

2019 Corn Grain Top 30 Harvest Report

Iowa South [IASO] CLARINDA, IA

Mike & Ben Vardaman, Page County, IA 51632

Early-Season Test 106 - 111 Day CRM
B2019IASO31a

Top 30 of 44 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybean / Liberty

SOIL DESCRIPTION: Sharpsburg silty clay loam, well
drained, non-irrigated

SOIL CONDITION: No-Till, very low P, medium K,
5.8 pH, 3.7% OM, 19.8 CEC

PEST MANAGEMENT: Round Up, Calisto, Force

FERTILITY - Applied N: 180 Spring, 50 Foliar Rescue

Applied N-P-K (units): 230-0-0

SEEDING - RATE - ROW: Apr 24 32.4 /A 30" spacing

HARVESTED - STAND: Nov 10 30.7 /A

TEST COMMENTS:

This plot showed every sign of stress. Wet soil delayed planting. Once in the ground, the crop emerged well. Plants showed foliar diseases. Stalks were still standing very well, and ear shanks still held while harvesting. Ears had some tip back, curled tips and button ears. With delayed planting on soybeans, this plot was land locked due to high moisture soybeans. Sturdy cobs made shelling easy. There were no problems with head shelling. Ben stated fields with poor drainage really had a poor yield this year. Full-season test data rejected due to high same-product rep to rep variability and high variance overall.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
NK BRAND	NK1082-3330A-EZR	3330,A,B	110	183.9	12.3	1	29.9	682	1	
RENK	RK807SSTX	STX	111	168.9	12.4	1	30.9	627	2	
KRUGER	K0915DD	VT2P,DG,B	109	165.8	12.1	1	30.9	615	3	
TITAN PRO	94-09 2P	VT2P,B	109	163.9	13.0	1	30.9	608	5	
NK BRAND	NK0821-3120A	3120,A,B	108	163.2	12.6	1	29.9	605	6	
KRUGER	K1005DP	VT2P,B	110	162.4	12.6	2	30.9	603	7	
FS INVISION	FS 60UV1 RIB	VT2P,B	110	159.0	12.5	1	31.9	590	8	
NUTECH	5FB-9909AM	AM,B	109	158.9	12.2	1	29.9	590	9	
CHAMPION	61A19VT2PRORIB	VT2P,B	111	158.5	12.4	1	28.9	588	10	
CHAMPION	57A19VT2PRORIB	VT2P,B	107	158.1	12.3	1	29.9	587	11	
LATHAM	EX 6143 3010	3010	111	155.9	12.4	1	32.9	578	12	
HOEGEMEYER	8028 AM GC	AM,B	110	155.4	12.7	1	30.9	577	13	
RENK	RK779SSTX	STX,B	108	154.4	12.8	1	31.9	573	14	
NUTECH	5FB-8808AM	AM,B	108	152.4	12.0	1	27.9	565	15	
CHAMPION	60A20 VT2 PRO	VT2P,B	110	152.4	12.5	1	29.9	565	16	
WYFFELS	W6956RIB	VT2P,B	111	152.0	12.4	1	28.9	564	17	
NUTECH	70B2Q	QR,B	110	151.8	12.4	1	29.9	563	18	
NUTECH	69A6Q	QR,B	109	151.2	12.5	1	29.9	561	19	
AUGUSTA	A3058	3120,A,B	108	150.2	12.3	1	29.9	557	20	
WYFFELS	W6408RIB	STX,B	110	148.9	12.6	1	31.9	552	21	
AUGUSTA	A4658	3220,B	108	148.5	13.0	1	29.9	551	22	
DYNA-GRO	D52VC15	VT2P	111	147.9	12.6	1	30.9	549	23	
TITAN PRO	98-10 2P	VT2P	110	147.7	12.3	1	31.9	548	24	
FS INVISION	FS 6194V RIB	VT2P,B	111	146.5	12.3	1	30.9	544	25	
KRUGER	K1114SS	STX,B	111	146.4	12.4	1	31.9	543	26	
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110	145.9	12.5	1	30.9	541	27	
NUTECH	68B3AML	OL,B	108	145.7	12.4	1	29.9	541	28	
FS INVISION	FS 59VL1 EZR	3220,B	109	145.3	12.2	1	30.9	539	29	
LATHAM	LH5769SSRIB	STX,B	107	141.9	13.0	1	31.9	526	30	
FS INVISION	FS 57ZV1 RIB	VT2P,B	107	141.7	12.7	1	30.9	526	31	
DEKALB	DKC61-98RIB CK	VT2P,B	111	164.8	12.5	1	30.9	611	4	
				Averages =	147.5	12.4	1	30.7	547	
				LSD (0.10) =	12.1	0.4	ns			
				LSD (0.25) =	6.4	0.2	ns			
				C.V. =	7.8					



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Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.71

Report Date: 11/11/2019

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

2019 Corn Grain Top 30 Harvest Report

Iowa South [IASO] CLARINDA, IA

Mike & Ben Vardaman, Page County, IA 51632

Full-Season Test 112 - 116 Day CRM
B2019IASO31b

Top 30 of 53 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Soybean / Liberty

SOIL DESCRIPTION: Sharpsburg silty clay loam, well
drained, non-irrigated

SOIL CONDITION: No-Till, very low P, medium K,
5.8 pH, 3.7% OM, 19.8 CEC

PEST MANAGEMENT: Round Up, Calisto, Force

FERTILITY - Applied N: 180 Spring, 50 Foliar Rescue

Applied N-P-K (units): 230-0-0

SEEDED - RATE - ROW: Apr 24 32.4 /A 30" spacing

HARVESTED - STAND: Nov 10 31.1 /A

TEST COMMENTS:

This plot showed every sign of stress. Wet soil delayed planting. Once in the ground, the crop emerged well. Plants showed foliar diseases. Stalks were still standing very well, and ear shanks still held while harvesting. Ears had some tip back, curled tips and button ears. With delayed planting on soybeans, this plot was land locked due to high moisture soybeans. Sturdy cobs made shelling easy. There were no problems with head shelling. Ben stated fields with poor drainage really had a poor yield this year. Full-season test data rejected due to high same-product rep to rep variability and high variance overall.

Company/Brand	Product/Brand	Yield T	GR	Yield Bu/30	Moisture %	Lodging %	Stand In 2019	Gross Income \$/acre	Rank
SYNAGRO	DEVELO	VTOP	112	187.2	13.2	1	31.4	732	1
GREEN VALLEY	QUANTUM/TPH08	VTOP	112	185.7	12.7	1	31.4	719	2
FE INVISION	FE 822V1 RB	VTOP	115	188.9	13.3	1	31.4	758	3
NUTECH	TC10PK	PLB	112	187.3	12.9	1	32.9	885	4
GREEN VALLEY	QUANTUM/TPH08	VTOP	112	182.5	12.4	1	31.8	677	5
WHITEFIELD	W758	VTOP	114	187.2	12.4	1	31.9	692	6
NUTECH	SP8-221048	AKB	112	187.3	12.9	1	31.9	692	7
GREEN VALLEY	QUANTUM/TPH08	VTOP	112	182.5	12.8	1	31.8	688	8
FE INVISION	FE 822V1 RB	VTOP	115	188.9	13.3	1	31.9	693	9
CHAMPION	MA-4210PK8	VTOP	112	187.3	12.9	1	32.9	885	10
NUTECH	SL-812048T	AKB	112	187.3	12.9	1	31.8	691	11
WHITEFIELD	W758	VTOP	114	187.2	12.4	1	31.8	694	12
LATHAM	LH822V10PK	VTOP	112	187.9	12.5	17	29.9	622	13
GOLDEN HARVEST	GT1815-210	AKB	112	187.2	13.0	1	31.8	620	14
GOLDEN HARVEST	GT1817-210	AKB	112	187.2	13.2	1	31.8	613	15
FE INVISION	FE 822V1 RB	VTOP	115	188.9	13.3	2	30.9	612	17
FE INVISION	FE 822V1 RB	VTOP	115	188.9	13.3	1	31.8	604	18
FEDERAL	888V1TOP	VTOP	115	182.5	12.5	1	30.9	603	19
WHITEFIELD	W758	VTOP	114	182.3	12.8	12	30.9	602	20
KRUGER	K181TOP	VTOP	118	182.1	13.2	9	29.9	601	21
FE INVISION	FE 822V1 RB	VTOP	118	181.7	13.6	1	27.9	600	22
AUGUSTA	AT108	VTOP	118	188.9	12.8	1	31.8	599	23
WHITEFIELD	W758	VTOP	112	188.1	13.0	1	30.9	597	24
HORNBLOWER	888V1	AKB	114	188.1	13.0	2	29.9	597	25
KRUGER	K181V1	STLB	118	188.4	13.3	6	30.9	577	26
FE INVISION	FE 822V1 RB	VTOP	112	185.3	12.8	1	30.9	576	27
HORNBLOWER	888V1	AKB	112	185.3	12.4	1	29.9	575	28
NUTECH	TC10PK	AKB	118	183.8	13.0	1	30.9	571	29
NUTECH	TC10PK	AKB	118	182.9	13.3	2	30.9	567	30
FE INVISION	FE 822V1 RB	VTOP	112	182.9	12.4	1	30.9	567	31
Average		VTOP	112	187.3	12.9	1	31.1	671	14

REJECTED



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Averages = **154.3** **12.9** **5** **31.1** **575**
LSD (0.10) = ns 0.4 11
LSD (0.25) = ns 0.2 6
C.V. = 18.2

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$3.71

Report Date: 11/11/2019

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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 South [IASO]



Early-Season Test Products (44 Total)

Company/Brand	Product/Brand	Technology	RM
AUGUSTA	A3058	3120,A,B	108
AUGUSTA	A4658	3220,B	108
CHAMPION	57A19VT2PRORIB	VT2P,B	107
CHAMPION	58A18VT2PRORIB	VT2P,B	108
CHAMPION	60A20 VT2 PRO	VT2P,B	110
CHAMPION	61A19VT2PRORIB	VT2P,B	111
DEKALB	DKC61-98RIB CK	VT2P,B	111
DYNA-GRO	D51VC67	VT2P	110
DYNA-GRO	D52VC15	VT2P	111
FS INVISION	FS 57ZV1 RIB	VT2P,B	107
FS INVISION	FS 58RL1 EZR	3220,B	108
FS INVISION	FS 59VL1 EZR	3220,B	109
FS INVISION	FS 60UV1 RIB	VT2P,B	110
FS INVISION	FS 6194V RIB	VT2P,B	111
GOLDEN HARVEST	G08R52-3220-EZR	3220,B	108
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110
GREEN VALLEY	GV7992VT2PRORIB	VT2P,B	109
HOEGEMEYER	8028 AM GC	AM,B	110
HOEGEMEYER	8104 AM GC	AM,B	111
KRUGER	K0807SS	STX,B	108
KRUGER	K0915DD	VT2P,DG,B	109
KRUGER	K0917SS	STX,B	109
KRUGER	K1005DP	VT2P,B	110
KRUGER	K1114SS	STX,B	111
LATHAM	EX 6143 3010	3010	111
LATHAM	LH5769SSRIB	STX,B	107
LATHAM	LH5847VT2PRIB	VT2P,B	108
LATHAM	LH5965VT2PRIB	VT2P,B	109
NK BRAND	NK0821-3120A	3120,A,B	108
NK BRAND	NK1082-3330A-EZR	3330,A,B	110
NUTECH	5FB-8808AM	AM,B	108
NUTECH	5FB-9909AM	AM,B	109
NUTECH	68B3AML	OL,B	108
NUTECH	69A6Q	QR,B	109
NUTECH	70B2Q	QR,B	110
RENK	RK779SSTX	STX,B	108

Company/Brand	Brand/Product	Technology	RM
RENK	RK807SSTX	STX	111
TITAN PRO	94-09 2P	VT2P,B	109
TITAN PRO	98-10 2P	VT2P	110
WYFFELS	W5516RIB	VT2P,B	108
WYFFELS	W5626RIB	VT2P,B	108
WYFFELS	W6408RIB	STX,B	110
WYFFELS	W6826	VT2P	111
WYFFELS	W6956RIB	VT2P,B	111

2019 Corn - Iowa South [IASO]



Full-Season Test Products (53 Total)

Company/Brand	Product/Brand	Technology	RM
AUGUSTA	A4465	3110,B	115
AUGUSTA	A6162	3220,B	112
CHAMPION	62A18VT2PRORIB	VT2P,B	112
CHAMPION	64A15 DG VT2	VT2P,DG,B	114
CHAMPION	64A20 VT2 PRO	VT2P,B	114
CHAMPION	66A18VT2PRORIB	VT2P,B	116
DEKALB	DKC61-98RIB CK	VT2P,B	111
DYNA-GRO	D52VC63	VT2P	112
DYNA-GRO	D55VC80	VT2P	115
FEDERAL	6280VT2PRIB	VT2P,B	112
FEDERAL	6500TRE	TRE	115
FEDERAL	6580VT2P	VT2P	115
FEDERAL	6680VT2PRIB	VT2P,B	116
FS INVISION	FS 62ZV1 RIB	VT2P,B	112
FS INVISION	FS 63ZV1 RIB	VT2P,B	113
FS INVISION	FS 64SV1 RIB	VT2P,B	114
FS INVISION	FS 6595V RIB	VT2P,B	115
FS INVISION	FS 66ZV1 RIB	VT2P,B	116
GOLDEN HARVEST	G12U17-3010	3010	112
GOLDEN HARVEST	G13H15-3120-EZR	3120,B	113
GREEN VALLEY	GV8282VT2PRORIB	VT2P,B	112
GREEN VALLEY	GV8392VT2PRORIB	VT2P,B	113
GREEN VALLEY	GV8472VT2PRORIB	VT2P,B	114
HOEGEMEYER	8382 AM	AM,B	113
HOEGEMEYER	8414 AM	AM,B	114
KRUGER	K1204SS	STX,B	112
KRUGER	K1501SS	STX,B	115
KRUGER	K1611DP	VT2P,B	116
KRUGER	K4R-9116	STX,B	116
KRUGER	K4R-9814	STX,B	114
LATHAM	LH6285VT2PRIB	VT2P	112
LATHAM	LH6304-3220-EZR	3220,B	114
LATHAM	LH6317VT2PDGRIB	VT2P,DG,B	113
LATHAM	LH6477VT2PRIB	VT2P,B	114
NK BRAND	NK1205-3120-EZR	3120,B	112
NK BRAND	NK1354-3220-EZR	3220,B	113

Company/Brand	Brand/Product	Technology	RM
NK BRAND	NK1573-3330-EZR	3330,B	115
NUTECH	5FB-2213AM	AM,B	113
NUTECH	5LB-6313AMXT	AMXT,B	113
NUTECH	71C1PCR	PC,B	112
NUTECH	75D2AM	AM,B	115
NUTECH	75G1AM	AM,B	115
RENK	9-115SSTX	STX	115
RENK	RK937VT2P	VT2P,B	113
RENK	RK945DGV2P	VT2P,DG,B	115
RENK	RK961VT2P	VT2P,B	116
RENK	RK965VT2P	VT2P,B	116
TITAN PRO	82-14 2P	VT2P,B	114
WYFFELS	W7696RIB	VT2P,B	113
WYFFELS	W7726	VT2P	113
WYFFELS	W7878	STX	114
WYFFELS	W7956	VT2P	114
WYFFELS	W8936DG	VT2P,DG,B	117

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.