

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

2019 Corn Grain Top 30 Harvest Report

Iowa East Central [IAEC] SULLY, IA

Lawrence & Mike Van Zee, Jasper County, IA 50219

Early-Season Test	105 - 110 Day CRM B2019IAEC13a
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Round up, Authority First, Boundary, Liberty
SOIL DESCRIPTION:	Otley - Mahaska silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, high K, 5.8 pH, 3.4% OM, 17.2 CEC
PEST MANAGEMENT:	Force,Round Up, Acuron, Halex Gt, Azoxy Prop, Lambda Cy
FERTILITY - Applied N:	130 Spring, 23 Foliar Rescue
Applied N-P-K (units):	153-125-150
SEEDED - RATE - ROW:	May 16 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 25 29.1 /A

TEST COMMENTS:

This area was also delayed in planting. Once planted, heavy rains effected emergence by wash out or poor germination with cool damp soil in the rolling hills. Plants stood very well and ears were pollinated to the tips. Plants had large ears with good seed depth, and no major lodging. Sturdy cobs made shelling easy, though dry down has been a slow process this fall. Unfortunately, the tests did not have statistical significance for hybrid, and the data was rejected.

Company/Brand	Product/Brand	Hybrid	SN	Yield Bu/ck	Moisture %	Lodging %	Stand In 1000's	Gross Income \$/acre	Rank
INTEGRA	575	575	107	266.8	19.9	1	29.9	818	1
CORNELLUS	CR20P	VT0P	106	257.4	20.2	1	30.9	812	4
NUTECH	888G	QPLB	108	255.9	19.2	1	29.9	810	2
CHAMPION	58A-VT0P/88B	VT0P/8	106	255.8	19.2	2	29.9	814	3
FE INVISION	FE 584X1 RB	575LB	110	255.2	20.1	1		808	5
RENA	8A780V0P	VT0P/8LB	106	255.0	20.2	1	29.9	808	6
ARCON	8818	VT0P	105	249.9	19.9		29.9	807	7
CORNELLUS	CR20P	VT0P	106	249.4	20.0	1		806	10
CORNELLUS	CR20P	VT0P	110	249.1	19.9			806	8
INTEGRA	585	575	107	248.6	19.7		29.9	805	11
TRIA PRO	3A-28-2P	VT0P	105	248.2	19.7	2	29.9	807	9
FE INVISION	FE 572X1 RB	575	107	248.1	19.7	1	29.9	805	12
KRUGER	88150	VT0P/8LB	106	248.0	20.0	1	29.9	815	14
CORNELLUS	CR20P	VT0P	110	248.0	19.9	4	29.9	818	13
DEKALB	DKC20-88B	VT0P/8	107	248.1	19.9	1	29.9	812	15
88 BRAND	88150A-228-228	575	107	248.4	19.7	4	29.9	810	16
GOLDEN HARVEST	5888A-228-228	575	107	248.3	20.9	1	29.9	803	21
INTEGRA	575	VT0P	107	248.2	19.7	2	29.9	808	17
LATHAM	L1080V0P/88B	VT0P/8	106	247.9	19.9	1	29.9	809	18
KRUGER	88150	VT0P/8LB	106	247.9	19.9	1	29.9	809	20
GOLDEN HARVEST	5888A	575LB	106	247.7	20.9	1	29.9	804	27
AUGUSTA	58A-VT0P/88B	VT0P/8	106	247.2	19.9	1	29.9	807	24
WHITFIELD	58A-VT0P/88B	VT0P/8	106	246.7	20.1	2	29.9	804	26
WHITFIELD	58A-VT0P/88B	575LB	110	246.5	19.2	1	29.9	800	22
INTEGRA	585	575LB	106	246.5	19.9	1	29.9	805	25
CHAMPION	58A-VT2 PRO	VT0P/8	110	246.4	20.1	1	27.9	803	29
RENA	8A780V0P	VT0P	106	246.3	19.9	1	27.9	805	28
CHAMPION	58A-VT0P/88B	VT0P/8	107	246.1	19.9	2	29.9	800	23
FE INVISION	FE 584X1 RB	575LB	106	246.1	20.9	1	29.9	847	31
CHAMPION	58A-VT0P/88B	VT0P/8	106	239.5	19.4	1	29.9	811	30
DEKALB	DKC20-88B	VT0P/8	110	243.8	19.9	1	30.9	809	19

REJECTED



Randy Meinsma
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Averages = **236.9** **19.9** **2** **29.1** **842**
 LSD (0.10) = ns ns ns
 LSD (0.25) = ns ns ns
 C.V. = 8.5

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

Report Date: 10/30/2019

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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Full-Season Test	111 - 115 Day CRM B2019IAEC13b
Top 30 of 62	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Round up, Authority First, Boundary, Liberty
SOIL DESCRIPTION:	Otley - Mahaska silty clay loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, high K, 5.8 pH, 3.4% OM, 17.2 CEC
PEST MANAGEMENT:	Force, Round Up, Acuron, Halex Gt, Azoxy Prop, Lambda Cy
FERTILITY - Applied N:	130 Spring, 23 Foliar Rescue
Applied N-P-K (units):	153-125-150
SEEDED - RATE - ROW:	May 16 32.4 /A 30" spacing
HARVESTED - STAND:	Oct 25 30.7 /A

TEST COMMENTS:

This area was also delayed in planting. Once planted, heavy rains effected emergence by wash out or poor germination with cool damp soil in the rolling hills. Plants stood very well and ears were pollinated to the tips. Plants had large ears with good seed depth, and no major lodging. Sturdy cobs made shelling easy, though dry down has been a slow process this fall. Unfortunately, the tests did not have statistical significance for hybrid, and the data was rejected.

Company/Brand	Product/Brand	Hybrid	RR	Yield Bu/A	Moisture %	Lodging %	Stand In 1000's	Gross Income \$/Acre	Rank
CHANNEL	213-T2V2PMB	V2PMB	113	208.8	25.8	1	31.8	840	1
KRUGER	K11485	57XLB	111	204.8	25.4	1	29.9	827	2
NUTECH	978-221948	48LB	113	203.7	25.4	4	30.9	825	3
KRUGER	K48-814	57XLB	114	203.4	25.1	6	30.9	826	4
MR BRAND	MR1485-2110	2110	114	202.9	25.5	4	30.1	821	5
FE INVISION	FE 8089V-98	V2PMB	115	202.2	25.4	4	30.9	819	6
GOLDEN HARVEST	G13415-2125-428	2125LB	112	201.9	25.7	1	30.9	819	7
GOLDEN HARVEST	G14611-2110	2110	114	201.9	25.4	1	30.9	819	8
INTEGRA	6284	57XLB	112	201.0	25.9	1	30.9	811	9
RENA	RE80787X	57XLB	111	200.9	25.9	1	27.9	809	10
LITHAM	L1647V2PMB	V2PMB	114	200.7	25.9	1	27.9	809	11
INTEGRA	C81113	57XLB	113	200.7	25.9	1	28.4	808	12
ARCON	8912	57XLB	111	200.3	25.3	1	29.9	802	13
WHITFIELD	W178	57XLB	111	200.2	25.8	2	29.9	800	14
CHAMPION	51A18V2PMB	V2PMB	113	200.2	25.4	1	29.9	800	15
KRUGER	K12485	57XLB	112	200.0	25.5	2	29.9	800	16
NUTECH	N17485	57XLB	112	200.0	25.5	1	29.9	800	17
INTEGRA	C82111	57XLB	111	200.4	25.3	2	29.9	800	18
CHAMPION	51A17-20-V2PMB	V2PMB	111	200.1	25.7	3	27.9	800	19
MR BRAND	MR1255-2110	2110	112	201.7	25.4	1	29.9	800	20
FE INVISION	FE 8089V-98	V2PMB	112	201.2	25.7	1	29.9	879	21
FE INVISION	FE 8089V-98	V2PMB	111	201.0	25.9	1	27.9	804	22
CHANNEL	213-T2V2PMB	V2PMB	113	201.0	25.8	4	29.9	879	23
CORNELIUS	C1715	57XLB	115	200.8	25.7	4	29.9	877	24
CORNELIUS	T28-10P	V2PMB	112	200.8	25.9	4	27.9	800	25
WHITFIELD	W198	V2PMB	114	200.9	25.2	1	29.9	875	26
AUGUSTA	A192	505LB	112	200.7	25.5	1	29.9	872	27
CHAMPION	51A18V2PMB	V2PMB	112	200.0	25.4	6	30.9	800	28
RENA	RE80787X	57XLB	111	200.3	25.9	1	29.9	800	29
INTEGRA	6410	57XLB	114	200.1	25.9	1	29.9	800	30
TOTAL	2019IAEC13b	V2PMB	111	203.8	25.3	1	30.7	853	31

REJECTED



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Averages = **243.1** **21.3** **2** **30.7** **853**
LSD (0.10) = ns ns ns
LSD (0.25) = ns ns ns
C.V. = 11.9

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

Report Date: 10/30/2019

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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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2019 Corn - Iowa East Central [IAEC]



Early-Season Test Products (63 Total)

Company/Brand	Product/Brand	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	Product/Brand	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.