

## 2016 Corn Grain Top 30 Harvest Report

Iowa East Central [ IAEC ] WASHINGTON

Tom Vittetoe, Washington County, IA 52353



Test by: F.I.R.S.T. CCB, Inc., Elizabeth, IL

PREV. CROP/HERB: Soybean / Roundup, 2,4-D, Cadet, Authority  
 SOIL DESCRIPTION: Taintor-Mahaska silty clay loam, mod. well drained, non-irrigated  
 SOIL CONDITION: No-till, high P, moderate K, 6.2 pH, 4% OM  
 PEST MANAGEMENT: Roundup, Breakfree ATZ Lite, Force  
 FERTILITY - Applied N: 21 Spring, 80 Planter, 100 Sidedress  
 Applied N-P-K (units): 201-81-66  
 SEEDING - RATE - ROW: Apr 26 34,000 /A 30" spacing  
 HARVESTED - STAND: Sep 27 32,700 /A

### Early-Season Test

**105 - 110 Day CRM**

B2016IAEC26a

### Top 30 of 63

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Channel	209-53STXRIB	STX,B	109	<b>260.2</b>	19.5	1	33.4	709	1
Pfister	69B1VX	HXT,RR2	109	<b>259.6</b>	19.3	1	33.4	709	2
Wyffels	W6946DGRIB	VT2P,DG,B	111	<b>256.8</b>	20.1	1	33.9	694	7
Cornelius	C621SS	STX	110	<b>256.2</b>	19.0	1	31.9	703	3
NuTech/G2 Gen	5F-308^	AM,B	108	<b>255.8</b>	19.0	1	33.9	701	4
Dairyland	DS-9110	STX	110	<b>255.2</b>	19.0	1	31.9	700	5
Augusta	A1108VT2ProRIB	VT2P,B	108	<b>253.7</b>	18.8	1	31.4	698	6
Latham	LH6045VT2ProRIB	VT2P,B	110	251.5	20.2	1	32.9	678	16
NuTech/G2 Gen	5F-710^	AM,B	110	251.1	18.9	1	32.9	689	8
Becks	5883SX	STX	108	250.2	19.0	1	31.9	686	9
Latham	LH5965VT2Pro	VT2P	109	249.6	18.8	1	31.9	686	10
Kruger	K4R-9409	STX,B	109	247.4	19.6	1	32.9	673	19
Latham	LH5885VT2ProRIB	VT2P,B	108	246.7	18.7	1	32.4	679	12
FS InVISION	FS 60LX1	STX	110	246.2	19.3	1	32.9	672	21
Titan Pro	TP 59-08 SS	STX,B	108	246.1	18.3	1	32.4	681	11
FS InVISION	FS 58QX1 RIB	STX,B	108	246.0	18.5	1	34.8	679	13
Wyffels	W6198	STX	109	245.7	19.2	1	32.9	672	22
Steyer	10707GENSS	STX	107	245.3	18.3	1	33.4	679	14
Renk	RK792SSTX	STX	108	245.2	18.3	1	31.9	679	15
Titan Pro	TP 66-10 2P	VT2P,B	110	245.1	18.7	1	31.9	675	17
Cornelius	C585DP	VT2P	109	244.5	19.3	1	33.9	668	24
Renk	RK776SSTX	STX,B	107	244.1	19.8	1	32.9	662	27
Epley	E1612SS	STX	106	243.8	18.5	1	32.4	673	20
Latham	LH5509SSRIB	STX,B	105	243.3	18.1	1	31.4	675	18
Kruger	K4R-9608	STX,B	108	242.7	18.8	1	34.4	667	25
Cornelius	C574DP	VT2P	107	240.9	18.5	1	32.9	665	26
Champion	CSX57A17SSRIB	STX,B	107	238.7	18.2	1	32.4	662	28
NuTech	X5V-0707	3111	107	238.6	18.3	1	33.9	660	29
Wyffels	W5448RIB	STX,B	108	238.2	18.3	1	31.9	659	30
Prairie Brand	5646SX	STX	106	237.8	18.2	1	31.9	659	31
Pioneer	P1197AMXT CK	AMXT,B	111	249.3	20.6	1	32.9	669	23

Averages = **238.2** **18.9** **1** **32.7** **654**

LSD (0.10) = 15.0 0.6 ns

LSD (0.25) = 10.5 0.4 ns

C.V. = 4.7 Prev. years average yield, 210.6 bu/a, 13 yrs

Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.037 Prices: GMO = \$2.89; non-GMO = \$2.89

**Test Comments:** *This test site received heavy rain just after planting which caused stress at emergence. In late June, the plant height across the plot area was uneven. Ears were filled to the tip with deep kernels. Plants stood well but stalks were showed signs of weakness at lower nodes. Tom indicated that nearby fields which emerged before the heavy rain had somewhat higher yields than our tests.*

† 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: 9/28/2016 Revised:

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 SOIL CONDITION: No-till, high P, moderate K, 6.2 pH, 4% OM  
 PEST MANAGEMENT: Roundup, Breakfree ATZ Lite, Force  
 FERTILITY - Applied N: 21 Spring, 80 Planter, 100 Sidedress  
 Applied N-P-K (units): 201-81-66  
 SEEDING - RATE - ROW: Apr 26 34,000 /A 30" spacing  
 HARVESTED - STAND: Sep 27 32,900 /A

## Full-Season Test

111 - 114 Day CRM

B2016IAEC26b

## Top 30 of 63

For Gross Income (Sorted by Yield)

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Champion	CSX64A15DGVT2ProRIB	VT2P,DG,B	114	<b>280.2</b>	22.0	1	32.9	737	1
Wyffels	W7888RIB	STX,B	114	<b>271.9</b>	21.9	1	32.4	716	2
Wyffels	W7456RIB	VT2P,B	112	<b>270.7</b>	23.0	1	33.4	702	6
Channel	214-45DGVT2PRIB	VT2P,DG,B	114	<b>269.6</b>	21.5	1	32.4	714	3
Latham	LH6317VT2ProDGRIB	VT2P,DG,B	113	<b>267.0</b>	22.0	1	33.9	702	7
FS InVISION	FS 63ZX1 RIB	STX,B	113	<b>266.8</b>	22.5	1	31.9	697	8
Kruger	KR-4313	VT2P,B	113	263.9	21.0	1	33.4	704	4
Renk	RK941SSTX	STX,B	114	263.6	22.4	1	32.9	690	11
Pfister	71C1VX	HXT,RR2	111	261.3	20.4	1	33.9	703	5
FS InVISION	FS 64SX1 RIB	STX,B	114	260.3	22.7	1	33.4	678	17
LG Seeds	LG5618STXRIB	STX,B	112	260.1	22.2	1	32.9	682	14
Titan Pro	TP 57-13 SS	STX,B	113	259.7	23.1	1	33.9	673	23
Prairie Brand	6247SX	STX	112	259.6	21.2	1	33.9	691	10
Champion	CSX63A17DGVT2Pro	VT2P,DG	113	259.0	20.8	1	32.9	693	9
Cornelius	C765SS	STX	114	258.6	22.5	1	31.9	676	20
Titan Pro	TP 56-14 2P	VT2P,B	114	258.2	22.0	1	33.9	679	16
Dyna-Gro	D52SS91	STX	112	256.5	21.7	1	31.9	678	18
Steyer	11305GENSSRIB	STX,B	113	255.5	22.7	1	30.9	666	26
Channel	213-19VT2PRIB	VT2P,B	113	254.5	22.4	1	32.9	666	27
Champion	CSX62A16VT2ProRIB	VT2P,B	112	254.1	21.2	1	32.9	676	21
Kruger	K4R-9511	STX,B	111	253.9	20.0	1	32.9	687	12
Renk	RK935SSTX	STX,B	114	253.1	21.8	1	34.8	668	25
FS InVISION	FS 61SX1 RIB	STX,B	111	252.6	20.2	1	34.4	681	15
LG Seeds	LG5607VT2PRIB	VT2P,B	111	252.4	19.8	1	32.9	685	13
NuTech/G2 Gen	5F-311^	AM,AQ,B	111	251.7	20.3	1	34.8	678	19
Dairyland	DS-9911	STX	111	249.4	20.1	1	33.9	674	22
Dairyland	DS-9513	STX	113	249.3	21.2	1	32.9	663	28
Cornelius	C712DGDP	VT2P,DG	112	248.7	21.2	1	33.9	662	29
Epley	E2305RR	RR2	113	248.4	21.2	1	31.4	661	31
Cornelius	C634SS	STX	111	245.0	20.1	1	33.9	662	30
Pioneer	P1197AMXT CK	AMXT,B	111	250.8	20.7	1	30.9	672	24

Averages = **248.6** **21.6** **1** **32.9** **658**

LSD (0.10) = 17.1 0.9 ns

LSD (0.25) = 11.9 0.6 ns

C.V. = 5.1 Prev. years average yield, 210.6 bu/a, 13 yrs

Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.037 Prices: GMO = \$2.89; non-GMO = \$2.89

**Test Comments:** This test site received heavy rain just after planting which caused stress at emergence. In late June, the plant height across the plot area was uneven. Ears were filled to the tip with deep kernels. Plants stood well but stalks were showed signs of weakness at lower nodes. Tom indicated that nearby fields which emerged before the heavy rain had somewhat higher yields than our tests.

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**Early-Season Test Products (63 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A1108VT2ProRIB	VT2P,B	AC,P2	108	Prairie Brand	5646SX	STX	CM,C5,Vi,In	106
Becks	5828AMX^	AMX,AQ,B	Es	110	Prairie Brand	5825RA	STX,B	CM,C5,Vi,In	108
Becks	5883SX	STX	Es	108	Prairie Brand	6056SX	STX	CM,C5,Vi,In	110
Becks	6076SX	STX,B	Es	110	Renk	6-798VT2P	VT2P,B	AC,P2	109
Champion	CSX56A13VT2ProRIB	VT2P,B	AC,P2	106	Renk	RK776SSTX	STX,B	AC,P5V	107
Champion	CSX57A16VT2ProRIB	VT2P,B	AC,P2	107	Renk	RK792SSTX	STX	AC,P5V	108
Champion	CSX57A17SSRIB	STX,B	CM,C2	107	Renk	RK810SSTX	STX,B	AC,P5V	110
Champion	CSX59A16SSRIB	STX,B	AC,P2V	109	Steyer	10503GENSSRIB	STX,B	CM,C2	105
Channel	207-27STXRIB	STX,B	AC,P5V	107	Steyer	10707GENSS	STX	AC,P5V	107
Channel	209-53STXRIB	STX,B	AC,P5V	109	Steyer	10806GENSSRIB	STX,B	CM,C2	108
Cornelius	C574DP	VT2P	CM,C2	107	Titan Pro	TP 56-06 3110	3110	CM,C2	106
Cornelius	C585DP	VT2P	CM,C2	109	Titan Pro	TP 58-10 SS	STX,B	AC,P5V	110
Cornelius	C621SS	STX	AC,P5V	110	Titan Pro	TP 59-08 SS	STX,B	AC,P5V	108
Dairyland	DS-9110	STX	CM,C1,Vi,In	110	Titan Pro	TP 66-10 2P	VT2P,B	AC,P2	110
Dairyland	DS-9508RA	STX,B	CM,C2	108	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108	Wyffels	W5448RIB	STX,B	AC,P5V	108
Dyna-Gro	D46SS62	STX	AC,P5V	106	Wyffels	W6198	STX	AC,P5V	109
Epley	E1612SS	STX	AC,P5V	106	Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111
FS InVISION	FS 57TX1	STX	AC,P5V	107					
FS InVISION	FS 58QX1 RIB	STX,B	AC,P5V	108					
FS InVISION	FS 60LX1	STX	AC,P5V	110					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
Kruger	K4R-9305	STX,B	AC,P5V	105					
Kruger	K4R-9409	STX,B	AC,P5V	109					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Kruger	K4R-9708	STX,B	AC,P5V	108					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
Latham	LH5885VT2ProRIB	VT2P,B	AC,P2	108					
Latham	LH5965VT2Pro	VT2P	AC,P5V	109					
Latham	LH6045VT2ProRIB	VT2P,B	AC,P2	110					
LG Seeds	LG5520STX	STX	AC,P5V	105					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	108					
LG Seeds	LG5554-3111	3111	AVC,C5,Vi	108					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	5N-607	3000GT	MQ,P5V,R	107					
NuTech	X5V-0707	3111	AVC,C2,Vi	107					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-510^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V,R	109					
NuTech/G2 Gen	5F-710^	AM,B	MQ,P5V,R	110					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	68A1VX	HXT,RR2	CM,C5,Vi,In	108					
Pfister	69B1VX	HXT,RR2	CM,C1,Vi,In	109					
Pfister	70A1SSR	STX	CM,C1,Vi,In	110					
Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111					

**Full-Season Test Products (63 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A1565GTCBLL	GT/CB/LL	AVC,C5	115	Prairie Brand	6186RA	STX,B	CM,C5,Vi,In	111
Augusta	A5062GT3110	3110	AVC,C5	112	Prairie Brand	6247SX	STX	CM,C1,Vi,In	112
Augusta	A5664GT3000	3000GT	CM,C1	114	Prairie Brand	6305RA	STX,B	CM,C5,Vi,In	113
Becks	6165AMX^	AMX,B	Es	111	Prairie Brand	6367SX	STX	CM,C1,Vi,In	113
Becks	6365AMX^	AMX,B	Es	113	Renk	RK871VT2P	VT2P,B	AC,P2	111
Champion	CSX61A17DGV2Pro	VT2P,DG	AC,P2	111	Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114
Champion	CSX62A16VT2ProRIB	VT2P,B	AC,P2	112	Renk	RK935SSTX	STX,B	AC,P5V	114
Champion	CSX63A17DGV2Pro	VT2P,DG	AC,P2	113	Renk	RK941SSTX	STX,B	AC,P5V	114
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	AC,P2	114	Steyer	11305GENSSRIB	STX,B	CM,C2	113
Channel	213-19VT2PRIB	VT2P,B	AC,P5V	113	Steyer	11409VT2PRO	VT2P	CM,C2	114
Channel	214-45DGV2PRIB	VT2P,DG,B	AC,P5V	114	Titan Pro	TP 55-11 2P	VT2P,B	AC,P2	111
Cornelius	C634SS	STX	AC,P5	111	Titan Pro	TP 56-14 2P	VT2P,B	AC,P2	114
Cornelius	C712DGDGP	VT2P,DG	CM,C2	112	Titan Pro	TP 57-13 SS	STX,B	AC,P5V	113
Cornelius	C765SS	STX	AC,P5	114	Titan Pro	TP 68-14 SS	STX	AC,P5V	114
Dairyland	DS-9412RA	STX,B	CM,C5,Vi,In	112	Wyffels	W7108RIB	STX,B	AC,P5V	111
Dairyland	DS-9513	STX	CM,C1,Vi,In	113	Wyffels	W7456RIB	VT2P,B	AC,P2	112
Dairyland	DS-9911	STX	CM,C5,Vi,In	111	Wyffels	W7696RIB	VT2P,B	AC,P2	113
Dyna-Gro	D51SS54	STX	AC,P5V	111	Wyffels	W7888RIB	STX,B	AC,P5V	114
Dyna-Gro	D52SS91	STX	AC,P5V	112					
Epley	E2305RR	RR2	MQ	113					
FS InVISION	FS 61SX1 RIB	STX,B	AC,P5V	111					
FS InVISION	FS 62VX1	STX	AC,P5V	112					
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113					
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
Kruger	K4R-9511	STX,B	AC,P5V	111					
Kruger	K4R-9811	STX,B	AC,P5V	111					
Kruger	K4R-9913	STX,B	AC,P5V	113					
Kruger	KR-4313	VT2P,B	AC,P5V	113					
Latham	EX6425VT2Pro	VT2P	AC,P5V	114					
Latham	LH6159SSRIB	STX,B	AC,P5V	111					
Latham	LH6175VT2ProRIB	VT2P,B	AC,P2	111					
Latham	LH6317VT2ProDGRIB	VT2P,DG,B	AC,P2	113					
LG Seeds	LG5607VT2PRIB	VT2P,B	AC,P5V	111					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
LG Seeds	LG5643STX	STX	AC,P5V	114					
LG Seeds	LG5650STX	STX	AC,P5V	114					
NuTech	5N-914	3000GT	MQ,P5V,R	114					
NuTech/G2 Gen	5F-311^	AM,AQ,B	MQ,P5V,R	111					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	5F-811^	AM,B	MQ,P5V,R	111					
Pfister	2770RASS	STX,B	CM,C5,Vi,In	113					
Pfister	3366RASS	STX,B	CM,C5,Vi,In	112					
Pfister	71C1VX	HXT,RR2	CM,C1,Vi,In	111					
Pfister	73A2SS	STX	CM,C1,Vi,In	113					
Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus® brand seed is distributed by Burrus. HPT® brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. 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®, Power Plus®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix® are trademarks of Syngenta.
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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Borer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

### Corn Seed Treatments\*\*

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	Accelaron® 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®
CM	CruiserMaxx® Corn	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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