

# 2018 Corn Grain Top 30 Harvest Report

Missouri Central [ MOCE ] CONCORDIA  
Benjamin Lange, Lafayette County, MO 64020



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

PREV. CROP/HERB: Soybean / Prowl H2O, Synchrony XP, Roundup, Prefix  
SOIL DESCRIPTION: Macksburg silt loam, moderately drained, non-irrigated  
SOIL CONDITION: Conventional w/o fall till, low P, low K, 5.6 pH, 3.2% OM, 15.4 CEC  
PEST MANAGEMENT: Staunch, Intrusion, Force 3G  
FERTILITY - Applied N: 150 Spring  
Applied N-P-K (units): 150-0-0  
SEEDING - RATE - ROW: Apr 21 32,400 /A 30" spacing  
HARVESTED - STAND: Sep 19 30,600 /A

**Early-Season Test**  
**107 - 112 Day CRM**  
B2018MOCE01a

**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
Great Heart	HT-7244VT2PRIB	VT2P,B	112	<b>182.4</b>	14.7	7	31.0	593	1
Lewis	11DP768	VT2P,B	111	<b>179.9</b>	14.9	5	30.7	585	2
NuTech/G2 Gen	5FB-9909	AM,B	109	<b>178.6</b>	14.2	1	30.3	580	3
Lewis	10DP719	VT2P,B	110	176.3	14.3	2	30.7	573	4
Pfister	71C1PCR	PC,B	111	174.7	14.7	2	30.3	568	5
Lewis	08DP739	VT2P,B	108	173.4	14.3	5	30.3	564	6
Epley	E2001GTCBLL	3010	110	171.8	14.7	1	30.7	558	7
Dekalb	DKC60-88RIB GC	VT2P,B	110	171.7	14.5	4	30.0	558	8
FS InVISION	FS 62ZX1 RIB	STX,B	112	171.1	14.6	1	31.0	556	9
NuTech/G2 Gen	5FN-8808	OI	108	171.1	14.2	8	30.7	556	10
Lewis	12DP779	VT2P,B	112	170.3	14.4	5	30.3	553	11
AgriGold	A638-74VT2PRO	VT2P	108	166.0	14.5	2	31.0	540	12
LG Seeds	LG5606STXRIB	STX,B	111	164.9	14.5	4	30.7	536	13
Pfister	69E2SSR	STX,B	109	163.8	14.6	2	30.3	532	14
Pfister	68A1PE	PC,E	108	163.0	14.3	1	30.3	530	15
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	162.5	14.2	6	30.3	528	16
LG Seeds	LG62C02STX	STX	112	161.4	14.6	1	31.0	525	17
LG Seeds	LG59C66VT2PRO	VT2P	109	160.2	14.2	5	31.0	521	18
NuTech	5NN-8812	3000GT	112	160.0	14.9	1	31.0	520	19
FS InVISION	FS 60QV1 RIB	VT2P,B	110	159.7	14.1	3	30.3	519	20
AgriGold	A641-78STXRIB	STX,B	111	159.1	14.4	1	30.7	517	21
NK Brand	NK1066-3120-EZR	3120,B	110	158.4	14.3	1	30.7	515	22
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	157.7	14.1	4	31.0	513	23
AgriGold	A642-59STXRIB	STX,B	112	156.4	14.6	1	30.3	508	24
Epley	E2201GTCBLL	3010	112	155.9	15.0	2	31.0	507	25
NuTech/G2 Gen	5FB-1010	AM,B	110	155.9	14.6	9	30.7	507	26
FS InVISION	FS 60UX1 RIB	STX,B	110	155.4	14.4	2	30.0	505	27
Golden Harvest	G08M20-3010	3010	108	154.6	14.0	2	31.0	502	28
Pioneer	P1197AM GC	AM,B	111	152.6	14.4	1	31.3	496	29
NuTech	5VN-4707	3111	107	151.6	13.9	1	30.0	493	30
Pioneer	P1366AM CK	AM,B	113	143.1	14.4	2	30.7	465	34

Averages = **161.4** **14.4** **3** **30.6** **525**

LSD (0.10) = 15.5 0.3 4

LSD (0.25) = 10.8 0.2 3

C.V. = 7.0 Prev. years average yield, 206.0 bu/a, 1 yr

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

**Test Comments:** Trial was planted timely with good stands. Summer set in early with a record warm May. Rainfall was limited all season. Ben noted ear size was inconsistent within fields, making it extremely difficult to estimate yield preharvest. Nearby, corn was chopped for silage due to poor yield potential. Drought stressed plants were very short and commonly had ears with tip die-back. It was a tough year.

† 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: 9/20/2018 Revised:

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SOIL CONDITION: Conventional w/o fall till, low P, low K, 5.6 pH, 3.2% OM, 15.4 CEC  
PEST MANAGEMENT: Staunch, Intrusion, Force 3G  
FERTILITY - Applied N: 150 Spring  
Applied N-P-K (units): 150-0-0  
SEEDING - RATE - ROW: Apr 21 32,400 /A 30" spacing  
HARVESTED - STAND: Sep 19 30,900 /A

**Full-Season Test**  
**113 - 117 Day CRM**  
B2018MOCE01b

## 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
LG Seeds	LG5650VT2RIB	VT2P,B	115	<b>176.5</b>	14.9	1	30.0	574	1
Pfister	77C1SE	STX,E	117	<b>174.0</b>	16.9	1	31.0	554	6
LG Seeds	LG5663VT2RIB	VT2P,B	115	<b>173.9</b>	15.1	2	31.3	565	2
Lewis	14DD849	VT2P,DG,B	114	<b>173.4</b>	15.4	2	30.7	561	3
Great Heart	HT-7302VT2PRIB	VT2P,B	113	171.4	14.5	5	31.0	557	4
LG Seeds	LG5643VT2RIB	VT2P,B	114	171.2	14.8	4	31.3	556	5
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	166.1	15.1	4	31.3	539	7
AgriGold	A6572VT2RIB	VT2P,B	114	164.8	15.1	1	31.3	535	8
Lewis	R1414VT2P	VT2P,B	114	161.9	14.7	1	31.3	526	9
Great Heart	HT-7486SSRIB	STX,B	114	160.8	15.4	1	30.7	520	11
Dekalb	DKC64-35RIB GC	VT2P,B	114	160.5	14.6	1	30.7	522	10
Golden Harvest	G13Z50-3110	3110	113	160.0	14.4	1	31.0	520	12
Lewis	14DP857	VT2P,B	114	159.4	14.2	2	30.7	518	13
Lewis	16DP887	VT2P,B	116	158.5	15.8	1	31.3	511	17
Pfister	75Y1PCR	PC,B	115	158.0	14.9	1	31.0	514	14
NuTech/G2 Gen	5FN-2213	OI	113	158.0	14.8	2	31.0	514	15
NK Brand	NK1573-3110	3110	115	157.4	14.3	2	31.0	512	16
AgriGold	A646-12STXRIB	STX,B	116	156.8	14.6	2	31.3	510	18
NK Brand	NK1433-3120-EZR	3120,B	114	155.8	15.1	1	30.7	506	19
NuTech/G2 Gen	5LB-7215	AMXT,B	115	155.7	15.1	1	30.3	505	20
NuTech/G2 Gen	5FB-3113	AM,B	113	155.4	14.5	1	31.0	505	21
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	155.1	14.5	1	31.3	504	22
NuTech/G2 Gen	5FB-4516	AM,B	116	153.2	15.7	1	30.3	494	23
AgriGold	A6544VT2RIB	VT2P,B	113	149.8	14.6	2	31.0	487	24
Golden Harvest	G15L32-3110	3110	115	149.2	14.8	2	30.3	485	25
Great Heart	HT-7342VT2PRIB	VT2P,B	113	148.9	14.4	3	31.0	484	26
Stine	9814-10 GC	3010	118	148.3	15.9	2	30.7	477	28
Stine	9808E-20 GC	3110	115	147.1	14.7	1	30.7	478	27
Pioneer	P1442AM GC	AM,B	114	144.4	15.0	1	31.0	469	29
Pfister	74D2PE	PC,E	114	143.5	15.2	4	31.3	465	30
Pioneer	P1366AM CK	AM,B	113	133.5	14.0	1	31.3	434	34

*William C. Schelp*

William Schelp

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

Averages = **155.3** **14.9** **2** **30.9** **504**

LSD (0.10) = 16.8 0.5 ns

LSD (0.25) = 11.7 0.3 ns

C.V. = 7.9 Prev. years average yield, 206.0 bu/a, 1 yr

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

**Test Comments:** Trial was planted timely with good stands. Summer set in early with a record warm May. Rainfall was limited all season. Ben noted ear size was inconsistent within fields, making it extremely difficult to estimate yield preharvest. Nearby, corn was chopped for silage due to poor yield potential. Drought stressed plants were very short and commonly had ears with tip die-back. It was a tough year.

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**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	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					
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.