

2018 Corn Grain Top 30 Harvest Report

Iowa South [IASO] LINEVILLE
Bradley Vogel, Wayne County, IA 50147



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

PREV. CROP/HERB: Soybean / Roundup
SOIL DESCRIPTION: Coppock silt loam, well drained, non-irrigated
SOIL CONDITION: Minimum w/o fall till, medium P, low K, 5.2 pH, 2.0% OM, 16.2 CEC
PEST MANAGEMENT: Force, Acuron
FERTILITY - Applied N: 210 Spring
Applied N-P-K (units): 210-92-81
SEEDING - RATE - ROW: Apr 28 32,400 /A 30" spacing
HARVESTED - STAND: Sep 28 33,300 /A

Early-Season Test
106 - 111 Day CRM
B2018IASO35a

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
Augusta	AA8807328	328	108	143.3	14.4	1	32.9	431	1
HyFlex	W6408	87L	110	137.8	14.5	1	34.4	426	2
Krug	KAR 8111	87L B	111	137.8	15.1	2	33.4	423	4
Channel	210-7807488	87L B	110	137.4	14.3	17	32.9	422	5
Lathan	LH880720488	VT2P B	109	136.8	14.5	16	32.9	412	6
Phase	78A108	87L B	110	140.7	14.1	1	32.9	409	7
Team Pro	82-88-2P	VT2P B	109	142.3	14.5	14	32.9	409	8
Golden Harvest	GG8225-3125A-82R	3125A B	108	140.1	14.5	1	32.4	402	9
NuTech/2 Gen	978-910	48L B	110	133.1	14.7	1	32.9	479	10
Golden Harvest	GG846-38807	38807	109	138.9	14.3	1	32.9	476	11
Channel	210-2107488	VT2P B	110	137.6	14.3	1	32.9	474	12
HyFlex	W6408	VT2P B	110	144.6	14.3	24	33.4	471	13
Rex	88A1007L	87L B	110	141.9	14.5	9	32.9	461	14
Krug	K88715	87L B	108	141.4	14.5	7	32.9	459	15
Phase	88-2108	87L B	109	141.9	14.5	1	33.4	458	16
HyFlex	W6408	87L B	110	141.9	14.5	12	33.4	451	17
Federal	88A1072488	VT2P B	110	143.4	14.3	1	32.9	450	18
Lathan	LH81007L	87L B	110	149.2	14.8	1	32.9	449	19
NuTech/2 Gen	978-910	48L B	109	149.2	14.2	4	32.9	446	20
FS w/IBON	FS 87L B	87L B	107	145.8	14.4	1	33.4	439	21
FS w/IBON	FS 88A 108	87L B	109	143.3	14.3	4	33.4	431	22
Lathan	LH810720488	VT2P B	111	142.9	14.8	17	32.9	430	23
Green Valley	GV810720488	VT2P B	111	142.9	14.8	6	33.4	430	24
Phase	88A108	PC-E	108	140.9	14.1	1	33.4	424	25
Krug	KAR 808	87L B	108	138.8	14.9	1	33.4	419	26
Champion	EA181072488	VT2P	111	138.3	14.5	16	32.9	416	27
Dyn-Gro	D48C-70	VT2P	109	135.2	14.3	16	33.4	407	28
NuTech	88A-4707	3111	107	133.9	14.8	6	32.9	403	29
LD Seeds	L88A8071488	87L B	111	131.3	14.5	13	33.4	395	30
Lathan	LH8807488	87L B	110	130.9	14.1	1	32.9	394	31
Phase	78A108	87L B	111	133.9	14.3	1	32.9	391	32

DATA REJECTED

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

Averages =	143.5	14.4	8	33.3	432
LSD (0.10) =	26.2	0.4	ns		
LSD (0.25) =	13.7	0.2	ns		
C.V. =	17.3	Prev. years average yield, 210.1 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 ideal and the crop looked good early. June, July and August brought drought conditions and spotty showers. Brad, our host grower, said area yields were variable and limited by rainfall received. Plants were tall, some hybrids stood well, others, weak and spindly. Ears were stubby with small kernels to barren ears. Highly variable yields made results unreliable. Rejected.*

† 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: 9/30/2018 Revised:

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PEST MANAGEMENT: Force, Acuron
FERTILITY - Applied N: 210 Spring
Applied N-P-K (units): 210-92-81
SEEDING - RATE - ROW: Apr 28 32,400 /A 30" spacing
HARVESTED - STAND: Sep 28 33,300 /A

Full-Season Test
112 - 116 Day CRM
B2018IASO35b

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
Latham	LH647V2Phu	VT2P	114	165.8	16.2	1	32.9	413	1
Latham	LH617V2PhuCGMB	VT2P/CGMB	113	162.1	15.8	1	32.9	404	2
Rock	RR642071	STx	112	166.4	16.7	1	32.9	389	3
Team Pro	TD 14 3P	VT2PB	114	165.8	17.0	1	32.4	380	5
Chancellor	215 1657xRB	STx_B	113	164.8	15.4	1	32.9	364	4
Federal	668V2PhuB	VT2PB	116	162.3	16.2	2	32.4	376	6
MR Brand	MR1573 3118	3118	116	162.2	16.2	1	32.9	376	7
LG Seeds	LGR6507xRB	STx_B	116	166.8	16.2	1	32.9	370	8
Golden Harvest	GH1433 3111	3111	111	167.8	16.3	1	32.4	369	10
Federal	628V2P	VT2P	115	166.7	15.4	1	32.4	360	9
Champion	CH161V2PhuRB	VT2PB	114	166.4	16.2	1	32.9	356	11
Augie	A1264P	VT2PB	112	162.9	16.2	6	32.4	350	12
MR Brand	MR1433 3128 628	3128B	114	165.2	15.9	2	32.9	340	14
Phase	PH157P	VT2PB	116	165.2	15.4	1	32.4	347	13
Phase	PH20P	VT2PB	114	165.2	15.6	1	32.9	338	15
Team Pro	TD1433	VT2PB	114	165.2	15.8	1	32.4	336	16
Chancellor	215 1657xRB	STx_B	113	165.4	16.4	1	32.9	321	17
Augie	A68 3118	STx_B	112	179.5	17.0	2	32.9	326	21
Champion	CH161V2PhuRB	VT2PB	114	177.2	15.5	6	32.4	321	18
Golden Harvest	GH1433 3111	3111	111	177.1	15.7	2	32.9	320	19
Latham	LH628V2Phu	VT2PB	112	175.8	14.9	4	32.4	327	20
Federal	668V2PhuB	VT2PB	116	174.2	15.9	1	32.9	320	24
FS w/IBCON	FS 622x 1 RB	STx_B	112	173.6	15.4	2	32.9	321	23
LG Seeds	LGR1200	STx	112	173.1	15.3	1	32.4	320	25
Champion	CH161V2PhuRB	VT2PB	116	171.6	15.3	1	32.4	315	26
Rock	RR68V2P	VT2PB	116	170.6	15.8	9	32.4	314	27
Augie	A485073111	3111	114	170.5	15.3	1	34.4	312	28
FS w/IBCON	FS 622x 1 RB	STx_B	113	170.2	15.3	1	32.9	311	29
FS w/IBCON	FS 622V1 RB	VT2PB	116	167.9	15.6	1	32.4	303	30
Phase	PH157V2Phu	VT2PB	113	167.9	15.7	6	32.4	302	31
Phase	PH157V2Phu	VT2PB	113	173.3	15.3	1	32.4	302	32

DATA REJECTED

Randy Meinsma
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Averages =	162.7	15.6	2	33.3	487
LSD (0.10) =	44.1	0.8	ns		
LSD (0.25) =	30.7	0.6	ns		
C.V. =	20.0	Prev. years average yield, 210.1 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 ideal and the crop looked good early. June, July and August brought drought conditions and spotty showers. Brad, our host grower, said area yields were variable and limited by rainfall received. Plants were tall, some hybrids stood well, others, weak and spindly. Ears were stubby with small kernels to barren ears. Highly variable yields made results unreliable. Rejected.*

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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.