

2018 Corn Grain Top 30 Harvest Report

Iowa West Central [IAWC] DUNLAP
 Brandon McHugh, Harrison County, IA 51529



PREV. CROP/HERB: Corn, 2+ Yr / Roundup, Callisto
 SOIL DESCRIPTION: Kennebec silt loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, very high P, very high K, 6.1 pH, 3.3% OM, 20.6 CEC
 PEST MANAGEMENT: Callisto, glyphosate, atrazine, Harness Xtra, Force
 FERTILITY - Applied N: 200 Spring
 Applied N-P-K (units): 200-0-0
 SEEDING - RATE - ROW: May 17 33,600 /A 30" spacing
 HARVESTED - STAND: Oct 26 34,200 /A

Early-Season Test
105 - 110 Day CRM
 B2018IAWC22a

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
Legend	LR9509GENSSRIB	STX,B	109	260.4	17.9	1	34.4	817	1
NuTech/G2 Gen	5FB-1010	AM,B	110	253.0	17.2	5	34.4	798	3
Channel	206-11STXRIB	STX,B	106	252.7	16.8	1	34.4	800	2
LG Seeds	LG5525VT2RIB	VT2P,B	105	251.2	16.8	1	34.4	795	4
Wyffels	W6896RIB	VT2P,B	110	248.3	17.0	23	33.9	785	5
Channel	210-79STXRIB	STX,B	110	247.8	17.6	1	34.4	779	6
Wyffels	W6956	VT2P	111	247.7	17.8	4	34.4	778	7
Champion	60A18VT2ProRIB	VT2P,B	110	241.2	17.5	5	33.9	759	11
FS InVISION	FS 60UX1 RIB	STX,B	110	240.8	17.2	2	34.4	760	10
FS InVISION	FS 57ZX1 RIB	STX,B	107	240.6	16.9	2	34.4	761	9
Latham	LH5965VT2ProRIB	VT2P,B	109	239.5	16.7	36	33.9	759	12
Latham	LH5819SSRIB	STX,B	108	238.6	17.2	1	34.4	753	13
Renk	RK815SSTX	STX,B	110	236.5	17.1	5	34.4	747	14
Hoegemeyer/HPT	7825SXRA	STX,B	108	235.5	17.7	1	34.4	740	15
Channel	208-23VT2PRIB	VT2P,B	108	233.7	17.3	19	34.4	737	16
Titan Pro	82-09 2P	VT2P,B	109	232.7	17.1	6	33.9	735	17
Golden Harvest	G06Q68-3220-EZR	3220,B	106	232.0	16.6	9	34.4	735	18
Epley	E1712SS	STX	107	232.0	16.9	2	33.4	734	19
Champion	58A18VT2ProRIB	VT2P,B	108	231.8	17.5	3	34.4	730	23
Legend	LR9907GENSSRIB	STX,B	107	231.6	16.7	1	34.4	734	20
Kruger	K4R-9706	STX,B	106	231.6	17.0	1	34.4	732	22
Pfister	68A1PE	PC,E	108	231.4	17.5	3	34.4	728	26
Miller Hybrids	RX10-36SS	STX	110	231.1	17.1	14	34.4	730	24
Pfister	66Y3PE	PC,E	106	231.1	17.6	2	34.4	727	27
NuTech/G2 Gen	5FB-9909	AM,B	109	231.0	16.5	1	34.4	733	21
Titan Pro	TP 77-06 SS	STX,B	106	230.2	16.8	1	34.4	729	25
Channel	209-15VT2PRIB	VT2P,B	109	229.7	17.0	4	34.4	726	28
NuTech/G2 Gen	5F-308	AM,B	108	228.4	17.5	1	34.4	719	30
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	227.6	17.8	46	34.4	715	31
Four Star	6D55RIB	VT2P,B	110	227.2	16.5	20	34.4	721	29
Pioneer	P1197AMXT CK	AMXT,B	111	244.6	17.9	2	34.4	767	8

Averages = **226.8** 17.1 7 34.2 716

LSD (0.10) = 17.8 0.5 11

LSD (0.25) = 12.4 0.4 7

C.V. = 5.8 Prev. years average yield, 207.1 bu/a, 9 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: *Planting was delayed in this area due to wet conditions. After planting, emergence looked very good. The area received strong storms during the summer months and caused some green snap. At harvest, stalks were weak and lodged. Ears were filled with deep kernels. Plants were well matured with strong cobs. A custom silage chopper accidentally harvested one rep in the full-season test.*

† 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: Callisto, glyphosate, atrazine, Harness Xtra, Force
 FERTILITY - Applied N: 200 Spring
 Applied N-P-K (units): 200-0-0
 SEEDING - RATE - ROW: May 17 33,600 /A 30" spacing
 HARVESTED - STAND: Oct 26 34,300 /A

Full-Season Test

111 - 115 Day CRM

B2018IAWC22b

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
LG Seeds	LG62C02STX	STX	112	277.4	18.8	1	34.4	864	1
FS InVISION	FS 63ZX1 RIB	STX,B	113	264.5	19.5	1	33.6	819	2
NuTech/G2 Gen	5FN-2213	OI	113	262.0	19.2	3	34.4	814	3
Renk	RK937SSTX	STX	113	259.0	19.4	1	34.4	803	4
Pfister	72C6SSR	STX,B	112	256.0	18.7	3	34.4	798	6
Kruger	K1204DP	VT2P,B	112	255.0	18.5	1	34.4	796	7
Latham	LH6285VT2Pro	VT2P	112	254.9	17.8	5	34.4	800	5
Channel	213-19STXRIB	STX,B	113	252.2	19.0	3	34.4	784	8
LG Seeds	LG5643STXRIB	STX,B	114	251.5	19.8	4	33.6	777	9
LG Seeds	LG5606STXRIB	STX,B	111	249.1	18.7	7	34.4	777	10
LG Seeds	LG5650STXRIB	STX,B	115	243.8	18.9	1	34.4	759	12
FS InVISION	FS 64SX1 RIB	STX,B	114	243.3	19.7	27	34.4	752	13
FS InVISION	FS 62ZX1 RIB	STX,B	112	241.8	19.0	20	34.4	752	14
Kruger	K4R-9111	STX,B	111	241.2	19.7	3	34.4	746	16
Wyffels	W7456RIB	VT2P,B	112	240.6	20.1	21	34.4	742	17
NuTech/G2 Gen	5LB-7215	AMXT,B	115	240.5	19.0	1	34.4	748	15
NK Brand	NK1191-3111	3111	111	238.3	19.8	9	34.4	736	18
Golden Harvest	G13T41-3010	3010	113	236.7	19.1	3	34.4	736	19
Kruger	K4R-9814	STX,B	114	236.2	18.8	1	34.4	736	20
Dyna-Gro	D52SS63	STX	112	234.5	18.9	4	34.4	730	21
Channel	215-75STXRIB	STX,B	115	233.8	18.9	9	34.4	728	23
Renk	RK877DGV2P	VT2P,DG,B	111	233.5	18.5	1	33.6	729	22
Wyffels	W7696RIB	VT2P,B	113	232.3	18.6	10	34.4	725	24
Channel	216-36DGV2P	VT2P,DG,B	116	231.5	19.0	1	34.4	720	25
Golden Harvest	G11A33-3111	3111	111	230.2	19.5	3	34.4	713	28
Four Star	6D75RIB	VT2P,B	114	229.8	19.0	5	33.6	715	26
Miller Hybrids	RX14-14SS	STX	114	228.6	18.8	23	34.4	712	29
Wyffels	W7976RIB	VT2P,B	113	227.6	17.8	1	33.6	715	27
Champion	CSX65A17VT2ProRIB	VT2P,B	115	227.2	18.0	4	34.4	712	30
Latham	LH6224-3220EZR	3220,B	112	226.6	17.7	1	34.4	712	31
Pioneer	P1197AMXT CK	AMXT,B	111	247.5	19.5	1	34.4	767	11

Averages = **229.0** **18.9** **8** **34.3** **713**

LSD (0.10) = 16.2 0.8 12

LSD (0.25) = 11.3 0.5 8

C.V. = 5.2 Prev. years average yield, 207.1 bu/a, 9 yrs

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

Test Comments: *Planting was delayed in this area due to wet conditions. After planting, emergence looked very good. The area received strong storms during the summer months and caused some green snap. At harvest, stalks were weak and lodged. Ears were filled with deep kernels. Plants were well matured with strong cobs. A custom silage chopper accidentally harvested one rep in the full-season test.*

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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	RK779SSSTX	STX	AC,P5V	108
Channel	209-15VT2PRIB	VT2P,B	AC,P2	109	Renk	RK815SSSTX	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					

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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.