Information			Measurements			
Brand	Variety	Maturity Rating	Yield Bu/A (13%)	Moisture %	Lodging Score	Days to Maturity
Sodak Genetics	SD2172R2Y	1.7	74.3	10.7	1.7	121
Sodak Genetics	SD2182R2Y	1.8	72.9	10.5	1.0	123
Sodak Genetics	SD2179	1.7	72.6	10.8	1.0	123
-	CHECK	1.8	68.8	10.8	1.7	121
Sodak Genetics	SD2101R2Y	1.0	68.0	10.6	1.0	120
Sodak Genetics	SD2102R2Y	1.0	64.8	10.8	2.0	120
Trial Average			70.3	10.7	1.5	121
LSD (0.05)†			4.5	0.2	NS	2
C.V.			3.6	1.0	-	0.6

† Yield, moisture, lodging, or days to maturity value required (\geq LSD) to determine if varieties are different from each other with confidence

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

2013 Soybean Variety Trial Results – Beresford

Table 2a. Glyphosate-resistant soybean variety performance results (average of 3 replications sorted by yield) – Maturity Group 2 Trial at Beresford (10 Brands, 55 varieties).						
Varietal Information			Measurements			
Brand	Variety	Maturity Rating	Yield Bu/A (13%)	Moisture %	Lodging Score	Days to Maturity
Dairyland	DSR-2250/R2Y	2.2	70.7	10.9	1.3	123
Asgrow	AG2134	2.1	70.0	10.6	1.3	123
Prairie Brand	PB-2230R2	2.3	70.0	10.7	1.0	123
Channel	2706R2	2.7	68.9	10.8	2.0	128
Channel	2306R2	2.3	68.8	10.8	1.3	125
Channel	2207R2	2.2	68.6	10.9	1.7	124
Wensman	W 3222NR2	2.2	68.5	10.6	1.3	122
Asgrow	AG2733	2.7	68.0	10.5	1.0	127
Prairie Brand	PB-2351R2	2.3	68.0	10.9	2.0	123
Prairie Brand	PB-2506R2	2.5	67.9	10.8	1.0	126
Mustang	26623	2.6	67.8	10.8	2.3	125
Prairie Brand	PB-2650R2	2.5	67.6	11.1	1.0	129
Pioneer	92Y83	2.8	67.6	10.8	1.3	129
Stine	22RD00	2.2	67.6	10.7	1.7	121
Mustang	24322	2.4	67.5	11.4	2.0	126
Wensman	W 3230R2	2.3	67.4	10.7	1.0	125
Hefty	H23R3	2.9	67.2	10.9	1.7	127
Renk	RS241R2	2.4	67.0	10.7	1.3	126
Prairie Brand	PB-2668R2	2.6	66.6	10.7	1.3	128
Wensman	W3214NR2	2.1	66.3	10.8	1.0	123
Hefty	H26R3	2.6	66.2	10.8	1.7	128
Stine	24RD03	2.4	65.9	10.9	1.3	124
Dairyland	DSR-2105/R2Y	2.1	65.3	10.7	1.0	123
Mustang	25333	2.5	65.1	11.0	1.0	126
Hefty	EXP H28R4	2.8	65.1	11.1	1.7	128
Prairie Brand	PB-2544R2	2.5	65.0	11.5	2.0	125
Stine	26RD02	2.6	65.0	10.9	1.7	128
Wensman	W 3200NR2	2.0	64.9	10.7	1.7	125
Dairyland	DSR-2340/R2Y	2.3	64.9	10.9	1.7	124
Pioneer	93M11	2.9	64.5	10.9	1.0	131
Wensman	W 3256NR2	2.5	64.3	11.2	2.0	125
Prairie Brand	PB-2419RR2	2.3	64.3	10.5	1.7	124
Stine	28RE20	2.8	64.3	10.5	1.3	128
-	CHECK	1.8	64.2	10.7	2.3	123
Asgrow	AG2433	2.4	64.1	10.7	1.0	126
Trial Average			64.9	10.8	1.4	126
LSD (0.05)			5.0	0.3	0.8	1
C.V.			4.8	2.0	36.6	0.5

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Table 2a. Glyphosate-resistant soybean variety performance results (average of 3 replications sorted by yield) – Maturity Group 2 Trial at Beresford (10 Brands, 55 varieties).						
Varietal Information			Measurements			
Brand	Variety	Maturity Rating	Yield Bu/A (13%)	Moisture %	Lodging Score	Days to Maturity
Prairie Brand	PB-2798R2	2.7	63.7	10.8	1.0	129
Pioneer	P24T19R	2.4	63.4	10.8	1.0	124
Pioneer	P25T51R	2.5	63.2	11.1	1.0	124
Hefty	H20R3	2.0	62.8	10.8	1.7	125
Asgrow	AG2933	2.9	62.7	11.0	1.0	128
Asgrow	AG2031	2.0	62.6	10.6	2.0	128
Hefty	H26R3S	2.6	62.5	11.0	1.0	124
Hefty	H23Y10	2.9	62.4	10.6	1.0	124
Prairie Brand	PB-2997R2	2.8	62.2	10.9	2.3	128
Prairie Brand	PB-2024R2	2.0	62.2	10.8	1.3	126
Dairyland	DSR-2612/R2Y	2.6	62.1	10.9	1.0	127
Hefty	H20Y12	2.1	61.9	10.5	1.0	124
Channel	2607R2	2.6	61.8	10.7	1.0	128
Channel	2402R2	2.4	61.7	10.6	1.7	124
Pioneer	92Y51	2.5	61.7	10.9	1.3	128
Channel	2105R2	2.1	61.4	11.3	1.3	128
Channel	2907R2	2.9	61.1	10.8	1.7	126
Stine	29RD22	2.8	60.4	10.9	1.3	131
Renk	RS283NR2	2.8	58.5	10.9	1.3	129
Wensman	W 3284NR2	2.8	56.5	10.9	1.7	132
Trial Average			64.9	10.8	1.4	126
LSD (0.05)			5.0	0.3	0.8	1
C.V.			4.8	2.0	36.6	0.5

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