

## 2018 Corn Grain Top 30 Harvest Report

Iowa South [ IASO ] BLOOMFIELD  
David & Ray Boas, Davis County, IA 52537



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

PREV. CROP/HERB: Soybean / Roundup  
SOIL DESCRIPTION: Kennebec silt loam, well drained, non-irrigated  
SOIL CONDITION: Minimum w/o fall till, high P, medium K, 4.9 pH, 2.7% OM, 19.3 CEC  
PEST MANAGEMENT: SureStart, atrazine, Kenda, Headline Amp, Force  
FERTILITY - Applied N: 180 Spring  
Applied N-P-K (units): 180-0-0  
SEEDING - RATE - ROW: Apr 25 31,200 /A 30" spacing  
HARVESTED - STAND: Oct 4 31,500 /A

### Early-Season Test

**106 - 111 Day CRM**  
B2018IASO36a

### Top 30 of 45

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>217.0</b>	16.7	1	31.4	644	1
NuTech/G2 Gen	5FB-9909	AM,B	109	<b>215.2</b>	16.6	1	31.4	639	2
Wyffels	W6408	STX	110	<b>212.7</b>	17.2	1	32.4	629	3
Champion	61A19VT2ProRIB	VT2P	111	<b>210.9</b>	17.1	4	31.4	624	4
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	<b>209.6</b>	17.0	1	30.4	620	5
Augusta	A4658GT3220	3220	108	<b>205.0</b>	16.9	1	30.9	607	6
Latham	LH5965VT2ProRIB	VT2P,B	109	203.6	16.9	2	30.9	603	7
Kruger	K4R-9111	STX,B	111	201.4	17.4	1	31.9	594	8
Renk	RK877DGV2P	VT2P,DG,B	111	201.2	17.3	1	30.9	594	9
Kruger	K4R-9608	STX,B	108	200.3	17.1	1	31.9	592	11
Latham	LH5819SSRIB	STX,B	108	200.2	16.8	1	31.9	594	10
LG Seeds	LG5606STXRIB	STX,B	111	199.7	17.2	1	31.4	590	12
Channel	210-79STXRIB	STX,B	110	199.5	17.1	1	31.9	590	13
NuTech/G2 Gen	5FB-1010	AM,B	110	198.8	16.9	1	31.4	589	15
Kruger	K0807SS	STX,B	108	198.7	16.7	1	31.9	590	14
Pfister	69E2SSR	STX,B	109	198.2	17.2	1	31.9	586	16
FS InVISION	FS 60UX1 RIB	STX,B	110	197.7	16.9	1	32.4	586	17
FS InVISION	FS 59VL1 EZR	3220,B	109	197.2	16.8	1	31.4	585	18
Latham	LH6069SSRIB	STX,B	110	196.8	17.2	1	31.4	582	19
Wyffels	W6896RIB	VT2P,B	110	195.8	17.3	1	31.9	578	21
Federal	5885VT2PRIB	VT2P,B	108	194.9	16.4	1	30.9	580	20
NuTech/G2 Gen	5FN-8808	OI	108	194.7	16.8	1	30.4	577	22
LG Seeds	LG59C66VT2PRO	VT2P	109	190.3	16.7	1	30.9	565	24
Channel	208-23VT2PRIB	VT2P,B	108	189.4	17.0	1	31.9	561	25
Latham	LH6187VT2ProDGRIB	VT2P,DG,B	111	188.9	17.0	1	31.4	559	27
NuTech	5VN-4707	3111	107	188.8	16.6	1	30.9	561	26
NuTech/G2 Gen	5F-308	AM,B	108	188.7	17.2	1	31.9	558	29
Titan Pro	82-09 2P	VT2P,B	109	188.6	17.5	1	30.4	556	31
Renk	RK779SSTX	STX	108	188.4	17.1	1	30.9	557	30
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	187.8	16.4	1	30.9	559	28
Pioneer	P1197AMXT CK	AMXT,B	111	194.1	16.9	1	31.9	575	23

Averages = **192.6** **16.9** **1** **31.5** **571**

LSD (0.10) = 12.3 0.2 ns

LSD (0.25) = 6.4 0.1 ns

C.V. = 6.0

New test site, no yield history

Randy Meinsma

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

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.01; non-GMO = \$3.01

**Test Comments:** *This is our first year of testing in this drought prone area. Dave and Ray, our host growers, both predicted this summer would have a drought. Planting went very well and emergence was good. June, July and August were very dry. Plants stood well at harvest but weak stalks were seen. Seed set was very good, little tip dieback and good kernel depth. Dave and Ray were shocked by their good yields.*

† 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: 10/05/2018 Revised:

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SOIL CONDITION: Minimum w/o fall till, high P, medium K, 4.9 pH, 2.7% OM, 19.3 CEC  
PEST MANAGEMENT: SureStart, atrazine, Kenda, Headline Amp, Force  
FERTILITY - Applied N: 180 Spring  
Applied N-P-K (units): 180-0-0  
SEEDING - RATE - ROW: Apr 25 31,200 /A 30" spacing  
HARVESTED - STAND: Oct 4 31,600 /A

**Full-Season Test**  
**112 - 116 Day CRM**  
B2018IASO36b

## 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
Pfister	72C6SSR	STX,B	112	<b>228.1</b>	17.6	1	30.4	672	1
Wyffels	W8646RIB	VT2P,B	116	<b>225.6</b>	18.8	1	31.9	658	2
Kruger	K4R-9116	STX,B	116	<b>222.6</b>	19.3	1	31.9	646	5
Champion	62A18VT2ProRIB	VT2P,B	112	<b>221.3</b>	18.0	1	31.4	650	3
FS InVISION	FS 62ZX1 RIB	STX,B	112	<b>219.9</b>	17.5	1	31.9	648	4
NK Brand	NK1433-3120-EZR	3120,B	114	<b>219.8</b>	18.4	1	31.9	643	6
Dyna-Gro	D52VC63	VT2P	112	217.7	17.6	1	32.4	641	7
Kruger	K4R-9814	STX,B	114	216.4	17.7	1	30.9	637	8
Latham	EX6355VT2Pro	VT2P	113	216.2	18.5	1	32.4	632	10
Champion	CSX64A15DGVT2ProRIB	VT2P,DG,B	114	215.6	18.8	1	31.4	628	11
FS InVISION	FS 63ZX1 RIB	STX,B	113	215.4	17.7	1	30.9	634	9
LG Seeds	LG5650STXRIB	STX,B	115	215.0	18.5	1	31.4	628	12
Latham	LH6477VT2Pro	VT2P	114	214.9	19.0	1	30.9	625	13
Augusta	A4465GT3111	3111	114	212.9	18.5	1	31.4	622	15
Renk	RK965VT2P	VT2P,B	116	212.1	19.0	1	31.4	617	19
Channel	215-75STXRIB	STX,B	115	211.4	18.1	1	30.9	620	16
Renk	RK842SSTX	STX	112	211.2	17.5	1	32.4	623	14
Green Valley	GV8282VT2PRORIB	VT2P,B	112	211.0	18.2	1	31.4	618	18
NuTech/G2 Gen	5FB-4516	AM,B	116	210.7	18.5	1	31.9	616	20
Latham	LH6285VT2Pro	VT2P	112	210.4	17.5	1	31.4	620	17
Channel	216-36DGVT2P	VT2P,DG,B	116	208.6	17.7	1	32.4	614	21
Kruger	K1501SS	STX,B	115	208.3	18.2	1	31.9	610	22
Wyffels	W7696RIB	VT2P,B	113	205.2	18.1	1	31.4	602	23
Pfister	75Y1PCR	PC,B	115	202.2	18.7	1	31.9	590	26
Renk	RK961VT2P	VT2P,B	116	201.5	18.2	1	30.9	590	27
Federal	6680VT2PRIB	VT2P,B	116	201.2	18.8	1	31.4	586	28
Federal	6280VT2PRIB	VT2P,B	112	200.9	17.5	2	31.4	592	24
Renk	RK859DGVT2P	VT2P,DG,B	112	200.7	17.6	1	30.9	591	25
NuTech/G2 Gen	5LB-7215	AMXT,B	115	199.7	18.0	1	32.9	586	29
Kruger	K1204DP	VT2P,B	112	197.3	17.1	3	31.4	584	30
Pioneer	P1197AMXT CK	AMXT,B	111	193.2	17.0	1	30.9	572	40

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

Averages = **200.5** **18.1** **1** **31.6** **588**

LSD (0.10) = 18.7 0.6 2

LSD (0.25) = 13.1 0.4 1

C.V. = 6.9 New test site, no yield history

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.01; non-GMO = \$3.01

**Test Comments:** *This is our first year of testing in this drought prone area. Dave and Ray, our host growers, both predicted this summer would have a drought. Planting went very well and emergence was good. June, July and August were very dry. Plants stood well at harvest but weak stalks were seen. Seed set was very good, little tip dieback and good kernel depth. Dave and Ray were shocked by their good yields.*

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2018 Corn Grain - Iowa South [ IASO ]



**Early-Season Test Products (45 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A4658GT3220	3220	CM,C2	108					
Champion	61A19VT2ProRIB	VT2P	AC,P2	111					
Channel	208-23VT2PRIB	VT2P,B	AC,P2	108					
Channel	210-26STXRIB	STX,B	AC,P5V	110					
Channel	210-79STXRIB	STX,B	AC,P5V	110					
Dyna-Gro	D49VC70	VT2P	AC,P5V	109					
Federal	5885VT2PRIB	VT2P,B	AC,P2	108					
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	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108					
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					
Green Valley	GV8182VT2PRORIB	VT2P,B	AC,P2	111					
Kruger	K0807SS	STX,B	AC,P5V	108					
Kruger	K1005DP	VT2P,B	AC,P2	110					
Kruger	K4R-9111	STX,B	AC,P5V	111					
Kruger	K4R-9608	STX,B	AC,P5V	108					
Latham	LH5819SSRIB	STX,B	AC,P5V	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
Latham	LH6069SSRIB	STX,B	AC,P5V	110					
Latham	LH6187VT2ProDGRIB	VT2P,DG,B	AC,P2	111					
LG Seeds	LG5606STXRIB	STX,B	AC,P5V	111					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
NuTech	5VN-4707	3111	MQ,P5V,R	107					
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					
Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110					
Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111					
Renk	RK779SSTX	STX	AC,P5V	108					
Renk	RK815SSTX	STX,B	AC,P2	110					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111					
Titan Pro	82-09 2P	VT2P,B	AC,P2	109					
Wyffels	W5516RIB	VT2P,B	AC,P5V	108					
Wyffels	W6408	STX	AC,P5V	110					
Wyffels	W6896RIB	VT2P,B	AC,P2	110					
Wyffels	W6956	VT2P	AC,P5V	111					

2018 Corn Grain - Iowa South [ IASO ]



**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	Pfister	72C6SSR	STX,B	CM,C5,Vi,In	112
Champion	62A18VT2ProRIB	VT2P,B	AC,P2	112	Pfister	74D2PE	PC,E	CM,C5,Vi,In	114
Champion	66A18VT2ProRIB	VT2P,B	AC,P2	116	Pfister	75Y1PCR	PC,B	CM,C5,Vi,In	115
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	AC,P2	114	Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111
Champion	CSX65A17VT2ProRIB	VT2P,B	AC,P2	115	Pioneer	P1311AMXT GC	AMXT,B	MQ,P1V	113
Channel	213-19STXRIB	STX,B	AC,P5V	113	Pioneer	P1417AMX GC	AMX,B	MQ,P1V,R	114
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	RK961VT2P	VT2P,B	AC,P2	116
Dyna-Gro	D52VC63	VT2P	AC,P5V	112	Renk	RK965VT2P	VT2P,B	AC,P2	116
Dyna-Gro	D54VC14	VT2P	AC,P5V	114	Titan Pro	82-14 2P	VT2P,B	AC,P2	114
Dyna-Gro	D55VC45	VT2P	AC,P5V	115	Wyffels	W7456RIB	VT2P,B	AC,P5V	112
Federal	6280VT2PRIB	VT2P,B	AC,P2	112	Wyffels	W7696RIB	VT2P,B	AC,P5V	113
Federal	6290VT2P	VT2P	AC,P5V	112	Wyffels	W7976RIB	VT2P,B	AC,P5V	113
Federal	6580VT2PRIB	VT2P,B	AC,P2	115	Wyffels	W8646RIB	VT2P,B	AC,P5V	116
Federal	6680VT2PRIB	VT2P,B	AC,P2	116					
FS InVISION	FS 62ZX1 RIB	STX,B	AC,P5V	112					
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113					
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
Golden Harvest	G11A33-3111	3111	AVC,C5,Vi	111					
Golden Harvest	G13T41-3010	3010	AVC,C5,Vi	113					
Golden Harvest	G13Z50-3110	3110	AVC,C5,Vi	113					
Golden Harvest	G15L32-3000GT	3000GT	AVC,C5,Vi	115					
Green Valley	GV8282VT2PRORIB	VT2P,B	AC,P2	112					
Green Valley	GV8362VT2PRORIB	VT2P,B	AC,P2	113					
Kruger	K1204DP	VT2P,B	AC,P2	112					
Kruger	K1501SS	STX,B	AC,P5V	115					
Kruger	K4R-9116	STX,B	AC,P5V	116					
Kruger	K4R-9814	STX,B	AC,P5V	114					
Latham	EX6355VT2Pro	VT2P	AC,P5V	113					
Latham	LH6285VT2Pro	VT2P	AC,P5V	112					
Latham	LH6317VT2ProDGRIB	VT2P,DG,B	AC,P2	113					
Latham	LH6477VT2Pro	VT2P	AC,P5V	114					
LG Seeds	LG5643STXRIB	STX,B	AC,P5V	114					
LG Seeds	LG5650STXRIB	STX,B	AC,P5V	115					
LG Seeds	LG62C02STX	STX	AC,P5V	112					
NK Brand	NK1433-3120-EZR	3120,B	AVC,C5,Vi	114					
NK Brand	NK1573-3110	3110	AVC,C5,Vi	115					
NuTech	5NN-8812	3000GT	CM,C2,R,Lu,I	112					
NuTech/G2 Gen	5FB-4516	AM,B	CM,C2,R,Lu	116					
NuTech/G2 Gen	5FB-6313	AM,B	CM,C2,R,Lu	113					
NuTech/G2 Gen	5FN-2213	OI	MQ,P5V,R	113					
NuTech/G2 Gen	5LB-7215	AMXT,B	CM,C2,R,Lu	115					
Pfister	2874PCR	PC,B	CM,C5,Vi,In	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.