

# 2018 Corn Grain Top 30 Harvest Report

Iowa South [ IASO ] CLARINDA  
Mike & Ben Vardaman, Page County, IA 51632



PREV. CROP/HERB: Soybean / Liberty  
SOIL DESCRIPTION: Sharpsburg silty clay loam, well drained, non-irrigated  
SOIL CONDITION: No-till, low P, very high K, 5.6 pH, 2.9% OM, 19.6 CEC  
PEST MANAGEMENT: Force, Roundup, Callisto  
FERTILITY - Applied N: 148 Spring, 23 Foliar  
Applied N-P-K (units): 171-0-0  
SEEDING - RATE - ROW: Apr 27 32,400 /A 30" spacing  
HARVESTED - STAND: Sep 26 31,900 /A

**Early-Season Test**  
**106 - 111 Day CRM**  
B2018IASO31a

## 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
LG Seeds	LG5606STXRIB	STX,B	111	<b>234.8</b>	16.7	1	32.4	697	1
FS InVISION	FS 60UX1 RIB	STX,B	110	<b>223.9</b>	17.3	1	31.9	661	3
Kruger	K1005DP	VT2P,B	110	<b>223.1</b>	16.4	1	31.4	664	2
Kruger	K0807SS	STX,B	108	<b>220.8</b>	16.3	1	31.4	657	4
Latham	LH6069SSRIB	STX,B	110	<b>220.5</b>	16.8	1	32.4	654	5
Renk	RK815SSTX	STX,B	110	219.7	16.6	1	32.4	653	6
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	218.4	16.7	1	31.9	648	7
Titan Pro	82-09 2P	VT2P,B	109	218.3	16.7	1	30.9	648	8
Champion	61A19VT2ProRIB	VT2P	111	218.1	17.4	1	32.4	643	9
Latham	LH5965VT2ProRIB	VT2P,B	109	215.7	16.9	1	31.4	639	10
Renk	RK779SSTX	STX	108	214.2	16.7	1	31.4	636	12
Wyffels	W5516RIB	VT2P,B	108	213.7	16.6	1	32.4	635	14
Channel	208-23VT2PRIB	VT2P,B	108	213.6	16.8	1	31.9	633	15
NuTech/G2 Gen	5FB-9909	AM,B	109	213.4	15.9	1	32.4	638	11
NuTech	5VN-4707	3111	107	213.4	16.1	1	31.9	636	13
Pfister	69E2SSR	STX,B	109	212.6	16.5	1	31.9	632	16
Wyffels	W6896RIB	VT2P,B	110	212.3	17.2	1	31.4	627	18
Wyffels	W6956	VT2P	111	211.3	16.4	1	31.4	629	17
Channel	210-79STXRIB	STX,B	110	207.4	16.7	1	31.4	615	20
Federal	5885VT2PRIB	VT2P,B	108	206.4	16.5	1	31.9	614	21
Augusta	A4658GT3220	3220	108	205.9	17.5	1	32.4	607	25
Kruger	K4R-9111	STX,B	111	205.5	17.1	1	32.4	608	23
NuTech/G2 Gen	5FB-1010	AM,B	110	205.4	16.9	4	31.4	608	24
FS InVISION	FS 57ZX1 RIB	STX,B	107	205.0	16.0	1	32.4	612	22
NuTech/G2 Gen	5FN-8808	OI	108	203.2	16.5	1	31.4	604	27
Pfister	70A1SSR	STX,B	110	202.7	15.8	1	32.9	606	26
Renk	RK871VT2P	VT2P,B	111	202.3	17.0	1	31.4	599	28
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	201.3	16.8	1	31.9	597	30
Dyna-Gro	D49VC70	VT2P	109	201.3	16.9	1	31.9	596	31
Latham	LH5819SSRIB	STX,B	108	201.0	16.1	1	31.9	599	29
Pioneer	P1197AMXT CK	AMXT,B	111	207.4	16.4	1	31.4	617	19

Averages = **205.6** **16.7** **1** **31.9** **610**

LSD (0.10) = 14.2 0.6 ns

LSD (0.25) = 7.4 0.3 ns

C.V. = 6.5 Prev. years average yield, 187.5 bu/a, 3 yrs

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

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

**Test Comments:** *Planting conditions were very good. Plant emergence was very uneven. Some early season plant greensnap could be seen. The site endured nearly six weeks without rain, starting the last week of June into early August. At harvest, plants stood well. Ears had tip die-back and small kernels from the dry mid-season conditions. Area fields with better moisture capacity had higher yield averages.*

† 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: 9/28/2018 Revised:

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Iowa South [ IASO ] CLARINDA

Mike & Ben Vardaman, Page County, IA 51632



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

PREV. CROP/HERB: Soybean / Liberty  
 SOIL DESCRIPTION: Sharpsburg silty clay loam, well drained, non-irrigated  
 SOIL CONDITION: No-till, low P, very high K, 5.6 pH, 2.9% OM, 19.6 CEC  
 PEST MANAGEMENT: Force, Roundup, Callisto  
 FERTILITY - Applied N: 148 Spring, 23 Foliar  
 Applied N-P-K (units): 171-0-0  
 SEEDING - RATE - ROW: Apr 27 32,400 /A 30" spacing  
 HARVESTED - STAND: Sep 26 32,200 /A

## Full-Season Test

112 - 116 Day CRM

B2018IASO31b

## 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
Federal	6680VT2PRIB	VT2P,B	116	<b>238.2</b>	19.5	1	32.4	690	1
Augusta	A4465GT3111	3111	114	<b>233.7</b>	18.4	1	31.9	684	2
Channel	213-19STXRIB	STX,B	113	<b>233.7</b>	18.8	1	32.4	681	3
Dyna-Gro	D54VC14	VT2P	114	<b>232.2</b>	18.5	1	31.4	679	5
Wyffels	W7976RIB	VT2P,B	113	<b>230.4</b>	17.4	1	31.9	680	4
Kruger	K1501SS	STX,B	115	<b>229.9</b>	18.3	1	32.9	673	7
NK Brand	NK1573-3110	3110	115	<b>229.6</b>	17.8	1	31.4	675	6
Pfister	75Y1PCR	PC,B	115	<b>229.1</b>	19.2	1	32.9	666	12
Dyna-Gro	D55VC45	VT2P	115	<b>228.9</b>	18.6	1	32.4	668	8
Latham	LH6285VT2Pro	VT2P	112	<b>228.4</b>	18.4	1	32.4	668	9
Champion	62A18VT2ProRIB	VT2P,B	112	<b>228.4</b>	18.6	1	32.4	667	10
Wyffels	W7696RIB	VT2P,B	113	228.0	18.4	1	32.4	667	11
Titan Pro	82-14 2P	VT2P,B	114	226.0	19.0	1	32.4	658	13
NuTech/G2 Gen	5FB-4516	AM,B	116	220.9	18.4	1	32.4	646	15
Channel	215-75STXRIB	STX,B	115	220.8	18.7	1	32.4	644	16
Champion	CSX65A17VT2ProRIB	VT2P,B	115	220.2	17.9	1	31.9	647	14
LG Seeds	LG62C02STX	STX	112	219.1	18.0	1	32.9	643	17
Champion	66A18VT2ProRIB	VT2P,B	116	218.5	19.0	1	31.9	636	19
LG Seeds	LG5650STXRIB	STX,B	115	218.1	18.4	1	31.9	638	18
Federal	6580VT2PRIB	VT2P,B	115	218.0	19.1	1	32.4	634	20
Dyna-Gro	D52VC63	VT2P	112	214.0	17.2	1	30.9	632	21
Renk	RK842SSTX	STX	112	213.8	18.1	1	32.4	627	23
Champion	CSX64A15DGVT2ProRIB	VT2P,DG,B	114	213.0	18.5	1	32.9	622	25
NuTech/G2 Gen	5FN-2213	OI	113	212.0	17.1	1	32.9	627	24
Renk	RK965VT2P	VT2P,B	116	211.2	18.7	1	32.9	616	26
Kruger	K4R-9116	STX,B	116	208.9	19.8	1	31.9	604	30
Wyffels	W7456RIB	VT2P,B	112	207.1	18.4	1	31.4	606	28
Pioneer	P1311AMXT GC	AMXT,B	113	206.4	17.2	1	32.4	610	27
Wyffels	W8646RIB	VT2P,B	116	205.8	18.6	1	32.9	601	31
Golden Harvest	G13Z50-3110	3110	113	204.7	17.1	2	31.9	605	29
Pioneer	P1197AMXT CK	AMXT,B	111	210.6	16.0	1	31.9	629	22

Randy Meinsma

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

Averages = **208.5** **18.1** **1** **32.2** **611**

LSD (0.10) = 19.8 1.0 ns

LSD (0.25) = 13.8 0.7 ns

C.V. = 7.0 Prev. years average yield, 187.5 bu/a, 3 yrs

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

**Test Comments:** *Planting conditions were very good. Plant emergence was very uneven. Some early season plant greensnap could be seen. The site endured nearly six weeks without rain, starting the last week of June into early August. At harvest, plants stood well. Ears had tip die-back and small kernels from the dry mid-season conditions. Area fields with better moisture capacity had higher yield averages.*

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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.