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Location: 6 miles west & 3 miles south of Beresford (57004) in Clay County  
(GPS: UTM 14N, 670979 m East 4768145 m North)

Cooperator: SDSU Southeast Research Center – Peter Sexton and staff

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

Fertility-Yield Goal: 200 bu/ac

Fertilizer program: 62 lbs N/ac & 84 lbs P<sub>2</sub>O<sub>5</sub>/ac – Preplant; 30-10-10 (N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O lbs/ac) – Starter;  
42 lbs N/ac – Sidedress

Previous Crop: Soybean

Tillage: No-till

Row Spacing: 30 inches

Seeding Rate: 29,620/acre

Weed Management: Dual and Glyphosate – Pre, Callisto and Atrazine – Post

Date seeded/harvested: May 14/Nov. 8

## 2013 Corn Hybrid Trial Results – Beresford

Table 1a. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – <b>Early Season Trial (110 day or less) at Beresford (10 Brands, 36 hybrids).</b>							
Hybrid Information			Measurements				
Brand	Hybrid	Relative Maturity	Yield Bu/A (15.5%)	Grain Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A x 1000)
Hoegemeyer	HPT 7876 AM	108	<b>233.6</b>	18.7	61.7	4.2	28.5
NuTech	5B-410	110	<b>232.6</b>	19.0	58.9	0.4	27.8
Dairyland	DS-9610	110	<b>231.5</b>	19.0	59.3	3.9	27.9
Channel	209-53STX	109	<b>227.9</b>	20.2	60.1	1.6	28.1
Pioneer	P0533AM1	105	<b>227.9</b>	17.9	61.7	0.4	28.9
NuTech/G2 Genetics	5Z-109	109	<b>225.6</b>	19.8	61.2	8.9	28.0
Hoegemeyer	HPT 8066 AM	110	<b>225.3</b>	18.8	61.4	13.2	28.0
NuTech/G2 Genetics	5F-008	108	<b>225.0</b>	18.4	61.4	2.4	28.1
Wensman	W 7330VT3PRIB	104	<b>224.7</b>	17.0	58.1	0.4	27.4
	<b>CHECK</b>	99	<b>223.8</b>	16.9	61.2	0.4	29.0
NuTech/G2 Genetics	5Z-709	109	<b>223.4</b>	18.6	60.2	16.8	28.0
Pioneer	P0193AM	101	<b>222.9</b>	16.6	59.3	0.0	27.1
Hoegemeyer	HPT 7644 HX/LL/RR	106	<b>222.5</b>	17.8	60.9	3.4	28.4
NuTech/G2 Genetics	5H-707	107	<b>221.2</b>	18.0	60.7	3.9	27.6
Pioneer	P0636HR	106	220.2	17.7	60.8	1.6	28.0
DEKALB	DKC52-04RIB	102	220.0	17.1	59.6	0.8	28.7
NuTech/G2 Genetics	5H-905	105	219.4	16.6	59.3	1.5	28.2
NuTech/G2 Genetics	5H-610	110	218.2	18.5	60.9	3.3	27.1
Renk	RK797SSTX	109	217.6	17.8	60.8	0.8	27.8
Renk	RK776VT3P	107	217.5	18.7	61.2	6.2	26.8
NuTech/G2 Genetics	5H-805	105	217.3	17.5	60.5	0.0	28.2
Wensman	W 7473VT3PRIB	109	217.1	18.6	57.2	0.4	27.3
NuTech/G2 Genetics	5H-806	106	216.8	17.8	61.2	2.1	26.5
Pioneer	P0297XR	102	215.9	17.3	60.9	1.5	28.0
Wensman	W 7459VT3PRIB	107	214.3	17.9	59.3	0.4	27.7
Renk	RK791SSTX	108	214.2	17.2	59.8	8.2	28.0
DEKALB	DKC57-75RIB	107	211.9	17.7	59.7	1.9	27.3
Channel	208-49STX	108	210.5	18.8	60.5	0.8	28.4
Pioneer	P0876YHR	108	210.1	20.1	62.8	4.3	27.9
NuTech/G2 Genetics	5F-811	110	209.0	19.8	61.2	6.7	27.7
Trial Average			217.3	18.1	60.3	3.7	27.8
LSD (0.05)†			13.0	0.8	1.2	3.7	1.0
C.V.‡			4.3	3.2	1.4	-	2.6

† Yield, moisture, test weight, lodging, and plant population value required ( $\geq$ LSD) to determine if hybrids are different from each other with confidence.

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

\*Lodging percentage – stalks broken below the ear as a percentage of the final stand.

## 2013 Corn Hybrid Trial Results – Beresford

Table 1b. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – <b>Early Season Trial (110 day or less) at Beresford (10 Brands, 36 hybrids).</b>							
Hybrid Information			Measurements				
Brand	Hybrid	Relative Maturity	Yield Bu/A (15.5%)	Grain Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A x 1000)
Wensman	W 9325STXRIB	102	207.7	16.7	60.0	0.0	27.7
Channel	206-78STX	106	205.2	17.7	61.0	3.3	26.9
DEKALB	DKC53-56RIB	103	200.5	17.0	60.5	0.0	27.7
Dairyland	DS-9809RA	109	199.9	18.4	58.6	5.3	28.5
Epley	E1804VT3PRO	108	195.8	19.3	59.7	21.9	27.9
Wensman	W 91011STX	101	194.2	16.5	60.0	0.4	26.0
Trial Average			217.3	18.1	60.3	3.7	27.8
LSD (0.05)†			13.0	0.8	1.2	3.7	1.0
C.V.‡			4.3	3.2	1.4	-	2.6

† Yield, moisture, test weight, lodging, and plant population value required ( $\geq$ LSD) to determine if hybrids are different from each other with confidence.

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

\*Lodging percentage – stalks broken below the ear as a percentage of the final stand.

## 2013 Corn Hybrid Trial Results – Beresford

Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – **Late Season Trial (111 day or more) at Beresford (5 Brands, 8 hybrids).**

Hybrid Information			Measurements				
Brand	Hybrid	Relative Maturity	Yield Bu/A (15.5%)	Grain Moisture %	Test Wt. (lbs/bu)	Lodging* %	Final Stand (plants/A x 1000)
DEKALB	DKC62-97RIB	112	<b>225.2</b>	19.2	59.5	1.7	25.4
NuTech/G2 Genetics	5Z-612	112	<b>216.8</b>	20.0	59.9	18.2	28.2
	<b>CHECK</b>	99	<b>216.6</b>	16.9	60.5	1.1	28.5
DEKALB	DKC63-33RIB	113	211.1	18.2	60.8	0.4	27.3
Channel	211-24STX	111	210.6	18.4	59.4	3.9	28.1
Wensman	W 7566VT3PRIB	111	209.1	18.7	56.5	3.6	27.6
Pioneer	P1151AM	111	204.8	18.4	60.8	5.1	27.7
DEKALB	DKC61-16RIB	111	203.7	18.0	60.3	3.1	27.6
Trial Average			212.2	18.5	59.7	4.6	27.5
LSD (0.05)†			13.3	0.7	0.9	3.8	1.1
C.V.‡			4.2	2.6	1.0	-	2.6

† Yield, moisture, test weight, lodging, and plant population value required ( $\geq$ LSD) to determine if hybrids are different from each other with confidence.

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

\*Lodging percentage – stalks broken below the ear as a percentage of the final stand.