

2018 Corn Grain Top 30 Harvest Report

Iowa South [IASO] DANVILLE

Parrott Farms, Matt & Tom Parrott, Des Moines County, IA 52623



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

PREV. CROP/HERB: Corn, 2+ Yr / Corvus, atrazine, DiFlexx Duo
 SOIL DESCRIPTION: Taintor silty clay loam, well drained, non-irrigated
 SOIL CONDITION: Minimum w/o fall till, high P, medium K, 5.8 pH, 3.4% OM, 19.6 CEC
 PEST MANAGEMENT: Force, Corvus, atrazine, Capreno
 FERTILITY - Applied N: 175 Fall, 20 Spring
 Applied N-P-K (units): 195-61-20
 SEEDING - RATE - ROW: Apr 29 32,400 /A 30" spacing
 HARVESTED - STAND: Sep 22 33,700 /A

Early-Season Test

106 - 111 Day CRM

B2018IASO32a

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
Wyffels	W6956	VT2P	111	272.7	18.3	1	34.8	798	1
Kruger	K1005DP	VT2P,B	110	251.2	16.4	8	34.4	747	2
Latham	LH5819SSRIB	STX,B	108	241.7	17.9	3	33.4	710	4
Latham	LH5965VT2ProRIB	VT2P,B	109	240.6	16.6	15	33.9	715	3
Champion	61A19VT2ProRIB	VT2P	111	236.6	16.9	5	32.9	701	5
NuTech/G2 Gen	5FB-9909	AM,B	109	234.8	17.1	5	34.8	694	6
Latham	LH6069SSRIB	STX,B	110	234.6	17.3	6	33.4	693	7
Wyffels	W5516RIB	VT2P,B	108	233.4	16.9	7	33.4	691	8
Golden Harvest	G08M20-3010	3010	108	233.0	18.0	8	34.4	684	10
Green Valley	GV8182VT2PRORIB	VT2P,B	111	232.9	17.1	3	33.4	689	9
NuTech/G2 Gen	5FN-8808	OI	108	231.6	17.4	3	32.9	683	11
Kruger	K4R-9608	STX,B	108	228.7	17.4	2	33.4	675	13
Titan Pro	82-09 2P	VT2P,B	109	228.1	16.9	4	33.9	676	12
LG Seeds	LG5606STXRIB	STX,B	111	226.5	17.3	7	33.9	669	17
Kruger	K0807SS	STX,B	108	226.3	16.3	4	33.9	674	14
Channel	210-79STXRIB	STX,B	110	225.9	16.7	4	34.4	670	16
FS InVISION	FS 59VL1 EZR	3220,B	109	225.8	16.8	21	33.9	669	18
NuTech/G2 Gen	5FB-1010	AM,B	110	224.9	17.6	6	33.9	662	19
FS InVISION	FS 60UX1 RIB	STX,B	110	220.6	16.9	8	33.9	654	20
Channel	210-26STXRIB	STX,B	110	219.0	17.5	6	33.4	646	23
Pfister	2545RASS	STX,B	107	218.5	16.6	2	33.4	649	21
FS InVISION	FS 60LX1 RIB	STX,B	110	218.2	17.4	3	33.4	644	27
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	218.1	16.7	6	33.9	647	22
Channel	208-23VT2PRIB	VT2P,B	108	217.9	16.8	6	33.9	646	24
Dyna-Gro	D49VC70	VT2P	109	217.4	16.5	7	32.9	646	25
Renk	RK871VT2P	VT2P,B	111	216.9	16.3	11	33.4	646	26
FS InVISION	FS 57ZX1 RIB	STX,B	107	214.6	16.5	2	33.4	638	29
Pfister	70A1SSR	STX,B	110	214.3	15.9	6	33.4	640	28
Renk	RK877DGV2P	VT2P,DG,B	111	214.2	16.2	7	33.4	638	30
Wyffels	W6896RIB	VT2P,B	110	213.8	16.4	5	33.9	636	31
Pioneer	P1197AMXT CK	AMXT,B	111	227.1	17.2	4	33.9	671	15

Averages = **221.5** **16.9** **7** **33.7** **656**

LSD (0.10) = 14.5 0.6 7

LSD (0.25) = 7.6 0.3 4

C.V. = 6.2 Prev. years average yield, 226.6 bu/a, 5 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 and seedling emergence was very good at this location. ears pollinated very well, August storms with high winds caused some hybrids to lodge. At harvest, stalk quality was poor but roots were strong. Plants were well matured. Ears had strong shanks and cobs which made shelling easy. Tom indicated that area fields with corn on corn 5+ years had lower yields than expected.*

† 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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 Applied N-P-K (units): 195-61-20
 SEEDING - RATE - ROW: Apr 29 32,400 /A 30" spacing
 HARVESTED - STAND: Sep 22 33,700 /A

Full-Season Test
112 - 116 Day CRM
 B2018IASO32b

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
Pfister	2874PCR	PC,B	113	249.6	18.7	22	34.4	728	2
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	114	248.7	17.7	2	33.4	732	1
Wyffels	W7456RIB	VT2P,B	112	241.9	18.0	4	33.4	710	3
Channel	213-19STXRIB	STX,B	113	240.5	19.1	17	32.9	699	4
NuTech/G2 Gen	5FB-4516	AM,B	116	237.3	18.8	1	33.9	692	5
Golden Harvest	G11A33-3111	3111	111	236.7	18.9	1	33.4	689	9
Federal	6680VT2PRIB	VT2P,B	116	236.0	18.5	1	33.4	690	7
Latham	EX6355VT2Pro	VT2P	113	235.5	18.0	5	33.9	691	6
Titan Pro	82-14 2P	VT2P,B	114	232.9	16.9	17	33.4	690	8
Champion	66A18VT2ProRIB	VT2P,B	116	231.9	18.0	4	32.9	681	11
Golden Harvest	G13T41-3010	3010	113	231.7	18.6	3	33.9	677	16
NuTech	5NN-8812	3000GT	112	231.0	17.3	11	32.9	682	10
Channel	215-75STXRIB	STX,B	115	230.9	17.5	6	32.9	681	12
NK Brand	NK1433-3120-EZR	3120,B	114	230.7	17.7	22	33.4	679	14
Kruger	K1204DP	VT2P,B	112	230.2	17.1	9	33.4	681	13
Latham	LH6477VT2Pro	VT2P	114	229.9	18.0	6	33.9	675	17
Champion	CSX65A17VT2ProRIB	VT2P,B	115	226.1	17.6	7	33.9	666	19
FS InVISION	FS 63ZX1 RIB	STX,B	113	225.2	16.8	6	33.4	668	18
Champion	62A18VT2ProRIB	VT2P,B	112	224.7	17.6	10	33.9	662	20
Renk	RK965VT2P	VT2P,B	116	224.1	18.8	5	33.9	653	24
Renk	RK859DGV2P	VT2P,DG,B	112	224.0	17.7	1	33.9	659	21
Dyna-Gro	D55VC45	VT2P	115	223.9	17.8	22	33.4	658	22
Kruger	K1501SS	STX,B	115	223.2	18.8	17	34.4	651	26
Golden Harvest	G13Z50-3110	3110	113	221.6	16.8	18	33.9	657	23
FS InVISION	FS 64SX1 RIB	STX,B	114	221.5	17.5	5	34.4	653	25
Dyna-Gro	D52VC63	VT2P	112	219.4	17.5	6	33.4	647	27
Green Valley	GV8362VT2PRORIB	VT2P,B	113	218.7	17.6	6	33.4	644	28
NuTech/G2 Gen	5FN-2213	OI	113	217.3	17.2	5	34.4	642	29
LG Seeds	LG62C02STX	STX	112	217.2	17.1	5	33.4	642	30
Pfister	72C6SSR	STX,B	112	216.4	16.9	10	33.4	641	31
Pioneer	P1197AMXT CK	AMXT,B	111	230.0	17.3	1	32.9	679	15

Averages = **218.0** **17.6** **10** **33.7** **642**

LSD (0.10) = 20.6 1.1 16

LSD (0.25) = 14.4 0.7 11

C.V. = 7.0 Prev. years average yield, 226.6 bu/a, 5 yrs

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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					

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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	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.