

2014 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] EMMETSBURG

Tom Quastad, Iowa Lakes Comm. College, Palo Alto County, IA 50536



Test by: North Iowa F.I.R.S.T., Inc, Sanborn, IA

PREV. CROP/HERB: Corn / Glyphosate
 SOIL DESCRIPTION: Nicollet-Canisteo silty clay loam, mod. well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITION: Mod. High P, high K, 6.7 pH, 4.4% OM
 PEST MANAGEMENT: Breakfree ATZ Lite, Realm
 FERTILITY - Applied N: 196 Spring
 Applied N-P-K (units): 196-57-55
 SEEDED - RATE - ROW: May 6 35,700 /A 30" spacing
 HARVESTED - STAND: Oct 28 33,600 /A

Early-Season Test

101 - 106 Day CRM

B2014IANW05a

Top 30 of 75

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W3998RIB	STX,B	AC,P5V	105	180.3	16.1	1	34.5	559	1
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	176.8	16.2	1	35.8	547	2
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102	171.8	16.1	1	32.6	533	3
Kruger	K4R-9406	STX,B	AC,P5V	106	168.2	16.8	1	32.5	516	5
Viking	72-04N	None	CM,C2	104	167.2	15.0	1	35.2	527	4
Wyffels	W3358	STX	AC,P5V	103	165.4	15.9	1	33.9	514	6
Champion	CSX54A15SS	STX,B	AC,P5V	104	165.2	16.8	1	32.5	507	9
Titan Pro	2M04-2P	VT2P,B	AC,P2	104	164.7	16.2	1	34.5	510	8
Kruger	K4R-9204	STX,B	AC,P5V	104	164.5	17.0	1	33.9	503	11
NK Brand	N45P-3011A	3011A	AVC,C5	101	163.8	15.5	1	35.2	512	7
Great Lakes	5283STXRIB	STX,B	AC,P5V	102	162.0	16.4	1	32.5	500	12
Curry	422-09CHR	OT	MQ,P1V,R	102	161.7	17.3	1	35.2	493	13
NuTech/G2 Gen	5F-200^	AM,AQ,B	MQ,P5V	100	161.4	15.6	1	34.5	504	10
Cornelius	C457SS	STX	AC,P5V	105	158.9	16.3	1	31.2	491	15
AgriGold	A6267STXRIB	STX,B	AC,P5V	102	157.9	15.8	1	33.2	492	14
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103	157.6	15.7	1	35.2	491	16
Kruger	K4R-9304	STX,B	AC,P5V	104	157.1	16.1	1	35.2	487	18
NuTech/G2 Gen	5H-806^	HX,RR2	CM,C2	106	156.3	18.1	1	31.9	471	29
Prairie Brand	992RA	STX,B	CM,C2	100	155.9	15.2	1	35.2	490	17
Viking	D84-06RL	STX,B	AC,P5V	106	154.4	16.8	1	34.5	474	27
Federal	5140SSTXRIB	STX,B	AC,P5V	101	154.2	15.3	1	33.9	484	19
Great Lakes	5688STXRIB	STX,B	AC,P5V	106	153.5	15.6	1	32.6	479	23
Spectrum	5285	None	CM,C2	102	153.1	15.4	1	35.8	480	21
Unity	5601SS-RIB	STX,B	CM,C2	101	153.0	15.2	1	35.2	481	20
Prairie Brand	X1457SX	STX	CM,C2	104	153.0	15.5	1	31.2	479	24
Dairyland	DS6805	STX	CM,C2	105	152.7	15.1	1	32.6	480	22
Latham	LH5534-3000GT	3000GT	CM,C2	105	152.7	16.1	1	32.6	473	28
Titan Pro	TP 40-00	None	CM,C2	100	152.2	15.1	1	32.5	479	25
Pfister	2225RA	STX,B	CM,C2	102	152.1	15.4	1	35.8	476	26
Curry	XC-1401CYXR	OIXT,AQ	MQ,P5V,R	101	151.4	16.1	1	35.2	469	30
Pioneer	P0591AMX CK	AMX,B	MQ,C2	105	128.3	15.5	1	34.5	401	66

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Test Average = **146.4** **16.1** **1** **33.6** **454**

LSD (0.10) = 16.9 1.1 ns

LSD (0.25) = 11.8 0.8 ns

C.V. = 8.6 5.2

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.5 Drying = \$0.045 Price = $\frac{\$3.15}{\$3.15}$ Local GMO non-GMO

Test Comments: This site started with cool and wet weather for 10 days after planting. Despite these conditions and major June rain events, final stands were satisfactory for high-end yields. Drainage was slow for the persistent rainfall that saturated soil here. Many hybrids were short and some ear shanks were only 2 feet off the ground. Some surrounding area fields had better yields due to adequate drainage.

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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Report date: 10/29/2014 Revised:

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 SOIL DESCRIPTION: Nicollet-Canisteo silty clay loam, mod. well drained, minimum w/ fall till, non-irrigated
 SOIL CONDITION: Mod. High P, high K, 6.7 pH, 4.4% OM
 PEST MANAGEMENT: Breakfree ATZ Lite, Realm
 FERTILITY - Applied N: 196 Spring
 Applied N-P-K (units): 196-57-55
 SEEDED - RATE - ROW: May 6 35,700 /A 30" spacing
 HARVESTED - STAND: Oct 28 33,200 /A

Full-Season Test

107 - 110 Day CRM

B2014IANW05b

Top 30 of 60

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Seed Treatment†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Titan Pro	TP 34-07 3000GT	3000GT	CM,C2	107	177.8	19.3	1	34.5	526	1
NuTech/G2 Gen	X5Z-0906^	OI	MQ,P1V,R	109	176.2	20.5	1	31.9	511	2
Channel	210-93VT2PRIB	VT2P,B	AC,P5V	110	175.1	20.2	1	35.2	511	3
Latham	LH5715VT2PRORIB	VT2P,B	AC,P2	107	174.2	20.1	1	33.2	509	4
Kruger	K4R-9911	STX,B	AC,P5V	111	171.5	20.1	1	32.5	501	5
Unity	4508VT3P-RIB	VT3P,B	CM,C2	108	170.3	21.2	1	33.9	489	6
Champion	CSX59B14SSRIB	STX,B	AC,P5V	109	165.8	20.2	1	33.2	483	7
Prairie Brand	5815SX	STX	CM,C2	107	165.8	20.5	1	35.2	481	9
NuTech/G2 Gen	5Z-510^	OI	MQ,P1V,R	110	165.4	20.3	1	31.9	482	8
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V	109	164.2	21.2	1	31.2	471	13
Unity	5608SS-RIB	STX,B	CM,C2	108	163.5	21.3	1	35.2	469	14
Federal	5940SSTXRIB	STX,B	AC,P5V	109	162.9	19.4	1	33.2	481	10
Renze	3275RA	STX,B	AC,P5	108	162.1	20.8	1	33.2	468	15
Kruger	K4R-9708	STX,B	AC,P5V	108	160.8	19.5	1	34.5	474	12
Great Lakes	6068STXRIB	STX,B	AC,P5V	110	160.6	20.6	1	32.5	465	16
Curry	830-39AMX	AMX,AQ,B	MQ,P5V,R	110	160.2	21.2	1	33.2	460	21
Renk	RK776SSTX	STX,B	AC,P2	107	159.3	20.3	1	33.2	464	18
AgriGold	A6442STXRIB	STX,B	AC,P5V	109	159.1	21.5	1	32.5	455	26
Cornelius	C574SS	STX	AC,P5V	107	158.6	19.9	1	33.9	465	17
Pioneer	P0987AMX GC	AMX,B	MQ,C2	109	158.3	20.9	1	33.9	457	25
Federal	5840SSTXRIB	STX,B	AC,P5V	108	158.2	19.9	1	33.2	463	19
Pfister	2565VT3Pro	VT3P	AC,P5	108	158.2	20.7	1	31.2	458	24
Prairie Brand	X1463SX	STX	CM,C2	110	157.9	17.9	1	31.2	477	11
Channel	209-53STXRIB	STX,B	AC,P5V	109	156.5	20.6	1	35.2	454	28
Great Lakes	5755STXRIB	STX,B	AC,P5V	107	156.3	20.5	1	35.2	454	29
Spectrum	5967	None	CM,C2,St	109	156.2	19.7	1	34.5	459	22
Dekalb	DKC57-92RIB GC	STX,B	AC,P5V	107	156.1	19.2	1	31.9	462	20
Kruger	K4R-9308	STX,B	AC,P5V	108	155.7	19.5	1	31.9	459	23
Latham	LH6089SSRIB	STX,B	AC,P5V	110	155.2	20.0	1	33.9	454	30
Wyffels	W4968	STX	AC,P5V	107	153.3	19.0	1	31.9	455	27
Pioneer	P0591AMX CK	AMX,B	MQ,C2	105	142.5	20.4	1	33.9	414	52

Corey Rozenboom

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Test Average = **154.0** **20.2** **1** **33.2** **449**

LSD (0.10) = 15.7 1.2 ns

LSD (0.25) = 11.0 0.9 ns

C.V. = 7.5 4.6

Yield & Income Factors:	Base Moisture = 15.0%	Shrink = 1.5	Drying = \$0.045	Price = $\frac{\$3.15}{\$3.15}$	Local GMO
					non-GMO

Test Comments: *This site started with cool and wet weather for 10 days after planting. Despite these conditions and major June rain events, final stands were satisfactory for high-end yields. Drainage was slow for the persistent rainfall that saturated soil here. Many hybrids were short and some ear shanks were only 2 feet off the ground. Some surrounding area fields had better yields due to adequate drainage.*

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2014 Corn Grain - Iowa Northwest [IANW]



Early-Season Test Products (75 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgriGold	A6257STXRIB	STX,B	AC,P5V	100
AgriGold	A6267STXRIB	STX,B	AC,P5V	102
AgriGold	A6351STX	STX	AC,P5V	105
AgriGold	A6376STXRIB	STX,B	AC,P5V	106
Anderson	6073	None	M,D,At	101
Champion	CSX54A15SS	STX,B	AC,P5V	104
Champion	CSX56A13VT2ProRIB	VT2P,B	CM,C2	106
Champion	CSX56A15	None	CM,C2	106
Champion	CSX56B13SS	STX,B	AC,P5V	106
Channel	201-39STXRIB	STX,B	AC,P5V	101
Channel	202-64STXRIB	STX,B	AC,P5V	102
Cornelius	C325SS	STX	AC,P5V	101
Cornelius	C344VT3P	VT3P	CM,C2	103
Cornelius	C457SS	STX	AC,P5V	105
Curry	422-09CHR	OT	MQ,P1V,R	102
Curry	XC-1401CYXR	OIXT,AQ	MQ,P5V,R	101
Dairyland	DS6805	STX	CM,C2	105
Dairyland	DS6905	STX	CM,C2	105
Dairyland	DS9305RA	STX,B	CM,C2	105
Dekalb	DKC53-56RIB GC	STX,B	AC,P5V	103
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104
Federal	5140SSTAXRIB	STX,B	AC,P5V	101
Federal	5440SSTAX	STX	AC,P5V	104
Great Lakes	5283STXRIB	STX,B	AC,P5V	102
Great Lakes	5688STXRIB	STX,B	AC,P5V	106
Kruger	K4R-9204	STX,B	AC,P5V	104
Kruger	K4R-9304	STX,B	AC,P5V	104
Kruger	K4R-9406	STX,B	AC,P5V	106
Kruger	K4R-9901	STX,B	AC,P5V	101
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102
Latham	LH5459SSRIB	STX,B	AC,P5V	104
Latham	LH5534-3000GT	3000GT	CM,C2	105
Latham	LH5659SSRIB	STX,B	AC,P5V	106
LG Seeds	LG5522VT3PRIB	VT3P,B	AC,P5V	103
LG Seeds	LG5523STX	STX	AC,P5V	105
LG Seeds	LG5533VT3PRIB	VT3P,B	AC,P5V	107
NK Brand	N45P-3011A	3011A	AVC,C5	101
NuTech/G2 Gen	5F-200^	AM,AQ,B	MQ,P5V	100
NuTech/G2 Gen	5F-805^	AM,B	MQ,P5V	105
NuTech/G2 Gen	5H-806^	HX,RR2	CM,C2	106
NuTech/G2 Gen	5Z-002^	OI	MQ,P1V,R	102
Pfister	2225RA	STX,B	CM,C2	102
Pfister	2313RA	STX,B	CM,C2	104
Pfister	2399GT3000	3000GT	CM,C2	104
Pfister	2447SS	STX	AC,P5	106

Company/Brand	Product/Brand	Technol.	Seed Trt	RM
Pioneer	P0392AMX GC	AMX,B	MQ,C2	103
Pioneer	P0591AMX CK	AMX,B	MQ,C2	105
Prairie Brand	5495SX	STX	CM,C2	104
Prairie Brand	5785SX	STX	CM,C2	107
Prairie Brand	992RA	STX,B	CM,C2	100
Prairie Brand	X1457SX	STX	CM,C2	104
Renk	RK666SSTX	STX,B	AC,P2	102
Renk	RK699SSTX	STX,B	AC,P2	105
Renk	RK712SSTX	STX	AC,P2	106
Renk	RK752SSTX	STX,B	AC,P2	105
Renze	3232RA	STX,B	CM,C2	104
Renze	3255RA	STX,B	AC,P5	107
Spectrum	5285	None	CM,C2	102
Stine	R9424SS	STX,B	AC,P2	99
Stine	R9535VT3Pro	VT3P,B	AC,P2	106
Titan Pro	2M04-2P	VT2P,B	AC,P2	104
Titan Pro	TP 39-02 SS	STX,B	AC,P5V	102
Titan Pro	TP 39-05 SS	STX,B	AC,P5V	105
Titan Pro	TP 40-00	None	CM,C2	100
Unity	4603VT3P-RIB	VT3P,B	AC,P2	103
Unity	4702VT3P-RIB	VT3P,B	CM,C2	102
Unity	5504SS-RIB	STX,B	CM,C2	104
Unity	5601SS-RIB	STX,B	CM,C2	101
Viking	30-06N	None	CM,C2	106
Viking	72-04N	None	CM,C2	104
Viking	D52-05RL	STX,B	AC,P5V	105
Viking	D84-06RL	STX,B	AC,P5V	106
Wyffels	W2888RIB	STX,B	AC,P5V	102
Wyffels	W3358	STX	AC,P5V	103
Wyffels	W3998RIB	STX,B	AC,P5V	105

2014 Corn Grain - Iowa Northwest [IANW]



Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107
AgriGold	A6416STXRIB	STX,B	AC,P5V	107
AgriGold	A6442STXRIB	STX,B	AC,P5V	109
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110
Champion	CSX57A13SS	STX,B	AC,P5V	107
Champion	CSX59A14SSRIB	STX,B	AC,P5V	109
Champion	CSX59B14SSRIB	STX,B	AC,P5V	109
Champion	CSX60A13VT3ProRIB	VT3P,B	CM,C2	110
Channel	209-53STXRIB	STX,B	AC,P5V	109
Channel	210-93VT2PRIB	VT2P,B	AC,P5V	110
Cornelius	C574SS	STX	AC,P5V	107
Curry	726-56AM	AM,B	MQ,P5V,R	106
Curry	830-39AMX	AMX,AQ,B	MQ,P5V,R	110
Dekalb	DKC57-92RIB GC	STX,B	AC,P5V	107
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110
Federal	5840SSTAXRIB	STX,B	AC,P5V	108
Federal	5940SSTAXRIB	STX,B	AC,P5V	109
Great Lakes	5755STXRIB	STX,B	AC,P5V	107
Great Lakes	6068STXRIB	STX,B	AC,P5V	110
Kruger	K4R-9308	STX,B	AC,P5V	108
Kruger	K4R-9511	STX,B	AC,P5V	111
Kruger	K4R-9708	STX,B	AC,P5V	108
Kruger	K4R-9911	STX,B	AC,P5V	111
Latham	LH5715VT2PRORIB	VT2P,B	AC,P2	107
Latham	LH5779SSRIB	STX,B	AC,P5V	107
Latham	LH5829SSRIB	STX,B	AC,P5V	108
Latham	LH6089SSRIB	STX,B	AC,P5V	110
LG Seeds	LG5591STXRIB	STX,B	AC,P5V	110
LG Seeds	LG5603STX	STX	AC,P5V	110
NuTech/G2 Gen	5F-008AM^	AM,AQ,B	MQ,P5V	108
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V	109
NuTech/G2 Gen	5Z-510^	OI	MQ,P1V,R	110
NuTech/G2 Gen	X5Z-0906^	OI	MQ,P1V,R	109
Pfister	2545SS	STX	AC,P5	107
Pfister	2565VT3Pro	VT3P	AC,P5	108
Pfister	2574RA	STX,B	CM,C2	110
Pioneer	P0591AMX CK	AMX,B	MQ,C2	105
Pioneer	P0987AMX GC	AMX,B	MQ,C2	109
Prairie Brand	1111RA	STX,B	CM,C2	111
Prairie Brand	5815SX	STX	CM,C2	107
Prairie Brand	5825RA	STX	CM,C2	108
Prairie Brand	X1463SX	STX	CM,C2	110
Renk	RK776SSSTX	STX,B	AC,P2	107
Renk	RK791SSSTX	STX,B	AC,P2	108
Renk	RK834SSSTX	STX	AC,P2	111
Renze	3264SST	STX	CM,C2	107
Renze	3275RA	STX,B	AC,P5	108
Rob-See-Co	Innotech IC5736^	3111A	AVC,C5	107
Spectrum	5967	None	CM,C2,St	109
Stine	R9632SS	STX,B	AC,P2	107
Titan Pro	2M07-SS	STX,B	AC,P5V	107
Titan Pro	TP 34-07 3000GT	3000GT	CM,C2	107
Titan Pro	TP 39-09 SS	STX,B	AC,P5V	109
Titan Pro	TP 40-09	None	CM,C2	109
Unity	4508VT3P-RIB	VT3P,B	CM,C2	108
Unity	5608SS-RIB	STX,B	CM,C2	108
Wyffels	W4968	STX	AC,P5V	107
Wyffels	W5138RIB	STX,B	AC,P5V	108
Wyffels	W5448	STX	AC,P5V	108
Wyffels	W6628RIB	STX,B	AC,P5V	110

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaXX® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.

Corn Technologies*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	DG	Genuity® DroughtGard®
3011A	Agrisure® Artesian® (CB,RW,LL,GT)	GT	Agrisure® GT
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	GT/CB/LL	Agrisure® GT/CB/LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	HXRW	Herculex® Rootworm, contains LL
5122	Agrisure® Duracade® 5122 (CB,HX,RW,RW2,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
5222	Agrisure® Duracade® 5122 (Vip,CB,HX,RW,RW2,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
A	Agrisure® Artesian®	LL	LibertyLink®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	None	conventional corn
AM-R	Optimum® AcreMax® (YGCB,HX,RR2)	OI	Optimum® Intrasect® (YGCB,HX,LL,RR2)
AM1	Optimum® AcreMax®1 (HXT,LL,RR2)	OIX	Optimum® Intrasect® Xtra (YGCB,HXT,LL,RR2)
AMRW	Optimum® AcreMax® Rootworm (HXRW,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMRW-R	Optimum® AcreMax® Rootworm (HXRW,RR2)	OL	Optimum® Leptra® (Vip,YGCB,HX,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OT	Optimum® TRIssect® (HX,RW,LL,RR2)
AMX-R	Optimum® AcreMax® Xtra (YGCB,HXT,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,LL,RR2)	STX	SmartStax® (VT3P,HXX)
AQ	Optimum® AQUAmax®	VT2P	Genuity® VT Double PRO®
B	Blended seed (i.e. refuge blend)	VT3	YieldGard VT Triple®
CB/LL	Agrisure® CB/LL	VT3P	Genuity® VT Triple PRO®
CB/LL/RW	Agrisure® CB/LL/RW	YGCB	YieldGard® Corn Borer

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

A	Allegiance®	L	Lorsban®
AC	Acceleron® fungicide products	M	Maxim XL®
At	Actellic®	MQ	Maxim Quattro®
AVC	Avicta® Complete Corn	None	untreated
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme®	R	Raxil® (tebuconazole)
CM	CruiserMaxx® Corn	St	Stamina® (pyraclostrobin)
D	Dynasty® (azoxystrobin)	V	Votivo®
Es	Escalate®	Z	zinc

** Seed treatments may include unspecified plant health promoting components.