

2018 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] MUSCATINE
Diaan Roos, Muscatine 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/ fall till, very high P, very high K, 5.8 pH, 3.0% OM, 15.3 CEC
PEST MANAGEMENT: Force, Volley ATZ, atrazine, Status, Roundup
FERTILITY - Applied N: 120 Fall, 120 Spring
Applied N-P-K (units): 240-0-0
SEEDING - RATE - ROW: Apr 25 33,200 /A 30" spacing
HARVESTED - STAND: Oct 18 33,400 /A

Early-Season Test

105 - 110 Day CRM
B2018IAEC12a

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
Channel	209-15VT2PRIB	VT2P,B	109	279.2	17.3	1	32.9	824	1
Wyffels	W6956	VT2P	111	278.8	17.6	1	33.9	821	2
Kruger	K1005DP	VT2P,B	110	278.4	17.7	1	33.9	819	3
Wyffels	W6896RIB	VT2P,B	110	273.3	18.1	1	33.4	801	5
NuTech/G2 Gen	5FB-1010	AM,B	110	271.9	18.1	2	33.4	797	6
Legend	LR9910GENSSRIB	STX,B	110	271.6	17.0	1	33.9	804	4
NuTech/G2 Gen	5FB-9909	AM,B	109	268.2	16.9	1	32.9	795	7
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	268.2	17.7	1	33.9	789	9
Latham	EX5917VT2Pro	VT2P	109	267.8	17.6	1	33.4	789	10
Wyffels	W6408	STX	110	267.5	17.3	1	33.9	790	8
Dyna-Gro	D49SS70	STX	109	267.2	17.4	1	33.9	788	11
LG Seeds	LG58C77VT2PRO	VT2P	108	266.5	17.6	1	33.4	785	12
FS InVISION	FS 60UX1 RIB	STX,B	110	265.5	17.3	1	33.9	784	14
LG Seeds	LG5525VT2RIB	VT2P,B	105	264.7	16.7	1	33.4	785	13
Kruger	K4R-9706	STX,B	106	264.2	17.1	1	33.4	781	15
Latham	LH5965VT2ProRIB	VT2P,B	109	262.3	17.1	3	33.9	776	16
Channel	210-79STXRIB	STX,B	110	261.8	17.7	1	32.9	770	19
Golden Harvest	G08M20-3010	3010	108	261.3	17.4	1	32.9	771	18
Cornelius	C633DP	VT2P	110	261.3	17.6	1	33.4	770	20
NuTech/G2 Gen	5FN-8808	OI	108	261.1	16.8	1	32.9	774	17
LG Seeds	LG59C66VT2PRO	VT2P	109	261.0	17.6	1	32.9	769	21
Kruger	K0807SS	STX,B	108	259.9	17.3	1	33.4	767	22
Dyna-Gro	D48SS38	STX	108	259.8	17.4	1	32.9	766	23
Renk	RK763VT2P	VT2P,B	108	258.9	17.0	1	33.4	766	24
Miller Hybrids	RX10-36SS	STX	110	258.2	17.7	1	33.4	760	25
NK Brand	NK1066-3120-EZR	3120,B	110	258.2	17.9	1	34.4	758	26
Wyffels	W5516RIB	VT2P,B	108	255.6	17.7	1	33.9	752	28
NK Brand	NK0962-3220A-EZR	3220,A,B	109	255.4	17.4	1	32.9	753	27
Miller Hybrids	M10-61BGV-EZ	3220,B	110	254.5	17.2	1	33.4	752	29
Federal	5885VT2PRIB	VT2P,B	108	253.8	16.9	1	32.9	752	30
Pioneer	P1197AMXT CK	AMXT,B	111	241.4	17.4	1	33.9	712	46

Averages = **251.2** **17.4** **1** **33.4** **741**

LSD (0.10) = 14.1 0.4 ns

LSD (0.25) = 9.8 0.3 ns

C.V. = 4.1 Prev. years average yield, 206.9 bu/a, 7 yrs

Randy Meinsma

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

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.01; non-GMO = \$3.01

Test Comments: *This plot was one of the first plots we planted this year and conditions were very good. Moisture was lacking in the later part of the growing season. Consistent high quality and high yielding results were delivered by this plot despite the dryness. Plants look healthy and were standing well at harvest. Ears were pollinated very good with good kernel depth, firm ear shanks and strong cobs.*

† 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: 10/21/2018 Revised:

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SOIL CONDITION: Minimum w/ fall till, very high P, very high K, 5.8 pH, 3.0% OM, 15.3 CEC
PEST MANAGEMENT: Force, Volley ATZ, atrazine, Status, Roundup
FERTILITY - Applied N: 120 Fall, 120 Spring
Applied N-P-K (units): 240-0-0
SEEDING - RATE - ROW: Apr 25 33,200 /A 30" spacing
HARVESTED - STAND: Oct 18 33,500 /A

Full-Season Test
111 - 115 Day CRM
B2018IAEC12b

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
Latham	LH6285VT2Pro	VT2P	112	281.0	18.4	1	33.9	822	1
Dyna-Gro	D54VC52	VT2P	114	279.9	19.4	1	32.9	812	2
Kussmaul	SB-44V15RIB	VT2P,B	115	279.3	19.8	1	33.4	807	4
NuTech/G2 Gen	5FN-2213	OI	113	276.8	18.1	1	33.4	812	3
Wyffels	W7976RIB	VT2P,B	113	274.3	17.8	1	33.9	806	5
LG Seeds	LG5650STXRIB	STX,B	115	273.5	19.5	1	34.4	792	8
FS InVISION	FS 63ZX1 RIB	STX,B	113	273.2	19.7	1	34.4	790	9
Channel	215-75STXRIB	STX,B	115	272.9	18.7	1	33.4	796	6
Wyffels	W7456RIB	VT2P,B	112	271.0	19.7	1	32.9	784	11
Legend	LR9611GENSSRIB	STX,B	111	269.6	17.8	1	33.4	793	7
NK Brand	NK1573-3110	3110	115	268.9	19.5	1	33.4	779	15
NuTech/G2 Gen	5FB-6313	AM,B	113	268.4	18.3	1	33.4	786	10
Golden Harvest	G13T41-3010	3010	113	267.8	18.9	1	33.9	780	13
Dyna-Gro	D52SS63	STX	112	267.3	18.7	1	32.9	780	14
LG Seeds	LG62C02STX	STX	112	267.0	19.1	1	33.4	776	18
Miller Hybrids	RX14-14SS	STX	114	266.7	18.2	1	33.4	781	12
Dairyland	DS-9412SSX	STX	112	266.3	18.8	1	33.4	776	19
Wyffels	W7696RIB	VT2P,B	113	265.4	18.1	1	33.4	778	16
FS InVISION	FS 64SX1 RIB	STX,B	114	264.9	18.7	1	33.4	773	20
Cornelius	C667SS	STX	112	264.8	19.0	1	34.4	771	23
LG Seeds	LG5606STXRIB	STX,B	111	264.1	17.7	1	32.9	777	17
Cornelius	C765SS	STX	114	263.5	19.0	1	33.4	767	26
Champion	CSX65A17VT2ProRIB	VT2P,B	115	263.1	17.9	1	33.4	773	21
Wyffels	W7576RIB	VT2P,B	112	263.1	18.7	1	33.4	768	25
Kruger	K1204DP	VT2P,B	112	263.0	18.5	1	33.4	769	24
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	262.9	18.0	1	33.4	772	22
Kruger	K4R-9111	STX,B	111	262.5	18.6	1	33.9	767	27
LG Seeds	LG5643STXRIB	STX,B	114	262.3	18.4	1	33.4	767	28
Golden Harvest	G13Z50-3110	3110	113	261.7	18.5	1	33.4	765	29
Kruger	K4R-9814	STX,B	114	260.8	18.0	1	33.9	765	30
Pioneer	P1197AMXT CK	AMXT,B	111	249.9	17.4	1	33.9	737	42

Averages = **259.2** **18.8** **1** **33.5** **756**

LSD (0.10) = 10.1 0.5 ns

LSD (0.25) = 7.0 0.3 ns

C.V. = 2.9 Prev. years average yield, 206.9 bu/a, 7 yrs

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.01; non-GMO = \$3.01

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† 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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Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	60A18VT2ProRIB	VT2P,B	AC,P2	110	NuTech/G2 Gen	5FN-8808	OI	MQ,P1V,R	108
Channel	207-90STXRIB	STX,B	AC,P5V	107	Pfister	2545RASS	STX,B	CM,C5,Vi,In	107
Channel	209-15VT2PRIB	VT2P,B	AC,P2	109	Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106
Channel	209-53STXRIB	STX,B	AC,P5V	109	Pfister	68A1PE	PC,E	CM,C5,Vi,In	108
Channel	210-79STXRIB	STX,B	AC,P5V	110	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Cornelius	C564SS	STX	AC,P5V	108	Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111
Cornelius	C577SS	STX	AC,P5V	109	Renk	RK763VT2P	VT2P,B	AC,P2	108
Cornelius	C633DP	VT2P	CM,C2	110	Renk	RK779SSTX	STX	AC,P5V	108
Dairyland	DS-9508RA	STX,B	CM,C5,Vi,In	108	Renk	RK815SSTX	STX,B	AC,P2	110
Dairyland	DS-9510RA	STX,B	CM,C5,Vi,In	110	Titan Pro	82-09 2P	VT2P,B	AC,P2	109
Dyna-Gro	D48SS38	STX	AC,P5V	108	Titan Pro	TP 77-06 SS	STX,B	AC,P5V	106
Dyna-Gro	D49SS70	STX	AC,P5V	109	Wyffels	W5516RIB	VT2P,B	AC,P5V	108
Epley	E1712SS	STX	AC,P5V	107	Wyffels	W6408	STX	AC,P5V	110
Federal	5570VT2PRIB	VT2P,B	AC,P2	105	Wyffels	W6896RIB	VT2P,B	AC,P2	110
Federal	5885VT2PRIB	VT2P,B	AC,P2	108	Wyffels	W6956	VT2P	AC,P5V	111
FS InVISION	FS 57ZX1 RIB	STX,B	AC,P5V	107					
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109					
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110					
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110					
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106					
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108					
Golden Harvest	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	withdrawn	3000GT	AVC,C2,Vi	107					
Kruger	K0807SS	STX,B	AC,P5V	108					
Kruger	K1005DP	VT2P,B	AC,P2	110					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Kruger	K4R-9706	STX,B	AC,P5V	106					
Latham	EX5917VT2Pro	VT2P	AC,P5V	109					
Latham	LH5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5819SSRIB	STX,B	AC,P5V	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
Legend	LR9509GENSSRIB	STX,B	CM,C2,Vi	109					
Legend	LR9608GENSSRIB	STX,B	CM,C2,Vi	108					
Legend	LR9907GENSSRIB	STX,B	CM,C2,Vi	107					
Legend	LR9910GENSSRIB	STX,B	CM,C2,Vi	110					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
Miller Hybrids	M10-61BGV-EZ	3220,B	CM,C2	110					
Miller Hybrids	RX10-36SS	STX	AC,P5V	110					
NK Brand	NK0962-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
NK Brand	NK1066-3120-EZR	3120,B	AVC,C5,Vi	110					
NuTech/G2 Gen	5F-308	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5FB-1010	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5FB-9909	AM,B	CM,C2,R,Lu	109					

2018 Corn Grain - Iowa East Central [IAEC]



Full-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A4465GT3111	3111	AVC,C5	114	Pfister	2874PCR	PC,B	CM,C5,Vi,In	113
Augusta	A5162GT3000	3000GT	CM,C2	112	Pfister	71C1PCR	PC,B	CM,C5,Vi,In	111
Champion	CSX65A17VT2ProRIB	VT2P,B	AC,P2	115	Pfister	72C6SSR	STX,B	CM,C5,Vi,In	112
Channel	212-90STXRIB	STX,B	AC,P5V	112	Pfister	74D2PE	PC,E	CM,C5,Vi,In	114
Channel	213-19STXRIB	STX,B	AC,P5V	113	Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111
Channel	215-75STXRIB	STX,B	AC,P5V	115	Renk	RK842SSSTX	STX	AC,P5V	112
Cornelius	C667SS	STX	AC,P5V	112	Renk	RK859DGV2P	VT2P,DG,B	AC,P2	112
Cornelius	C765SS	STX	AC,P5V	114	Renk	RK871VT2P	VT2P,B	AC,P2	111
Dairyland	DS-7513	PC	CM,C1,Vi,In	113	Renk	RK937SSSTX	STX	AC,P5V	113
Dairyland	DS-9412SSX	STX	CM,C1,Vi,In	112	Titan Pro	82-14 2P	VT2P,B	AC,P2	114
Dyna-Gro	D52SS63	STX	AC,P5V	112	Titan Pro	TP 71-12 DG2P	VT2P,DG,B	AC,P2	112
Dyna-Gro	D54VC52	VT2P	AC,P5V	114	Wyffels	W7456RIB	VT2P,B	AC,P5V	112
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	AC,P2	112	Wyffels	W7576RIB	VT2P,B	AC,P5V	112
FS InVISION	FS 62ZX1 RIB	STX,B	AC,P5V	112	Wyffels	W7696RIB	VT2P,B	AC,P5V	113
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113	Wyffels	W7976RIB	VT2P,B	AC,P5V	113
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
Golden Harvest	G11A33-3111	3111	AVC,C5,Vi	111					
Golden Harvest	G12W66-3220-EZR	3220,B	AVC,C5,Vi	112					
Golden Harvest	G13T41-3010	3010	AVC,C5,Vi	113					
Golden Harvest	G13Z50-3110	3110	AVC,C5,Vi	113					
Kruger	K1204DP	VT2P,B	AC,P2	112					
Kruger	K1501SS	STX,B	AC,P5V	115					
Kruger	K4R-9111	STX,B	AC,P5V	111					
Kruger	K4R-9814	STX,B	AC,P5V	114					
Kussmaul	SB-44V15RIB	VT2P,B	AC,P2	115					
Latham	EX6355VT2Pro	VT2P	AC,P5V	113					
Latham	LH6175VT2ProRIB	VT2P,B	AC,P2	111					
Latham	LH6285VT2Pro	VT2P	AC,P5V	112					
Latham	LH6477VT2Pro	VT2P	AC,P5V	114					
Legend	LR9611GENSSRIB	STX,B	CM,C2,Vi	111					
Legend	LR9811VT2PRIB	VT2P,B	CM,C2,Vi	111					
Legend	LR9912GENSSRIB	STX,B	CM,C2,Vi	112					
LG Seeds	LG5606STXRIB	STX,B	AC,P5V	111					
LG Seeds	LG5643STXRIB	STX,B	AC,P5V	114					
LG Seeds	LG5650STXRIB	STX,B	AC,P5V	115					
LG Seeds	LG62C02STX	STX	AC,P5V	112					
Miller Hybrids	RX12-70SS	STX	AC,P2	113					
Miller Hybrids	RX14-14SS	STX	AC,P2	114					
NK Brand	NK1433-3120-EZR	3120,B	AVC,C5,Vi	114					
NK Brand	NK1573-3110	3110	AVC,C5,Vi	115					
NuTech	5NN-8812	3000GT	CM,C2,R,Lu,l	112					
NuTech/G2 Gen	5F-713	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	5FB-6313	AM,B	CM,C2,R,Lu	113					
NuTech/G2 Gen	5FN-2213	OI	MQ,P5V,R	113					
NuTech/G2 Gen	5LB-7215	AMXT,B	CM,C2,R,Lu	115					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks of Syngenta. Power Plus® is a registered trademark of Corteva Agriscience.
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)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
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)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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