

# 2018 Corn Grain Top 30 Harvest Report

Iowa West Central [ IAWC ] SLATER  
Jason Krause, Story County, IA 50244



Test by: F.I.R.S.T. CCB, Inc., Elizabeth, IL

PREV. CROP/HERB: Soybean / Treflan, Flexstar GT, Roundup PowerMax  
SOIL DESCRIPTION: Clarion loam, well drained, non-irrigated  
SOIL CONDITION: Minimum w/o fall till, medium P, medium K, 4.9 pH, 2.1% OM, 16.2 CEC  
PEST MANAGEMENT: Harness, Roundup PowerMax, Force  
FERTILITY - Applied N: 160 Fall  
Applied N-P-K (units): 160-0-0  
SEEDING - RATE - ROW: May 18 33,600 /A 30" spacing  
HARVESTED - STAND: Nov 12 34,400 /A

**Early-Season Test**  
**105 - 110 Day CRM**  
B2018IAWC24a

**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	K1005DP	VT2P,B	110	<b>228.0</b>	16.1	1	34.4	726	1
LG Seeds	LG5525VT2RIB	VT2P,B	105	<b>227.0</b>	16.2	1	35.3	722	3
Miller Hybrids	RX08-97VT2P	VT2P	108	<b>226.9</b>	16.0	1	34.4	723	2
FS InVISION	FS 60LX1 RIB	STX,B	110	<b>222.5</b>	16.2	2	34.8	708	4
Channel	209-15VT2PRIB	VT2P,B	109	<b>222.5</b>	16.3	1	34.4	707	5
Augusta	A4858GT3010	3010	108	<b>217.6</b>	16.3	1	34.4	691	7
LG Seeds	LG58C77VT2PRO	VT2P	108	<b>217.6</b>	16.4	1	33.4	691	8
Wyffels	W5516RIB	VT2P,B	108	<b>217.3</b>	16.2	2	34.8	691	9
Golden Harvest	G06Q68-3220-EZR	3220,B	106	<b>216.7</b>	16.2	1	33.4	689	10
Golden Harvest	G08M20-3010	3010	108	216.1	16.3	2	34.4	687	11
Dyna-Gro	D49VC70	VT2P	109	215.2	16.3	2	33.4	684	12
Wyffels	W6956	VT2P	111	214.6	16.5	1	34.4	681	13
NuTech/G2 Gen	5FB-1010	AM,B	110	214.6	16.9	1	34.4	679	15
Dyna-Gro	D47SS29RIB	STX,B	106	214.2	16.3	1	34.8	681	14
Kruger	K4R-9706	STX,B	106	213.5	16.1	1	34.8	679	16
Wyffels	W6408	STX	110	213.0	16.6	1	34.8	675	18
Champion	57A19VT2ProRIB	VT2P	107	211.9	15.5	1	34.8	678	17
Champion	60A18VT2ProRIB	VT2P,B	110	211.5	16.2	2	34.4	673	19
Pfister	66Y3PE	PC,E	106	210.8	16.3	3	34.8	670	20
Latham	LH5635VT2ProRIB	VT2P,B	106	209.9	16.3	2	34.4	667	21
Epley	E1712SS	STX	107	209.8	16.3	1	33.9	667	22
FS InVISION	FS 57ZX1 RIB	STX,B	107	209.5	16.2	1	33.9	666	23
Kruger	K4R-9608	STX,B	108	209.2	16.2	1	34.4	665	24
Hoegemeyer/HPT	7825SXRA	STX,B	108	208.9	16.1	1	33.9	665	25
Champion	58A18VT2ProRIB	VT2P,B	108	208.8	16.3	1	35.3	663	26
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	206.0	16.1	4	34.4	656	27
Latham	LH5819SSRIB	STX,B	108	205.8	16.1	1	34.4	655	28
NuTech/G2 Gen	5FB-9909	AM,B	109	205.3	15.8	2	33.4	655	29
Four Star	6D41RIB	VT2P,B	107	204.0	15.9	1	34.4	650	30
Latham	LH5965VT2ProRIB	VT2P,B	109	201.7	16.1	5	33.4	642	31
Pioneer	P1197AMXT CK	AMXT,B	111	<b>222.1</b>	16.2	1	35.3	706	6

Averages = **203.1** **16.2** **2** **34.4** **646**

LSD (0.10) = 13.4 0.4 2

LSD (0.25) = 9.4 0.3 1

C.V. = 4.9 Prev. years average yield, 197.7 bu/a, 12 yrs

Randy Meinsma

randym@firstseedtests.com, (815) 238-8007

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.21; non-GMO = \$3.21

**Test Comments:** *Early season rainfall kept soils wet and delayed planting. Persistent summer rainfall kept soils saturated which stunted plant growth and ear development in the full-season test causing highly variable yields (data rejected). The early-season test, on slightly higher ground, avoided this. Jason, our host, indicated that ear tip die-back was the worst he'd ever seen and yields were below expectations.*

† 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: 11/14/2018 Revised:

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SOIL CONDITION: Minimum w/o fall till, medium P, medium K, 4.9 pH, 2.1% OM, 16.2 CEC  
PEST MANAGEMENT: Harness, Roundup PowerMax, Force  
FERTILITY - Applied N: 160 Fall  
Applied N-P-K (units): 160-0-0  
SEEDED - RATE - ROW: May 18 33,600 /A 30" spacing  
HARVESTED - STAND: Nov 12 34,300 /A

**Full-Season Test**  
**111 - 115 Day CRM**  
B2018IAWC24b

**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
Heritage	538PHEA	PCB	113	166.2	16.8	1	34.4	430	1
Golden Harvest	013741-3010	3010	113	166.6	16.1	1	33.4	391	2
Phase	2074PCB	PCB	113	166.3	17.4	1	34.4	387	3
Phase	1402PC	PC2	114	176.5	16.4	1	34.8	381	4
HyFlex	W714000	VTOPB	112	177.2	17.1	2	33.9	358	5
True Pro	TP 71-12020P	VTOPDGB	112	176.6	17.1	1	34.4	357	6
Miller Hybrids	80 12 7000	87X	113	174.4	17.1	1	33.4	348	7
NuTech	994-8012	3000T	112	171.8	17.3	1	34.4	342	8
Channel	216-707000	87X-B	116	171.2	17.5	1	33.9	339	9
FS w/IBCN	FS 4221-1-00	87X-B	116	170.9	17.1	1	34.8	337	11
Latham	LH4224-120020	3201B	112	170.5	17.1	1	33.9	336	10
Miller Hybrids	80 14 1000	87X	114	169.1	17.1	1	33.9	336	12
Latham	EX4201V2Ph	VTOP	113	167.4	17.4	1	33.4	333	13
FS w/IBCN	FS 4271-100-00	VTOPDGB	112	167.1	16.8	1	34.4	333	14
LG Seeds	LG420207X		111	167.0	17.3	1	34.4	328	15
HyFlex	W714000	VTOP	112	166.9	16.8	1	33.9	328	16
Legend	LH4202070000	71-B	116	166.5	17.5	1	33.9	324	17
HyFlex	W714000	VTOP	112	166.3	17.3	1	33.9	321	18
Channel	216-4000	87X-B	113	164.2	17.6	1	34.4	316	19
Golden Harvest	015-12000	3000	116	163.8	17.5	2	33.9	316	20
MR Brand	MR 1311-10-020		114	162.6	17.6	2	34.4	311	21
Phase	704000	71-B	112	161.8	16.9	2	33.9	309	22
NuTech/20 Gen	976-2211	31	113	160.1	17.9	1	34.4	306	23
Channel	214-4000	VTOPDGB	114	159.6	17.4	1	34.4	302	24
Miller Hybrids	874-2000	3000T	114	159.2	16.6	1	34.4	297	26
Champion	CE42441-100-0000	VTOPDGB	114	158.8	17.2	2	34.4	301	25
LG Seeds	LG420071-00	87X-B	111	157.9	16.9	1	33.4	297	27
Latham	LH4201V2Ph	VTOP	112	157.8	16.9	1	34.4	297	28
Four Star	404000	VTOPB	112	156.2	16.9	1	34.4	294	29
Champion	CE4201V2Ph-00	VTOP	111	155.3	17.1	1	34.4	290	30
Pioneer	P1197AMXT CK	AMXT,B	111	108.7	16.7	1	33.9	344	60

DATA REJECTED

Averages =	<b>153.6</b>	<b>17.4</b>	<b>1</b>	<b>34.3</b>	<b>484</b>
LSD (0.10) =	43.2	0.8	1		
LSD (0.25) =	30.1	0.6	1		
C.V. =	20.8	Prev. years average yield, 197.7 bu/a, 12 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.21; non-GMO = \$3.21

**Test Comments:** Early season rainfall kept soils wet and delayed planting. Persistent summer rainfall kept soils saturated which stunted plant growth and ear development in the full-season test causing highly variable yields (data rejected). The early-season test, on slightly higher ground, avoided this. Jason, our host, indicated that ear tip die-back was the worst he'd ever seen and yields were below expectations.

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2018 Corn Grain - Iowa West Central [ IAWC ]



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

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A4658GT3220	3220	CM,C2	108	NuTech/G2 Gen	5FB-9909	AM,B	CM,C2,R,Lu	109
Augusta	A4858GT3010	3010	CM,C2	108	NuTech/G2 Gen	5FN-8808	OI	MQ,P1V,R	108
Champion	56A18VT2ProRIB	VT2P,B	AC,P2	106	Pfister	66Y3PE	PC,E	CM,C5,Vi,In	106
Champion	57A19VT2ProRIB	VT2P	AC,P2	107	Pfister	68A1PE	PC,E	CM,C5,Vi,In	108
Champion	58A18VT2ProRIB	VT2P,B	AC,P2	108	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
Champion	60A18VT2ProRIB	VT2P,B	AC,P2	110	Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111
Channel	206-11STXRIB	STX,B	AC,P5V	106	Renk	RK763VT2P	VT2P,B	AC,P2	108
Channel	208-23VT2PRIB	VT2P,B	AC,P2	108	Renk	RK779SSTX	STX	AC,P5V	108
Channel	209-15VT2PRIB	VT2P,B	AC,P2	109	Renk	RK815SSTX	STX,B	AC,P2	110
Channel	210-79STXRIB	STX,B	AC,P5V	110	Titan Pro	82-09 2P	VT2P,B	AC,P2	109
Dyna-Gro	D47SS29RIB	STX,B	AC,P5V	106	Titan Pro	TP 77-06 SS	STX,B	AC,P5V	106
Dyna-Gro	D49VC70	VT2P	AC,P5V	109	Wyffels	W5516RIB	VT2P,B	AC,P5V	108
Epley	E1712SS	STX	AC,P5V	107	Wyffels	W6408	STX	AC,P5V	110
Four Star	6D41RIB	VT2P,B	AC,P2	107	Wyffels	W6896RIB	VT2P,B	AC,P2	110
Four Star	6D47RIB	VT2P,B	AC,P5V	107	Wyffels	W6956	VT2P	AC,P5V	111
Four Star	6D55RIB	VT2P,B	AC,P2	110					
FS InVISION	FS 57ZX1 RIB	STX,B	AC,P5V	107					
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109					
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110					
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110					
Golden Harvest	G06Q68-3220-EZR	3220,B	AVC,C2,Vi	106					
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108					
Golden Harvest	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
Hoegemeyer/HPT	7825SXRA	STX,B	CM,C5,Vi,In	108					
Kruger	K0807SS	STX,B	AC,P5V	108					
Kruger	K1005DP	VT2P,B	AC,P2	110					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Kruger	K4R-9706	STX,B	AC,P5V	106					
Latham	LH5635VT2ProRIB	VT2P,B	AC,P2	106					
Latham	LH5725VT2Pro	VT2P	AC,P5V	107					
Latham	LH5819SSRIB	STX,B	AC,P5V	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
Legend	LR9509GENSSRIB	STX,B	CM,C2,Vi	109					
Legend	LR9608GENSSRIB	STX,B	CM,C2,Vi	108					
Legend	LR9907GENSSRIB	STX,B	CM,C2,Vi	107					
Legend	LR9910GENSSRIB	STX,B	CM,C2,Vi	110					
LG Seeds	LG5525VT2RIB	VT2P,B	AC,P5V	105					
LG Seeds	LG58C77VT2PRO	VT2P	AC,P5V	108					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
Miller Hybrids	M10-61BGV-EZ	3220,B	CM,C2	110					
Miller Hybrids	RX08-97VT2P	VT2P	CM,C2	108					
Miller Hybrids	RX10-36SS	STX	AC,P5V	110					
NuTech/G2 Gen	5F-308	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5FB-1010	AM,B	MQ,P5V,R	110					

2018 Corn Grain - Iowa West Central [ IAWC ]



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

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A4465GT3111	3111	AVC,C5	114	NuTech/G2 Gen	5LB-7215	AMXT,B	CM,C2,R,Lu	115
Champion	61A19VT2ProRIB	VT2P	AC,P2	111	Pfister	2874PCR	PC,B	CM,C5,Vi,In	113
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	AC,P2	114	Pfister	72C6SSR	STX,B	CM,C5,Vi,In	112
Champion	CSX65A17VT2ProRIB	VT2P,B	AC,P2	115	Pfister	74D2PE	PC,E	CM,C5,Vi,In	114
Channel	213-19STXRIB	STX,B	AC,P5V	113	Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111
Channel	214-45DGV2PRIB	VT2P,DG,B	AC,P2	114	Renk	RK842SSSTX	STX	AC,P5V	112
Channel	215-75STXRIB	STX,B	AC,P5V	115	Renk	RK859DGV2P	VT2P,DG,B	AC,P2	112
Channel	216-36DGV2P	VT2P,DG,B	AC,P2	116	Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111
Dyna-Gro	D52SS63	STX	AC,P5V	112	Renk	RK937SSSTX	STX	AC,P5V	113
Dyna-Gro	D55VC45	VT2P	AC,P5V	115	Titan Pro	82-14 2P	VT2P,B	AC,P2	114
Four Star	6D63RIB	VT2P,B	AC,P2	112	Titan Pro	TP 71-12 DG2P	VT2P,DG,B	AC,P2	112
Four Star	6D75RIB	VT2P,B	AC,P2	114	Wyffels	W7456RIB	VT2P,B	AC,P5V	112
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	AC,P2	112	Wyffels	W7576RIB	VT2P,B	AC,P5V	112
FS InVISION	FS 62ZX1 RIB	STX,B	AC,P5V	112	Wyffels	W7696RIB	VT2P,B	AC,P5V	113
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113	Wyffels	W7976RIB	VT2P,B	AC,P5V	113
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
Golden Harvest	G11A33-3111	3111	AVC,C5,Vi	111					
Golden Harvest	G13T41-3010	3010	AVC,C5,Vi	113					
Golden Harvest	G15L32-3000GT	3000GT	AVC,C5,Vi	115					
Hoegemeyer/HPT	8348PWRA	PC,B	CM,C5,Vi,In	113					
Kruger	K1204DP	VT2P,B	AC,P2	112					
Kruger	K1501SS	STX,B	AC,P5V	115					
Kruger	K4R-9111	STX,B	AC,P5V	111					
Kruger	K4R-9814	STX,B	AC,P5V	114					
Latham	EX6355VT2Pro	VT2P	AC,P5V	113					
Latham	LH6224-3220EZR	3220,B	AC,P2	112					
Latham	LH6285VT2Pro	VT2P	AC,P5V	112					
Latham	LH6477VT2Pro	VT2P	AC,P5V	114					
Legend	LR9811VT2PRIB	VT2P,B	CM,C2,Vi	111					
Legend	LR9912GENSSRIB	STX,B	CM,C2,Vi	112					
LG Seeds	LG5606STXRIB	STX,B	AC,P5V	111					
LG Seeds	LG5643STXRIB	STX,B	AC,P5V	114					
LG Seeds	LG5650STXRIB	STX,B	AC,P5V	115					
LG Seeds	LG62C02STX	STX	AC,P5V	112					
Miller Hybrids	M14-28BRG	3000GT	CM,C2	114					
Miller Hybrids	RX12-70SS	STX	AC,P2	113					
Miller Hybrids	RX14-14SS	STX	AC,P2	114					
NK Brand	NK1191-3111	3111	AVC,C5,Vi	111					
NK Brand	NK1284-3220-EZR	3220,B	AVC,C5,Vi	112					
NK Brand	NK1354-3110	3110	AVC,C5,Vi	113					
NK Brand	NK1433-3120-EZR	3120,B	AVC,C5,Vi	114					
NuTech	5NN-8812	3000GT	CM,C2,R,Lu,I	112					
NuTech/G2 Gen	5F-713	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	5FB-6313	AM,B	CM,C2,R,Lu	113					
NuTech/G2 Gen	5FN-2213	OI	MQ,P5V,R	113					

## 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.