

2017 Corn Grain Top 30 Harvest Report

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



PREV. CROP/HERB: Soybean / Round up
SOIL DESCRIPTION: Sharpsburg silty clay loam,
SOIL CONDITION: No-till, low P, medium K, 5.7 pH, 3.6% OM, 19.2 CEC
PEST MANAGEMENT: Break Free ATZ Round up Force
FERTILITY - Applied N: 148 Spring, 23 Foliar
Applied N-P-K (units): 171-0-0
SEEDING - RATE - ROW: Apr 26 32,400 /A 30" spacing
HARVESTED - STAND: Nov 5 33,700 /A

Early-Season Test
105 - 110 Day CRM
B2017IASO31a

Top 30 of 42
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
Titan Pro	TP 66-10 2P	VT2P,B	110	228.5	14.3	1	32.9	699	1
Pfister	68A1RR	RR2	108	222.9	14.3	1	33.9	682	2
Golden Harvest	G09A86-3111	3111	109	220.2	14.5	2	32.9	674	3
FS InVISION	FS 59VL1 EZR	3220,B	109	217.3	14.4	1	33.9	665	4
NuTech	5VN-4707	3111	107	215.0	14.3	1	33.4	658	5
Latham	LH6045VT2ProRIB	VT2P,B	110	214.3	14.6	2	33.9	656	6
Channel	208-23STXRIB	STX,B	108	214.2	14.5	2	33.9	655	7
Latham	LH5885VT2ProRIB	VT2P,B	108	212.8	14.3	1	33.9	651	9
LG Seeds	LG5590VT2P	VT2P	110	211.0	14.4	1	34.4	646	10
Federal	6080VT2P	VT2P	110	210.9	14.5	1	34.4	645	11
NuTech	5N-410	3000GT	110	210.8	14.5	1	33.4	645	12
Augusta	A4658GT3110	3110	108	210.1	14.5	1	32.9	643	13
Dyna-Gro	D50VC30	VT2P	110	206.9	14.3	2	34.4	633	14
NK Brand	NK0576-3010	3010	105	206.8	14.4	1	33.4	633	15
Kruger	K4R-9610	STX,B	110	205.5	14.7	1	33.4	629	16
Pfister	70A1SSR	STX,B	110	205.3	14.2	2	33.9	628	17
NuTech/G2 Gen	5FB-1010^	AM,B	110	204.9	14.4	2	32.9	627	18
AgriGold	A639-40VT2PRO	VT2P	109	204.8	14.3	1	33.4	627	19
Channel	207-27STXRIB	STX,B	107	204.3	14.4	1	33.9	625	20
FS InVISION	FS 60QV1 RIB	VT2P,B	110	204.3	14.3	2	34.4	625	21
Wyffels	W6896	VT2P	110	203.1	14.5	4	33.9	621	22
Renk	RK810SSTX	STX,B	110	202.4	14.5	1	33.9	619	23
Titan Pro	TP 77-06 SS	STX	106	202.3	14.3	1	33.4	619	24
Renk	RK794DGV2P	VT2P,DG,B	108	199.8	14.3	5	34.4	611	25
Wyffels	W6198RIB	STX,B	109	198.8	14.4	1	33.9	608	26
Pfister	66Y3PC	PC	106	198.1	14.3	1	33.9	606	27
NuTech/G2 Gen	5F-510^	AM,B	110	198.1	14.5	3	34.4	606	28
Titan Pro	TP 58-10 SS	STX,B	110	196.6	14.4	1	33.9	602	29
AgriGold	A640-77VT2PRO	VT2P	110	196.5	14.5	2	33.4	601	30
Pfister	69D3VX	HXT,RR2	109	196.3	14.6	1	33.4	601	31
Pioneer	P1197AMXT CK	AMXT,B	111	213.7	14.3	1	33.4	654	8

Averages = **202.5** **14.4** **2** **33.7** **620**

LSD (0.10) = 12.6 0.1 1

LSD (0.25) = 6.6 0.1 1

C.V. = 5.9 Prev. years average yield, 171.2 bu/a, 2 yrs

Randy Meinsma

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

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.06; non-GMO = \$3.06

Test Comments: Plot was planted just before a cold snap came through and lowered soil temperatures. Seeds held on and germinated well. Plants were short with stubby ears with small sized kernels. At harvest, plants were well matured without much foliage. Ear shanks remained strong. Stalks had signs of weakness with some lodging starting. Ben stated that his yields varied across some of his fields.

† 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: Break Free ATZ Round up Force
FERTILITY - Applied N: 148 Spring, 23 Foliar
Applied N-P-K (units): 171-0-0
SEEDING - RATE - ROW: Apr 26 32,400 /A 30" spacing
HARVESTED - STAND: Nov 5 33,700 /A

Full-Season Test
111 - 116 Day CRM
B2017IASO31b

Top 30 of 63

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
Channel	215-75STXRIB	STX,B	115	249.1	15.0	3	33.4	762	1
LG Seeds	LG5618STXRIB	STX,B	112	246.2	14.9	1	33.9	753	2
Pfister	71C1PCR	PC,B	111	238.1	14.7	1	33.9	729	3
AgriGold	A6499STXRIB	STX,B	112	233.7	14.8	1	33.9	715	4
Federal	6580SSTAX	STX	115	233.4	14.8	2	33.4	714	5
Dyna-Gro	D52VC63	VT2P	112	228.0	14.8	3	33.9	698	6
Kruger	K4R-9811	STX,B	111	225.2	14.7	1	33.4	689	7
FS InVISION	FS 63ZX1 RIB	STX,B	113	224.6	14.7	1	34.4	687	8
Kruger	K4R-9116	STX,B	116	224.0	15.5	1	33.9	683	9
NuTech/G2 Gen	X5FN-1512^	OI	115	222.7	14.6	2	33.9	681	10
Renk	RK965SSTX	STX	116	219.9	15.0	1	33.9	673	11
Renk	RK924DGV2P	VT2P,DG,B	114	219.4	14.4	7	33.9	671	12
Channel	216-36STXRIB	STX,B	116	216.2	15.0	1	33.9	662	13
AgriGold	A6572VT2RIB	VT2P,B	114	213.9	15.0	1	33.9	655	15
Wyffels	W7456RIB	VT2P,B	112	213.6	14.9	1	32.9	654	16
Channel	213-19STXRIB	STX,B	113	213.3	15.1	1	33.4	652	17
Federal	6280SSTAX	STX	112	212.1	14.6	5	33.4	649	18
Titan Pro	TP 74-12 SS	STX	112	211.5	14.5	3	33.4	647	19
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	210.2	14.8	4	34.4	643	20
LG Seeds	LG5650VT2PRIB	VT2P,B	115	209.9	15.1	1	34.4	642	21
Latham	LH6187VT2ProDG	VT2P,DG	111	209.6	14.5	1	33.4	641	22
Champion	CSX63A13VT2PRORIB	VT2P,B	113	209.4	14.5	2	32.9	641	23
Wyffels	W8268RIB	STX,B	116	208.6	14.7	2	33.9	638	24
Pfister	72C6SS	STX	112	208.5	14.5	1	33.4	638	25
Renk	RK941SSTX	STX,B	114	208.2	14.7	1	33.4	637	26
NuTech/G2 Gen	X5FN-1306^	OI	113	205.8	14.3	7	33.4	630	27
NuTech	X5NN-1212	3000GT	112	205.6	14.7	1	33.9	629	28
Augusta	A5162GT3000	3000GT	112	204.9	14.9	1	34.4	627	29
Golden Harvest	G12W66-3000GT	3000GT	112	204.1	14.7	1	33.9	625	30
Titan Pro	TP 56-14 2P	VT2P,DG,B	114	204.0	14.7	1	34.4	624	31
Pioneer	P1197AMXT CK	AMXT,B	111	216.2	14.2	2	32.9	662	14

Averages = **205.6** **14.7** **2** **33.7** **629**

LSD (0.10) = 19.2 0.1 4

LSD (0.25) = 10.1 0.1 2

C.V. = 8.9 Prev. years average yield, 171.2 bu/a, 2 yrs

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2017 Corn Grain - Iowa South [IASO]



Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A639-40VT2PRO	VT2P	AC,P5V	109					
AgriGold	A640-77VT2PRO	VT2P	AC,P5V	110					
Augusta	A4658GT3110	3110	CM,C2	108					
Channel	207-27STXRIB	STX,B	AC,P5V	107					
Channel	208-23STXRIB	STX,B	AC,P5V	108					
Channel	210-26STXRIB	STX,B	AC,P5V	110					
Dyna-Gro	D50VC30	VT2P	AC,P5V	110					
Federal	6080VT2P	VT2P	AC,P5V	110					
FS InVISION	FS 57TX1 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 60QV1 RIB	VT2P,B	AC,P2	110					
Golden Harvest	G09A86-3111	3111	AVC,C5,Vi	109					
Kruger	K4R-9610	STX,B	AC,P5V	110					
Latham	LH5509SSRIB	STX,B	AC,P5V	105					
Latham	LH5885VT2ProRIB	VT2P,B	AC,P2	108					
Latham	LH5965VT2ProRIB	VT2P,B	AC,P2	109					
Latham	LH6045VT2ProRIB	VT2P,B	AC,P2	110					
LG Seeds	LG5590VT2P	VT2P	AC,P5V	110					
NK Brand	NK0576-3010	3010	AVC,C2,Vi	105					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	5VN-4707	3111	MQ,P1V,R	107					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-510^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5FB-1010^	AM,B	MQ,P5V,R	110					
Pfister	66Y3PC	PC	CM,C5,Vi,In	106					
Pfister	68A1RR	RR2	CM,C2	108					
Pfister	69D3VX	HXT,RR2	CM,C5,Vi,In	109					
Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110					
Pioneer	P0825AMXT GC	AMXT,B	MQ,C2,Lu	108					
Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111					
Prairie Brand	6097RA	STX,B	CM,C5,Vi,In	110					
Renk	RK792SSTX	STX,B	AC,P5V	108					
Renk	RK794DGV2P	VT2P,DG,B	AC,P2	108					
Renk	RK810SSTX	STX,B	AC,P5V	110					
Titan Pro	TP 58-10 SS	STX,B	AC,P5V	110					
Titan Pro	TP 66-10 2P	VT2P,B	AC,P5V	110					
Titan Pro	TP 77-06 SS	STX	AC,P5V	106					
Wyffels	W5448RIB	STX,B	AC,P5V	108					
Wyffels	W6198RIB	STX,B	AC,P5V	109					
Wyffels	W6896	VT2P	AC,P5V	110					
Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111					

2017 Corn Grain - Iowa South [IASO]



Full-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6499STXRIB	STX,B	AC,P5V	112	Pfister	2874SSR	STX,B	CM,C5,Vi,In	113
AgriGold	A6572VT2RIB	VT2P,B	AC,P5V	114	Pfister	71C1PCR	PC,B	CM,C5,Vi,In	111
AgriGold	A6579STX	STX	AC,P5V	114	Pfister	72C6SS	STX	CM,C1,Vi,In	112
Augusta	A5162GT3000	3000GT	AVC,C5	112	Pfister	73A2SSR	STX,B	CM,C5,Vi,In	113
Augusta	A5664GT3000	3000GT	CM,C1	114	Pioneer	P1197AMXT CK	AMXT,B	MQ,P1V	111
Champion	CSX63A13VT2PRORIB	VT2P,B	AC,P2	113	Prairie Brand	6388SX	STX	CM,C1,Vi,In	113
Champion	CSX63A17DGV2T2PRO	VT2P,DG	AC,P2	113	Renk	RK924DGV2T2P	VT2P,DG,B	AC,P2	114
Champion	CSX64A15DGV2T2PRORIB	VT2P,DG,B	AC,P2	114	Renk	RK941SSTX	STX,B	AC,P5V	114
Champion	CSX64A17SSRIB	STX,B	AC,P5V	114	Renk	RK961VT2P	VT2P,B	AC,P2	116
Channel	212-48STXRIB	STX,B	AC,P5V	112	Renk	RK965SSTX	STX	AC,P5V	116
Channel	213-19STXRIB	STX,B	AC,P5V	113	Titan Pro	TP 56-14 2P	VT2P,DG,B	AC,P5V	114
Channel	215-75STXRIB	STX,B	AC,P5V	115	Titan Pro	TP 68-14 SS	STX,B	AC,P5V	114
Channel	216-36STXRIB	STX,B	AC,P5V	116	Titan Pro	TP 71-12 DG2P	VT2P,DG,B	AC,P2	112
Dyna-Gro	D52VC63	VT2P	AC,P5V	112	Titan Pro	TP 74-12 SS	STX	AC,P5V	112
Dyna-Gro	D54VC52	VT2P	AC,P5V	114	Wyffels	W7456RIB	VT2P,B	AC,P2	112
Federal	6280SSTAX	STX	AC,P5V	112	Wyffels	W7696RIB	VT2P,B	AC,P2	113
Federal	6460SSTAXRIB	STX,B	AC,P5V	114	Wyffels	W7976RIB	VT2P,B	AC,P2	113
Federal	6580SSTAX	STX	AC,P5V	115	Wyffels	W8268RIB	STX,B	AC,P5V	116
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113					
FS InVISION	FS 64R44	3000GT	AVC,C5,Vi	114					
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
Golden Harvest	G11F16-3111A	3111,A	AVC,C5,Vi	111					
Golden Harvest	G12J11-3111A	3111,A	AVC,C5,Vi	112					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Golden Harvest	G14R38-3000GT	3000GT	AVC,C5,Vi	114					
Kruger	K4R-9111	STX,B	AC,P5V	111					
Kruger	K4R-9116	STX,B	AC,P5V	116					
Kruger	K4R-9715	STX,B	AC,P5V	115					
Kruger	K4R-9811	STX,B	AC,P5V	111					
Latham	LH6187VT2ProDG	VT2P,DG	AC,P5V	111					
Latham	LH6224-3120	3120	AVC,C5	112					
Latham	LH6317VT2ProDGRIB	VT2P,DG,B	AC,P2	113					
Latham	LH6425VT2Pro	VT2P	AC,P5V	114					
LG Seeds	LG5606STX	STX	AC,P5V	111					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
LG Seeds	LG5643STXRIB	STX,B	AC,P5V	114					
LG Seeds	LG5650VT2PRIB	VT2P,B	AC,P5V	115					
Miller Hybrids	M15-14BRG	3000GT	CM,C2	115					
NK Brand	NK1284-3000GT	3000GT	AVC,C5,Vi	112					
NuTech	X5NN-1212	3000GT	MQ,P5V,R	112					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	X5FN-1306^	OI	MQ,P1V,R	113					
NuTech/G2 Gen	X5FN-1307^	OI	MQ,P1V,R	113					
NuTech/G2 Gen	X5FN-1512^	OI	MQ,P1V,R	115					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus [®] brand seed is distributed by Burrus. HPT [®] brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPMa [®] brand seed is distributed by AgVenture, Inc. XL [®] and Phoenix [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , Power Plus [®] , RPM [®] , Supreme EX [®] , VPMa [®] and XL [®] are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix [®] are trademarks of Syngenta.
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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

?	information unavailable	In	Intego™ Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	M	Maxim XL [®]
At	Actellic [®]	MQ	Maxim Quattro [®]
AVC	Avicta [®] Complete Corn	None	untreated
C2, C5, C1	Cruiser [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme [®]	R	Raxil [®]
CM	CruiserMaxx [®] Corn	SC	SHIELDCoat™
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

** Seed treatments may include unspecified plant health promoting components.