

2018 Corn Grain Top 30 Harvest Report

Iowa Northwest [IANW] LU VERNE
Bob Plathe, Kossuth County, IA 50560



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

PREV. CROP/HERB: Corn / TripleFlex, atrazine, Impact
SOIL DESCRIPTION: Kossuth silty clay loam, well drained, non-irrigated
SOIL CONDITION: Conventional w/ fall till, very high P, medium K, 5.8 pH, 4.9% OM, 27.7 CEC
PEST MANAGEMENT: Force 3G, Corvus, atrazine
FERTILITY - Applied N: 60 Spring, 120 Sidedress
Applied N-P-K (units): 180-0-0
SEDED - RATE - ROW: May 18 35,700 /A 30" spacing
HARVESTED - STAND: Oct 4 33,800 /A

Early-Season Test

101 - 106 Day CRM
B2018IANW06a

Top 30 of 78

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
LG Seeds	LG53C50STX	STX	103	165.0	20.7	2	35.8	508	1
Hoegemeyer/HPT	7088AM	AM,AQ,B	100	156.6	21.6	2	32.5	478	2
Golden Harvest	G05K08-3010A	3010,A	105	154.4	21.1	2	33.9	474	3
Hoegemeyer/HPT	7480AM	AM,B	104	154.4	22.8	2	34.5	466	4
Pioneer	P0157AMX GC	AMX,AQ,B	101	146.2	20.0	2	33.9	453	5
Wyffels	W3078RIB	STX,B	106	146.0	22.6	2	33.2	441	7
Viking	51-04	None	104	144.6	22.8	7	33.9	436	9
Cornelius	C478DP	VT2P	106	144.2	21.7	2	33.9	440	8
Renk	RK604SSTX	STX	102	142.9	19.9	2	35.2	443	6
Latham	LH5505VT2ProRIB	VT2P,B	105	141.2	22.3	2	33.2	428	12
Pfister	65G1SE	STX,E	105	140.2	23.9	2	33.9	418	18
Miller Hybrids	M06-39	None	106	140.0	20.0	2	33.9	434	10
Kruger	K4R-9603	STX,B	103	139.9	21.7	2	33.9	427	13
Dekalb	DKC55-84RIB GC	STX,B	105	139.8	22.0	2	32.5	425	14
NK Brand	NK0602-3010	3010	106	138.2	22.9	5	34.5	416	20
Pfister	64F1PE	PC,E	104	137.8	23.3	2	34.5	414	22
Golden Harvest	G03C84-3120-EZR	3120,B	103	137.7	21.2	2	34.5	422	16
FS InVISION	FS 55TX1 RIB	STX,B	105	137.0	23.2	2	35.2	412	25
Cornelius	C461SS	STX	106	136.5	21.1	2	35.2	419	17
Channel	202-81STXRIB	STX,B	102	136.4	22.5	2	33.9	413	24
Champion	CSX54A17VT2ProRIB	VT2P,B	104	136.2	19.6	2	31.9	424	15
Kruger	K4R-9704	STX,B	104	135.5	21.5	2	33.9	414	23
Dekalb	DKC54-38RIB GC	STX,B	104	135.2	21.9	2	32.5	411	26
Renk	RK737SSTX	STX	106	134.3	22.4	2	34.5	407	27
Titan Pro	TP 70-06	None	106	133.9	19.5	2	33.9	417	19
Champion	56A18VT2ProRIB	VT2P,B	106	133.6	19.5	2	34.5	416	21
FS InVISION	FS 51QX1 RIB	STX,B	101	133.3	22.3	2	33.9	404	30
Pioneer	P0339AMXT GC	AMXT,AQ,B	103	132.4	21.2	2	33.9	406	28
Viking	42-05	None	105	132.1	21.2	3	34.5	405	29
Renk	RK717SSTX	STX,B	105	131.7	21.0	2	32.5	404	31
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	142.7	22.5	2	33.9	432	11

Corey Rozenboom

Corey Rozenboom

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

Averages = **125.2** **22.0** **3** **33.8** **381**

LSD (0.10) = 11.0 0.9 ns

LSD (0.25) = 5.8 0.5 2

C.V. = 8.4 Prev. years average yield, 200.7 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: *This first time corn-on-corn saw its share of challenges that suppressed ear development and vegetative growth, and reduced yields. Issues included delayed planting, 5" rain the 3rd week of June, very dry July to mid-Aug, 14" rain late Aug to harvest. Ears were short, pop can shaped, filled to the tips with shallow kernels. Plants appeared healthy. Site rainfall was 10.5" above the 30-yr average.*

† 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: Force 3G, Corvus, atrazine
 FERTILITY - Applied N: 60 Spring, 120 Sidedress
 Applied N-P-K (units): 180-0-0
 SEEDING - RATE - ROW: May 18 35,700 /A 30" spacing
 HARVESTED - STAND: Oct 4 34,100 /A

Full-Season Test
107 - 110 Day CRM
 B2018IANW06b

Top 30 of 66

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-9608	STX,B	108	171.0	24.3	2	33.9	516	1
Hefty	H6024SS	STX,B	110	167.3	24.0	2	35.2	506	2
Channel	207-27 STXRIB	STX,B	107	165.8	23.4	2	33.9	504	3
Channel	210-79DGV2PRIB	VT2P,DG,B	110	163.1	24.2	2	34.5	493	4
Wyffels	W6408	STX	110	160.2	25.3	3	33.9	479	5
Pfister	69E2SSR	STX,B	109	159.3	25.1	2	33.2	478	6
Kruger	K1005DP	VT2P,B	110	156.6	25.0	2	33.9	470	8
Pioneer	P0919AM GC	AM,B	109	156.5	24.1	3	34.5	473	7
LG Seeds	LG5548STXRIB	STX,B	109	155.6	25.0	2	34.5	467	9
Latham	LH5819SSRIB	STX,B	108	152.4	25.8	2	33.9	454	11
NK Brand	NK0886-3010	3010	108	151.4	23.4	3	33.2	460	10
Hefty	H6004SSRIB	STX,B	110	150.4	25.2	3	33.9	450	14
Channel	210-26STXRIB	STX,B	110	149.5	24.1	2	33.2	452	12
Renk	RK779SSTX	STX	108	149.1	24.0	2	33.9	451	13
Cornelius	C564SS	STX	108	148.8	25.6	2	33.9	444	17
Cornelius	C633DP	VT2P	110	146.3	23.4	3	34.5	445	16
Dekalb	DKC57-97RIB GC	STX,B	107	145.8	22.6	2	33.9	446	15
FS InVISION	FS 60LX1 RIB	STX,B	110	144.8	24.9	3	33.2	435	20
Hoegemeyer/HPT	7825SXRA	STX,B	108	144.6	24.3	2	34.5	436	19
Pfister	2545RASS	STX,B	107	142.8	24.1	2	33.2	432	21
Champion	58A18VT2ProRIB	VT2P,B	108	142.7	23.8	3	33.9	432	22
FS InVISION	FS 60UX1 RIB	STX,B	110	141.3	25.7	2	34.5	421	29
Pfister	70A1SSR	STX,B	110	141.1	25.0	2	34.5	423	27
Renk	RK815SSTX	STX,B	110	140.8	25.1	2	33.9	422	28
Four Star	6D47RIB	VT2P,B	107	140.5	23.3	2	33.9	427	25
Golden Harvest	G08M20-3010	3010	108	140.4	23.3	2	34.5	427	26
Kruger	K0807SS	STX,B	108	140.0	22.3	2	33.9	429	24
Titan Pro	82-09 2P	VT2P,B	109	139.4	25.7	2	31.2	416	31
Viking	13-07	None	107	138.9	21.1	7	35.8	430	23
Wyffels	W6896RIB	VT2P,B	110	138.6	24.1	2	35.2	419	30
Pioneer	P0589AMXT CK	AMXT,AQ,B	105	145.2	22.9	2	34.5	443	18

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Averages = **135.5** **24.1** **3** **34.1** **410**

LSD (0.10) = 11.4 1.0 ns

LSD (0.25) = 6.0 0.5 ns

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2018 Corn Grain - Iowa Northwest [IANW]



Early-Season Test Products (78 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	52A18VT2ProRIB	VT2P,B	AC,P2	102	Legend	LR9902VT2PRIB	VT2P,B	CM,C2,Vi	102
Champion	53A19SSRIB	STX	AC,P5V	103	Legend	X0295	STX,B	CM,C2,Vi	102
Champion	56A18VT2ProRIB	VT2P,B	AC,P2	106	LG Seeds	LG53C50STX	STX	AC,P5V	103
Champion	CSX54A17VT2ProRIB	VT2P,B	AC,P2	104	LG Seeds	LG5505STXRIB	STX,B	AC,P5V	101
Channel	202-81STXRIB	STX,B	AC,P5V	102	LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105
Channel	204-74VT2PRIB	VT2P,B	AC,P2	104	Miller Hybrids	M03-33	None	AVC,C5	103
Channel	205-63VT2PRIB	VT2P,B	AC,P2	105	Miller Hybrids	M06-39	None	CM,C2	106
Channel	206-11VT2PRIB	VT2P,B	AC,P2	106	NK Brand	NK0440-3010	3010	AVC,C2,Vi	104
Cornelius	C385DP	VT2P	CM,C2	103	NK Brand	NK0602-3010	3010	AVC,C2,Vi	106
Cornelius	C461SS	STX	AC,P5V	106	Pfister	63A3SSR	STX,B	CM,C5,Vi,In	103
Cornelius	C478DP	VT2P	AC,P5V	106	Pfister	64F1PE	PC,E	CM,C5,Vi,In	104
Dairyland	DS-7106PE	PC,E	CM,C5,Vi,In	106	Pfister	65G1SE	STX,E	CM,C5,Vi,In	105
Dairyland	DS-7603PE	PC,E	CM,C5,Vi,In	103	Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106
Dairyland	DS-9804RA	STX,B	CM,C5,Vi,In	103	Pioneer	P0157AMX GC	AMX,AQ,B	MQ,C2,R	101
Dekalb	DKC51-38RIB GC	STX,B	AC,P5V	101	Pioneer	P0306AM GC	AM,AQ,B	MQ,C5,R,Lu	103
Dekalb	DKC54-38RIB GC	STX,B	AC,P5V	104	Pioneer	P0339AMXT GC	AMXT,AQ,B	MQ,C2,R,Lu	103
Dekalb	DKC55-84RIB GC	STX,B	AC,P5V	105	Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105
Epley	E1312SS	STX	AC,P5V	103	Renk	RK604SSSTX	STX	AC,P5V	102
Federal	5570VT2PRIB	VT2P,B	AC,P2	105	Renk	RK642SSSTX	STX,B	AC,P5V	103
Four Star	EX8505	VT2P	AC,P5V	106	Renk	RK717SSSTX	STX,B	AC,P5V	105
FS InVISION	FS 51QX1 RIB	STX,B	AC,P5V	101	Renk	RK737SSSTX	STX	AC,P5V	106
FS InVISION	FS 52RL0 EZR	3120,B	CM,C2,Vi	102	Titan Pro	82-04 2P	VT2P,B	AC,P2	104
FS InVISION	FS 53ZX1 RIB	STX,B	AC,P5V	103	Titan Pro	EXP 84-01 SS	STX,B	AC,P5V	101
FS InVISION	FS 55TX1 RIB	STX,B	AC,P5V	105	Titan Pro	TP 40-03	None	CM,C2,Vi	103
Golden Harvest	G03C84-3120-EZR	3120,B	AVC,C2,Vi	103	Titan Pro	TP 70-06	None	CM,C2,Vi	106
Golden Harvest	G05K08-3010A	3010,A	AVC,C2,Vi	105	Viking	42-05	None	CM,C2	105
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106	Viking	51-04	None	CM,C2	104
Hefty	H5212VT2PRIB	VT2P,B	HC	102	Viking	55-02	None	AC,P5V	102
Hefty	H5302VT2PRIB	VT2P,B	HC	103	Viking	63-05	None	CM,C2	104
Hefty	H5522VT2P	VT2P	HC	105	Wyffels	W3078RIB	STX,B	AC,P5V	106
Hefty	H5624SS	STX	HC	106	Wyffels	W3488	STX	AC,P5V	104
Hoegemeyer/HPT 7088AM		AM,AQ,B	MQ,P5V,R	100	Wyffels	W4196RIB	VT2P,B	AC,P5V	105
Hoegemeyer/HPT 7224AM		AM,B	CM,C2,R,Lu	102	Wyffels	W4796RIB	VT2P,B	AC,P5V	106
Hoegemeyer/HPT 7434AM		AM,B	MQ,P1V,R	104					
Hoegemeyer/HPT 7480AM		AM,B	MQ,P5V,R	104					
Kruger	K0109SS	STX,B	AC,P5V	101					
Kruger	K4R-9603	STX,B	AC,P5V	103					
Kruger	K4R-9704	STX,B	AC,P5V	104					
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	LR9701GENSSRIB	STX,B	CM,C2,Vi	101					
Legend	LR9806GENSSRIB	STX,B	CM,C2,Vi	106					

2018 Corn Grain - Iowa Northwest [IANW]



Full-Season Test Products (66 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Champion	57A19VT2ProRIB	VT2P	AC,P2	107	NK Brand	NK0886-3010	3010	AVC,C5,Vi	108
Champion	58A18VT2ProRIB	VT2P,B	AC,P2	108	NK Brand	NK0968-3110	3110	AVC,C5,Vi	109
Champion	60A18VT2ProRIB	VT2P,B	AC,P2	110	NuTech/G2 Gen	5FB-9909	AM,B	CM,C2,R,Lu	109
Champion	CSX59A16SSRIB	STX,B	AC,P5V	109	Pfister	2545RASS	STX,B	CM,C5,Vi,In	107
Channel	207-27 STXRIB	STX,B	AC,P5V	107	Pfister	68A1PE	PC,E	CM,C5,Vi,In	108
Channel	209-15VT2PRIB	VT2P,B	AC,P2	109	Pfister	69E2SSR	STX,B	CM,C5,Vi,In	109
Channel	210-26STXRIB	STX,B	AC,P5V	110	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Channel	210-79DGVGT2PRIB	VT2P,DG,B	AC,P2	110	Pioneer	P0589AMXT CK	AMXT,AQ,B	MQ,C2,R	105
Cornelius	C564SS	STX	AC,P5V	108	Pioneer	P0919AM GC	AM,B	MQ,C2,R,Lu	109
Cornelius	C573DP	VT2P	CM,C2	108	Pioneer	P1197AM GC	AM,B	MQ,C2,R,Lu	111
Cornelius	C633DP	VT2P	CM,C2	110	Renk	RK763VT2P	VT2P,B	AC,P2	108
Dairyland	DS-7909PE	PC,E	CM,C5,Vi,In	109	Renk	RK779SSSTX	STX	AC,P5V	108
Dekalb	DKC57-97RIB GC	STX,B	AC,P5V	107	Renk	RK815SSSTX	STX,B	AC,P2	110
Epley	E1712SS	STX	AC,P5V	107	Titan Pro	82-09 2P	VT2P,B	AC,P2	109
Four Star	6D41RIB	VT2P,B	AC,P2	107	Titan Pro	TP 40-09	None	CM,C2,Vi	109
Four Star	6D47RIB	VT2P,B	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					
Hoegemeyer/HPT 7825SXRA		STX,B	CM,C5,Vi,In	108					
Hoegemeyer/HPT 7886AM		AM,B	MQ,P1V,R	108					
Hoegemeyer/HPT 7900AM		AM,B	MQ,P5V,R	109					
Hoegemeyer/HPT 7946AM		AM,B	MQ,P5V,R	109					
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					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	109					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
Miller Hybrids	M06-27	None	AVC,C2	106					
Miller Hybrids	M09-01	None	AC,P5V	109					
Miller Hybrids	M66-23	None	CM,C2	110					

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.