

# 2016 Corn Grain Top 30 Harvest Report

Iowa West Central [ IAWC ] DUNLAP  
 Brandon McHugh, Harrison County, IA 51529



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

PREV. CROP/HERB: Corn / Roundup, atrazine, Callisto  
 SOIL DESCRIPTION: Kennebec silt, moderately drained, non-irrigated  
 SOIL CONDITION: Conventional w/ fall till, high P, high K, 6.7 pH, 3.5% OM  
 PEST MANAGEMENT: Roundup, Callisto, atrazine, Force  
 FERTILITY - Applied N: 185 Spring  
 Applied N-P-K (units): 185-0-0  
 SEEDED - RATE - ROW: May 15 33,000 /A 30" spacing  
 HARVESTED - STAND: Oct 3 32,800 /A

**Early-Season Test**  
**105 - 110 Day CRM**  
 B2016IAWC12a

**Top 30 of 60**  
 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
Dyna-Gro	D49VC39RIB	VT2P,B	109	<b>230.2</b>	21.7	1	31.4	631	3
Pfister	70A1SSR	STX	110	<b>228.6</b>	22.6	1	32.4	619	6
Titan Pro	TP 58-10 SS	STX,B	110	<b>227.4</b>	20.7	1	33.4	632	2
Renk	RK810SSTX	STX,B	110	<b>227.3</b>	21.0	1	33.4	629	4
Pioneer	P0825AMXT	AMXT,B	108	<b>224.0</b>	22.7	1	32.4	606	10
Champion	CSX56A13VT2ProRIB	VT2P,B	106	<b>223.5</b>	20.5	1	32.9	623	5
Mycogen	2V709 GC	STX,B	110	<b>222.0</b>	20.4	1	33.9	619	7
NuTech/G2 Gen	5F-906^	AM,B	106	<b>220.9</b>	20.9	1	33.9	612	9
Champion	CSX59A16SSRIB	STX,B	109	<b>219.8</b>	21.5	1	34.4	604	11
Renk	RK792SSTX	STX	108	219.1	19.7	1	32.9	617	8
LG Seeds	LG5548STXRIB	STX,B	108	218.7	21.5	1	33.4	601	12
Kruger	K4R-9708	STX,B	108	215.6	20.8	1	31.9	598	13
NuTech/G2 Gen	5F-510^	AM,B	110	215.4	22.8	1	31.9	582	15
Kruger	K4R-9409	STX,B	109	213.2	22.3	1	32.9	580	18
Pfister	69B1VX	HXT,RR2	109	210.5	22.2	1	33.4	573	21
FS InVISION	FS 57TX1	STX	107	209.9	19.5	1	31.9	593	14
Titan Pro	TP 66-10 2P	VT2P,B	110	209.2	20.7	1	32.9	581	17
Kruger	K4R-9608	STX,B	108	208.3	20.9	1	32.9	577	19
NuTech	5N-410	3000GT	110	207.7	21.8	1	32.4	569	24
Latham	LH5965VT2Pro	VT2P	109	206.1	20.2	1	32.9	577	20
Renk	RK776SSTX	STX,B	107	206.1	21.1	1	32.4	570	22
Kruger	K4R-9305	STX,B	105	206.0	19.5	1	33.9	582	16
Pfister	2545RASS	STX,B	107	204.6	21.4	1	31.4	563	27
Augusta	A1108VT2ProRIB	VT2P,B	108	204.5	21.0	1	32.4	566	25
Wyffels	W5448RIB	STX,B	108	204.4	20.4	1	31.9	570	23
Prairie Brand	5825RA	STX,B	108	203.0	21.1	1	31.9	561	28
LG Seeds	LG5554-3111	3111	108	202.7	21.1	1	30.9	560	29
Curry	XC-1605YHR	OI	105	201.2	20.1	1	32.4	564	26
Prairie Brand	5815RA	STX,B	108	200.7	21.0	1	32.9	556	31
Titan Pro	TP 59-08 SS	STX,B	108	197.6	19.6	1	33.4	557	30
Pioneer	P1197AMXT CK	AMXT,B	111	<b>241.3</b>	23.7	1	33.9	644	1

Averages = **202.2** **21.0** **1** **32.8** **560**

LSD (0.10) = 17.2 0.8 ns

LSD (0.25) = 12.0 0.6 ns

C.V. = 6.3 Prev. years average yield, 204.5 bu/a, 7 yrs

Randy Meinsma

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

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.037 Prices: GMO = \$2.99; non-GMO = \$2.99

**Test Comments:** *The early-season hybrids showed signs from stress. Ears were shorter (but girthy) with more tip die-back, softer cobs, shorter plants and more leaf disease than later hybrids. Diplodia ear rot was noted throughout the test but more common in early hybrids. Stalks stood well but with broken tops. Full-season hybrids had long ears filled with kernels. Ear shanks were getting weak on early hybrids.*

† 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: 10/05/2016 Revised:

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 SOIL CONDITION: Conventional w/ fall till, high P, high K, 6.7 pH, 3.5% OM  
 PEST MANAGEMENT: Roundup, Callisto, atrazine, Force  
 FERTILITY - Applied N: 185 Spring  
 Applied N-P-K (units): 185-0-0  
 SEEDED - RATE - ROW: May 15 33,000 /A 30" spacing  
 HARVESTED - STAND: Oct 3 32,900 /A

**Full-Season Test**  
**111 - 114 Day CRM**  
 B2016IAWC12b

## Top 30 of 60

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
Wyffels	W7888RIB	STX,B	114	<b>251.6</b>	23.3	1	34.4	675	1
LG Seeds	LG5650STX	STX	114	<b>249.6</b>	24.3	1	32.9	660	4
Renk	RK941SSTX	STX,B	114	<b>246.9</b>	22.7	1	31.9	668	3
Champion	CSX63A17DGVT2Pro	VT2P,DG	113	<b>242.5</b>	21.1	1	31.4	670	2
FS InVISION	FS 63ZX1 RIB	STX,B	113	<b>237.1</b>	23.0	1	33.4	639	5
Renk	RK935SSTX	STX,B	114	<b>234.2</b>	24.3	1	31.9	620	10
LG Seeds	LG5618STXRIB	STX,B	112	<b>233.7</b>	23.2	1	32.9	628	8
Kruger	K4R-9811	STX,B	111	<b>231.0</b>	21.9	1	33.9	632	7
FS InVISION	FS 61SX1 RIB	STX,B	111	227.7	21.6	1	33.4	625	9
LG Seeds	LG5643STX	STX	114	225.9	24.6	1	33.9	595	17
Prairie Brand	6097SX	STX	110	225.4	22.2	1	31.9	614	11
FS InVISION	FS 64SX1 RIB	STX,B	114	223.2	23.9	2	33.4	594	18
Pfister	2770RASS	STX,B	113	222.8	24.4	1	34.8	589	21
Dyna-Gro	D51SS54	STX	111	222.1	22.2	1	31.9	605	13
Titan Pro	TP 57-13 SS	STX,B	113	221.8	22.7	1	32.9	600	15
NuTech/G2 Gen	5F-311^	AM,AQ,B	111	220.7	21.1	1	30.9	610	12
Pfister	73A2SS	STX	113	218.4	22.4	1	32.4	593	19
Jacobsen Seed	JS7668VT2PRORIB	VT2P,B	112	218.2	20.9	1	31.4	605	14
Titan Pro	TP 68-14 SS	STX	114	218.0	25.5	1	32.4	567	28
Becks	6165AM^	AM,B	111	216.6	22.3	1	35.3	589	22
Jacobsen Seed	JS7748VT2PRO	VT2P	114	213.6	23.6	1	32.4	571	27
LG Seeds	LG5607VT2PRIB	VT2P,B	111	212.7	19.6	1	33.9	600	16
Wyffels	W7696RIB	VT2P,B	113	212.1	22.4	1	33.9	576	25
Augusta	A1565GTCBLL	GT/CB/LL	115	211.8	24.4	1	32.4	560	31
Latham	LH6159SSRIB	STX,B	111	211.2	20.3	1	33.9	590	20
Champion	CSX61A17DGVT2Pro	VT2P,DG	111	211.2	21.5	1	32.9	581	23
FS InVISION	FS 62VX1	STX	112	211.0	21.6	1	33.9	579	24
Kruger	KR-4313	VT2P,B	113	<b>207.7</b>	21.2	1	31.4	573	26
Latham	EX6425VT2Pro	VT2P	114	205.1	21.2	1	31.9	566	29
Jacobsen Seed	JS7611VT2PRO	VT2P	112	200.8	19.7	1	35.3	565	30
Pioneer	P1197AMXT CK	AMXT,B	111	<b>241.9</b>	24.7	1	31.4	636	6

Averages = **208.9** **22.8** **1** **32.9** **564**

LSD (0.10) = 19.3 1.1 ns

LSD (0.25) = 13.5 0.8 ns

C.V. = 6.8 Prev. years average yield, 204.5 bu/a, 7 yrs

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.037 Prices: GMO = \$2.99; non-GMO = \$2.99

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**Early-Season Test Products (60 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	5815RA	STX,B	CM,C5,Vi,In	108
Augusta	A4658GT3110	3110	AC,P2	108	Prairie Brand	5825RA	STX,B	CM,C5,Vi,In	108
Becks	5828AM^	AM,AQ,B	Es	110	Prairie Brand	6056SX	STX	CM,C5,Vi,In	110
Becks	5883SX	STX	Es	108	Renk	6-798VT2P	VT2P,B	AC,P2	109
Becks	6076V2P	VT2P,B	Es	110	Renk	RK776SSTX	STX,B	AC,P5V	107
Champion	CSX56A13VT2ProRIB	VT2P,B	AC,P2	106	Renk	RK792SSTX	STX	AC,P5V	108
Champion	CSX57A16VT2ProRIB	VT2P,B	AC,P2	107	Renk	RK810SSTX	STX,B	AC,P5V	110
Champion	CSX57A17SSRIB	STX,B	CM,C2	107	Titan Pro	TP 56-06 3110	3110	CM,C2	106
Champion	CSX59A16SSRIB	STX,B	AC,P2V	109	Titan Pro	TP 58-10 SS	STX,B	AC,P5V	110
Curry	729-96AM	AM,B	MQ,P5V,R	109	Titan Pro	TP 59-08 SS	STX,B	AC,P5V	108
Curry	826-64AMX	AMX,B	MQ,P5V,R	106	Titan Pro	TP 66-10 2P	VT2P,B	AC,P2	110
Curry	XC-1605YHR	OI	MQ,P1V,R	105	Wyffels	W4796RIB	VT2P,B	AC,P2	106
Dyna-Gro	D49VC39RIB	VT2P,B	AC,P2	109	Wyffels	W5448RIB	STX,B	AC,P5V	108
FS InVISION	FS 57TX1	STX	AC,P5V	107	Wyffels	W6198	STX	AC,P5V	109
FS InVISION	FS 58QX1 RIB	STX,B	AC,P5V	108	Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111
FS InVISION	FS 60LX1	STX	AC,P5V	110					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
Jacobsen Seed	JS7503VT2PRORIB	VT2P,B	AC,P5V	110					
Jacobsen Seed	JS9306SSRIB	STX,B	AC,P5V	106					
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					
Mycogen	2V709 GC	STX,B	CM,C2	110					
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-906^	AM,B	MQ,P5V,R	106					
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	P0825AMXT	AMXT,B	MQ,P1V	108					
Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111					
Prairie Brand	5646SX	STX	CM,C5,Vi,In	106					

2016 Corn Grain - Iowa West Central [ IAWC ]



**Full-Season Test Products (60 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	6247SX	STX	CM,C1,Vi,In	112
Augusta	A5664GT3000	3000GT	CM,C1	114	Prairie Brand	6305RA	STX,B	CM,C5,Vi,In	113
Becks	6165AM^	AM,B	Es	111	Renk	RK871VT2P	VT2P,B	AC,P2	111
Becks	6365AM^	AM,B	Es	113	Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114
Champion	CSX61A17DGV2Pro	VT2P,DG	AC,P2	111	Renk	RK935SSTX	STX,B	AC,P5V	114
Champion	CSX62A16VT2ProRIB	VT2P,B	AC,P2	112	Renk	RK941SSTX	STX,B	AC,P5V	114
Champion	CSX63A17DGV2Pro	VT2P,DG	AC,P2	113	Stine	R9732VT3Pro GC	VT3P,B	AC,P2	111
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	AC,P2	114	Titan Pro	TP 55-11 2P	VT2P,B	AC,P2	111
Curry	732-99AM	AM,B	MQ,P5V,R	112	Titan Pro	TP 56-14 2P	VT2P,B	AC,P2	114
Dyna-Gro	D51SS54	STX	AC,P5V	111	Titan Pro	TP 57-13 SS	STX,B	AC,P5V	113
Dyna-Gro	D54VC52	VT2P	AC,P5V	114	Titan Pro	TP 68-14 SS	STX	AC,P5V	114
Epley	E2305RR	RR2	MQ	113	Wyffels	W7456RIB	VT2P,B	AC,P2	112
FS InVISION	FS 61SX1 RIB	STX,B	AC,P5V	111	Wyffels	W7696RIB	VT2P,B	AC,P2	113
FS InVISION	FS 62VX1	STX	AC,P5V	112	Wyffels	W7888RIB	STX,B	AC,P5V	114
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113	Wyffels	W8266	VT2P	AC,P2	114
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
Jacobsen Seed	JS5706DGV2P	VT2P,DG,B	AC,P5V	114					
Jacobsen Seed	JS7611VT2PRO	VT2P	AC,P5V	112					
Jacobsen Seed	JS7668VT2PRORIB	VT2P,B	AC,P5V	112					
Jacobsen Seed	JS7748VT2PRO	VT2P	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					
Mycogen	2C799 GC	STX,B	CM,C2	113					
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					
Pioneer	P1257AMXT GC	AMXT,B	MQ,P1V	112					
Pioneer	P1417AMX GC	AMX,B	MQ,P1V	114					
Prairie Brand	6097SX	STX	AC,P5V	110					

## 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.