

2016 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] OSKALOOSA

B.J. Boender, Mahaska County, IA 52577



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

PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Tuskeego silt loam, moderately drained, non-irrigated
 SOIL CONDITION: Minimum w/ fall till, high P, high K, 5.8 pH, 3.8% OM
 PEST MANAGEMENT: Roundup, Degree Xtra, Force
 FERTILITY - Applied N: 185 Fall, 14 Sidedress
 Applied N-P-K (units): 199-120-100
 SEEDED - RATE - ROW: Apr 14 32,900 /A 30" spacing
 HARVESTED - STAND: Sep 15 32,900 /A

Early-Season Test

105 - 110 Day CRM

B2016IAEC23a

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
Latham	LH5885VT2ProRIB	VT2P,B	108	258.1	21.2	1	34.8	687	1
NuTech/G2 Gen	5F-510^	AM,B	110	247.8	23.8	1	32.9	635	5
Wyffels	W6946DGRIB	VT2P,DG,B	111	247.6	24.3	1	32.9	630	7
Kruger	K4R-9608	STX,B	108	247.1	22.7	1	32.9	644	3
NuTech/G2 Gen	5F-710^	AM,B	110	246.4	22.6	1	33.9	643	4
FS InVISION	FS 60LX1	STX	110	245.1	23.8	1	33.9	629	9
Dyna-Gro	D46SS62	STX	106	240.7	22.3	1	30.9	631	6
Channel	209-53STXRIB	STX,B	109	240.2	23.0	1	32.9	623	11
NuTech	X5V-0707	3111	107	239.7	22.1	1	33.9	630	8
NuTech/G2 Gen	5F-308^	AM,B	108	239.6	23.2	1	33.9	620	13
Dekalb	DKC58-06RIB GC	STX,B	108	239.5	22.3	1	34.8	627	10
LG Seeds	LG5548STXRIB	STX,B	108	238.1	22.6	1	32.9	621	12
Becks	5828AMX^	AMX,AQ,B	110	237.4	22.8	1	32.9	618	14
Renk	RK810SSTX	STX,B	110	235.3	23.7	1	32.9	604	21
Pfister	2545RASS	STX,B	107	234.8	22.8	1	32.9	611	19
Augusta	A1108VT2ProRIB	VT2P,B	108	234.3	21.9	1	32.9	617	15
Latham	LH5965VT2Pro	VT2P	109	233.6	22.3	1	31.9	612	18
Renk	RK776SSTX	STX,B	107	233.6	22.4	1	32.9	611	20
Champion	CSX57A16VT2ProRIB	VT2P,B	107	230.0	22.1	1	29.9	604	22
Steyer	10707GENSS	STX	107	227.5	20.2	1	32.9	614	16
Steyer	10503GENSSRIB	STX,B	105	227.4	20.1	1	32.9	614	17
LG Seeds	LG5554-3111	3111	108	227.0	22.9	1	34.8	590	28
Prairie Brand	5646SX	STX	106	226.8	21.3	1	31.9	603	23
Cornelius	C585DP	VT2P	109	226.4	22.7	1	33.9	590	29
FS InVISION	FS 60QV1 RIB	VT2P,B	110	226.1	22.2	1	30.9	593	26
Wyffels	W6198	STX	109	225.9	22.5	1	34.4	590	30
NuTech/G2 Gen	5F-709^	AM,AQ,B	109	225.3	22.4	1	32.9	589	31
Steyer	10806GENSSRIB	STX,B	108	224.5	22.0	1	33.9	591	27
Wyffels	W4796RIB	VT2P,B	106	221.2	20.1	1	31.9	598	24
FS InVISION	FS 57TX1	STX	107	221.1	20.0	1	31.9	598	25
Pioneer	P1197AMXT CK	AMXT,B	111	259.7	23.3	1	30.9	671	2

Averages = **224.7** **22.7** **1** **32.9** **586**

LSD (0.10) = 19.6 1.3 ns

LSD (0.25) = 13.7 0.9 ns

C.V. = 6.4 Prev. years average yield, 194.0 bu/a, 15 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 location was the first planted in my regions and performed very well. Plants still had some green foliage with signs of leaf blight. Stalks showed signs of weakness when pulled into the corn head but stood very well. Ears were filled with kernels to the tip. Cobs held together well which made shelling easy. Full sets of brace roots could be seen. Harvest was just getting underway in this area.*

† 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: 9/21/2016 Revised:

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SOIL CONDITION: Minimum w/ fall till, high P, high K, 5.8 pH, 3.8% OM
PEST MANAGEMENT: Roundup, Degree Xtra, Force
FERTILITY - Applied N: 185 Fall, 14 Sidedress
Applied N-P-K (units): 199-120-100
SEEDING - RATE - ROW: Apr 14 32,900 /A 30" spacing
HARVESTED - STAND: Sep 15 32,700 /A

Full-Season Test
111 - 114 Day CRM
B2016IAEC23b

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
Wyffels	W7888RIB	STX,B	114	276.0	25.9	1	34.8	684	2
Channel	213-19VT2PRIB	VT2P,B	113	265.9	24.7	1	32.9	670	4
Titan Pro	TP 68-14 SS	STX	114	262.4	27.1	1	31.9	638	14
Renk	RK924DGV2P	VT2P,DG,B	114	261.5	25.0	1	33.9	656	6
Channel	214-45DGV2PRIB	VT2P,DG,B	114	259.6	23.7	1	32.9	664	5
LG Seeds	LG5618STXRIB	STX,B	112	259.1	26.8	1	32.9	633	16
Wyffels	W7456RIB	VT2P,B	112	258.2	27.5	1	33.9	624	19
LG Seeds	LG5607VT2PRIB	VT2P,B	111	256.7	22.0	1	31.9	673	3
NuTech/G2 Gen	5F-713^	AM,B	113	255.7	25.1	1	32.9	641	12
Champion	CSX62A16VT2ProRIB	VT2P,B	112	255.4	24.6	1	32.9	645	10
Titan Pro	TP 56-14 2P	VT2P,B	114	255.3	24.7	1	32.9	644	11
Augusta	A1565GTCBLL	GT/CB/LL	115	255.3	26.6	1	30.4	626	18
Cornelius	C765SS	STX	114	253.6	27.8	1	32.9	610	29
Titan Pro	TP 55-11 2P	VT2P,B	111	253.3	24.7	1	30.4	639	13
Becks	6365AMX^	AMX,B	113	253.1	24.8	1	32.9	637	15
Titan Pro	TP 57-13 SS	STX,B	113	252.9	26.7	1	31.9	619	21
FS InVISION	FS 64SX1 RIB	STX,B	114	252.8	25.7	1	32.9	628	17
Champion	CSX61A17DGV2Pro	VT2P,DG	111	252.6	22.9	1	31.9	654	7
Kruger	K4R-9811	STX,B	111	252.4	23.2	1	32.9	650	8
Becks	6165AMX^	AMX,B	111	250.4	23.0	1	32.9	647	9
LG Seeds	LG5643STX	STX	114	249.6	26.8	1	32.9	610	30
LG Seeds	LG5650STX	STX	114	249.1	26.1	1	34.8	615	23
Wyffels	W7696RIB	VT2P,B	113	247.8	25.5	1	31.9	617	22
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	114	243.9	24.7	2	30.9	615	24
Steyer	11305GENSSRIB	STX,B	113	242.1	24.4	1	32.9	613	27
NuTech/G2 Gen	5F-811^	AM,B	111	241.2	24.3	1	34.8	612	28
NuTech/G2 Gen	5F-311^	AM,AQ,B	111	239.2	22.3	1	33.9	624	20
Cornelius	C712DGDP	VT2P,DG	112	238.3	23.7	1	32.9	610	31
Prairie Brand	6247SX	STX	112	237.8	23.0	1	30.9	614	25
Pfister	71C1VX	HXT,RR2	111	236.3	22.6	1	33.9	614	26
Pioneer	P1197AMXT CK	AMXT,B	111	276.4	25.1	1	32.9	693	1

Averages = **240.5** **24.8** **1** **32.7** **606**

LSD (0.10) = 21.6 1.4 ns

LSD (0.25) = 15.0 0.9 ns

C.V. = 6.6 Prev. years average yield, 194.0 bu/a, 15 yrs

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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.