

2018 Corn Grain Top 30 Harvest Report

Iowa North Central [IANC] BRITT
Donald Kirsch, Hancock County, IA 50483



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

PREV. CROP/HERB: Corn, 2+ Yr / Balance Flexx, atrazine, Impact, atrazine
SOIL DESCRIPTION: Clarion loam, well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 6.9 pH, 3.9% OM, 19 CEC
PEST MANAGEMENT: Force 3G, Balance Flexx, atrazine
FERTILITY - Applied N: 52 Spring, 150 Sidedress
Applied N-P-K (units): 202-0-0
SEEDING - RATE - ROW: May 1 38,000 /A 30" spacing
HARVESTED - STAND: Sep 28 33,900 /A

Early-Season Test

101 - 106 Day CRM
B2018IANC01a

Top 30 of 60

For Gross Income (Sorted by Yield)

Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Kruger	K4R-9802	STX,B	102	244.1	18.0	4	33.9	771	1
Legend	LR9804GENSSRIB	STX,B	104	243.6	18.2	4	37.8	768	2
FS InVISION	FS 53ZX1 RIB	STX,B	103	238.0	17.8	4	30.9	754	3
Renk	RK604SSTX	STX	102	229.7	17.6	4	36.8	729	4
Kruger	K4R-9704	STX,B	104	229.7	18.0	4	33.9	726	5
Cornelius	C385DP	VT2P	103	228.3	17.4	20	33.9	726	6
Wyffels	W3488	STX	104	227.9	17.5	3	33.9	724	7
Pfister	63A3SSR	STX,B	103	225.8	18.2	4	31.9	712	8
Latham	LH5505VT2ProRIB	VT2P,B	105	225.1	19.7	4	29.9	700	12
NuTech/G2 Gen	5F-504	AM,B	104	224.4	18.5	4	35.8	706	10
NuTech/G2 Gen	5F-601	AM,AQ,B	101	222.8	17.5	7	37.8	707	9
Renk	RK717SSTX	STX,B	105	220.5	17.7	4	29.9	699	13
Epley	E1312SS	STX	103	220.0	18.0	4	24.9	695	14
Pfister	64F1PE	PC,E	104	219.5	18.3	3	34.8	692	15
FS InVISION	FS 51QX1 RIB	STX,B	101	216.8	17.6	7	36.8	688	16
Golden Harvest	G05K08-3010A	3010,A	105	215.8	17.9	4	34.8	683	18
Hefty	H5522VT2P	VT2P	105	215.6	17.5	3	36.8	685	17
Viking	42-05	None	105	215.6	18.2	4	35.8	680	19
Renk	RK642SSTX	STX,B	103	214.2	18.8	4	32.9	672	20
Wyffels	W3078RIB	STX,B	106	211.1	18.0	15	33.9	667	21
NuTech/G2 Gen	5F-503	AM,B	103	210.9	18.6	7	36.8	663	22
NuTech/G2 Gen	E5FN-A604	OI	104	210.3	18.9	4	39.8	659	24
LG Seeds	LG5525VT2RIB	VT2P,B	105	208.9	20.2	4	33.9	646	28
Latham	LH5487VT2Pro	VT2P	104	208.1	17.6	4	32.9	660	23
Viking	55-02	None	102	206.9	19.1	20	34.8	647	27
Titan Pro	EXP 84-01 SS	STX,B	101	206.1	18.5	4	34.8	648	26
Pioneer	P0306AM GC	AM,AQ,B	103	206.0	18.0	4	31.9	651	25
Titan Pro	TP 40-03	None	103	203.0	17.7	33	36.8	643	29
Champion	53A19SSRIB	STX	103	201.3	17.7	3	31.9	638	30
Kruger	K0109SS	STX,B	101	201.3	18.4	4	35.8	634	31
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	222.6	18.4	4	36.8	701	11

Corey Rozenboom

Corey Rozenboom

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

Averages = 202.3 18.5 8 33.9 637

LSD (0.10) = 16.4 1.2 9

LSD (0.25) = 8.6 0.6 5

C.V. = 7.7 Prev. years average yield, 228.7 bu/a, 4 yrs

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

Test Comments: Wet and cooler than normal weather after planting challenged plant establishment. Overall, stands were just below 90% of seeded rate. Despite being well drained, plant health was challenged by rain; 7.2" in May, 10.4" in June, 2.6" in July, 5.5" in Aug, and 9.5" in Sept. Nearly 16" above the 30-yr average. Stalk quality varied noticeably among hybrids. Northern corn leaf blight was also observed.

† 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: 10/01/2018 Revised:

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 PEST MANAGEMENT: Force 3G, Balance Flexx, atrazine
 FERTILITY - Applied N: 52 Spring, 150 Sidedress
 Applied N-P-K (units): 202-0-0
 SEEDED - RATE - ROW: May 1 38,000 /A 30" spacing
 HARVESTED - STAND: Sep 28 33,700 /A

Full-Season Test
107 - 110 Day CRM
 B2018IANC01b

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
FirstSeed	FS 65211 RB	STX B	110	206.4	22.3	4	35.2	726	2
Eley	E17255	STX	107	206.2	17.5	4	35.2	727	1
Legend	L2881	STX	108	204.1	19.6	4	35.2	703	3
Cornhusk	CR320P	V20P	110	201.1	18.9	4	35.8	697	4
HyFlex	HY626	V20P	108	219.4	21.4	6	37.2	683	6
Champion	CR184A120RB	STX B	109	218.7	19.1	4	34.5	679	8
HyFlex	HY628	STX	110	217.5	19.1	4	35.8	671	10
NextGen2 Gen	NG2 888	CR	108	217.1	19.5	4	35.9	665	9
HyFlex	HY600RB	V20PB	110	216.1	20.6	4	35.9	672	13
Cornhusk	CR795	STX	107	216.0	19.1	4	37.8	676	16
True Pro	TP 40-25	None	107	215.5	19.1	4	37.2	664	18
LS Seeds	LS68CTV20RB	V20P	108	214.9	19.1	4	35.8	681	7
Miller Hybrids	MH 15 3055	STX	110	213.3	17.3	4	35.5	664	20
Wing	W6-25	STX	108	213.1	19.8	4	35.5	671	16
Kroger	K28755	STX	109	212.7	19.1	4	34.5	674	12
Latham	L2811V20PB	V20P	107	212.2	19.6	4	37.2	672	14
Legend	L2881A200RB	STX B	107	212.8	18.1	4	31.2	678	5
HyFlex	HY610RB	V20P	110	212.8	19.3	4	35.5	668	18
Kroger	K1881	V20P	110	212.3	22.2	4	35.5	652	24
Legend	L2881	STX	108	211.7	17.5	4	37.2	675	11
Champion	CR184V120RB	STX B	108	210.6	22.0	4	35.8	648	25
FirstSeed	FS 67211 RB	STX B	107	210.1	17.4	4	35.5	670	17
NextGen2 Gen	NG2 888	CR	108	209.7	21.7	4	35.8	646	26
Cornhusk	CR720P	V20P	108	208.8	17.8	6	34.5	681	22
Latham	LH5720V20P	V20P	107	207.7	17.9	4	34.5	680	23
Latham	LH5700RB	STX B	108	206.7	23.5	4	33.9	628	30
Golden Harvest	GHF24 325A-62R	325A-B	109	204.5	20.7	4	34.5	642	27
Rock	R2790071	STX	108	203.3	19.7	4	27.9	637	28
Champion	CR184V20PB	V20P	107	198.5	17.5	10	34.5	633	29
Golden Harvest	GHF24 325A-62R	325A-B	108	199.4	19.9	8	29.5	620	31
Averages				196.7	20.6	6	33.7	612	
LSD (0.10)				26.0	1.3	8			
LSD (0.25)				13.6	0.7	4			
C.V.				12.5					
									Prev. years average yield, 228.7 bu/a, 4 yrs

DATA REJECTED

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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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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.