

2018 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] GREENE
Mike Ruby, Butler County, IA 50636



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

PREV. CROP/HERB: Soybean / Roundup, 2,4-D, Authority MTZ, Roundup
SOIL DESCRIPTION: Floyd loam, mod. well drained, non-irrigated
SOIL CONDITION: Conventional w/o fall till, very high P, very high K, 5.6 pH, 4.0% OM, 20.5 CEC
PEST MANAGEMENT: Harness Xtra, atrazine, Force 3G
FERTILITY - Applied N: 171 Spring, 36 Sidedress
Applied N-P-K (units): 207-117-0
SEEDING - RATE - ROW: May 8 35,700 /A 30" spacing
HARVESTED - STAND: Oct 18 33,200 /A

Early-Season Test

101 - 106 Day CRM
B2018IANC04a

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
Kruger	K4R-9706	STX,B	106	253.2	19.7	2	33.9	787	3
LG Seeds	LG5525VT2RIB	VT2P,B	105	249.9	18.5	2	33.9	786	4
Cornelius	C385DP	VT2P	103	247.7	17.1	3	32.5	789	1
Champion	52A18VT2ProRIB	VT2P,B	102	247.6	17.3	2	33.2	788	2
Pioneer	P0306AM GC	AM,AQ,B	103	247.5	18.2	3	32.5	781	5
Wyffels	W4196RIB	VT2P,B	105	246.4	18.3	3	33.9	776	6
Viking	42-05	None	105	246.1	19.5	2	34.5	767	13
Titan Pro	TP 70-06	None	106	245.8	18.8	3	32.5	771	12
Wyffels	W3488	STX	104	244.7	17.7	7	33.9	775	7
Hefty	H5522VT2P	VT2P	105	244.6	18.0	6	33.9	773	8
Pfister	64F1PE	PC,E	104	244.1	17.9	4	33.2	772	11
Pfister	63A3SSR	STX,B	103	243.6	17.6	7	34.5	773	9
Renk	RK604SSTX	STX	102	243.1	17.4	5	33.2	773	10
Kruger	K0109SS	STX,B	101	243.1	18.6	2	33.2	764	14
Latham	LH5487VT2Pro	VT2P	104	241.9	18.2	2	32.5	763	15
Kruger	K4R-9704	STX,B	104	241.6	18.0	3	31.2	763	16
NuTech/G2 Gen	E5FN-A604	OI	104	241.4	18.1	3	32.5	762	17
NuTech/G2 Gen	5F-504	AM,B	104	240.4	18.7	2	34.5	755	21
Titan Pro	TP 40-03	None	103	239.8	17.9	15	31.2	758	19
Titan Pro	82-04 2P	VT2P,B	104	239.5	17.8	6	28.5	758	20
Latham	LH5245VT2ProRIB	VT2P,B	102	238.7	17.2	3	35.2	760	18
NuTech/G2 Gen	5F-601	AM,AQ,B	101	236.1	17.4	3	32.5	750	24
Cornelius	C461SS	STX	106	235.6	17.1	2	33.9	751	23
Champion	53A19SSRIB	STX	103	235.5	18.6	2	34.5	740	29
Wyffels	W4796RIB	VT2P,B	106	234.3	17.7	2	34.5	742	26
Viking	51-04	None	104	233.9	17.4	14	34.5	743	25
Renk	RK717SSTX	STX,B	105	233.8	18.5	2	34.5	735	31
Golden Harvest	G05K08-3010A	3010,A	105	233.4	17.3	10	33.2	742	27
Pfister	66Y3PE	PC,E	106	233.3	18.2	15	33.2	736	30
FS InVISION	FS 51QX1 RIB	STX,B	101	231.7	16.8	2	33.9	741	28
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	240.5	19.0	2	33.9	753	22

Corey Rozenboom

Corey Rozenboom

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

Averages = **233.1** **18.1** **5** **33.2** **736**

LSD (0.10) = 9.0 0.5 7

LSD (0.25) = 4.7 0.3 4

C.V. = 3.7 Prev. years average yield, 196.7 bu/a, 18 yrs

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

Test Comments: *This site has heavy soils and great fertility. Favorable weather from planting through maturity led to relatively stress-free growing conditions. Plentiful rains with a cool July and parts of August resulted in great yields. May 2.8", June 7", July 5.9", Aug 11.3", Sept 11.2". Stalk quality was starting to decline - lodging was noted. Incredible consistency at this site allowed for great data.*

† 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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PEST MANAGEMENT: Harness Xtra, atrazine, Force 3G
FERTILITY - Applied N: 171 Spring, 36 Sidedress
Applied N-P-K (units): 207-117-0
SEEDING - RATE - ROW: May 8 35,700 /A 30" spacing
HARVESTED - STAND: Oct 18 33,300 /A

Full-Season Test
107 - 110 Day CRM
B2018IANC04b

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
Viking	48-08	None	108	249.1	20.9	3	32.5	773	1
Latham	EX5917VT2Pro	VT2P	109	245.0	20.3	2	31.9	764	2
Wyffels	W5516RIB	VT2P,B	108	243.8	19.9	14	34.5	762	3
FS InVISION	FS 58G00	None	108	241.7	21.4	10	32.5	747	8
Pioneer	P1197AM GC	AM,B	111	240.4	21.8	2	33.9	740	11
Renk	RK763VT2P	VT2P,B	108	239.4	18.4	3	31.9	758	4
Cornelius	C633DP	VT2P	110	239.3	19.8	2	32.5	749	6
Kruger	K4R-9608	STX,B	108	239.0	19.7	2	34.5	749	7
Hefty	H5922VT2P	VT2P	109	238.1	19.8	2	33.2	745	9
FS InVISION	FS 60UX1 RIB	STX,B	110	236.8	21.2	3	35.8	733	15
Cornelius	C573DP	VT2P	108	234.9	18.5	2	33.2	743	10
Cornelius	C577SS	STX	109	234.7	20.3	2	32.5	732	16
Kruger	K0807SS	STX,B	108	234.6	19.3	3	31.9	737	13
Champion	58A18VT2ProRIB	VT2P,B	108	234.3	18.7	3	33.9	740	12
Kruger	K1005DP	VT2P,B	110	233.7	21.0	2	34.5	724	18
Miller Hybrids	RX10-36SS	STX	110	233.4	21.5	2	31.9	721	21
NuTech/G2 Gen	5FB-1010	AM,B	110	233.1	21.0	3	32.5	723	20
Dekalb	DKC58-06RIB GC	STX,B	108	232.4	20.4	3	32.5	724	19
Latham	LH5725VT2Pro	VT2P	107	232.2	18.4	6	35.2	735	14
Renk	RK779SSTX	STX	108	230.7	22.0	2	33.2	709	29
Champion	57A19VT2ProRIB	VT2P	107	230.3	18.3	6	33.9	729	17
Hefty	H6004SSRIB	STX,B	110	230.0	20.2	2	31.2	718	23
LG Seeds	LG58C77VT2PRO	VT2P	108	228.9	19.4	2	34.5	719	22
Titan Pro	82-09 2P	VT2P,B	109	228.9	20.1	8	32.5	715	24
Wyffels	W6408	STX	110	228.8	20.8	2	31.9	710	28
NuTech/G2 Gen	5F-308	AM,B	108	227.6	19.9	2	33.9	712	25
Pioneer	P0919AM GC	AM,B	109	227.6	20.1	2	33.2	711	26
Latham	LH5965VT2ProRIB	VT2P,B	109	227.4	20.0	13	32.5	711	27
Titan Pro	TP 40-09	None	109	224.1	18.7	2	33.2	708	30
Legend	X0991	STX	109	223.9	18.6	2	34.5	708	31
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	238.7	19.1	3	33.9	751	5

Corey Rozenboom

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Averages = **226.0** **19.9** **5** **33.3** **707**

LSD (0.10) = 8.2 0.7 6

LSD (0.25) = 4.3 0.3 3

C.V. = 3.4 Prev. years average yield, 196.7 bu/a, 18 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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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					

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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.