

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

Location: 2.5 miles north of Bancroft (57071) in Kingsbury County
(GPS: UTM 14N, 595960 m East 4930132 m North)

Cooperator: Weerts Farm Inc.

Soil Type: Houdek-Stickney-Tetonka loam, 0-2% slope, non-irrigated

Fertility-Yield Goal: 200 bu/ac

Previous Crop: Soybean

Tillage: No-till

Row Spacing: 30 inches

Seeding Rate: 29,620/acre

Weed Management: Halex GT on June 30

Date seeded/harvested: June 3/Nov. 4

2013 Corn Hybrid Trial Results – Bancroft

Table 1. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – Early Season Trial (100 day or less) at Bancroft (9 Brands, 31 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)
Pioneer	P9917AMX	99	178.4	21.0	56.0	0.4	28.7
Wensman	W 9288STXRIB	98	172.3	22.9	52.4	1.6	26.7
Pioneer	P0062AMX	100	170.5	20.1	53.7	5.7	28.6
Channel	195-58STX	95	166.7	18.7	54.4	0.0	27.6
Channel	197-68STX	97	166.0	21.9	55.0	3.9	27.9
Wensman	W 7290VT3PRIB	99	165.7	20.5	55.4	2.8	27.9
NuTech/G2 Genetics	5Z-200	100	164.2	20.7	54.4	4.2	28.4
Proseed	PX99A GT3000	99	163.0	22.6	52.1	3.9	25.0
Renk	RK585VT3P	95	162.6	18.4	54.4	1.2	28.5
Epley	E9505RR	95	161.9	19.1	57.9	0.4	27.7
DEKALB	DKC43-48RIB	93	161.8	17.7	54.6	2.0	27.8
Renk	RK596SSTX	98	160.9	20.6	54.8	0.4	27.1
	CHECK	99	160.7	20.8	56.1	0.0	27.9
Pioneer	P9526AMX	95	160.7	20.3	56.2	1.2	27.8
Channel	196-77STX	96	159.8	19.1	56.1	1.2	28.1
Nuseed	9504 VT3P	95	159.6	20.2	54.4	0.4	28.1
Channel	197-33STX	97	159.4	21.8	55.6	0.4	28.2
Renk	RK598SSTX	100	159.0	21.6	55.5	0.8	27.8
Wensman	W 70975VT3PRO	97	156.5	20.8	56.0	1.2	27.8
Nuseed	9503 VT2P	95	156.1	20.0	55.1	0.8	27.0
Wensman	W 80978VT3PRO	97	155.9	18.7	53.7	0.4	27.6
Channel	192-09VT3P	92	155.6	17.6	54.1	2.7	28.3
Proseed	PX97 SSR	97	155.2	19.4	54.1	0.8	28.6
DEKALB	DKC43-10RIB	93	154.2	17.7	54.7	5.2	27.3
DEKALB	DKC46-20RIB	96	153.2	19.5	55.5	0.0	28.6
DEKALB	DKC49-29RIB	99	151.8	20.8	55.0	1.2	28.0
DEKALB	DKC48-12RIB	98	148.7	20.4	54.1	1.2	27.8
Proseed	PX96 SSSG	96	148.2	19.9	56.0	0.0	27.7
NuTech/G2 Genetics	5H-399	99	144.7	21.1	52.4	3.6	27.1
Renk	RK581SSTX	100	143.8	22.4	53.8	0.8	27.3
Wensman	W 90967STX	96	139.9	19.7	55.8	0.8	26.8
Trial Average			158.6	20.2	54.8	1.6	27.7
LSD (0.05)†			18.9	1.9	1.3	2.1	1.2
C.V.‡			8.5	6.8	1.7	-	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 – Bancroft

Table 2. Glyphosate-resistant corn hybrid performance results (average of 4 replications sorted by yield) – **Late Season Trial (101 day or more) at Bancroft (7 Brands, 22 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)
NuTech/G2 Genetics	5H-905	105	175.8	22.4	51.7	0.8	28.3
Pioneer	P0876YHR	108	174.7	25.1	53.9	5.9	28.0
Epley	E1438VIP	104	174.5	23.9	51.7	3.9	28.4
NuTech/G2 Genetics	5H-502	102	171.5	21.1	54.1	1.3	25.8
Pioneer	P0297XR	102	170.4	22.4	54.2	2.7	28.0
NuTech/G2 Genetics	5H-903	103	169.2	24.0	51.5	1.2	28.1
NuTech/G2 Genetics	5H-805	105	167.6	21.7	52.6	1.2	27.6
DEKALB	DKC52-04RIB	102	166.8	20.3	53.5	2.0	27.3
	CHECK	99	166.8	21.1	55.9	1.1	28.9
NuTech/G2 Genetics	5H-806	106	166.5	23.1	53.0	1.7	25.6
Pioneer	P0533AM1	105	166.2	23.1	54.6	0.0	29.0
DEKALB	DKC53-56RIB	103	166.1	23.2	52.2	1.2	27.6
Wensman	W 9325STXRIB	102	164.8	21.2	53.4	2.3	27.8
NuTech/G2 Genetics	5H-202	102	164.5	21.2	55.6	6.1	27.2
NuTech/G2 Genetics	3D-802	102	161.0	23.1	51.2	0.4	27.2
Wensman	W 7320VT3PRIB	101	159.6	22.3	54.7	0.9	25.2
Pioneer	P0193AM	101	158.5	20.5	52.9	0.0	27.0
Renk	RK699SSTX	105	157.3	24.9	53.1	1.0	23.6
Renk	RK666SSTX	102	154.4	22.4	51.3	0.4	27.2
Renk	RK633SSTX	101	153.2	20.6	53.0	2.4	27.3
Wensman	W 91011STX	101	149.6	22.4	52.6	1.3	26.7
Proseed	PX101R VT3P	101	146.6	21.2	52.9	0.4	27.8
Trial Average			163.9	22.3	53.2	1.7	27.2
LSD (0.05)†			14.6	1.7	1.2	2.4	1.6
C.V.‡			6.3	5.4	1.6	-	4.2

† 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.