

2017 Corn Grain Top 30 Harvest Report

Illinois South [ILSO] BELLEVILLE

John (Don) Barttelbort, St. Clair County, IL 62224



Test by: 3rd Party Comparisons, LLC, Owaneco, IL

PREV. CROP/HERB: Soybean / Roundup, 2,4-D, Canopy, Boundary, Roundup, Flexstar GT
 SOIL DESCRIPTION: Muscatine silt loam, moderately drained, non-irrigated
 SOIL CONDITION: Minimum w/ fall till, very high P, very high K, 6.1 pH, 2.1% OM, 11.3 CEC
 PEST MANAGEMENT: Acuron, atrazine, Tombstone, Trivapro
 FERTILITY - Applied N: 190 Spring
 Applied N-P-K (units): 190-0-0
 SEEDING - RATE - ROW: May 26 38,100 /A 30" spacing
 HARVESTED - STAND: Oct 13 37,700 /A

Early-Season Test

107 - 112 Day CRM

B2017ILSO25a

Top 30 of 48

For Gross Income (Sorted by Yield)

Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech/G2 Gen	X5FN-0909^	OI	109	262.3	18.4	0	37.8	801	2
Wyffels	W7576	VT2P	112	259.5	19.5	1	37.8	786	4
Renk	RK859DGV2P	VT2P,DG	112	258.1	18.7	0	37.8	787	3
Wyffels	W6946DGRIB	VT2P,DG,B	111	257.8	18.6	0	37.8	786	5
Augusta	A4658GT3110	3110	108	257.2	19.1	0	37.3	781	6
Sun Prairie	SP2785GSS	STX	112	256.0	19.8	0	37.8	773	8
Renk	RK871VT2P	VT2P,B	111	255.1	18.7	1	37.3	777	7
Renk	RK842SSTX	STX	112	253.7	19.2	0	37.8	770	9
Wyffels	W7456RIB	VT2P,B	112	252.8	20.3	0	37.3	760	13
LG Seeds	LG5618STXRIB	STX,B	112	252.6	20.0	0	37.8	762	10
NK Brand	NK1103-3111A	3111,A	111	251.3	19.4	0	37.8	761	12
Great Heart	HT-7026VT2P	VT2P	110	250.7	19.6	0	37.3	758	14
FS InVISION	FS 60QV1 RIB	VT2P,B	110	250.4	18.9	0	37.8	762	11
Dekalb	DKC62-97RIB GC	VT3P,B	112	250.3	19.5	0	37.8	758	15
Dairyland	DS-9412SSX	STX	112	250.1	20.1	0	37.8	753	16
LG Seeds	LG5606STX	STX	111	248.2	19.5	0	37.8	751	17
Stone	6182RIB	VT2P,B	111	248.2	20.1	0	37.8	748	18
Dekalb	DKC60-67RIB GC	STX,B	110	246.5	19.4	0	37.8	747	19
Dyna-Gro	D52VC63	VT2P	112	245.6	20.3	0	37.8	739	22
NuTech/G2 Gen	5F-308^	AM,B	108	243.2	18.9	0	37.8	740	21
Pioneer	P0825AMXT GC	AMXT,B	108	242.5	18.9	0	37.8	738	23
LG Seeds	LG5590VT2P	VT2P	110	242.1	18.2	0	37.3	741	20
Golden Harvest	G09A86-3111	3111	109	241.4	18.4	0	37.8	737	24
Golden Harvest	G10T63-3000GT	3000GT	110	241.2	20.0	0	37.8	727	27
Pfister	70A1SSR	STX,B	110	240.8	19.2	0	37.8	731	26
Dyna-Gro	D50VC30	VT2P	110	240.7	18.1	0	37.8	737	25
Wyffels	W6898	STX	112	240.5	20.2	0	37.8	724	29
Dekalb	DKC60-87RIB GC	STX,B	110	238.5	19.7	0	37.8	721	31
Augusta	A1059GT3111	3111	109	237.4	18.3	0	37.8	726	28
Renk	RK877DGV2P	VT2P,DG,B	111	237.3	18.5	0	37.3	724	30
Pioneer	P1197AMXT CK	AMXT,B	111	267.9	19.0	0	37.8	814	1

Averages = **242.9** **19.2** **0** **37.7** **737**

LSD (0.10) = 9.8 0.7 1

LSD (0.25) = 5.2 0.3 0

C.V. = 4.4 Prev. years average yield, 182.9 bu/a, 15 yrs

Eric Beyers

ewbeye@hotmail.com, (217) 825-9072

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.14; non-GMO = \$3.14

Test Comments: *This site had excellent seedling emergence. John's use of a fungicide helped this plot stay healthy and green. Plant height ranged from 8-10' tall. Kernel depth was 1/5" and of excellent quality. John talked about how variable the summer rains were on his fields. One field would receive an inch of rain while another field a half mile away only got a tenth or two.*

† 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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 HARVESTED - STAND: Oct 13 37,700 /A

Full-Season Test
113 - 117 Day CRM
 B2017ILSO25b

Top 30 of 48

For Gross Income (Sorted by Yield)

Average of (4) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Wyffels	W7696RIB	VT2P,B	113	275.4	20.3	0	37.8	828	1
Stone	6362RIB	VT2P,B	113	274.6	21.1	0	37.8	820	3
LG Seeds	LG5643VT2PRIB	VT2P,B	114	272.5	20.0	0	37.8	822	2
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	271.2	21.3	0	37.8	809	4
NuTech/G2 Gen	X5FN-1306^	OI	113	268.0	21.0	0	37.8	801	6
Great Heart	HT-7302VT2P	VT2P	113	267.8	20.4	0	37.3	805	5
FS InVISION	FS 63ZX1 RIB	STX,B	113	267.3	21.1	0	37.8	799	7
Golden Harvest	G13M88-3110	3110	113	266.3	20.9	0	37.8	797	8
Wyffels	W7888RIB	STX,B	114	265.0	21.3	0	37.8	790	10
Dyna-Gro	D54VC52	VT2P	114	264.7	21.7	0	37.8	787	12
LG Seeds	LG5650VT2PRIB	VT2P,B	115	263.1	20.8	0	38.3	788	11
Golden Harvest	G16K01-3111	3111	116	262.8	23.9	0	37.3	767	21
Dyna-Gro	D55VC45	VT2P	115	262.3	22.1	0	37.8	777	15
Stone	6452RIB	VT2P,B	114	261.7	20.4	0	37.8	786	13
Great Heart	HT-7486SS	STX	114	260.8	22.4	0	37.8	771	19
Dairyland	DS-7513	PC	113	260.7	24.8	0	37.3	755	26
Renk	RK961VT2P	VT2P,B	116	260.6	19.9	0	37.8	786	14
NuTech/G2 Gen	X5FN-1512^	OI	115	260.1	21.5	0	37.8	774	16
Stone	6712RIB	VT2P,B	117	259.7	21.5	0	37.8	773	18
Golden Harvest	G18D87-3111	3111	118	259.0	22.8	0	37.8	763	23
Renk	RK924DGV2P	VT2P,DG,B	114	258.7	20.9	0	37.8	774	17
Pioneer	P1422AM GC	AM,B	114	257.2	21.0	0	37.8	769	20
NuTech/G2 Gen	5F-713^	AM,B	113	256.7	21.2	0	37.8	766	22
LG Seeds	LG5663VT2PRIB	VT2P,B	115	255.3	21.2	0	37.8	762	24
Stone	6532RIB	VT2P,B	115	252.8	20.6	0	37.8	758	25
Great Heart	HT-7381VT2PRIB	VT2P,B	113	252.7	21.8	0	37.8	751	27
Renk	RK941SSTX	STX,B	114	251.9	21.7	0	37.8	749	29
Dekalb	DKC64-87RIB GC	STX,B	114	250.0	21.2	0	37.3	746	30
Pioneer	P1311AM GC	AM,B	113	249.3	21.1	1	37.3	745	31
Dekalb	DKC63-33RIB GC	STX,B	113	248.1	19.7	0	37.8	750	28
Pioneer	P1197AMXT CK	AMXT,B	111	262.5	20.0	0	37.8	791	9

Averages = **253.7** **21.7** **0** **37.7** **754**

LSD (0.10) = 10.7 0.7 ns

Eric Beyers LSD (0.25) = 5.6 0.4 ns

ewbeye@hotmail.com, (217) 825-9072 C.V. = 4.6 Prev. years average yield, 182.9 bu/a, 15 yrs

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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
Augusta	A1059GT3111	3111	AVC,C5	109	Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111
Augusta	A4658GT3110	3110	CM,C2	108	Wyffels	W7456RIB	VT2P,B	AC,P2	112
Augusta	A5162GT3000	3000GT	AVC,C5	112	Wyffels	W7576	VT2P	AC,P5V	112
Dairyland	DS-9412SSX	STX	CM,C5,Vi,In	112					
Dairyland	DS-9510SSX	STX	CM,C5,Vi,In	110					
Dekalb	DKC56-45RIB GC	STX,B	AC,P5V	106					
Dekalb	DKC60-67RIB GC	STX,B	AC,P5V	110					
Dekalb	DKC60-87RIB GC	STX,B	AC,P5V	110					
Dekalb	DKC62-97RIB GC	VT3P,B	AC,P2	112					
Dyna-Gro	D50VC30	VT2P	AC,P5V	110					
Dyna-Gro	D52VC63	VT2P	AC,P5V	112					
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
FS InVISION	FS 61SX1 RIB	STX,B	AC,P5V	111					
FS InVISION	FS 62R44	3000GT	AVC,C5,Vi	112					
Golden Harvest	G07B39-3111A	3111,A	AVC,C5,Vi	109					
Golden Harvest	G09A86-3111	3111	AVC,C5,Vi	109					
Golden Harvest	G10T63-3000GT	3000GT	AVC,C5,Vi	110					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Great Heart	HT-6912SSRIB	STX,B	AC,P5V	109					
Great Heart	HT-7026VT2P	VT2P	AC,P5V	110					
Great Heart	HT-7181SSRIB	STX,B	AC,P5V	111					
Great Heart	HT-7238DGV2PRIB	VT2P,DG,B	AC,P5V	112					
LG Seeds	LG5590VT2P	VT2P	AC,P5V	110					
LG Seeds	LG5606STX	STX	AC,P5V	111					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
NK Brand	NK1103-3111A	3111,A	AVC,C5,Vi	111					
NuTech	X5NN-1212	3000GT	MQ,P5V,R	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	X5FN-0909^	OI	MQ,P1V,R	109					
Pfister	68A1RR	RR2	CM,C2	108					
Pfister	69E2SS	STX	CM,C5,Vi,In	109					
Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110					
Pfister	72C6SS	STX	CM,C1,Vi,In	112					
Pioneer	P0506AM GC	AM,AQ,B	MQ,P1V	105					
Pioneer	P0825AMXT GC	AMXT,B	MQ,C2,Lu	108					
Pioneer	P1197AMXT CK	AMXT,B	MQ,C2	111					
Renk	RK842SSTX	STX	AC,P5V	112					
Renk	RK859DGV2P	VT2P,DG	AC,P5V	112					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111					
Stone	6182RIB	VT2P,B	AC,P5V	111					
Sun Prairie	SP2785GSS	STX	AC,P5V	112					
Wyffels	W6898	STX	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
Augusta	A5664GT3000	3000GT	CM,C1	114	Wyffels	W7888RIB	STX,B	AC,P5V	114
Dairyland	DS-7513	PC	CM,C1,Vi,In	113	Wyffels	W8268RIB	STX,B	AC,P5V	116
Dairyland	DS-9314SSX	STX	CM,C5,Vi,In	114	Wyffels	W8646	VT2P	AC,P5V	116
Dekalb	DKC63-33RIB GC	STX,B	AC,P5V	113					
Dekalb	DKC64-34RIB GC	STX,B	AC,P5V	114					
Dekalb	DKC64-87RIB GC	STX,B	AC,P5V	114					
Dyna-Gro	D54VC52	VT2P	AC,P5V	114					
Dyna-Gro	D55VC45	VT2P	AC,P5V	115					
FS InVISION	FS 63ZX1 RIB	STX,B	AC,P5V	113					
FS InVISION	FS 64R44	3000GT	AVC,C5,Vi	114					
FS InVISION	FS 66TX1 RIB	STX,B	AC,P5V	116					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
Golden Harvest	G13M88-3110	3110	AVC,C5,Vi	113					
Golden Harvest	G14V04-3000GT	3000GT	AVC,C5,Vi	114					
Golden Harvest	G16K01-3111	3111	AVC,C5,Vi	116					
Golden Harvest	G18D87-3111	3111	AVC,C5,Vi	118					
Great Heart	HT-7302VT2P	VT2P	AC,P5V	113					
Great Heart	HT-7342SS	STX	AC,P5V	113					
Great Heart	HT-7381VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7486SS	STX	AC,P5V	114					
LG Seeds	LG5643VT2PRIB	VT2P,B	AC,P5V	114					
LG Seeds	LG5650VT2PRIB	VT2P,B	AC,P5V	115					
LG Seeds	LG5663VT2PRIB	VT2P,B	AC,P5V	115					
NK Brand	NK1808-3111	3111	AVC,C5,Vi	118					
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					
Pfister	2874SSR	STX,B	CM,C5,Vi,In	113					
Pfister	3488PCR	PC,B	CM,C5,Vi,In	115					
Pfister	69D3VX	HXT,RR2	CM,C1,Vi,In	109					
Pfister	73A2SSR	STX,B	CM,C5,Vi,In	113					
Pioneer	P1197AMXT CK	AMXT,B	MQ,C2	111					
Pioneer	P1311AM GC	AM,B	MQ,P1V	113					
Pioneer	P1422AM GC	AM,B	MQ,P1V	114					
Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114					
Renk	RK941SSTX	STX,B	AC,P5V	114					
Renk	RK961VT2P	VT2P,B	AC,P2	116					
Renk	RK965SSTX	STX	AC,P5V	116					
Stone	6362RIB	VT2P,B	AC,P5V	113					
Stone	6452RIB	VT2P,B	AC,P5V	114					
Stone	6532RIB	VT2P,B	AC,P5V	115					
Stone	6712RIB	VT2P,B	AC,P5V	117					
Sun Prairie	SPX7855GSS	STX	AC,P5V	113					
Wyffels	W7696RIB	VT2P,B	AC,P2	113					

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. VPM [®] 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 [®] , VPM [®] 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.