

## 2018 Corn Grain Top 30 Harvest Report

Illinois South [ ILSO ] BELLEVILLE  
John Barttelbort, St. Clair County, IL 62221



Test by: F.I.R.S.T. MSR, Inc., Columbia, MO

PREV. CROP/HERB: Soybean / Prefix, Roundup PowerMax  
SOIL DESCRIPTION: Edwardsville silt loam, moderately drained, non-irrigated  
SOIL CONDITION: Conventional w/o fall till, high P, medium K, 4.9 pH, 2.9% OM, 18.9 CEC  
PEST MANAGEMENT: Acuron, atrazine, Tombstone, Trivapro, Force 3G  
FERTILITY - Applied N: 190 Spring  
Applied N-P-K (units): 190-0-0  
SEDED - RATE - ROW: May 11 32,400 /A 30" spacing  
HARVESTED - STAND: Sep 29 32,000 /A

### Early-Season Test

**107 - 112 Day CRM**  
B2018ILSO01a

### Top 30 of 48

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	5F-308	AM,B	108	<b>240.1</b>	15.7	1	32.0	774	1
Armor	X8111Pro2	VT2P	111	<b>240.1</b>	16.6	2	32.0	767	3
Axis Seed	60K23	VT2P,B	110	<b>237.5</b>	16.1	5	32.0	763	4
Dyna-Gro	D52VC63	VT2P	112	<b>237.2</b>	16.4	6	32.0	759	5
LG Seeds	LG62C02VT2PRO	VT2P	112	<b>236.1</b>	16.2	1	32.0	757	6
Dyna-Gro	D52VC15	VT2P	112	<b>236.1</b>	16.6	1	32.0	754	7
Axis Seed	62A28	VT2P,B	112	<b>233.5</b>	16.9	7	32.0	743	9
Great Heart	HT-7244VT2PRIB	VT2P,B	112	<b>233.4</b>	16.6	4	32.0	745	8
Pioneer	P1197AM GC	AM,B	111	231.5	16.1	6	32.0	743	10
Wyffels	W7576RIB	VT2P,B	112	228.7	16.9	1	31.7	728	16
Golden Harvest	G10T63-3120-EZR	3120,B	110	228.5	16.6	2	32.0	730	13
Wyffels	W6956	VT2P	111	228.4	16.7	2	32.0	729	14
Renk	RK842SSTX	STX	112	227.4	16.8	1	32.3	725	18
Seed Consultants	SCS 1105YHR	OI	110	226.9	16.5	10	32.0	726	17
NuTech/G2 Gen	5FB-9909	AM,B	109	226.6	15.4	13	32.0	733	12
NuTech/G2 Gen	5FN-8808	OI	108	226.5	15.3	4	32.0	734	11
Pfister	68A1PE	PC,E	108	226.5	15.9	1	32.0	729	15
Wyffels	W6898RIB	STX,B	112	225.9	16.4	2	32.0	723	19
FS InVISION	FS 60LX1 RIB	STX,B	110	223.8	16.1	5	31.7	719	20
Seed Consultants	SCS 1125YHR	OI	112	223.7	16.5	9	32.0	715	21
Stone	6182RIB	VT2P,B	111	223.5	16.9	9	32.0	712	23
Great Heart	HT-7026SSRIB	STX,B	110	223.5	17.1	2	32.0	710	24
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	222.5	16.2	1	32.3	714	22
NuTech/G2 Gen	5FB-1010	AM,B	110	221.8	16.6	20	32.0	708	25
NK Brand	NK1066-3120-EZR	3120,B	110	221.1	16.9	2	32.0	704	26
NuTech	5NN-8812	3000GT	112	220.3	16.7	2	32.0	703	27
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	218.2	16.0	9	32.0	702	28
Epley	E2201GTCBLL	3010	112	217.7	16.7	6	32.0	695	31
Pfister	71C1PCR	PC,B	111	217.4	15.9	9	32.0	700	29
LG Seeds	LG5606STXRIB	STX,B	111	216.7	16.1	5	32.0	696	30
Pioneer	P1366AM CK	AM,B	113	<b>241.0</b>	16.4	4	32.0	771	2

Averages = **220.8** **16.3** **5** **32.0** **707**

LSD (0.10) = 12.0 0.4 8

LSD (0.25) = 6.3 0.2 4

C.V. = 5.2 Prev. years average yield, 189.8 bu/a, 16 yrs

*William C. Schelp*

William Schelp

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**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.25; non-GMO = \$3.25

**Test Comments:** *Near perfect stands after planting. John said, "Good rainfall at critical times. Was a good weather year to put on fungicides." Goosenecked corn and greensnap was observed mid-summer after a strong storm blew through in June. Plots with greensnapped plants were visible while harvesting. The vast majority of hybrids had excellent stalk strength and quality. Several products stood up well.*

† 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: 10/01/2018 Revised:

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PEST MANAGEMENT: Acuron, atrazine, Tombstone, Trivapro, Force 3G  
FERTILITY - Applied N: 190 Spring  
Applied N-P-K (units): 190-0-0  
SEEDING - RATE - ROW: May 11 32,400 /A 30" spacing  
HARVESTED - STAND: Sep 29 32,000 /A

**Full-Season Test**  
**113 - 117 Day CRM**  
B2018ILSO01b

## Top 30 of 48

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	75Y1PCR	PC,B	115	<b>251.4</b>	17.7	6	32.0	793	1
Renk	RK945DGVT2P	VT2P,DG	115	<b>249.3</b>	17.1	1	32.0	792	2
Stone	6542RIB	VT2P,B	115	<b>248.4</b>	17.7	1	32.0	784	4
Great Heart	HT-7425DGV2PRIB	VT2P,DG,B	114	<b>247.0</b>	17.1	1	32.0	785	3
Dyna-Gro	D55VC45	VT2P	115	<b>246.4</b>	17.4	4	32.0	780	5
NuTech/G2 Gen	5FB-4516	AM,B	116	<b>243.7</b>	17.5	1	32.0	771	6
Armor	1447Pro2	VT2P	114	<b>241.5</b>	16.8	1	32.0	770	7
NK Brand	NK1573-3110	3110	115	<b>239.2</b>	17.5	1	32.0	756	8
NuTech/G2 Gen	5FN-2213	OI	113	236.1	16.6	11	32.0	754	9
Great Heart	HT-7302VT2PRIB	VT2P,B	113	234.7	16.8	4	32.0	748	11
Wyffels	W7696RIB	VT2P,B	113	234.7	17.1	4	32.3	746	12
Dyna-Gro	D54VC14	VT2P	114	234.2	16.9	1	32.0	746	13
Wyffels	W8646RIB	VT2P,B	116	234.2	17.4	6	31.7	741	16
LG Seeds	LG5643VT2RIB	VT2P,B	114	234.1	17.2	9	32.0	743	15
Renk	RK937SSTX	STX	113	233.7	16.3	1	31.7	749	10
Dekalb	DKC64-35RIB GC	VT2P,B	114	233.0	17.3	1	32.0	738	17
Stone	6622RIB	VT2P,B	116	231.1	17.7	1	32.0	729	20
FS InVISION	FS 64SV1 RIB	VT2P,B	114	229.6	16.5	3	32.0	734	18
Axis Seed	EXP 3B413A	VT2P	113	229.3	16.8	5	32.0	731	19
Golden Harvest	G13M88-3110	3110	113	228.5	16.8	2	32.0	728	21
Stone	6362RIB	VT2P,B	113	227.4	16.9	1	32.0	724	22
Axis Seed	66R25RIB	STX,B	116	227.3	18.0	1	32.0	715	27
Great Heart	HT-7486SSRIB	STX,B	114	226.9	17.5	1	32.0	718	25
Seed Consultants	SCS 1168YHR	OI	116	226.5	17.1	18	32.0	719	24
Golden Harvest	G15L32-3110	3110	115	225.8	18.6	1	32.0	705	31
Wyffels	W7976RIB	VT2P,B	113	225.6	17.1	9	32.3	717	26
Seed Consultants	SCS 1139YHR	OI	113	225.3	16.5	15	32.0	720	23
Pfister	77C1SE	STX,E	117	223.9	17.6	1	32.0	707	29
NuTech/G2 Gen	5FB-6313	AM,B	113	222.7	16.5	4	32.0	712	28
Wyffels	W7888RIB	STX,B	114	222.4	17.0	5	32.0	707	30
Pioneer	P1366AM CK	AM,B	113	233.8	16.8	1	32.0	745	14

Averages = **225.2** **17.3** **4** **32.0** **714**

LSD (0.10) = 13.5 0.7 7

LSD (0.25) = 7.1 0.3 4

C.V. = 5.7 Prev. years average yield, 189.8 bu/a, 16 yrs

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.25; non-GMO = \$3.25

**Test Comments:** *Near perfect stands after planting. John said, "Good rainfall at critical times. Was a good weather year to put on fungicides." Goosenecked corn and greensnap was observed mid-summer after a strong storm blew through in June. Plots with greensnapped plants were visible while harvesting. The vast majority of hybrids had excellent stalk strength and quality. Several products stood up well.*

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**Early-Season Test Products (48 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Armor	0887Pro2	VT2P	AC,P5V	108	Wyffels	W6956	VT2P	AC,P5V	111
Armor	1227Pro2	VT2P	AC,P5V	112	Wyffels	W7456RIB	VT2P,B	AC,P5V	112
Armor	X8111Pro2	VT2P	AC,P5V	111	Wyffels	W7576RIB	VT2P,B	AC,P5V	112
Axis Seed	57A25RIB	VT2P,B	AC,P2	107					
Axis Seed	60K23	VT2P,B	AC,P2	110					
Axis Seed	62A28	VT2P,B	AC,P2	112					
Dekalb	DKC60-88RIB GC	VT2P,B	AC,P2	110					
Dyna-Gro	D52VC15	VT2P	AC,P5V	112					
Dyna-Gro	D52VC63	VT2P	AC,P5V	112					
Epley	E2001GTCBLL	3010	MQ	110					
Epley	E2201GTCBLL	3010	MQ	112					
FS InVISION	FS 60LX1 RIB	STX,B	AC,P5V	110					
FS InVISION	FS 60UX1 RIB	STX,B	AC,P5V	110					
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	AC,P2	112					
FS InVISION	FS 62ZX1 RIB	STX,B	AC,P5V	112					
Golden Harvest	G08D29-3120A-EZR	3120,A,B	AVC,C5,Vi	108					
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
Golden Harvest	G10T63-3120-EZR	3120,B	AVC,C5,Vi	110					
Golden Harvest	G11A33-3111	3111	AVC,C5,Vi	111					
Great Heart	HT-7026SSRIB	STX,B	AC,P5V	110					
Great Heart	HT-7244VT2PRIB	VT2P,B	AC,P5V	112					
LG Seeds	LG5606STXRIB	STX,B	AC,P5V	111					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
LG Seeds	LG62C02VT2PRO	VT2P	AC,P5V	112					
NK Brand	NK1066-3120-EZR	3120,B	AVC,C5,Vi	110					
NuTech	5NN-8812	3000GT	CM,C2,R,Lu,l	112					
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	68A1PE	PC,E	CM,C5,Vi,ln	108					
Pfister	69D3RR	RR2	CM,C5,Vi,ln	109					
Pfister	69E2SSR	STX,B	CM,C5,Vi,ln	109					
Pfister	71C1PCR	PC,B	CM,C5,Vi,ln	111					
Pioneer	P1197AM GC	AM,B	MQ,P1V,R	111					
Pioneer	P1366AM CK	AM,B	MQ,P1V,R	113					
Renk	RK815SSTX	STX,B	AC,P2	110					
Renk	RK842SSTX	STX	AC,P5V	112					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Seed Consultants	SCS 1087YHR	OI	MQ,P1V,R	108					
Seed Consultants	SCS 1098YHR	OI	MQ,P1V,R	109					
Seed Consultants	SCS 1105YHR	OI	MQ,P1V,R	110					
Seed Consultants	SCS 1125YHR	OI	MQ,P1V	112					
Stone	6182RIB	VT2P,B	AC,P2	111					
Wyffels	W6898RIB	STX,B	AC,P5V	112					

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**Full-Season Test Products (48 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Armor	1447Pro2	VT2P	AC,P2	114	Wyffels	W7888RIB	STX,B	AC,P5V	114
Axis Seed	65H25	VT2P,B	AC,P2	115	Wyffels	W7976RIB	VT2P,B	AC,P5V	113
Axis Seed	66R25RIB	STX,B	AC,P5V	116	Wyffels	W8646RIB	VT2P,B	AC,P5V	116
Axis Seed	EXP 3B413A	VT2P	AC,P5V	113					
Dekalb	DKC64-35RIB GC	VT2P,B	AC,P2	114					
Dyna-Gro	D54VC14	VT2P	AC,P5V	114					
Dyna-Gro	D55VC45	VT2P	AC,P5V	115					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64SV1 RIB	VT2P,B	AC,P2	114					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
FS InVISION	FS 67SV1 RIB	VT2P,B	AC,P2	117					
Golden Harvest	G13M88-3110	3110	AVC,C5,Vi	113					
Golden Harvest	G14V04-3120-EZR	3120,B	AVC,C5,Vi	114					
Golden Harvest	G15L32-3110	3110	AVC,C5,Vi	115					
Golden Harvest	G18D87-3111	3111	AVC,C5,Vi	118					
Great Heart	HT-7302VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7381VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7425DGV2PRIB	VT2P,DG,B	AC,P5V	114					
Great Heart	HT-7486SSRIB	STX,B	AC,P5V	114					
LG Seeds	LG5643VT2RIB	VT2P,B	AC,P5V	114					
LG Seeds	LG5650STXRIB	STX,B	AC,P5V	115					
LG Seeds	LG5663VT2RIB	VT2P,B	AC,P5V	115					
NK Brand	NK1433-3120-EZR	3120,B	AVC,C5,Vi	114					
NK Brand	NK1573-3110	3110	AVC,C5,Vi	115					
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					
Pfister	74D2PE	PC,E	CM,C5,Vi,In	114					
Pfister	75Y1PCR	PC,B	CM,C5,Vi,In	115					
Pfister	77C1SE	STX,E	CM,C1	117					
Pioneer	P1366AM CK	AM,B	MQ,P1V,R	113					
Renk	RK937SSTX	STX	AC,P5V	113					
Renk	RK945DGV2P	VT2P,DG	AC,P2	115					
Renk	RK961VT2P	VT2P,B	AC,P2	116					
Renk	RK965VT2P	VT2P,B	AC,P2	116					
Seed Consultants	SCS 1139YHR	OI	MQ,P5V,R	113					
Seed Consultants	SCS 1158YHR	OI	MQ,P1V,R	115					
Seed Consultants	SCS 1168YHR	OI	MQ,P1V,R	116					
Stone	6362RIB	VT2P,B	AC,P2	113					
Stone	6542RIB	VT2P,B	AC,P2	115					
Stone	6622RIB	VT2P,B	AC,P2	116					
Stone	6712RIB	VT2P,B	AC,P2	117					
Wyffels	W7696RIB	VT2P,B	AC,P5V	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.