

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

2019 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] WASHINGTON, IA
Tom Vittetoe, Washington County, IA 52353

Early-Season Test	105 - 110 Day CRM B2019IAEC16a
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Soybean / Zidua, Roundup Max, Select, Quilt, Fomesafen
SOIL DESCRIPTION:	Mahaska-Otley silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 6.7 pH, 4.4% OM, 18.3 CEC
PEST MANAGEMENT:	Harness Xtra, Callisto, Round Up
FERTILITY - Applied N:	126.0 Fall, 82 Sidedress
Applied N-P-K (units):	208-95-77
SEEDED - RATE - ROW:	May 6 35.5 /A 30" spacing
HARVESTED - STAND:	Oct 18 34.6 /A

TEST COMMENTS:

Soil conditions were wet for most of the planting season. Once planted, the plot received more cold rain; we returned for stand counts in June, poor emergence could be seen. The plants that survived were healthy and standing very well. Ears were large with very good seed depth and pollinated to the tip. Cobs were strong. Tom's soil sample program found that the N lost was extreme and reapplied in some fields. Overall the yields have been very good for the conditions seen this year. Due to high variability in the full-season test, its data was rejected.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110	279.3	19.4	4	34.4	997	1
CHAMPION	60A20 VT2 PRO	VT2P,B	110	274.2	20.1	1	32.9	972	3
KRUGER	K0917SS	STX,B	109	270.5	19.2	1	34.4	966	5
GOLDEN HARVEST	G08M20-3120-EZR	3120,B	108	269.4	18.7	4	34.4	967	4
PIONEER	P1082AM GC	AM,B	110	269.2	19.0	1	32.9	964	6
KRUGER	K0915DD	VT2P,DG,B	109	268.9	19.4	1	34.4	959	7
TITAN PRO	94-09 2P	VT2P,B	109	267.0	20.4	1	34.4	945	12
LATHAM	LH5965VT2PRIB	VT2P,B	109	265.9	19.4	1	34.4	949	9
CHANNEL	210-79DGVT2PRIB	VT2P,DG,B	110	265.3	18.8	1	35.8	952	8
WYFFELS	W5086	VT2P	107	263.5	18.7	1	34.4	946	11
INTEGRA	5719	VT2P,B	107	263.4	19.3	1	34.4	941	13
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	262.7	18.1	1	32.9	948	10
CHANNEL	208-38VT2PRIB	VT2P,B	108	262.0	18.7	1	34.4	940	14
LG SEEDS	LG59C66VT2PRIB GC	VT2P,B	109	261.9	19.3	1	35.8	935	16
DYNA-GRO	D50SS48	STX	110	261.0	19.2	1	35.8	933	18
CORNELIUS	C575DP	VT2P	109	261.0	19.4	1	35.8	931	19
PIONEER	P0688AM GC	AM,B	106	260.7	18.9	1	34.4	934	17
DEKALB	DKC60-88RIB GC	VT2P,B	110	260.2	20.5	1	34.4	920	20
NUTECH	65H2Q	QR,B	105	260.2	18.3	1	34.4	937	15
LATHAM	LH5847VT2PRIB	VT2P,B	108	259.0	20.3	1	34.4	917	23
WYFFELS	W6408RIB	STX,B	110	258.1	19.5	3	35.8	920	21
NK BRAND	NK1082-3330A-EZR	3330,A,B	110	257.7	19.6	1	34.4	918	22
TITAN PRO	98-10 2P	VT2P	110	257.3	19.9	1	32.9	915	25
AUGUSTA	A3058	3120,A,B	108	256.7	19.5	1	32.9	916	24
GOLDEN HARVEST	G08D29-3120A-EZR	3120,A,B	108	256.3	19.5	3	32.9	914	26
FS INVISION	FS 60UX1 RIB	STX,B	110	256.1	19.7	1	37.3	911	28
INTEGRA	5939	STX,B	109	254.6	18.7	3	34.4	914	27
FS INVISION	FS 59VL1 EZR	3220,B	109	254.1	19.6	1	34.4	905	31
NUTECH	66B6Q	QR,B	106	253.6	18.8	1	34.4	910	29
WYFFELS	W5626RIB	VT2P,B	108	253.6	18.7	3	35.8	910	30
DEKALB	DKC61-98RIB CK	VT2P,B	111	276.2	19.2	1	35.8	987	2
				Averages =	249.9	19.1	1	34.6	894
				LSD (0.10) =	13.0	0.5	1		
				LSD (0.25) =	6.8	0.3	0		
				C.V. =	4.0				

Randy Meinsma

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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.70

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Applied N-P-K (units):	208-95-77
SEEDED - RATE - ROW:	May 6 35.5 /A 30" spacing
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Company/Brand	Product/Brand	Yield T	Mo	Yield Bu/30	Moisture %	lodging %	Stand in 2019	Gross Income \$/acre	Rank
NUTEC	NUTRAB	OLB	114	277.2	23.5	1	33.8	861	4
ARROW	COMPASS	VTOP	112	275.8	21.2	1	34.8	864	1
NUTEC	SPB-221948	ABL	113	275.8	21.8	1	33.8	868	3
GOLDEN HARVEST	STL32-30007	30007	116	271.2	23.8	2	33.8	852	6
PG INVISION	PG 8004V RB	VTOPB	116	269.8	23.8	1	33.8	858	9
KRUMER	K120482	STLB	112	268.7	23.7	1	33.8	841	5
KRUMER	K120188	STLB	112	268.7	23.3	1	33.8	819	12
CHAMPION	ST417-20-VT2	VTOP20	112	266.1	21.2	1	33.8	838	8
KRUMER	K48-811	STL	114	264.8	21.2	1	33.8	832	10
WHITELE	W708	VTOP	114	261.2	21.7	1	34.8	814	13
ARROW	COMPASS	VTOP	112	261.2	21.2	1	34.8	808	7
CHAMPION	ST417-20-VT2	VTOP20	112	261.2	21.2	2	34.8	821	11
NUTEC	NUTRAB	STLB	112	261.2	23.8	1	33.8	807	16
ARROW	8011	STL	112	261.2	23.8	1	33.8	808	15
FEDERAL	F100V1	VTOP	112	261.2	21.8	1	33.8	810	14
KRUMER	K114482	STLB	112	257.8	21.8	1	33.8	804	17
CHAMPION	213-70-VT2PMB	VTOP	112	257.8	22.1	1	33.8	808	18
WHITELE	W708	VTOP	114	257.8	21.8	1	33.8	802	19
WHITELE	W708	VTOP	114	256.4	23.2	1	33.8	800	20
INTEGRA	80M	STLB	112	256.7	22.1	1	33.8	802	22
INTEGRA	80M	STLB	112	256.4	22.1	1	34.8	801	23
CORNELLUS	VTOP20	VTOP20	112	256.4	21.8	1	34.8	804	21
CORNELLUS	STL	STL	116	256.2	23.7	1	33.8	818	27
CORNELLUS	VTOP	VTOP	112	256.2	21.4	2	33.8	802	21
PG INVISION	PG 8004V RB	STLB	114	255.8	23.1	1	33.8	817	26
NEW	NEWSD0VTP	VTOPDLB	116	252.5	22.8	1	33.8	817	30
WHITELE	W808	VTOP	111	252.2	21.1	1	33.8	807	24
INTEGRA	80M	STL	114	251.2	21.7	1	33.8	818	28
LATHAM	LH480VTPMB	VTOP	112	251.1	21.7	1	34.8	818	28
NEW	NEWSD0VTP	STLB	112	250.8	21.8	2	33.8	818	31
Average	VTOP	VTOP	112	271.2	23.2	1	33.8	861	7

REJECTED

	Averages =	247.3	22.3	1	33.8	861
Randy Meinsma	LSD (0.10) =	26.2	0.9	1		
randym@firstseedtests.com, (815) 238-8007	LSD (0.25) =	13.7	0.5	0		
	C.V. =	10.1				

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.70

Report Date: 10/20/2019

Revised: 10/20/2019

Additional reports available at www.firstseedtests.com

† 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 (63 Total)

Company/Brand	Brand/Product	Technology	RM
ARMOR	X9105	VT2P	106
ARMOR	X9110	VT2P	108
AUGUSTA	A3058	3120,A,B	108
CHAMPION	57A19VT2PRORIB	VT2P,B	107
CHAMPION	58A18VT2PRORIB	VT2P,B	108
CHAMPION	59A20 3220 EZ	3220,B	109
CHAMPION	60A20 VT2 PRO	VT2P,B	110
CHANNEL	206-11VT2PRIB	VT2P,B	106
CHANNEL	208-38VT2PRIB	VT2P,B	108
CHANNEL	210-79DGV2PRIB	VT2P,DG,B	110
CORNELIUS	C478DP	VT2P	106
CORNELIUS	C575DP	VT2P	109
CORNELIUS	C633DP	VT2P	110
CORNELIUS	C7125DP	VT2P	110
DEKALB	DKC60-88RIB GC	VT2P,B	110
DEKALB	DKC61-98RIB CK	VT2P,B	111
DYNA-GRO	D50SS48	STX	110
FS INVISION	FS 5594X RIB	STX,B	105
FS INVISION	FS 57ZX1 RIB	STX,B	107
FS INVISION	FS 58RL1 EZR	3220,B	108
FS INVISION	FS 59VL1 EZR	3220,B	109
FS INVISION	FS 60UX1 RIB	STX,B	110
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105
GOLDEN HARVEST	G08D29-3120A-EZR	3120,A,B	108
GOLDEN HARVEST	G08M20-3120-EZR	3120,B	108
GOLDEN HARVEST	G09A86-3330-EZR	3330,B	109
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110
INTEGRA	5529	STX,B	105
INTEGRA	5719	VT2P,B	107
INTEGRA	5770	STX	107
INTEGRA	5939	STX,B	109
KRUGER	K0716SS	STX,B	107
KRUGER	K0807SS	STX,B	108
KRUGER	K0915DD	VT2P,DG,B	109
KRUGER	K0917SS	STX,B	109
KRUGER	K1005DP	VT2P,B	110

Company/Brand	Brand/Product	Technology	RM
LATHAM	LH5725VT2PRIB	VT2P,B	107
LATHAM	LH5847VT2PRIB	VT2P,B	108
LATHAM	LH5965VT2PRIB	VT2P,B	109
LG SEEDS	LG5525VT2PRIB GC	VT2P,B	105
LG SEEDS	LG59C66VT2PRIB GC	VT2P,B	109
MIDWEST GENETICS	MW10-19 GC	STX	110
NK BRAND	NK0624-3220-EZR	3220,B	106
NK BRAND	NK0886-3120-EZR	3120,B	108
NK BRAND	NK1082-3330A-EZR	3330,A,B	110
NUTECH	5FB-8808AM	AM,B	108
NUTECH	65H2Q	QR,B	105
NUTECH	66B6Q	QR,B	106
NUTECH	68B3AML	OL,B	108
NUTECH	69A6Q	QR,B	109
PIONEER	P0688AM GC	AM,B	106
PIONEER	P1082AM GC	AM,B	110
RENK	RK710DGV2P	VT2P,DG,B	106
RENK	RK737SSTX	STX,B	106
RENK	RK763VT2P	VT2P,B	108
RENK	RK765VT2P	VT2P	108
TITAN PRO	94-09 2P	VT2P,B	109
TITAN PRO	96-06 2P	VT2P,B	106
TITAN PRO	98-10 2P	VT2P	110
WYFFELS	W5086	VT2P	107
WYFFELS	W5516RIB	VT2P,B	108
WYFFELS	W5626RIB	VT2P,B	108
WYFFELS	W6408RIB	STX,B	110

Full-Season Test Products (62 Total)

Company/Brand	Brand/Product	Technology	RM
ARMOR	1118PRO2	VT2P	111
ARMOR	1299PRO2	VT2P	112
ARMOR	X9112	STX	111
AUGUSTA	A4465	3110,B	115
AUGUSTA	A5162	3220,B	112
CHAMPION	61A17 DG VT2	VT2P,DG,B	111
CHAMPION	61A19VT2PRORIB	VT2P,B	111
CHAMPION	62A18VT2PRORIB	VT2P,B	112
CHAMPION	64A20 VT2 PRO	VT2P,B	114
CHANNEL	211-44STXRIB	STX,B	111
CHANNEL	213-19VT2PRIB	VT2P,B	113
CHANNEL	213-72VT2PRIB	VT2P,B	113
CHANNEL	213-93STXRIB	STX,B	113
CORNELIUS	7228 VT2P	VT2P	112
CORNELIUS	C7366DGDP	VT2P,DG	113
CORNELIUS	C7551SS	STX	115
DEKALB	DKC61-98RIB CK	VT2P,B	111
FEDERAL	6100VT2P	VT2P	111
FEDERAL	6290VT2PRIB	VT2P,B	112
FS INVISION	FS 6194V RIB	VT2P,B	111
FS INVISION	FS 62ZX1 RIB	STX,B	112
FS INVISION	FS 63ZX1 RIB	STX,B	113
FS INVISION	FS 64SX1 RIB	STX,B	114
FS INVISION	FS 6595V RIB	VT2P,B	115
GOLDEN HARVEST	G12U17-3010	3010	112
GOLDEN HARVEST	G13H15-3120-EZR	3120,B	113
GOLDEN HARVEST	G13Z50-3220-EZR	3220,B	113
GOLDEN HARVEST	G14N11-3110	3110	114
GOLDEN HARVEST	G15L32-3000GT	3000GT	115
INTEGRA	6284	STX,B	112
INTEGRA	6410	STX	114
INTEGRA	CX811113	STX,B	113
INTEGRA	CX821111	3010	111
KRUGER	K1114SS	STX,B	111
KRUGER	K1204SS	STX,B	112
KRUGER	K1501SS	STX,B	115

Company/Brand	Brand/Product	Technology	RM
KRUGER	K4R-9111	STX,B	111
KRUGER	K4R-9814	STX,B	114
LATHAM	EX 6143 3010	3010	111
LATHAM	LH6285VT2PRIB	VT2P	112
LATHAM	LH6304-3220-EZR	3220,B	114
LATHAM	LH6477VT2PRIB	VT2P,B	114
NK BRAND	NK1205-3120-EZR	3120,B	112
NK BRAND	NK1354-3220-EZR	3220,B	113
NK BRAND	NK1460-3110	3110	114
NUTECH	5FB-1111AM	AM,B	111
NUTECH	5FB-2213AM	AM,B	113
NUTECH	5LB-6313AMXT	AMXT,B	113
NUTECH	74J1AML	OL,B	114
NUTECH	75G1AM	AM,B	115
RENK	9-115SSTX	STX	115
RENK	RK807SSTX	STX	111
RENK	RK842SSTX	STX,B	112
RENK	RK937VT2P	VT2P,B	113
RENK	RK945DGV2P	VT2P,DG,B	115
TITAN PRO	82-14 2P	VT2P,B	114
TITAN PRO	TP 71-12 DG2P	VT2P,DG,B	112
WYFFELS	W6826	VT2P	111
WYFFELS	W7696RIB	VT2P,B	113
WYFFELS	W7726	VT2P	113
WYFFELS	W7878	STX	114
WYFFELS	W7956	VT2P	114

Footnotes and Abbreviations Descriptions

Brand Footnotes

[^] Innotech™ brand seed is distributed by Rob-See-Co, LLC. Power Plus® brand seed is distributed by Burrus. Innotech™ is a trademark 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*

3010	Agrisure® 3010 (CB,LL,GT)	AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	AQ	Optimum® AQUAMax®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	CB	Agrisure® Corn Borer	PC	PowerCore™ (HX, VT2P)
3120	Agrisure® 3120 (CB,HX,LL,GT)	DG	Genuity® DroughtGard®	RR2	Roundup Ready® 2 Corn
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)	RW	Agrisure® Rootworm
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT)	HX	Herculex® 1, contains LL	TRE	Genuity® Trecepta™
A	Agrisure® Artesian®	HXRW	Herculex® Rootworm, contains LL	VT2P	Genuity® VT Double PRO®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	HXT	Herculex® Xtra (HX,HXRW,LL)	VT3P	Genuity® VT Triple PRO®
AMT	Optimum® AcreMax®TRIssect (HX,RW,LL,RR2)	LL	LibertyLink®	YGCB	YieldGard® Corn Borer
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	None	conventional corn		

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