

# 2016 Corn Grain Top 30 Harvest Report

Missouri Northeast [ MONE ] PALMYRA  
Shawn Kiefaber, Marion County, MO 63461



Test by: F.I.R.S.T. NCB, Inc., Lanark, IL

PREV. CROP/HERB: Corn, 2+ yr / Bicep II Magnum, Hornet  
SOIL DESCRIPTION: Belknap/Fatima silt loam, mod. well drained, non-irrigated  
SOIL CONDITION: Conventional w/o fall till, high P, high K, 5.7 pH, 2.5% OM  
PEST MANAGEMENT: Lexar, Tombstone, Force  
FERTILITY - Applied N: 200 Spring  
Applied N-P-K (units): 200-80-80  
SEEDING - RATE - ROW: Apr 15 32,500 /A 30" spacing  
HARVESTED - STAND: Sep 28 32,600 /A

## Early-Season Test

**107 - 112 Day CRM**  
B2016MONE24a

## 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
Pfister	69B1VX	HXT,RR2	109	<b>219.5</b>	14.8	1	33.5	702	1
Wyffels	W6946DGRIB	VT2P,DG,B	111	<b>215.8</b>	14.8	2	32.5	691	2
Wyffels	W7456RIB	VT2P,B	112	<b>215.2</b>	15.0	1	34.4	689	3
Golden Harvest	G07B39-3111A	3111,A	109	<b>209.8</b>	14.5	2	29.7	671	4
Pioneer	P1197AMXT GC	AMXT,B	111	208.7	14.3	3	33.5	668	5
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	208.5	15.2	2	32.5	666	6
Golden Harvest	G07F23-3111	3111	107	208.0	14.2	1	32.5	666	7
NK Brand	N66V-3000GT	3000GT	110	207.9	15.6	1	32.5	662	8
NuTech	X5V-0707	3111	107	206.7	14.4	1	32.5	661	9
Becks	6225HR^	HX,RR2	112	204.2	16.0	2	35.3	647	11
NuTech/G2 Gen	X5Z-1001^	OI	110	201.8	15.0	5	33.5	646	12
LG Seeds	LG5607VT2PRIB	VT2P,B	111	201.1	15.3	1	30.7	642	14
NuTech/G2 Gen	5F-710^	AM,B	110	200.9	14.0	1	34.4	643	13
Golden Harvest	G11F16-3111A	3111,A	111	198.8	14.4	1	32.5	636	15
LG Seeds	LG5618STXRIB	STX,B	112	198.3	15.0	1	31.6	635	16
NK Brand	N70J-3111A	3111,A	112	198.1	15.2	2	33.5	633	17
Renk	RK871VT2P	VT2P,B	111	197.4	14.9	1	34.4	632	18
FS InVISION	FS 60QV1 RIB	VT2P,B	110	196.9	14.6	1	31.6	630	19
Becks	6158AM^	AM,B	111	195.8	14.6	1	31.6	627	20
Lewis	RD1511VT2P	VT2P,DG,B	111	195.5	15.6	1	30.7	622	22
Renk	RK815SSTX	STX	111	195.4	15.3	2	31.6	624	21
FS InVISION	FS 61SV1 RIB	VT2P,B	111	194.3	15.2	1	32.5	621	23
NuTech/G2 Gen	5F-510^	AM,B	110	193.6	15.6	8	32.5	616	25
FS InVISION	FS 60LX1	STX	110	193.5	14.8	2	31.6	619	24
Golden Harvest	G12W66-3000GT	3000GT	112	191.9	15.0	4	32.5	614	26
Renk	RK877DGV2P	VT2P,DG,B	111	190.7	14.5	1	30.7	610	27
Dekalb	DKC61-54RIB GC	STX,B	111	190.4	15.0	2	31.6	609	28
Augusta	A5062GT3110	3110	112	189.5	14.9	1	32.5	606	29
Renk	RK810SSTX	STX,B	110	189.5	15.1	4	35.3	606	30
LG Seeds	LG5548STXRIB	STX,B	108	187.7	14.7	1	34.4	601	31
Pioneer	P1257AMXT CK	AMXT,B	112	205.8	14.9	2	31.6	659	10

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Averages =	<b>194.0</b>	<b>15.0</b>	<b>2</b>	<b>32.6</b>	<b>619</b>
LSD (0.10) =	15.1	1.1	3		
LSD (0.25) =	10.5	0.7	2		
C.V. =	5.7	Prev. years average yield, 194.9 bu/a, 5 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.20; non-GMO = \$3.20

**Test Comments:** *Planting was timely and the tests had very consistent and even plant emergence. During the growing season the plot progressed nicely with good timely rains and good weather, except for a 2 week late June hot and dry spell. There was a moderate to severe infestation of diplodia ear rot on most hybrids. Shawn commented that area producers were being docked significantly at local elevators.*

† 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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SOIL CONDITION: Conventional w/o fall till, high P, high K, 5.7 pH, 2.5% OM  
PEST MANAGEMENT: Lexar, Tombstone, Force  
FERTILITY - Applied N: 200 Spring  
Applied N-P-K (units): 200-80-80  
SEEDING - RATE - ROW: Apr 15 32,500 /A 30" spacing  
HARVESTED - STAND: Sep 28 33,200 /A

**Full-Season Test**  
**113 - 116 Day CRM**  
B2016MONE24b

**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
NuTech/G2 Gen	X5Z-1509^	OI	115	<b>239.6</b>	16.0	13	31.6	760	1
Kruger	K4R-9116	STX,B	116	<b>228.9</b>	17.1	1	32.5	718	2
Kruger	KR-4917	VT2P,B	116	<b>226.5</b>	16.2	1	32.5	717	3
Wyffels	W8268	STX	116	225.2	15.8	1	34.4	715	4
Wyffels	W8918	STX	116	223.9	15.7	1	33.5	712	5
Lewis	R1414SS	STX,B	114	221.0	16.5	1	35.3	697	8
FS InVISION	FS 64SX1 RIB	STX,B	114	220.2	15.4	1	35.3	702	6
FS InVISION	FS 66ZV1	VT2P	116	219.7	16.3	1	32.5	694	12
Wyffels	W7696RIB	VT2P,B	113	219.5	15.4	6	33.5	700	7
Wyffels	W7888RIB	STX,B	114	219.3	16.0	1	33.5	695	10
LG Seeds	LG5643STX	STX	114	219.1	15.6	1	33.5	697	9
Renk	RK924DGV2P	VT2P,DG,B	114	218.0	15.8	1	34.4	692	13
NuTech/G2 Gen	5F-713^	AM,B	113	217.3	14.9	2	34.4	695	11
NuTech/G2 Gen	5F-515^	AM,B	115	216.4	16.4	5	33.5	683	15
Golden Harvest	G18D87-3000GT	3000GT	118	215.7	16.2	1	32.5	682	16
Epley	E2305RR	RR2	113	214.9	15.2	2	33.5	686	14
LG Seeds	LG5663VT2PRIB	VT2P,B	115	213.3	16.4	1	31.6	674	18
Renk	RK935SSTX	STX,B	114	211.1	14.9	2	34.4	676	17
Pioneer	P1417AMX GC	AMX,B	114	211.0	15.9	3	36.2	670	19
Becks	6365AM^	AM,B	113	208.6	15.6	6	35.3	664	20
Dekalb	DKC63-60RIB GC	STX,B	113	208.1	15.8	1	33.5	661	22
LG Seeds	LG5701VT2PRIB GC	VT2P,B	116	207.6	16.0	3	36.2	658	24
Golden Harvest	G16K01-3111	3111	116	206.6	15.4	2	30.7	659	23
LG Seeds	LG5650STX	STX	114	206.6	15.6	1	33.5	657	25
Pioneer	P1311AMXT GC	AMXT,B	113	205.2	15.3	4	29.7	655	26
Dekalb	DKC64-87RIB GC	STX,B	114	204.1	15.1	1	30.7	653	27
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	204.1	15.4	1	38.1	651	28
Becks	6589V2P	VT2P,B	115	203.5	15.5	1	30.7	648	29
Prairie Brand	6394RA	STX,B	114	203.2	15.4	1	31.6	648	30
Prairie Brand	6305RA	STX,B	113	202.5	14.9	2	32.5	648	31
Pioneer	P1257AMXT CK	AMXT,B	112	207.6	15.0	5	36.2	664	21

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Averages =	<b>207.3</b>	<b>15.7</b>	<b>2</b>	<b>33.2</b>	<b>659</b>
LSD (0.10) =	19.2	1.0	4		
LSD (0.25) =	13.3	0.7	3		
C.V. =	6.8	Prev. years average yield, 194.9 bu/a, 5 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.030 Prices: GMO = \$3.20; non-GMO = \$3.20

**Test Comments:** *Planting was timely and the tests had very consistent and even plant emergence. During the growing season the plot progressed nicely with good timely rains and good weather, except for a 2 week late June hot and dry spell. There was a moderate to severe infestation of diplodia ear rot on most hybrids. Shawn commented that area producers were being docked significantly at local elevators.*

† 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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**Early-Season Test Products (45 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6441STXRIB GC	STX,B	AC,P5V	109					
AgriGold	A6462STXRIB GC	STX,B	AC,P5V	110					
Augusta	A1108VT2ProRIB	VT2P,B	AC,P2	108					
Augusta	A5062GT3110	3110	AVC,C5	112					
Augusta	A5658GT3000	3000GT	CM,C2	108					
Becks	5828AM^	AM,AQ,B	Es	110					
Becks	6076V2P	VT2P,B	Es	110					
Becks	6158AM^	AM,B	Es	111					
Becks	6225HR^	HX,RR2	Es	112					
Dekalb	DKC58-06RIB GC	STX,B	AC,P5V	108					
Dekalb	DKC61-54RIB GC	STX,B	ACHD,P5V	111					
FS InVISION	FS 60LX1	STX	AC,P5V	110					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
FS InVISION	FS 61SV1 RIB	VT2P,B	AC,P2	111					
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	AC,P2	112					
Golden Harvest	G07B39-3111A	3111,A	AVC,C2,Vi	109					
Golden Harvest	G07F23-3111	3111	AVC,C2,Vi	107					
Golden Harvest	G11F16-3111A	3111,A	AVC,C5,Vi	111					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Lewis	RD1511VT2P	VT2P,DG,B	AC,P5V	111					
LG Seeds	LG5548STXRIB	STX,B	AC,P5V	108					
LG Seeds	LG5607VT2PRIB	VT2P,B	AC,P5V	111					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
NK Brand	N66V-3000GT	3000GT	AVC,C5,Vi	110					
NK Brand	N70J-3111A	3111,A	AVC,C5,Vi	112					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	X5V-0707	3111	AVC,C2,Vi	107					
NuTech/G2 Gen	5F-510^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5F-709^	AM,AQ,B	MQ,P5V,R	109					
NuTech/G2 Gen	5F-710^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	X5Z-1001^	OI	MQ,P1V,R	110					
Pfister	3366RASS	STX,B	CM,C5,Vi,In	112					
Pfister	69B1VX	HXT,RR2	CM,C1,Vi,In	109					
Pfister	70A1SSR	STX	CM,C1,Vi,In	110					
Pfister	71C1VX	HXT,RR2	CM,C1,Vi,In	111					
Pioneer	P1197AMXT GC	AMXT,B	MQ,P1V	111					
Pioneer	P1257AMXT CK	AMXT,B	MQ,P1V	112					
Prairie Brand	5815RA	STX,B	CM,C5,Vi,In	108					
Prairie Brand	6247SX	STX	CM,C1,Vi,In	112					
Renk	RK810SSTX	STX,B	AC,P5V	110					
Renk	RK815SSTX	STX	AC,P5V	111					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111					
Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111					
Wyffels	W7456RIB	VT2P,B	AC,P2	112					

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**Full-Season Test Products (45 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6572STX GC	STX	AC,P5V	114					
Augusta	A5664GT3000	3000GT	CM,C1	114					
Becks	6365AM^	AM,B	Es	113					
Becks	6418SXRIB	STX,B	Es	114					
Becks	6589V2P	VT2P,B	Es	115					
Dekalb	DKC63-60RIB GC	STX,B	AC,P5V	113					
Dekalb	DKC64-87RIB GC	STX,B	ACHD,P5V	114					
Epley	E2305RR	RR2	MQ	113					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64SX1 RIB	STX,B	AC,P5V	114					
FS InVISION	FS 66ZV1	VT2P	AC,P5V	116					
Golden Harvest	G14R38-3000GT	3000GT	AVC,C5,Vi	114					
Golden Harvest	G16K01-3111	3111	AVC,C5,Vi	116					
Golden Harvest	G18D87-3000GT	3000GT	AVC,C5,Vi	118					
Kruger	K4R-9116	STX,B	AC,P5V	116					
Kruger	KR-4917	VT2P,B	AC,P5V	116					
Lewis	R1414SS	STX,B	AC,P5V	114					
LG Seeds	LG5643STX	STX	AC,P5V	114					
LG Seeds	LG5650STX	STX	AC,P5V	114					
LG Seeds	LG5663VT2PRIB	VT2P,B	AC,P5V	115					
LG Seeds	LG5701VT2PRIB GC	VT2P,B	AC,P5V	116					
NK Brand	N78S-3111 GC	3111	AVC,C5,Vi	116					
NuTech	5N-914	3000GT	MQ,P5V,R	114					
NuTech/G2 Gen	5F-015^	AM,B	MQ,P5V	115					
NuTech/G2 Gen	5F-515^	AM,B	MQ,P5V,R	115					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	X5Z-1509^	OI	MQ,P1V,R	115					
Pfister	2770RASS	STX,B	CM,C5,Vi,In	113					
Pfister	3488HR	HX,RR2	CM,C5,Vi,In	115					
Pfister	73A2SS	STX	CM,C1,Vi,In	113					
Pfister	73C1VX	HXT,RR2	CM,C1,Vi,In	113					
Pioneer	P1257AMXT CK	AMXT,B	MQ,P1V	112					
Pioneer	P1311AMXT GC	AMXT,B	MQ,P1V,R	113					
Pioneer	P1417AMX GC	AMX,B	MQ,P1V	114					
Prairie Brand	6305RA	STX,B	CM,C5,Vi,In	113					
Prairie Brand	6367SX	STX	CM,C1,Vi,In	113					
Prairie Brand	6394RA	STX,B	CM,C5,Vi,In	114					
Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114					
Renk	RK935SSTX	STX,B	AC,P5V	114					
Renk	RK941SSTX	STX,B	AC,P5V	114					
Renk	RK961SSTX	STX	AC,P5V	116					
Wyffels	W7696RIB	VT2P,B	AC,P2	113					
Wyffels	W7888RIB	STX,B	AC,P5V	114					
Wyffels	W8268	STX	AC,P5V	116					
Wyffels	W8918	STX	AC,P5V	116					

## 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. VPMaxx® 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®, VPMaxx® 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)	HX	Herculex® 1, contains LL
3010	Agrisure® 3010 (CB,LL,GT)	HX,RR2	Herculex® 1, Roundup Ready 2 Corn
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)
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	HXT,RR2	Herculex® Xtra, Roundup Ready 2 Corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	LL	LibertyLink®
A	Agrisure® Artesian®	None	conventional corn
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme, CYXR (YGCB,HXT,RW,LL,RR2)
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RR2	Roundup Ready® 2 Corn
AQ	Optimum® AQUAMax®	RW	Agrisure® Rootworm
B	Refuge Blend	STX	SmartStax® (VT3P,HXT,RR2,LL)
CB	Agrisure® Corn Borer	VT2P	Genuity® VT Double PRO®
DG	Genuity® DroughtGard®	VT3P	Genuity® VT Triple PRO®
GT	Agrisure® GT	YGCB	YieldGard® Corn Borer
GT/CB/LL	Agrisure® GT/CB/LL		

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

### Corn Seed Treatments\*\*

n/a	information not provided	In	Intego™ Solo
A	Allegiance®	L	Lorsban®
AC	Accelaron® fungicide products	Lu	Lumivia™
AChD	Accelaron® fungicide products	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	V	Votivo®
D	Dynasty®	Vi	Vibrance®
Es	Escalate®		

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