

2018 Corn Grain Top 30 Harvest Report

Iowa West Central [IAWC] YALE
Dennis Mleynek, Guthrie County, IA 50216



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

PREV. CROP/HERB: Soybean / Flexstar GT, Fusilade
SOIL DESCRIPTION: Nicollet loam, well drained, non-irrigated
SOIL CONDITION: No-till, very high P, medium K, 5 pH, 3.3% OM, 23.8 CEC
PEST MANAGEMENT: Durango DMA, Breakfree NXT Lite, Realm Q, Bronc Triple, atrazine, Force
FERTILITY - Applied N: 180 Fall
Applied N-P-K (units): 180-0-0
SEEDING - RATE - ROW: May 8 33,600 /A 30" spacing
HARVESTED - STAND: Oct 19 34,300 /A

Early-Season Test

105 - 110 Day CRM

B2018IAWC26a

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	K0807SS	STX,B	108	257.0	16.5	2	34.4	815	1
Dyna-Gro	D49VC70	VT2P	109	251.0	17.3	1	33.9	791	2
NuTech/G2 Gen	5FN-8808	OI	108	247.2	17.5	2	34.4	778	3
NuTech/G2 Gen	5FB-9909	AM,B	109	243.6	17.2	1	34.4	769	4
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	241.6	18.1	4	34.4	757	7
Wyffels	W5516RIB	VT2P,B	108	241.2	16.7	1	33.9	764	5
Channel	210-79STXRIB	STX,B	110	240.9	18.1	1	34.4	755	8
Channel	208-23VT2PRIB	VT2P,B	108	240.1	16.6	1	34.4	761	6
Augusta	A4658GT3220	3220	108	238.8	17.7	17	34.4	750	9
NuTech/G2 Gen	5FB-1010	AM,B	110	235.4	17.4	10	34.8	742	10
Golden Harvest	G08M20-3010	3010	108	232.4	16.7	2	33.9	736	11
Legend	LR9910GENSSRIB	STX,B	110	231.4	17.3	4	34.8	729	12
Channel	209-15VT2PRIB	VT2P,B	109	230.5	17.2	1	34.4	727	13
LG Seeds	LG58C77VT2PRO	VT2P	108	229.2	17.8	1	34.4	720	16
Champion	58A18VT2ProRIB	VT2P,B	108	228.5	17.2	2	34.4	721	14
Golden Harvest	G06Q68-3220-EZR	3220,B	106	228.2	17.0	1	34.4	721	15
Champion	60A18VT2ProRIB	VT2P,B	110	227.0	16.9	2	34.4	718	17
Latham	LH5819SSRIB	STX,B	108	226.8	17.4	4	34.4	714	19
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	225.1	16.2	1	33.4	716	18
Miller Hybrids	RX10-36SS	STX	110	224.8	18.0	4	34.4	705	21
Kruger	K4R-9706	STX,B	106	224.4	17.2	1	33.9	708	20
NuTech/G2 Gen	5F-308	AM,B	108	222.1	17.6	6	34.4	699	24
Legend	LR9608GENSSRIB	STX,B	108	221.0	16.7	2	34.4	700	22
Channel	206-11STXRIB	STX,B	106	220.8	16.5	1	33.9	700	23
Titan Pro	82-09 2P	VT2P,B	109	220.4	17.5	10	33.4	694	26
Wyffels	W6896RIB	VT2P,B	110	219.2	16.5	1	34.4	695	25
FS InVISION	FS 60UX1 RIB	STX,B	110	217.4	17.9	5	33.9	682	28
Legend	LR9509GENSSRIB	STX,B	109	216.4	17.5	1	33.9	681	30
Latham	LH5725VT2Pro	VT2P	107	216.3	17.1	1	34.4	683	27
Augusta	A4858GT3010	3010	108	215.7	17.0	1	34.4	682	29
Pioneer	P1197AMXT CK	AMXT,B	111	210.7	18.0	1	34.4	661	40

Averages = 217.9 17.1 3 34.3 688

LSD (0.10) = 17.4 0.7 6

LSD (0.25) = 12.1 0.5 4

C.V. = 5.9 Prev. years average yield, 203.3 bu/a, 16 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 conditions were very good with plenty of soil moisture for seedling emergence. Dry conditions set in and caused stress on this crop. At harvest, most early hybrids had stalk tops broken off but later hybrids were mostly intact. Stalks were showing weakness with some lodging. Ears had some tip die-back. Some hybrids had cob rot with soft cobs. Area yields were down this year.*

† 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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SOIL CONDITION: No-till, very high P, medium K, 5 pH, 3.3% OM, 23.8 CEC
PEST MANAGEMENT: Durango DMA, Breakfree NXT Lite, Realm Q, Bronc Triple, atrazine, Force
FERTILITY - Applied N: 180 Fall
Applied N-P-K (units): 180-0-0
SEEDING - RATE - ROW: May 8 33,600 /A 30" spacing
HARVESTED - STAND: Oct 19 34,400 /A

Full-Season Test
111 - 115 Day CRM
B2018IAWC26b

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
NuTech/G2 Gen	5FB-6313	AM,B	113	258.3	18.4	1	34.4	807	1
Latham	EX6355VT2Pro	VT2P	113	244.9	18.8	1	34.4	763	2
NuTech/G2 Gen	5LB-7215	AMXT,B	115	243.4	19.3	1	34.4	755	4
Champion	61A19VT2ProRIB	VT2P	111	241.8	18.0	1	34.4	758	3
Renk	RK937SSTX	STX	113	239.6	18.1	1	34.8	751	5
FS InVISION	FS 63ZX1 RIB	STX,B	113	239.6	20.1	1	33.4	739	7
Renk	RK842SSTX	STX	112	237.9	18.6	1	34.8	742	6
FS InVISION	FS 62ZX1 RIB	STX,B	112	235.6	19.0	1	34.4	733	8
Renk	RK859DGV2P	VT2P,DG,B	112	233.6	18.5	1	34.4	729	9
Wyffels	W7576RIB	VT2P,B	112	232.8	19.0	2	34.4	724	12
Wyffels	W7976RIB	VT2P,B	113	232.5	18.6	1	34.4	725	10
Dyna-Gro	D52SS63	STX	112	232.3	18.7	1	34.4	724	13
Augusta	A4465GT3111	3111	114	232.0	19.0	1	34.4	722	14
Channel	215-75STXRIB	STX,B	115	232.0	19.5	1	34.4	719	15
Channel	216-36DGV2P	VT2P,DG,B	116	231.8	18.3	1	34.4	725	11
Dyna-Gro	D55VC45	VT2P	115	230.1	18.6	1	34.4	718	16
Golden Harvest	G15L32-3000GT	3000GT	115	228.9	19.7	6	33.9	708	19
Hoegemeyer/HPT	8348PWRA	PC,B	113	228.6	18.5	1	33.9	714	17
Kruger	K4R-9814	STX,B	114	227.8	18.9	1	34.4	709	18
LG Seeds	LG5650STXRIB	STX,B	115	225.8	18.9	1	34.4	703	21
Pfister	2874PCR	PC,B	113	225.5	19.0	1	33.9	701	22
Kruger	K1501SS	STX,B	115	224.9	19.4	1	34.4	697	24
Latham	LH6285VT2Pro	VT2P	112	224.1	17.8	1	34.4	704	20
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	222.9	19.1	1	34.4	693	26
NK Brand	NK1354-3110	3110	113	222.8	17.5	2	34.4	701	23
NuTech/G2 Gen	5FN-2213	OI	113	222.6	19.8	1	34.4	688	28
Kruger	K4R-9111	STX,B	111	222.4	18.7	2	34.4	693	27
NuTech/G2 Gen	5F-713	AM,B	113	221.1	17.9	3	34.4	694	25
Channel	214-45DGV2PRIB	VT2P,DG,B	114	218.8	18.3	3	34.4	684	29
Four Star	6D63RIB	VT2P,B	112	218.6	18.5	2	34.4	683	30
Pioneer	P1197AMXT CK	AMXT,B	111	211.5	18.1	1	34.4	663	41

Averages = **220.0** **18.9** **2** **34.4** **685**

LSD (0.10) = 14.0 0.9 3

LSD (0.25) = 9.8 0.6 2

C.V. = 4.7 Prev. years average yield, 203.3 bu/a, 16 yrs

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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.