

# 2018 Corn Grain Top 30 Harvest Report

Iowa North Central [ IANC ] IOWA FALLS  
 Pete Bartlett, Hardin County, IA 50126



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

PREV. CROP/HERB: Corn, 2+ Yr / Corvus, atrazine, Laudis  
 SOIL DESCRIPTION: Clarion-Nicollet loam, moderately drained, non-irrigated  
 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 7.1 pH, 3.8% OM, 19.7 CEC  
 PEST MANAGEMENT: Force 3G, Corvus, atrazine  
 FERTILITY - Applied N: 250 Fall  
 Applied N-P-K (units): 250-40-200  
 SEEDING - RATE - ROW: Apr 30 38,000 /A 30" spacing  
 HARVESTED - STAND: Oct 19 33,200 /A

**Early-Season Test**  
**101 - 106 Day CRM**  
 B2018IANC05a

**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
Phase	9613PE	PEL	106	208.1	15.6	40	33.9	626	1
Latham	LNH240V20PhuRB	V20PB	106	201.4	15.3	6	34.5	610	2
HyBrid	961900B	V20PB	106	241.9	15.6	1	31.9	608	3
961900B	961900	3010	106	240.2	15.2	1	35.2	601	4
HyTech/22 Gen	9F 421	46A42B	101	247.9	15.1	1	34.5	796	5
Latham	LNH240V20PhuRB	V20PB	102	242.0	15.6	2	33.9	794	6
FS 6270CN	FS 6271 RB	371B	103	240.3	15.1	1	33.1	779	7
HyTech/22 Gen	9F 424	46B	104	240.3	15.1	1	33.1	773	8
Kroger	KAR 6704	371B	106	239.7	15.3	1	33.2	770	9
LG Seeds	LG622V20RB	V20PB	102	238.0	15.1	1	33.9	767	10
Holly	H622V20P	V20P	104	236.7	15.1	1	33.9	767	11
Cornhusk	CA6100	371B	106	234.4	15.1	1	35.2	762	12
FS 6270CN	FS 6271 RB	371B	106	231.1	15.1	1	33.2	759	13
Phase	PE9600B GC	371B	103	230.7	15.9	13	33.2	753	15
Champion	9619V20PhuRB	V20PB	106	229.7	15.3	1	33.2	756	14
Golden Harvest	GH627 320-629	371B	106	229.9	15.9	40	33.5	734	25
Kroger	KAR 6704	371B	106	229.8	15.2	1	33.5	745	16
Rock	967170P	371B	106	229.8	15.4	1	33.5	744	18
Rock	967170P	371B	106	229.8	15.5	6	35.2	743	20
Holly	H622V20P	371B	106	229.3	15.2	1	34.5	744	19
HyTech/22 Gen	9F 424	46B	104	229.7	15.6	1	31.9	739	21
Phase	96110E	371B	106	229.4	15.7	9	33.9	738	22
Strong	11 04	None	104	229.0	15.5	40	35.2	738	23
HyBrid	961900B	371B	104	227.3	15.7	2	33.9	734	26
Golden Harvest	GH628 320-629	371A	106	226.9	15.4	1	31.2	735	24
Golden Harvest	GH628 320-629	371B	103	226.5	15.8	38	35.2	724	27
Golden Harvest	GH628 320-629	371B	106	221.4	15.8	6	33.2	720	28
Cornhusk	CA700P	V20P	106	221.1	15.6	9	33.2	716	29
HyBrid	961900B	371B	106	220.5	15.8	1	33.2	711	30
Strong	11 05	None	104	211.8	15.9	12	33.9	696	31

DATA REJECTED

*Corey Rozenboom*

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

Averages =	<b>215.3</b>	<b>15.6</b>	<b>6</b>	<b>33.2</b>	<b>696</b>
LSD (0.10) =	35.7	0.5	9		
LSD (0.25) =	18.7	0.2	5		
C.V. =	15.8	Prev. years average yield, 194.5 bu/a, 17 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.25; non-GMO = \$3.25

**Test Comments:** While conditions at planting were good, 4.5" of showers during May challenged plant establishment. Rainfall was consistent throughout the season bringing rain to the crop every couple weeks or so. The site received rain in large doses during the season revealing some inconsistencies in subsoil drainage across the plot. Variable yields were common in the area. Highly variable data rejected.

† 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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Report Date: 10/21/2018 Revised:

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 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 7.1 pH, 3.8% OM, 19.7 CEC  
 PEST MANAGEMENT: Force 3G, Corvus, atrazine  
 FERTILITY - Applied N: 250 Fall  
 Applied N-P-K (units): 250-40-200  
 SEEDING - RATE - ROW: Apr 30 38,000 /A 30" spacing  
 HARVESTED - STAND: Oct 19 33,300 /A

## Full-Season Test

107 - 110 Day CRM

B2018IANC05b

## 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
Golden Harvest	GM445 3000Z	3000Z	100	245.9	15.8	1	33.2	794	1
Golden Harvest	GM425 3010	3010	100	243.1	15.4	1	33.2	792	2
MR Brand	MR200 3010	3010	100	242.5	15.1	6	34.5	791	3
Cornelius	CL70P	V70P	100	235.2	15.0	1	33.2	784	4
Pharo	PH2100	STL_B	100	234.5	15.1	2	33.2	783	5
Reva	RE7000T1	STL	100	229.1	15.1	2	33.2	779	6
NuTack/2 Gen	NP 300	AMB	100	225.4	15.1	1	33.9	726	7
Golden Harvest	GM425 3120A-22R	3120A-B	100	222.1	15.4	1	33.2	716	8
Reva	RE7000T2P	V70P-B	100	219.4	15.2	1	33.2	709	9
LG Seeds	LG4400T-AMB	STL_B	100	217.6	15.1	1	33.9	704	10
Holly	HE320V70P	V70P	100	217.0	15.1	1	33.8	700	11
Pharo	PH2000 GC	AMB	100	212.7	15.1	1	33.9	696	12
Holly	HE3000	V70P-B	110	211.9	15.1	4	33.8	691	13
LG Seeds	LG4600T-2PMB	STL_B	100	211.1	15.4	1	33.5	673	14
Champion	CH400V70P-AMB	STL_B	100	210.7	14.8	1	33.2	668	15
Lathan	LA720V70P	V70P	100	209.1	15.2	1	33.8	664	17
Holly	HE3400MB	STL_B	100	204.5	15.5	2	29.2	662	18
FS w/IBCN	FS 6721 100	STL_B	100	203.9	15.1	1	29.2	662	19
Team Pro	TP 400	AMB	100	203.7	15.6	4	33.8	659	20
Champion	CH400V70P	V70P	100	203.3	15.8	1	33.9	657	21
FS w/IBCN	FS 6511 100	STL_B	110	203.2	15.6	10	33.2	657	22
Ruger	RUG710	STL_B	100	200.3	15.8	1	33.2	647	23
Cornelius	CL400	STL	100	199.1	15.8	4	33.9	643	24
Pharo	PH400	PCE	100	198.9	17.4	20	33.9	634	26
DeWitt	DC400	STL_B	100	198.4	16.4	1	31.2	630	25
NuTack/2 Gen	NP 400	AMB	110	196.5	16.6	1	33.9	621	28
Legend	LE900V70P-AMB	STL_B	107	195.3	15.1	1	33.2	624	27
FS w/IBCN	FS 6020	None	100	194.8	16.8	1	33.5	624	30
Legend	LE800	STL	100	194.6	16.6	1	33.5	625	29
LG Seeds	LG4000V70PMB	V70P	100	193.2	15.8	1	33.8	624	31

REJECTED

*Corey Rozenboom*

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

Averages = **196.0** **15.8** **4** **33.3** **633**

LSD (0.10) = 36.9 0.5 9

LSD (0.25) = 19.4 0.3 5

C.V. = 17.9 Prev. years average yield, 194.5 bu/a, 17 yrs

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.25; non-GMO = \$3.25

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2018 Corn Grain - Iowa North Central [ IANC ]



**Early-Season Test Products (60 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	51A19VT2ProRIB	VT2P	AC,P2	101	Renk	RK642SSTX	STX,B	AC,P5V	103
Champion	52A18VT2ProRIB	VT2P,B	AC,P2	102	Renk	RK717SSTX	STX,B	AC,P5V	105
Champion	53A19SSRIB	STX	AC,P5V	103	Renk	RK737SSTX	STX	AC,P5V	106
Champion	56A18VT2ProRIB	VT2P,B	AC,P2	106	Titan Pro	82-04 2P	VT2P,B	AC,P2	104
Cornelius	C385DP	VT2P	CM,C2	103	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
Cornelius	C461SS	STX	AC,P5V	106	Titan Pro	TP 40-03	None	CM,C2,Vi	103
Cornelius	C478DP	VT2P	AC,P5V	106	Titan Pro	TP 70-06	None	CM,C2,Vi	106
De Dell Seeds	DL 6207	None	MQ	106	Viking	42-05	None	CM,C2	105
Epley	E1312SS	STX	AC,P5V	103	Viking	51-04	None	CM,C2	104
FS InVISION	FS 51QX1 RIB	STX,B	AC,P5V	101	Viking	55-02	None	AC,P5V	102
FS InVISION	FS 52RL0 EZR	3120,B	CM,C2,Vi	102	Viking	63-05	None	CM,C2	104
FS InVISION	FS 53ZX1 RIB	STX,B	AC,P5V	103	Wyffels	W3078RIB	STX,B	AC,P5V	106
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105	Wyffels	W3488	STX	AC,P5V	104
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Wyffels	W4196RIB	VT2P,B	AC,P5V	105
Golden Harvest	G05K08-3010A	3010,A	AVC,C2,Vi	105	Wyffels	W4796RIB	VT2P,B	AC,P5V	106
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106					
Golden Harvest	G06Z97-3120-EZR	3120,B	AVC,C2,Vi	106					
Hefty	H5212VT2PRIB	VT2P,B	HC	102					
Hefty	H5302VT2PRIB	VT2P,B	HC	103					
Hefty	H5522VT2P	VT2P	HC	105					
Hefty	H5524SS	STX	HC	105					
Kruger	K0109SS	STX,B	AC,P5V	101					
Kruger	K4R-9704	STX,B	AC,P5V	104					
Kruger	K4R-9706	STX,B	AC,P5V	106					
Kruger	K4R-9802	STX,B	AC,P5V	102					
Latham	LH5245VT2ProRIB	VT2P,B	AC,P2	102					
Latham	LH5487VT2Pro	VT2P	AC,P5V	104					
Latham	LH5505VT2ProRIB	VT2P,B	AC,P2	105					
Latham	LH5635VT2ProRIB	VT2P,B	AC,P2	106					
Legend	LR9705GENSSRIB	STX,B	CM,C2,Vi	105					
Legend	LR9804GENSSRIB	STX,B	CM,C2,Vi	104					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
NK Brand	NK0602-3010	3010	AVC,C2,Vi	106					
NK Brand	NK0624-3220-EZR	3220,B	AVC,C2,Vi	106					
NuTech/G2 Gen	5F-503	AM,B	MQ,P5V,R	103					
NuTech/G2 Gen	5F-504	AM,B	MQ,P5V,R	104					
NuTech/G2 Gen	5F-601	AM,AQ,B	MQ,P5V,R	101					
NuTech/G2 Gen	E5FN-A604	OI	MQ,P1V,R	104					
Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103					
Pfister	64F1PE	PC,E	CM,C5,Vi,In	104					
Pfister	65G1SE	STX,E	CM,C5,Vi,In	105					
Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106					
Pioneer	P0306AM GC	AM,AQ,B	MQ,C5,R,Lu	103					
Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105					
Renk	RK604SSTX	STX	AC,P5V	102					

2018 Corn Grain - Iowa North Central [ IANC ]



**Full-Season Test Products (60 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	57A19VT2ProRIB	VT2P	AC,P2	107	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Champion	58A18VT2ProRIB	VT2P,B	AC,P2	108	Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105
Champion	60A18VT2ProRIB	VT2P,B	AC,P2	110	Pioneer	P0919AM GC	AM,B	MQ,C2,R,Lu	109
Champion	CSX59A16SSRIB	STX,B	AC,P5V	109	Pioneer	P1197AM GC	AM,B	MQ,C2,R,Lu	111
Cornelius	C564SS	STX	AC,P5V	108	Renk	RK763VT2P	VT2P,B	AC,P2	108
Cornelius	C573DP	VT2P	CM,C2	108	Renk	RK779SSTX	STX	AC,P5V	108
Cornelius	C577SS	STX	AC,P5V	109	Renk	RK815SSTX	STX,B	AC,P2	110
Cornelius	C633DP	VT2P	CM,C2	110	Titan Pro	82-09 2P	VT2P,B	AC,P2	109
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108	Titan Pro	TP 40-09	None	CM,C2,Vi	109
Epley	E1712SS	STX	AC,P5V	107	Viking	13-07	None	CM,C2	107
FS InVISION	FS 57ZX1 RIB	STX,B	AC,P5V	107	Viking	48-08	None	AC,P5V	108
FS InVISION	FS 58G00	None	AC,P2	108	Wyffels	W5516RIB	VT2P,B	AC,P5V	108
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110	Wyffels	W5626	VT2P	AC,P5V	108
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110	Wyffels	W6408	STX	AC,P5V	110
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108	Wyffels	W6896RIB	VT2P,B	AC,P2	110
Golden Harvest	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	G09A86-3000GT	3000GT	AVC,C5,Vi	109					
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
Hefty	H5812VT2PRIB	VT2P,B	HC	108					
Hefty	H5922VT2P	VT2P	HC	109					
Hefty	H6004SSRIB	STX,B	HC	110					
Hefty	H6024SS	STX,B	HC	110					
Kruger	K0807SS	STX,B	AC,P5V	108					
Kruger	K1005DP	VT2P,B	AC,P2	110					
Kruger	K4R-9608	STX,B	AC,P5V	108					
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	LR9907GENSSRIB	STX,B	CM,C2,Vi	107					
Legend	X0895	STX	CM,C2,Vi	108					
Legend	X0991	STX	CM,C2,Vi	109					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	109					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
Miller Hybrids	RX10-36SS	STX	AC,P5V	110					
NK Brand	NK0886-3010	3010	AVC,C5,Vi	108					
NK Brand	NK0962-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
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					
NuTech/G2 Gen	5FN-8808	OI	MQ,P1V,R	108					
Pfister	2545RASS	STX,B	CM,C5,Vi,In	107					
Pfister	68A1PE	PC,E	CM,C5,Vi,In	108					
Pfister	69E2SSR	STX,B	CM,C5,Vi,In	109					

## 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.