

# 2018 Corn Grain Top 30 Harvest Report

Missouri Central [ MOCE ] NEW FRANKLIN  
Randy & Danny Kircher, Howard County, MO 65274



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

PREV. CROP/HERB: Corn / Degree, atrazine, glyphosate  
SOIL DESCRIPTION: Lowmo silt loam, well drained, non-irrigated  
SOIL CONDITION: Conventional w/o fall till, very high P, medium K, 5.8 pH, 3.1% OM, 15.4 CEC  
PEST MANAGEMENT: Degree Xtra, atrazine, glyphosate, Province II, Force 3G  
FERTILITY - Applied N: 200 Spring  
Applied N-P-K (units): 200-40-60  
SEEDING - RATE - ROW: Apr 21 30,400 /A 30" spacing  
HARVESTED - STAND: Sep 11 29,800 /A

## Early-Season Test

**107 - 112 Day CRM**  
B2018MOCE03a

## Top 30 of 36

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
Lewis	12DP779	VT2P,B	112	<b>230.1</b>	17.1	1	29.3	731	1
NuTech/G2 Gen	5FB-9909	AM,B	109	<b>224.5</b>	16.2	1	29.3	720	2
FS InVISION	FS 62ZX1 RIB	STX,B	112	<b>220.9</b>	17.1	1	30.0	702	3
AgriGold	A641-78STXRIB	STX,B	111	<b>217.7</b>	16.5	1	30.0	696	4
LG Seeds	LG5606STXRIB	STX,B	111	<b>216.8</b>	16.7	1	30.0	692	5
NuTech/G2 Gen	5FB-1010	AM,B	110	<b>216.6</b>	16.9	1	30.3	690	6
AgriGold	A642-59STXRIB	STX,B	112	<b>214.3</b>	16.8	1	30.0	683	7
NK Brand	NK1066-3120-EZR	3120,B	110	<b>213.2</b>	16.5	1	31.0	682	8
Lewis	11DP768	VT2P,B	111	211.6	18.0	1	29.7	665	11
Pioneer	P1197AM GC	AM,B	111	211.4	17.1	1	29.3	672	9
Lewis	10DP719	VT2P,B	110	208.4	16.3	1	30.7	668	10
Pfister	68A1PE	PC,E	108	207.3	16.8	1	29.7	661	12
AgriGold	A638-74VT2PRO	VT2P	108	205.8	17.0	1	29.3	654	14
Dekalb	DKC60-88RIB GC	VT2P,B	110	205.4	16.4	1	29.0	657	13
NuTech/G2 Gen	5FB-1211	AM,B	111	205.2	17.6	1	30.3	648	15
FS InVISION	FS 60QV1 RIB	VT2P,B	110	204.5	17.4	1	30.0	647	16
LG Seeds	LG62C02STX	STX	112	203.3	17.9	1	29.3	640	18
NuTech/G2 Gen	5FN-8808	OI	108	200.9	16.6	1	29.7	642	17
Lewis	08DP739	VT2P,B	108	199.9	16.9	1	30.0	636	20
Pfister	69E2SSR	STX,B	109	199.9	17.1	1	30.0	635	21
Golden Harvest	G11A33-3111	3111	111	199.7	16.6	1	29.0	638	19
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	198.7	16.9	1	30.3	633	22
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	197.1	16.6	1	29.3	630	23
LG Seeds	LG59C66VT2PRO	VT2P	109	196.6	16.8	1	30.3	627	24
Epley	E2001GTCBLL	3010	110	195.0	16.7	1	29.7	622	25
Great Heart	HT-7244VT2PRIB	VT2P,B	112	190.9	17.0	1	30.3	607	26
NK Brand	NK0962-3220A-EZR	3220,A,B	109	190.6	16.9	1	29.3	607	27
FS InVISION	FS 60UX1 RIB	STX,B	110	189.9	17.1	1	29.3	603	28
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	188.1	16.6	1	29.0	601	29
Pfister	71C1PCR	PC,B	111	185.8	16.9	1	29.7	591	30
Pioneer	P1366AM CK	AM,B	113	178.7	17.2	1	30.3	567	32

Averages = **199.7** **16.9** **1** **29.8** **636**

LSD (0.10) = 13.1 0.6 0

LSD (0.25) = 6.9 0.3 0

C.V. = 6.2

New test site, no yield history

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

**Test Comments:** *This is a new FIRST location and very representative of Missouri River bottoms in this area. Planted mid-April, the same day that our host farmer Danny planted across the road. Good early season start became a very challenging summer. Drought limited yield potential. Significant ear tip die-back and good stalk strength noted at harvest. Danny is pleased to see yields from 200 to 245 bu/acre so far.*

† 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

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

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Report Date: 9/12/2018 Revised: 9/17/2018 Product NuTech/G2 Gen E5FN-A808 revised to 5FN-8808

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PEST MANAGEMENT: Degree Xtra, atrazine, glyphosate, Province II, Force 3G  
FERTILITY - Applied N: 200 Spring  
Applied N-P-K (units): 200-40-60  
SEEDING - RATE - ROW: Apr 21 30,400 /A 30" spacing  
HARVESTED - STAND: Sep 11 30,000 /A

**Full-Season Test**  
**113 - 117 Day CRM**  
B2018MOCE03b

**Top 30 of 36**  
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
Lewis	16DP887	VT2P,B	116	<b>231.7</b>	18.7	1	29.3	723	2
LG Seeds	LG5643VT2RIB	VT2P,B	114	<b>227.4</b>	16.9	1	32.0	724	1
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	<b>225.0</b>	18.6	1	29.0	703	3
Pioneer	P1442AM GC	AM,B	114	<b>224.7</b>	18.9	1	30.0	700	4
LG Seeds	LG5663VT2RIB	VT2P,B	115	<b>220.2</b>	18.0	1	29.0	693	6
AgriGold	A6572VT2RIB	VT2P,B	114	<b>219.4</b>	17.5	1	30.3	694	5
FS InVISION	FS 67SV1 RIB	VT2P,B	117	<b>219.2</b>	18.4	1	29.7	686	9
Pioneer	P1637AM GC	AM,B	116	218.0	18.8	1	30.0	680	10
Dekalb	DKC64-35RIB GC	VT2P,B	114	217.3	17.3	1	29.3	689	7
Lewis	14DP857	VT2P,B	114	217.2	17.2	1	29.7	689	8
AgriGold	A6544VT2RIB	VT2P,B	113	214.1	17.2	1	32.3	679	11
Lewis	R1414VT2P	VT2P,B	114	212.5	17.6	1	30.3	671	12
AgriGold	A646-12STXRIB	STX,B	116	212.1	18.2	1	29.0	666	13
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	211.0	17.8	1	29.7	665	14
NuTech/G2 Gen	5FB-4516	AM,B	116	209.5	18.2	1	30.3	657	17
LG Seeds	LG5650VT2RIB	VT2P,B	115	209.4	17.9	1	30.0	659	15
Golden Harvest	G15L32-3110	3110	115	207.3	17.1	1	30.3	658	16
Lewis	14DD849	VT2P,DG,B	114	206.5	17.2	1	29.7	655	18
Great Heart	HT-7342VT2PRIB	VT2P,B	113	205.7	17.1	1	31.3	653	19
Pfister	75Y1PCR	PC,B	115	202.6	17.9	1	29.3	638	20
NuTech/G2 Gen	E5FN-A213	OI	113	201.0	17.4	1	30.0	636	21
Great Heart	HT-7486SSRIB	STX,B	114	200.4	18.7	1	30.3	625	23
Stine	9814-10 GC	3010	118	199.7	18.5	1	30.3	625	24
NuTech/G2 Gen	5FB-3113	AM,B	113	199.6	17.2	1	30.0	633	22
Pfister	77C1SE	STX,E	117	193.8	19.4	1	29.3	600	28
NK Brand	NK1573-3110	3110	115	191.4	17.9	1	30.0	603	27
Great Heart	HT-7302VT2PRIB	VT2P,B	113	190.9	17.3	1	30.3	605	26
FS InVISION	FS 64SV1 RIB	VT2P,B	114	189.1	18.4	1	29.7	592	29
NuTech/G2 Gen	5LB-7215	AMXT,B	115	188.4	18.1	1	29.7	592	30
Pfister	2874PCR	PC,B	113	187.1	18.2	1	30.0	587	31
Pioneer	P1366AM CK	AM,B	113	195.5	16.7	1	30.0	624	25

Averages = **203.8** **17.8** **1** **30.0** **642**

LSD (0.10) = 14.5 0.6 0

LSD (0.25) = 7.6 0.3 0

C.V. = 6.7

New test site, no yield history

*William C. Schelp*

William Schelp

william.schelp@firstseedtests.com, (573) 819-7968

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

**Test Comments:** *This is a new FIRST location and very representative of Missouri River bottoms in this area. Planted mid-April, the same day that our host farmer Danny planted across the road. Good early season start became a very challenging summer. Drought limited yield potential. Significant ear tip die-back and good stalk strength noted at harvest. Danny is pleased to see yields from 200 to 245 bu/acre so far.*

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Report Date: 9/12/2018 Revised:

**Early-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A638-74VT2PRO	VT2P	AC,P5V	108					
AgriGold	A641-78STXRIB	STX,B	AC,P5V	111					
AgriGold	A642-59STXRIB	STX,B	AC,P5V	112					
Dekalb	DKC60-88RIB GC	VT2P,B	AC,P2	110					
Epley	E2001GTCBLL	3010	MQ	110					
Epley	E2201GTCBLL	3010	MQ	112					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	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	G08M20-3010	3010	AVC,C5,Vi	108					
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
Golden Harvest	G11A33-3111	3111	AVC,C5,Vi	111					
Great Heart	HT-7244VT2PRIB	VT2P,B	AC,P5V	112					
Lewis	08DP739	VT2P,B	AC,P2	108					
Lewis	10DP719	VT2P,B	AC,P2	110					
Lewis	11DP768	VT2P,B	AC,P2	111					
Lewis	12DP779	VT2P,B	AC,P2	112					
LG Seeds	LG5606STXRIB	STX,B	AC,P5V	111					
LG Seeds	LG59C66VT2PRO	VT2P	AC,P5V	109					
LG Seeds	LG62C02STX	STX	AC,P5V	112					
NK Brand	NK0962-3220A-EZR	3220,A,B	AVC,C5,Vi	109					
NK Brand	NK1066-3120-EZR	3120,B	AVC,C5,Vi	110					
NuTech	5NN-8812	3000GT	CM,C2,R,Lu,I	112					
NuTech	5VN-4707	3111	MQ,P5V,R	107					
NuTech/G2 Gen	5FB-1010	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5FB-1211	AM,B	CM,C2,R,Lu	111					
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,In	108					
Pfister	69D3RR	RR2	CM,C5,Vi,In	109					
Pfister	69E2SSR	STX,B	CM,C5,Vi,In	109					
Pfister	71C1PCR	PC,B	CM,C5,Vi,In	111					
Pioneer	P1197AM GC	AM,B	MQ,P1V,R	111					
Pioneer	P1366AM CK	AM,B	MQ,P1V,R	113					

2018 Corn Grain - Missouri Central [ MOCE ]



**Full-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A646-12STXRIB	STX,B	AC,P5V	116					
AgriGold	A6544VT2RIB	VT2P,B	AC,P5V	113					
AgriGold	A6572VT2RIB	VT2P,B	AC,P5V	114					
Dekalb	DKC64-35RIB GC	VT2P,B	AC,P2	114					
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	G13Z50-3110	3110	AVC,C5,Vi	113					
Golden Harvest	G15L32-3110	3110	AVC,C5,Vi	115					
Great Heart	HT-7302VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7342VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7486SSRIB	STX,B	AC,P5V	114					
Lewis	14DD849	VT2P,DG,B	AC,P2	114					
Lewis	14DP857	VT2P,B	AC,P2	114					
Lewis	16DP887	VT2P,B	AC,P2	116					
Lewis	R1414VT2P	VT2P,B	AC,P2	114					
LG Seeds	LG5643VT2RIB	VT2P,B	AC,P5V	114					
LG Seeds	LG5650VT2RIB	VT2P,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-3113	AM,B	CM,C2,R,Lu	113					
NuTech/G2 Gen	5FB-4516	AM,B	CM,C2,R,Lu	116					
NuTech/G2 Gen	5LB-7215	AMXT,B	CM,C2,R,Lu	115					
NuTech/G2 Gen	5FN-2213	OI	MQ,P5V,R	113					
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					
Pioneer	P1442AM GC	AM,B	MQ,P1V,R	114					
Pioneer	P1637AM GC	AM,B	MQ,P1V,R	116					
Stine	9746-20 GC	3110	Se,Sa,Sn,Sp	114					
Stine	9808E-20 GC	3110	Se,Sa,Sn,Sp	115					
Stine	9814-10 GC	3010	Se,Sa,Sn,Sp	118					

## 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.