

Nathan Mueller | SDSU Extension Agronomist
Kevin Kirby | Ag Research Manager/Specialist
Shawn Hawks | Ag Research Manager/Specialist

Location: 1.5 miles west & 0.5 miles north of Geddes (57342) in Charles Mix County
(GPS: UTM 14N, 527310 m East 4790375 m North)

Cooperator: Curtis Sybesma Farm

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

Fertility-Yield Goal: 180 bu/ac, included starter fertilizer of 30-10-10 (N-P₂O₅-K₂O lbs/ac)

Previous Crop: Soybean

Tillage: No-till

Row Spacing: 30 inches

Seeding Rate: 25,300/acre

Weed Management: Harness Extra – Pre, Glyphosate – Post

Date seeded/harvested: May 14/Nov. 8

2013 Corn Hybrid Trial Results – Geddes

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – Early Season Trial (105 day or less) at Geddes (6 Brands, 16 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)
Epley	E1438VIP	104	232.0	17.3	58.9	0.9	24.7
Channel	202-64STX	102	227.9	16.7	60.3	0.0	24.5
Pioneer	P0533AM1	105	226.8	17.2	60.3	0.0	24.2
DEKALB	DKC52-04RIB	102	226.7	16.9	60.9	0.5	24.6
Pioneer	P0193AM	101	225.0	15.8	58.2	0.0	23.8
NuTech/G2 Genetics	5H-905	105	224.7	15.7	59.4	0.0	24.9
DEKALB	DKC53-56RIB	103	222.1	16.6	60.3	0.0	24.1
Channel	203-44STX	103	219.7	17.0	59.8	0.0	24.7
Wensman	W 9325STXRIB	102	219.4	15.6	60.5	1.3	24.0
Wensman	W 91011STX	101	216.6	15.5	60.8	0.0	23.8
DEKALB	DKC48-12RIB	98	215.8	14.5	58.3	0.0	25.2
Pioneer	P0297XR	102	215.6	16.4	60.3	0.0	25.3
NuTech/G2 Genetics	5H-805	105	213.0	16.3	60.3	0.0	24.5
DEKALB	DKC49-29RIB	99	211.8	16.5	60.1	0.5	24.2
	CHECK	99	204.9	16.7	61.2	0.5	24.9
Channel	201-39STX	101	202.7	15.6	59.0	0.5	24.0
Trial Average			219.0	16.3	59.9	0.3	24.5
LSD (0.05)†			14.6	0.9	1.0	NS	NS
C.V.‡			4.7	4.0	1.2	-	3.1

† 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 – Geddes

Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – **Late Season Trial (106 day or more) at Geddes (8 Brands, 25 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)
Dairyland	DS-9610	110	240.0	19.9	57.8	1.7	25.3
NuTech/G2 Genetics	5Z-709	109	236.8	19.8	59.1	1.3	24.5
NuTech/G2 Genetics	5F-811	110	227.4	20.7	61.1	0.0	24.5
NuTech/G2 Genetics	5Z-109	109	224.1	20.5	60.3	2.7	24.3
NuTech/G2 Genetics	5H-610	110	224.0	20.5	59.5	9.0	24.3
Pioneer	P0876YHR	108	222.6	20.4	60.8	1.8	24.8
Channel	211-24STX	111	222.2	20.2	58.9	4.3	23.3
Renk	RK776VT3P	107	221.8	19.2	60.8	2.2	24.3
Pioneer	P0636HR	106	220.0	17.8	59.8	0.9	24.8
Renk	RK791SSTX	108	219.9	19.0	59.4	1.4	24.0
NuTech	5B-410	110	218.5	19.6	58.2	4.6	23.8
NuTech/G2 Genetics	5H-707	107	217.3	19.1	58.8	1.9	23.6
Dairyland	DS-9809RA	109	217.2	18.6	57.9	0.9	24.9
Wensman	W 7459VT3PRIB	107	217.0	20.0	57.6	0.5	22.9
NuTech/G2 Genetics	5Z-612	112	216.5	19.5	60.3	1.4	23.1
Pioneer	P1151AM	111	216.0	21.2	59.3	3.6	24.7
Wensman	W 7473VT3PRIB	109	214.9	18.2	55.2	0.5	23.1
NuTech/G2 Genetics	5F-008	108	214.0	20.3	60.6	1.3	24.8
Epley	E1804VT3PRO	108	209.4	19.5	59.7	3.9	24.4
NuTech/G2 Genetics	5H-806	106	207.9	18.2	59.7	0.5	23.1
Channel	209-53STX	109	205.6	20.5	59.3	5.8	21.3
Channel	208-49STX	108	203.8	18.9	60.5	2.6	25.0
	CHECK	99	202.4	17.3	59.8	0.5	24.0
Renk	RK797SSTX	109	201.8	17.9	59.9	0.0	23.7
Channel	206-78STX	106	199.8	18.0	60.1	1.0	23.0
Trial Average			216.8	19.4	59.4	2.2	24.0
LSD (0.05)†			16.5	1.8	1.2	4.1	1.2
C.V.‡			5.4	6.7	1.4	-	3.4

† 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.