

Test by: North Iowa F.I.R.S.T., Inc Sanborn, IA

2019 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] WATERLOO, IA
Rottinghaus Farms, Black Hawk County, IA 50703

Early-Season Test	101 - 106 Day CRM B2019IANC06a
Top 30 of 72	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Prowl, Sonic, Flexstar
SOIL DESCRIPTION:	Readlyn silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, low K, 5.7 pH, 3.0% OM, 14.7 CEC
PEST MANAGEMENT:	Armazon, Trivapro, Sniper
FERTILITY - Applied N:	17.0 Fall, 246 Spring
Applied N-P-K (units):	263-78-90
SEEDED - RATE - ROW:	May 4 38.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 36.5 /A

TEST COMMENTS:

Good stands and early season vigor were a result of timely rain early that continued through the season ahead of key yield-determining growth stages. July was a bit dry but pollination was successful and ears set kernels to the tips almost without exception. The 8.3 inches of moisture and a little extra heat during September was ideal for filling deep kernels and adding excellent test weight ahead of the cool October weeks that followed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105	262.6	19.8	36	37.8	967	1
LATHAM	LH5245VT2PRIB	VT2P,B	102	258.1	19.4	1	36.5	952	2
NK BRAND	NK0602-3120-EZR	3120,B	106	255.0	22.3	9	37.1	922	6
WYFFELS	W4358RIB	STX,B	106	255.0	21.2	1	37.1	929	3
WYFFELS	W4196RIB	VT2P,B	105	253.2	20.6	1	37.8	927	4
KRUGER	K4R-9704	STX,B	104	251.9	19.8	1	36.5	927	5
RENK	RK710DGVT2P	VT2P,DG,B	106	250.6	21.1	1	37.8	914	9
LATHAM	LH5487VT2PRIB	VT2P,B	104	250.5	20.7	1	36.5	916	7
TITAN PRO	82-04 2P	VT2P,B	104	249.4	20.0	1	37.8	916	8
VIKING	84-05	None	105	248.7	20.3	1	37.2	912	10
TITAN PRO	96-06 2P	VT2P,B	106	246.9	20.4	1	36.5	905	11
NUTECH	66B6Q	QR,B	106	244.3	21.6	1	37.8	888	15
KRUGER	K4R-9706	STX,B	106	243.6	22.3	6	37.2	881	20
KRUGER	K4R-9802	STX,B	102	243.2	19.4	1	37.1	897	13
CORNELIUS	C385DP	VT2P	103	243.0	18.9	5	37.1	900	12
FS INVISON	FS 51QX1 RIB	STX,B	101	242.9	19.4	4	37.8	897	14
CHAMPION	55A20 3220 EZ	3220,B	105	242.0	21.0	9	36.5	883	18
PROHARVEST	6746SS	STX	106	241.0	20.9	1	36.5	880	21
NUTECH	65H2Q	QR,B	105	240.3	20.5	1	37.1	880	22
TITAN PRO	TP 40-03	None	103	240.2	19.5	4	36.5	886	16
NUTECH	E62F1Q	QR,B	102	239.7	20.1	1	36.5	880	23
WYFFELS	W2506RIB	VT2P,B	101	239.6	19.1	1	37.8	886	17
RENK	RK642VT2P	VT2P,B	103	239.0	19.4	1	33.2	882	19
CHAMPION	53A20 VT2 PRO	VT2P,B	103	238.7	20.6	1	34.5	874	25
EPLEY	E1503VT2P	VT2P	105	238.6	19.9	1	37.1	877	24
INTEGRA	5280	STX,B	102	237.2	20.6	1	37.8	868	28
WYFFELS	W3488RIB	STX,B	104	237.1	20.3	1	35.8	870	26
VIKING	51-04	None	104	236.2	20.7	1	32.6	864	29
LATHAM	LH5635VT2PRIB	VT2P,B	106	234.6	20.5	1	34.5	859	31
CORNELIUS	C478DP	VT2P	106	234.2	20.1	1	35.2	860	30
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	238.2	21.2	1	37.8	868	27

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages =	233.0	20.3	3	36.5	854
LSD (0.10) =	9.3	0.7	7		
LSD (0.25) =	4.9	0.4	4		
C.V. =	3.8				

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.80

Report Date: 10/27/2019

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

©2019, All rights reserved by Elite Field Genetics, LLC

Test by: North Iowa F.I.R.S.T., Inc Sanborn, IA

2019 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] WATERLOO, IA
Rottinghaus Farms, Black Hawk County, IA 50703

Full-Season Test	107 - 110 Day CRM B2019IANC06b
Top 30 of 66	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Prowl, Sonic, Flexstar
SOIL DESCRIPTION:	Readlyn silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, low K, 5.7 pH, 3.0% OM, 14.7 CEC
PEST MANAGEMENT:	Armazon, Trivapro, Sniper
FERTILITY - Applied N:	17.0 Fall, 246 Spring
Applied N-P-K (units):	263-78-90
SEEDED - RATE - ROW:	May 4 38.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 36.5 /A

TEST COMMENTS:

Good stands and early season vigor were a result of timely rain early that continued through the season ahead of key yield-determining growth stages. July was a bit dry but pollination was successful and ears set kernels to the tips almost without exception. The 8.3 inches of moisture and a little extra heat during September was ideal for filling deep kernels and adding excellent test weight ahead of the cool October weeks that followed.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CORNELIUS	C633DP	VT2P	110	270.4	21.8	1	33.9	981	1
WYFFELS	W5516RIB	VT2P,B	108	266.6	21.6	1	37.2	969	2
CHAMPION	57A19VT2PRORIB	VT2P,B	107	263.0	21.4	1	35.8	957	3
CORNELIUS	C573DP	VT2P	108	257.9	21.2	1	37.8	940	4
INTEGRA	5939	STX,B	109	255.7	21.6	1	37.8	929	6
DEKALB	DKC60-88RIB GC	VT2P,B	110	255.2	23.8	1	34.5	914	13
WYFFELS	W5086	VT2P	107	255.0	20.6	1	37.2	933	5
LATHAM	LH5847VT2PRIB	VT2P,B	108	255.0	23.2	1	37.1	917	9
KRUGER	K1005DP	VT2P,B	110	254.3	23.3	1	35.8	913	14
GOLDEN HARVEST	G08M20-3120-EZR	3120,B	108	253.7	22.7	4	37.8	915	12
NUTECH	5FB-9909AM	AM,B	109	253.5	22.5	2	35.2	916	11
RENK	RK763VT2P	VT2P,B	108	252.5	21.8	1	37.8	917	10
ARMOR	X9107A	STX	107	252.5	21.6	1	37.1	918	8
CHAMPION	60A20 VT2 PRO	VT2P,B	110	252.1	24.0	1	37.1	901	21
HEFTY	H5832VT2P	VT2P	108	252.0	19.9	1	36.5	927	7
CORNELIUS	6869	None	108	252.0	22.0	1	37.1	913	15
KRUGER	K0915DD	VT2P,DG,B	109	250.4	23.2	1	36.5	900	22
HEFTY	H5734SS	STX	107	249.4	20.8	4	37.1	912	16
RENK	RK765VT2P	VT2P	108	249.3	20.9	1	37.8	911	17
BECKS	5765AMXT GC	AMXT,B	107	248.6	20.8	6	37.1	908	18
INTEGRA	5719	VT2P,B	107	248.4	21.7	1	35.8	902	20
LATHAM	LH5725VT2PRIB	VT2P,B	107	248.1	21.3	1	34.5	903	19
HEFTY	H5812VT2PRIB	VT2P,B	108	248.1	22.3	1	37.8	898	23
KRUGER	K0917SS	STX,B	109	247.7	22.8	2	37.1	893	25
NK BRAND	NK0886-3120-EZR	3120,B	108	247.0	21.8	1	37.8	897	24
LATHAM	LH5965VT2PRIB	VT2P,B	109	246.9	23.0	4	37.1	889	28
HEFTY	H5922VT2PRIB	VT2P,B	109	246.9	22.6	11	34.5	892	27
WYFFELS	W6408RIB	STX,B	110	246.5	22.8	1	37.1	888	29
BECKS	6049V2P GC	VT2P,B	110	246.3	22.9	1	35.8	887	30
VIKING	48-08	None	108	245.5	21.5	1	37.8	893	26
PIONEER	P0589AMXT CK	AMXT,AQ,B	105	235.6	21.4	1	36.5	858	49

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **243.4** **22.3** **6** **36.5** **881**

LSD (0.10) = 9.1 1.0 9

LSD (0.25) = 4.8 0.5 5

C.V. = 3.6

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.80

2019 Corn - Iowa North Central [IANC]



Early-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technology	RM
ARMOR	X9101A	VT2P	101
ARMOR	X9105	VT2P	106
ARMOR	X9105B	VT2P	105
AUGUSTA	A3054	3110	104
CHAMPION	53A19SSRIB	STX,B	103
CHAMPION	53A20 VT2 PRO	VT2P,B	103
CHAMPION	55A20 3220 EZ	3220,B	105
CHAMPION	56A18VT2PRORIB	VT2P,B	106
CORNELIUS	C385DP	VT2P	103
CORNELIUS	C478DP	VT2P	106
CORNELIUS	C6438DP	VT2P	104
DEKALB	DKC54-38RIB GC	STX,B	104
EPLEY	E1330	None	103
EPLEY	E1503VT2P	VT2P	105
FS INVISION	FS 51QX1 RIB	STX,B	101
FS INVISION	FS 53ZX1 RIB	STX,B	103
FS INVISION	FS 5594X RIB	STX,B	105
FS INVISION	FS 55RL1 EZR	3220,B	105
GOLDEN HARVEST	G02K39-3120-EZR	3120,B	102
GOLDEN HARVEST	G03R40-3110	3110	103
GOLDEN HARVEST	G05K08-3010A-EXR	3010,A	105
HEFTY	H5132VT2P	VT2P	101
HEFTY	H5302VT2PRIB	VT2P,B	103
HEFTY	H5432VT2P	VT2P	104
HEFTY	H5504SSRIB	STX,B	105
HEFTY	H5522VT2PRIB	VT2P,B	105
INTEGRA	5280	STX,B	102
INTEGRA	5529	STX,B	105
KRUGER	K0109SS	STX,B	101
KRUGER	K0518DD	VT2P,DG,B	105
KRUGER	K4R-9704	STX,B	104
KRUGER	K4R-9706	STX,B	106
KRUGER	K4R-9802	STX,B	102
LATHAM	LH5160	None	101
LATHAM	LH5245VT2PRIB	VT2P,B	102
LATHAM	LH5377VT2PRIB	VT2P,B	100

Company/Brand	Brand/Product	Technology	RM
LATHAM	LH5487VT2PRIB	VT2P,B	104
LATHAM	LH5635VT2PRIB	VT2P,B	106
LEGEND	LR9701GENSSRIB	STX,B	101
LEGEND	LR9804GENSSRIB	STX,B	104
LEGEND	LR9903GENSSRIB	STX,B	103
NK BRAND	NK0243-3120-EZR	3120,B	102
NK BRAND	NK0472-3110	3110	104
NK BRAND	NK0602-3120-EZR	3120,B	106
NUTECH	5F-601AM	AM,B	100
NUTECH	64D1AM	AM,B	104
NUTECH	65H2Q	QR,B	105
NUTECH	66B6Q	QR,B	106
NUTECH	E62F1Q	QR,B	102
PIONEER	P0157AMXT GC	AMXT,AQ,B	101
PIONEER	P0339AMXT GC	AMXT,AQ,B	103
PIONEER	P0589AMXT CK	AMXT,AQ,B	105
PROHARVEST	6258SS	STX	102
PROHARVEST	6746SS	STX	106
RENK	RK621VT2P	VT2P	102
RENK	RK626SSTX	STX	102
RENK	RK642VT2P	VT2P,B	103
RENK	RK710DGV2P	VT2P,DG,B	106
RENK	RK737SSTX	STX,B	106
TITAN PRO	82-04 2P	VT2P,B	104
TITAN PRO	91-02	None	102
TITAN PRO	96-06 2P	VT2P,B	106
TITAN PRO	TP 40-03	None	103
TITAN PRO	TP 70-06	None	106
VIKING	42-05	None	105
VIKING	51-04	None	104
VIKING	55-02	None	102
VIKING	84-05	None	105
WYFFELS	W2506RIB	VT2P,B	101
WYFFELS	W3488RIB	STX,B	104
WYFFELS	W4196RIB	VT2P,B	105
WYFFELS	W4358RIB	STX,B	106

2019 Corn - Iowa North Central [IANC]



Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technology	RM
ARMOR	X9107A	STX	107
ARMOR	X9110	VT2P	108
AUGUSTA	A1059	3110	109
BECKS	5765AMXT GC	AMXT,B	107
BECKS	6049V2P GC	VT2P,B	110
CHAMPION	57A19VT2PRORIB	VT2P,B	107
CHAMPION	58A18VT2PRORIB	VT2P,B	108
CHAMPION	59A20 3220 EZ	3220,B	109
CHAMPION	60A20 VT2 PRO	VT2P,B	110
CORNELIUS	6869	None	108
CORNELIUS	C573DP	VT2P	108
CORNELIUS	C633DP	VT2P	110
DEKALB	DKC58-34RIB GC	STX,B	108
DEKALB	DKC60-88RIB GC	VT2P,B	110
EPLEY	E1730	None	107
EPLEY	E1800	None	108
FS INVISION	FS 57ZX1 RIB	STX,B	107
FS INVISION	FS 58G00	None	108
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	G08D29-3120A-EZR	3120,A,B	108
GOLDEN HARVEST	G08M20-3120-EZR	3120,B	108
GOLDEN HARVEST	G10L16-3330A-EZR	3330,A,B	110
HEFTY	H5734SS	STX	107
HEFTY	H5812VT2PRIB	VT2P,B	108
HEFTY	H5832VT2P	VT2P	108
HEFTY	H5922VT2PRIB	VT2P,B	109
INTEGRA	5719	VT2P,B	107
INTEGRA	5770	STX	107
INTEGRA	5939	STX,B	109
INTEGRA	CX901110	VT2P	110
KRUGER	K0716SS	STX,B	107
KRUGER	K0807SS	STX,B	108
KRUGER	K0915DD	VT2P,DG,B	109
KRUGER	K0917SS	STX,B	109

Company/Brand	Brand/Product	Technology	RM
KRUGER	K1005DP	VT2P,B	110
LATHAM	LH5725VT2PRIB	VT2P,B	107
LATHAM	LH5740	None	107
LATHAM	LH5769SSRIB	STX,B	107
LATHAM	LH5847VT2PRIB	VT2P,B	108
LATHAM	LH5965VT2PRIB	VT2P,B	109
LEGEND	LR9809VT2PRIB	VT2P,B	109
LEGEND	LR99A093120ARIB	3120,A,B	109
NK BRAND	NK0821-3120A	3120,A,B	108
NK BRAND	NK0886-3120-EZR	3120,B	108
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
PIONEER	P0589AMXT CK	AMXT,AQ,B	105
PIONEER	P0919AM GC	AM,B	109
PIONEER	P1197AM GC	AM,B	111
PROHARVEST	6828SS	STX	107
PROHARVEST	8052SS	STX	109
RENK	RK763VT2P	VT2P,B	108
RENK	RK765VT2P	VT2P	108
RENK	RK779SSTX	STX,B	108
TITAN PRO	91-07	None	107
TITAN PRO	98-10 2P	VT2P	110
VIKING	48-08	None	108
WYFFELS	W4638	STX	107
WYFFELS	W5086	VT2P	107
WYFFELS	W5516RIB	VT2P,B	108
WYFFELS	W6408RIB	STX,B	110

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.