

2018 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 LV6, Zidua Pro, Flexstar, Zidua, Volunteer
 SOIL DESCRIPTION: Mahaska-Taintor silty clay loam, well drained, non-irrigated
 SOIL CONDITION: No-till, very high P, medium K, 6.2 pH, 4.5% OM, 25.1 CEC
 PEST MANAGEMENT: Force, Roundup, Harness Xtra, 2,4-D LV6, Callisto, atrazine, Quilt XL
 FERTILITY - Applied N: 100 Fall, 60 Planter, 60 Sidedress
 Applied N-P-K (units): 220-80-110
 SEEDING - RATE - ROW: Apr 24 35,800 /A 30" spacing
 HARVESTED - STAND: Sep 17 33,800 /A

Early-Season Test

105 - 110 Day CRM

B2018IAEC16a

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
NuTech/G2 Gen	5FB-9909	AM,B	109	288.0	23.2	1	33.9	808	1
NuTech/G2 Gen	5F-308	AM,B	108	280.0	22.3	1	33.9	792	2
FS InVISION	FS 60UX1 RIB	STX,B	110	277.0	22.9	1	34.4	779	3
Dyna-Gro	D49SS70	STX	109	276.8	22.9	1	34.4	779	4
LG Seeds	LG58C7VT2PRO	VT2P	108	276.2	23.3	1	33.4	774	5
Channel	210-79STXRIB	STX,B	110	275.7	23.5	1	33.9	771	6
Channel	209-15VT2PRIB	VT2P,B	109	274.6	23.7	1	33.4	767	8
Golden Harvest	G08M20-3010	3010	108	272.0	22.3	1	34.8	769	7
Latham	LH5965VT2ProRIB	VT2P,B	109	271.7	22.9	1	33.4	764	11
NuTech/G2 Gen	5FB-1010	AM,B	110	270.7	22.8	2	33.4	762	13
Wyffels	W6896RIB	VT2P,B	110	270.5	22.3	2	33.9	765	10
Cornelius	C633DP	VT2P	110	269.8	21.7	1	33.9	767	9
Dyna-Gro	D48SS38	STX	108	269.5	23.2	1	33.4	756	16
Epley	E1712SS	STX	107	269.1	21.9	1	33.9	764	12
Latham	EX5917VT2Pro	VT2P	109	269.1	22.5	1	33.9	760	15
Wyffels	W6956	VT2P	111	268.6	24.6	1	33.4	744	24
Miller Hybrids	M10-61BGV-EZ	3220,B	110	267.1	22.9	3	33.9	751	19
Wyffels	W5516RIB	VT2P,B	108	266.7	21.2	1	33.9	761	14
Miller Hybrids	RX10-36SS	STX	110	266.6	22.4	1	33.4	753	17
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	265.0	23.5	1	33.4	741	25
Cornelius	C577SS	STX	109	264.5	22.8	1	33.9	745	23
LG Seeds	LG59C66VT2PRO	VT2P	109	263.9	22.2	1	33.4	747	22
Federal	5885VT2PRIB	VT2P,B	108	263.6	21.8	1	32.9	749	20
LG Seeds	LG5525VT2RIB	VT2P,B	105	263.1	20.9	1	34.4	753	18
Latham	LH5725VT2Pro	VT2P	107	263.1	21.6	1	33.4	749	21
Legend	LR9509GENSSRIB	STX,B	109	262.9	23.1	1	33.9	738	27
Channel	209-53STXRIB	STX,B	109	262.8	22.6	1	33.9	741	26
Kruger	K1005DP	VT2P,B	110	260.3	22.2	1	33.9	737	29
Champion	60A18VT2ProRIB	VT2P,B	110	258.2	21.1	1	34.4	738	28
Kruger	K4R-9706	STX,B	106	257.0	21.0	1	33.9	735	30
Pioneer	P1197AMXT CK	AMXT,B	111	261.0	23.0	1	34.8	733	31

Averages = **259.0** **22.5** **1** **33.8** **731**

LSD (0.10) = 14.9 0.8 1

LSD (0.25) = 10.4 0.6 1

C.V. = 4.2 Prev. years average yield, 218.3 bu/a, 15 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: *Planting conditions were very good and resulted in good stands when counted in early June. At harvest, plants still had green foliage. Gray leaf spot and leaf blight could be seen. Plant stalks and brace roots were strong with no lodging issues. Kernel depth was very good with kernels filled to the ear tip. Tom was pleased with his yields this year, even after the stress they endured this growing season.*

† 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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 SOIL CONDITION: No-till, very high P, medium K, 6.2 pH, 4.5% OM, 25.1 CEC
 PEST MANAGEMENT: Force, Roundup, Harness Xtra, 2,4-D LV6, Callisto, atrazine, Quilt XL
 FERTILITY - Applied N: 100 Fall, 60 Planter, 60 Sidedress
 Applied N-P-K (units): 220-80-110
 SEEDING - RATE - ROW: Apr 24 35,800 /A 30" spacing
 HARVESTED - STAND: Sep 17 33,800 /A

Full-Season Test

111 - 115 Day CRM

B2018IAEC16b

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
Renk	RK937SSTX	STX	113	288.8	23.7	1	34.4	806	1
Pfister	71C1PCR	PC,B	111	282.5	23.9	1	33.9	787	2
Golden Harvest	G13T41-3010	3010	113	281.5	25.2	1	33.9	776	3
FS InVISION	FS 63ZX1 RIB	STX,B	113	280.4	26.4	1	33.4	764	10
NuTech/G2 Gen	5FN-2213	OI	113	280.1	24.9	1	33.9	774	5
Pfister	2874PCR	PC,B	113	280.1	25.1	1	33.9	772	6
Latham	LH6285VT2Pro	VT2P	112	278.0	23.9	1	33.9	775	4
Kruger	K1501SS	STX,B	115	276.4	24.3	1	33.9	768	9
Golden Harvest	G13Z50-3110	3110	113	275.7	23.4	1	33.4	772	7
FS InVISION	FS 62ZX1 RIB	STX,B	112	273.8	22.8	1	33.4	771	8
FS InVISION	FS 64SX1 RIB	STX,B	114	273.0	25.7	1	33.4	749	15
NK Brand	NK1573-3110	3110	115	272.2	25.6	1	33.4	747	16
Renk	RK842SSTX	STX	112	271.8	25.0	1	34.4	750	14
Cornelius	C667SS	STX	112	271.6	23.3	1	33.9	761	11
Kruger	K1204DP	VT2P,B	112	270.6	23.3	1	33.9	758	12
NuTech/G2 Gen	5F-713	AM,B	113	270.1	23.6	2	34.4	755	13
Dyna-Gro	D54VC52	VT2P	114	270.1	26.3	1	34.4	737	26
LG Seeds	LG5650STXRIB	STX,B	115	269.5	25.9	1	34.4	738	24
Augusta	A4465GT3111	3111	114	269.0	24.8	1	33.4	744	21
NuTech	5NN-8812	3000GT	112	268.8	24.5	1	33.9	745	18
LG Seeds	LG5643STXRIB	STX,B	114	268.2	24.3	1	34.4	745	19
Legend	LR9912GENSSRIB	STX,B	112	268.0	24.5	1	33.4	743	23
Augusta	A5162GT3000	3000GT	112	267.7	24.3	1	33.9	744	22
Wyffels	W7976RIB	VT2P,B	113	266.8	23.7	1	33.9	745	20
Miller Hybrids	RX12-70SS	STX	113	266.6	23.4	1	33.4	746	17
Latham	LH6175VT2ProRIB	VT2P,B	111	266.4	25.0	1	34.4	735	29
Wyffels	W7696RIB	VT2P,B	113	266.2	24.6	1	33.9	737	27
LG Seeds	LG62C02STX	STX	112	265.8	24.4	1	33.4	738	25
NuTech/G2 Gen	5FB-6313	AM,B	113	264.4	24.4	1	34.4	734	30
Dyna-Gro	D52SS63	STX	112	263.5	23.5	1	33.4	737	28
Pioneer	P1197AMXT CK	AMXT,B	111	259.1	22.2	1	33.4	733	33

Randy Meinsma
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Averages =	263.6	24.5	1	33.8	731
LSD (0.10) =	15.2	1.2	ns		
LSD (0.25) =	10.6	0.8	ns		
C.V. =	4.3	Prev. years average yield, 218.3 bu/a, 15 yrs			

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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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					

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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.