

2014 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] MOORLAND

Jeff Loehr, Webster County, IA 50566



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

PREV. CROP/HERB: Soybean / Outlook, glyphosate, Select
 SOIL DESCRIPTION: Nicollet-Clarion loam, well drained, minimum w/o fall till, non-irrigated
 SOIL CONDITION: High P, high K, 6.8 pH, 4.7% OM
 PEST MANAGEMENT: Volley NXT, Impact, atrazine, Fortix
 FERTILITY - Applied N: 178 Fall
 Applied N-P-K (units): 178-0-0
 SEEDED - RATE - ROW: Apr 26 35,700 /A 30" spacing
 HARVESTED - STAND: Oct 27 34,000 /A

Early-Season Test

101 - 106 Day CRM

B2014IANW03a

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
Kruger	K4R-9901	STX,B	AC,P5V	101	233.9	15.2	1	35.2	735	1
Pfister	2399GT3000	3000GT	CM,C2	104	233.2	14.9	1	35.8	735	2
Great Lakes	5688STXRIB	STX,B	AC,P5V	106	231.6	15.6	1	34.5	723	3
Champion	CSX56A13VT2ProRIB	VT2P,B	CM,C2	106	231.2	16.0	1	35.8	718	5
Renk	RK752SSTX	STX,B	AC,P2	105	230.7	16.7	1	35.8	709	8
Kruger	K4R-9304	STX,B	AC,P5V	104	230.1	15.6	1	35.8	719	4
AgriGold	A6376STXRIB	STX,B	AC,P5V	106	230.0	16.6	1	35.2	708	10
Champion	CSX56B13SS	STX,B	AC,P5V	106	229.9	16.5	1	35.8	709	9
Latham	LH5215VT2PRORIB	VT2P,B	AC,P2	102	227.8	15.5	1	33.9	712	6
Wyffels	W3358	STX	AC,P5V	103	227.1	15.4	1	34.5	711	7
Stine	R9535VT3Pro	VT3P,B	AC,P2	106	226.2	15.8	1	33.9	704	13
LG Seeds	LG5523STX	STX	AC,P5V	105	225.3	15.4	1	35.2	706	11
Channel	202-64STXRIB	STX,B	AC,P5V	102	224.9	15.2	1	35.8	706	12
Champion	CSX54A15SS	STX,B	AC,P5V	104	224.9	15.9	1	34.5	699	16
Wyffels	W3998RIB	STX,B	AC,P5V	105	224.7	15.9	1	33.9	699	17
LG Seeds	LG5533VT3PRIB	VT3P,B	AC,P5V	107	223.9	16.9	1	35.8	686	30
Latham	LH5659SSRIB	STX,B	AC,P5V	106	223.4	16.0	1	34.5	694	20
Latham	LH5534-3000GT	3000GT	CM,C2	105	223.0	15.1	1	33.2	701	14
Titan Pro	TP 40-00	None	CM,C2	100	222.5	15.1	1	34.5	700	15
Renze	3232RA	STX,B	CM,C2	104	221.5	15.5	1	31.9	693	21
Viking	72-04N	None	CM,C2	104	221.3	14.9	1	35.8	697	18
AgriGold	A6351STX	STX	AC,P5V	105	221.2	16.0	1	34.5	687	29
Unity	5601SS-RIB	STX,B	CM,C2	101	220.6	15.0	1	34.5	695	19
AgriGold	A6267STXRIB	STX,B	AC,P5V	102	220.5	15.3	1	35.2	692	22
Titan Pro	2M04-2P	VT2P,B	AC,P2	104	219.9	15.5	1	35.8	688	27
NuTech/G2 Gen	5F-200^	AM,AQ,B	MQ,P5V	100	219.7	15.3	1	34.5	689	25
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	219.7	15.3	1	34.5	689	26
Spectrum	5285	None	CM,C2	102	219.5	15.1	1	35.8	690	23
Pfister	2225RA	STX,B	CM,C2	102	219.3	15.1	1	35.8	690	24
NK Brand	N45P-3011A	3011A	AVC,C5	101	219.2	15.3	1	35.8	688	28
Pioneer	P0591AMX CK	AMX,B	MQ,C2	105	206.3	15.6	1	35.8	644	63

Corey Rozenboom

Corey Rozenboom

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

Test Average = **215.8** **15.6** **1** **34.0** **673**

LSD (0.10) = 12.5 0.7 ns

LSD (0.25) = 8.7 0.5 ns

C.V. = 4.3 3.5

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: *Excellent stands in spite of cool and wet weather following planting that lasted through May 19. Biggest rains this season include 1.45" on May 11, 2.26" on June 16 and 1.45" on Aug 31. Plants were tall and disease-free most of the season with some corn leaf aphids found early Aug. Extended cool spells this delayed crop progress. Stalk integrity at harvest was very good with little lodging noted.*

† 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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PREV. CROP/HERB: Soybean / Outlook, glyphosate, Select
 SOIL DESCRIPTION: Nicollet-Clarion loam, well drained, minimum w/o fall till, non-irrigated
 SOIL CONDITION: High P, high K, 6.8 pH, 4.7% OM
 PEST MANAGEMENT: Volley NXT, Impact, atrazine, Fortix
 FERTILITY - Applied N: 178 Fall
 Applied N-P-K (units): 178-0-0
 SEEDED - RATE - ROW: Apr 26 35,700 /A 30" spacing
 HARVESTED - STAND: Oct 27 34,200 /A

Full-Season Test

107 - 110 Day CRM
B2014IANW03b

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
Curry	830-39AMX	AMX,AQ,B	MQ,P5V,R	110	233.0	18.0	1	32.5	702	1
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V	109	229.6	17.5	1	32.5	697	3
Latham	LH5715VT2PRORIB	VT2P,B	AC,P2	107	229.5	17.1	1	34.5	701	2
Channel	210-93VT2PRIB	VT2P,B	AC,P5V	110	228.3	17.7	1	35.2	691	4
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110	228.3	17.9	2	35.2	689	6
Federal	5840SSTAXRIB	STX,B	AC,P5V	108	227.9	18.7	1	32.5	680	9
Cornelius	C574SS	STX	AC,P5V	107	227.1	17.4	1	35.2	691	5
Prairie Brand	5825RA	STX	CM,C2	108	225.8	18.1	1	32.5	680	10
Titan Pro	TP 39-09 SS	STX,B	AC,P5V	109	225.6	17.4	1	34.5	686	7
Champion	CSX59A14SSRIB	STX,B	AC,P5V	109	225.5	18.8	2	33.2	672	22
Kruger	K4R-9511	STX,B	AC,P5V	111	225.3	18.1	1	33.2	678	14
LG Seeds	LG5603STX	STX	AC,P5V	110	225.0	17.5	1	35.8	683	8
Pfister	2545SS	STX	AC,P5	107	223.8	17.9	1	35.8	676	17
Prairie Brand	1111RA	STX,B	CM,C2	111	223.8	18.1	1	33.2	674	21
Renk	RK776SSTX	STX,B	AC,P2	107	223.8	18.6	1	35.2	669	28
Kruger	K4R-9308	STX,B	AC,P5V	108	223.6	17.6	1	35.8	678	15
Champion	CSX60A13VT3ProRIB	VT3P,B	CM,C2	110	223.5	17.4	1	34.5	680	11
Dekalb	DKC57-92RIB GC	STX,B	AC,P5V	107	223.5	17.4	1	34.5	680	12
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110	222.8	17.7	2	35.8	675	20
Latham	LH5829SSRIB	STX,B	AC,P5V	108	222.6	17.5	1	34.5	676	18
Wyffels	W5138RIB	STX,B	AC,P5V	108	222.4	17.3	1	35.8	678	16
Renze	3264SST	STX	CM,C2	107	222.0	17.9	1	33.9	670	27
Titan Pro	2M07-SS	STX,B	AC,P5V	107	221.1	16.8	1	34.5	679	13
Kruger	K4R-9708	STX,B	AC,P5V	108	220.7	17.4	1	33.9	671	23
Wyffels	W5448	STX	AC,P5V	108	220.2	17.3	1	35.8	671	24
Wyffels	W4968	STX	AC,P5V	107	220.1	16.7	1	35.2	676	19
Kruger	K4R-9911	STX,B	AC,P5V	111	220.0	17.7	1	35.2	666	30
Channel	209-53STXRIB	STX,B	AC,P5V	109	219.9	17.2	4	35.8	671	25
Stine	R9632SS	STX,B	AC,P2	107	219.5	17.1	1	35.8	671	26
Champion	CSX59B14SSRIB	STX,B	AC,P5V	109	218.4	17.0	4	35.8	668	29
Pioneer	P0591AMX CK	AMX,B	MQ,C2	105	192.5	16.7	2	35.8	592	59

Corey Rozenboom

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Test Average = **218.0** 17.7 1 34.2 660

LSD (0.10) = 8.7 0.4 ns

LSD (0.25) = 6.0 0.3 ns

C.V. = 2.9 1.7

Yield & Income Factors:	Base Moisture = 15.0%	Shrink = 1.5	Drying = \$0.045	Price = $\frac{\$3.15}{\$3.15}$	Local GMO
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Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt	RM	Company/Brand	Product/Brand	Technol.	Seed Trt	RM
AgriGold	A6408VT3PRIB	VT3P,B	AC,P5V	107	Renze	3264SST	STX	CM,C2	107
AgriGold	A6416STXRIB	STX,B	AC,P5V	107	Renze	3275RA	STX,B	AC,P5	108
AgriGold	A6442STXRIB	STX,B	AC,P5V	109	Rob-See-Co	Innotech IC5736^	3111A	AVC,C5	107
AgriGold	A6472VT3PRIB	VT3P,B	AC,P5V	110	Spectrum	5967	None	CM,C2,St	109
Champion	CSX57A13SS	STX,B	AC,P5V	107	Stine	R9632SS	STX,B	AC,P2	107
Champion	CSX59A14SSRIB	STX,B	AC,P5V	109	Titan Pro	2M07-SS	STX,B	AC,P5V	107
Champion	CSX59B14SSRIB	STX,B	AC,P5V	109	Titan Pro	TP 34-07 3000GT	3000GT	CM,C2	107
Champion	CSX60A13VT3ProRIB	VT3P,B	CM,C2	110	Titan Pro	TP 39-09 SS	STX,B	AC,P5V	109
Channel	209-53STXRIB	STX,B	AC,P5V	109	Titan Pro	TP 40-09	None	CM,C2	109
Channel	210-93VT2PRIB	VT2P,B	AC,P5V	110	Unity	4508VT3P-RIB	VT3P,B	CM,C2	108
Cornelius	C574SS	STX	AC,P5V	107	Unity	5608SS-RIB	STX,B	CM,C2	108
Curry	726-56AM	AM,B	MQ,P5V,R	106	Wyffels	W4968	STX	AC,P5V	107
Curry	830-39AMX	AMX,AQ,B	MQ,P5V,R	110	Wyffels	W5138RIB	STX,B	AC,P5V	108
Dekalb	DKC57-92RIB GC	STX,B	AC,P5V	107	Wyffels	W5448	STX	AC,P5V	108
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110	Wyffels	W6628RIB	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					

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® TRIsect® (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.