

2016 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] MUSCATINE

Diaan Roos, Scott County, IA 52716



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

PREV. CROP/HERB: Soybean / Roundup
 SOIL DESCRIPTION: Tama silt loam, well drained, non-irrigated
 SOIL CONDITION: Minimum w/o fall till, high P, high K, 5.6 pH, 3% OM
 PEST MANAGEMENT: Guardsman Max, atrazine, Force
 FERTILITY - Applied N: 120 Fall, 60 Spring
 Applied N-P-K (units): 180-27-37
 SEEDING - RATE - ROW: May 7 34,000 /A 30" spacing
 HARVESTED - STAND: Oct 11 31,700 /A

Early-Season Test

105 - 110 Day CRM

B2016IAEC22a

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	258.8	16.4	2	31.9	735	1
Latham	LH6045VT2ProRIB	VT2P,B	110	258.6	17.3	1	29.9	725	2
Dekalb	DKC58-06RIB GC	STX,B	108	254.4	16.9	1	32.9	717	3
Cornelius	C574DP	VT2P	107	246.9	16.1	1	32.9	703	4
Channel	209-53STXRIB	STX,B	109	245.2	16.9	1	32.9	691	5
NuTech	5N-410	3000GT	110	242.9	16.8	1	31.9	686	7
Kruger	K4R-9708	STX,B	108	242.6	16.1	1	30.9	691	6
Becks	6076SX	STX,B	110	239.4	16.4	1	30.9	679	8
Pfister	68A1VX	HXT,RR2	108	239.4	17.0	2	30.9	674	12
NuTech	5N-607	3000GT	107	239.2	17.0	1	31.9	674	13
Renk	RK776SSTX	STX,B	107	239.1	16.7	1	30.9	676	9
Titan Pro	TP 66-10 2P	VT2P,B	110	238.5	16.5	1	33.9	676	10
Augusta	A1108VT2ProRIB	VT2P,B	108	236.4	16.4	1	31.4	671	14
Titan Pro	TP 56-06 3110	3110	106	236.3	15.8	1	31.9	676	11
Champion	CSX57A16VT2ProRIB	VT2P,B	107	235.7	16.7	1	32.9	666	16
Kruger	K4R-9305	STX,B	105	233.5	15.7	6	32.9	669	15
Titan Pro	TP 58-10 SS	STX,B	110	233.3	16.7	1	30.9	660	19
Champion	CSX59A16SSRIB	STX,B	109	232.9	16.4	1	30.9	661	18
Channel	207-27STXRIB	STX,B	107	232.8	16.6	1	32.9	659	20
Dyna-Gro	D46SS62	STX	106	232.5	16.1	1	31.9	662	17
Cornelius	C585DP	VT2P	109	231.1	16.7	1	32.9	653	22
Steyer	10503GENSSRIB	STX,B	105	230.9	16.0	1	32.9	659	21
Renk	RK810SSTX	STX,B	110	230.9	16.7	1	32.9	653	23
Renk	6-798VT2P	VT2P,B	109	230.7	16.7	2	31.9	652	25
Kruger	K4R-9608	STX,B	108	230.6	16.7	1	32.9	652	26
Champion	CSX56A13VT2ProRIB	VT2P,B	106	229.8	16.4	1	32.9	652	27
Steyer	10707GENSS	STX	107	229.4	16.2	3	31.9	653	24
Becks	5883SX	STX	108	229.0	16.3	3	32.9	651	28
NuTech/G2 Gen	5F-710^	AM,B	110	228.3	16.0	1	31.9	651	29
Wyffels	W4796RIB	VT2P,B	106	226.6	15.5	1	31.9	651	30
Pioneer	P1197AMXT CK	AMXT,B	111	209.7	16.1	1	30.9	597	55

Averages = **226.3** **16.4** **2** **31.7** **642**

LSD (0.10) = 17.2 0.4 2

LSD (0.25) = 12.0 0.3 2

C.V. = 5.6 Prev. years average yield, 193.7 bu/a, 5 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: *The tests were planted on a nice slight slope to provide very good drainage. Plants had well pollinated ears that were filled to the tip with deep kernels. Plants were tall, well matured and had strong ear shanks holding downward tipped ears at harvest. In early October this site was hit by a strong storm with high winds. Stalks of most hybrids stood well despite this. No weed control issues noted here.*

† 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: 10/13/2016 Revised:

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 SOIL CONDITION: Minimum w/o fall till, high P, high K, 5.6 pH, 3% OM
 PEST MANAGEMENT: Guardsman Max, atrazine, Force
 FERTILITY - Applied N: 120 Fall, 60 Spring
 Applied N-P-K (units): 180-27-37
 SEEDING - RATE - ROW: May 7 34,000 /A 30" spacing
 HARVESTED - STAND: Oct 11 31,700 /A

Full-Season Test

111 - 114 Day CRM

B2016IAEC22b

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	213-19VT2PRIB	VT2P,B	113	281.7	17.7	1	33.9	533	11
FS InVISION	FS 63ZX1 RIB	STX,B	113	268.5	17.7	1	30.9	508	21
Kruger	K4R-9811	STX,B	111	261.6	17.6	1	31.9	504	24
Renk	RK871VT2P	VT2P,B	111	258.9	17.0	1	30.9	557	4
Kruger	KR-4313	VT2P,B	113	254.4	17.6	1	29.9	490	27
Cornelius	C712DGDP	VT2P,DG	112	252.8	17.0	1	31.9	544	9
Pfister	3366RASS	STX,B	112	252.0	17.4	1	31.9	505	22
Kruger	K4R-9511	STX,B	111	247.5	16.8	1	32.9	550	5
Champion	CSX62A16VT2ProRIB	VT2P,B	112	247.3	16.8	1	30.9	550	6
Titan Pro	TP 55-11 2P	VT2P,B	111	246.2	16.8	1	30.9	548	7
LG Seeds	LG5607VT2PRIB	VT2P,B	111	245.3	15.9	1	33.9	627	1
Titan Pro	TP 57-13 SS	STX,B	113	244.0	17.4	1	30.9	488	28
Champion	CSX63A17DGV2Pro	VT2P,DG	113	242.4	16.7	3	30.9	548	8
Wyffels	W7108RIB	STX,B	111	238.9	16.5	1	32.9	558	3
Pfister	73A2SS	STX	113	237.9	17.3	1	30.9	485	30
Latham	LH6175VT2ProRIB	VT2P,B	111	237.7	16.8	1	29.9	529	12
FS InVISION	FS 61SX1 RIB	STX,B	111	237.7	17.0	1	31.9	511	18
Cornelius	C634SS	STX	111	230.1	16.1	3	30.9	571	2
Wyffels	W7696RIB	VT2P,B	113	230.1	17.0	3	32.9	495	26
Dyna-Gro	D51SS54	STX	111	228.9	16.8	1	30.9	509	20
Latham	LH6159SSRIB	STX,B	111	228.6	16.7	1	30.9	517	16
FS InVISION	FS 62VX1	STX	112	227.2	17.0	1	31.9	488	29
Epley	E2305RR	RR2	113	224.8	16.5	5	30.9	525	13
Channel	214-45DGV2PRIB	VT2P,DG,B	114	224.2	16.3	2	31.9	540	10
Dairyland	DS-9513	STX	113	222.3	16.5	1	30.9	519	15
Prairie Brand	6247SX	STX	112	219.9	16.5	1	32.9	513	17
Pfister	71C1VX	HXT,RR2	111	219.2	16.4	1	32.9	520	14
Titan Pro	TP 56-14 2P	VT2P,B	114	218.8	16.5	14	30.9	511	19
Champion	CSX61A17DGV2Pro	VT2P,DG	111	216.4	16.5	4	29.9	505	23
Renk	RK924DGV2P	VT2P,DG,B	114	210.7	16.6	5	30.9	484	31
Pioneer	P1197AMXT CK	AMXT,B	111	210.1	16.4	1	30.9	498	25

Averages = **232.8** **17.3** **2** **31.7** **474**

LSD (0.10) = 17.3 0.4 4

LSD (0.25) = 12.0 0.3 3

C.V. = 5.5 Prev. years average yield, 193.7 bu/a, 5 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.