

# 2018 Corn Grain Top 30 Harvest Report

Missouri Central [ MOCE ] SWEET SPRINGS  
Bruce Strobel, Saline County, MO 64020



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

PREV. CROP/HERB: Soybean / XtendiMax  
SOIL DESCRIPTION: Haig silt loam, moderately drained, irrigated  
SOIL CONDITION: Minimum w/o fall till, high P, very high K, 4.7 pH, 1.9% OM, 19 CEC  
PEST MANAGEMENT: Lexar, Stalwart 3W, Force 3G  
FERTILITY - Applied N: 160 Fall, 45 Foliar  
Applied N-P-K (units): 205-48-67  
SEEDING - RATE - ROW: Apr 24 32,400 /A 30" spacing  
HARVESTED - STAND: Sep 20 31,000 /A

**Early-Season Test**  
**107 - 112 Day CRM**  
B2018MOCE02a

## 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	10DP719	VT2P,B	110	253.3	14.4	1	31.0	823	1
Lewis	11DP768	VT2P,B	111	252.6	15.7	1	31.3	815	3
Pioneer	P1197AM GC	AM,B	111	251.9	14.8	1	30.3	819	2
Dekalb	DKC60-88RIB GC	VT2P,B	110	251.3	15.8	1	31.0	810	4
LG Seeds	LG62C02STX	STX	112	247.3	14.9	1	31.0	804	5
AgriGold	A641-78STXRIB	STX,B	111	245.4	14.3	1	31.0	798	6
Lewis	12DP779	VT2P,B	112	244.0	15.1	2	30.7	792	7
NuTech/G2 Gen	5FB-9909	AM,B	109	242.6	13.8	1	31.0	788	9
AgriGold	A642-59STXRIB	STX,B	112	238.1	14.6	1	30.3	774	10
FS InVISION	FS 62ZX1 RIB	STX,B	112	237.9	15.2	1	30.7	772	12
LG Seeds	LG5606STXRIB	STX,B	111	237.7	14.2	1	31.3	773	11
NuTech/G2 Gen	5FB-1010	AM,B	110	236.0	15.1	1	31.3	766	13
NuTech/G2 Gen	5FN-8808	OI	108	235.6	14.4	1	31.0	766	14
Great Heart	HT-7244VT2PRIB	VT2P,B	112	233.1	15.2	1	30.7	756	15
NK Brand	NK1066-3120-EZR	3120,B	110	232.2	14.7	1	30.7	755	16
Lewis	08DP739	VT2P,B	108	232.1	15.0	2	30.7	754	17
Epley	E2001GTCBLL	3010	110	229.9	14.4	1	31.3	747	18
FS InVISION	FS 60QV1 RIB	VT2P,B	110	229.5	14.1	1	31.0	746	19
NK Brand	NK0962-3220A-EZR	3220,A,B	109	229.2	15.2	1	31.3	743	20
LG Seeds	LG59C66VT2PRO	VT2P	109	228.2	14.7	1	31.0	742	21
NuTech/G2 Gen	5FB-1211	AM,B	111	227.7	15.3	1	31.3	738	24
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	227.6	15.5	1	31.0	736	25
Golden Harvest	G08M20-3010	3010	108	227.5	14.3	1	31.0	739	22
AgriGold	A638-74VT2PRO	VT2P	108	227.3	14.4	1	31.3	739	23
FS InVISION	FS 60UX1 RIB	STX,B	110	225.3	14.7	1	31.0	732	26
Pfister	69E2SSR	STX,B	109	225.2	14.6	1	31.3	732	27
Pfister	71C1PCR	PC,B	111	224.7	14.2	1	31.0	730	28
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	224.1	14.2	1	31.0	728	29
NuTech	5VN-4707	3111	107	222.9	14.3	1	31.3	724	30
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	213.1	14.4	1	31.0	693	31
Pioneer	P1366AM CK	AM,B	113	244.0	15.5	1	30.7	789	8

*William C. Schelp*

William Schelp

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Averages = 231.3 14.8 1 31.0 750

LSD (0.10) = 11.5 0.9 ns

LSD (0.25) = 6.0 0.4 ns

C.V. = 4.7 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 irrigated corn site. The crop looked good all year, from planting to harvest. Surrounding non-irrigated fields had yield limiting drought stress this year. Approximately 6" of supplemental irrigation applied. UAN plus sulfur was applied through the pivot. Stalk quality was excellent and little disease at harvest. Good kernel depth. Zinc also applied. This was just a good trial.

† 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: 9/21/2018 Revised:

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SOIL CONDITION: Minimum w/o fall till, high P, very high K, 4.7 pH, 1.9% OM, 19 CEC  
PEST MANAGEMENT: Lexar, Stalwart 3W, Force 3G  
FERTILITY - Applied N: 160 Fall, 45 Foliar  
Applied N-P-K (units): 205-48-67  
SEEDING - RATE - ROW: Apr 24 32,400 /A 30" spacing  
HARVESTED - STAND: Sep 20 30,900 /A

**Full-Season Test**  
**113 - 117 Day CRM**  
B2018MOCE02b

## 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
<b>Lewis</b>	<b>16DP887</b>	<b>VT2P,B</b>	<b>116</b>	<b>257.0</b>	<b>15.4</b>	<b>2</b>	<b>31.3</b>	<b>832</b>	<b>1</b>
LG Seeds	LG5650VT2RIB	VT2P,B	115	255.6	15.6	1	30.3	825	2
AgriGold	A6544VT2RIB	VT2P,B	113	250.4	14.8	1	31.0	814	3
AgriGold	A6572VT2RIB	VT2P,B	114	246.6	16.1	1	31.0	792	4
NuTech/G2 Gen	5FB-4516	AM,B	116	246.0	15.9	2	31.0	792	5
AgriGold	A646-12STXRIB	STX,B	116	242.9	15.6	4	31.0	784	6
FS InVISION	FS 67SV1 RIB	VT2P,B	117	239.9	15.8	1	31.0	773	8
LG Seeds	LG5663VT2RIB	VT2P,B	115	238.2	15.8	1	30.7	767	12
NuTech/G2 Gen	5FN-2213	OI	113	237.4	15.7	1	31.0	766	14
<b>Lewis</b>	<b>R1414VT2P</b>	<b>VT2P,B</b>	<b>114</b>	<b>237.1</b>	<b>14.5</b>	<b>1</b>	<b>31.0</b>	<b>771</b>	<b>9</b>
<b>Lewis</b>	<b>14DP857</b>	<b>VT2P,B</b>	<b>114</b>	<b>236.5</b>	<b>14.7</b>	<b>1</b>	<b>31.0</b>	<b>769</b>	<b>10</b>
FS InVISION	FS 64SV1 RIB	VT2P,B	114	236.2	14.4	1	31.3	768	11
<b>Lewis</b>	<b>14DD849</b>	<b>VT2P,DG,B</b>	<b>114</b>	<b>235.9</b>	<b>15.0</b>	<b>1</b>	<b>31.0</b>	<b>767</b>	<b>13</b>
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	234.8	15.1	1	31.0	762	15
Great Heart	HT-7342VT2PRIB	VT2P,B	113	233.4	14.3	1	31.7	759	16
LG Seeds	LG5643VT2RIB	VT2P,B	114	232.3	14.5	1	31.0	755	17
Great Heart	HT-7486SSRIB	STX,B	114	232.1	15.3	1	31.0	752	19
Golden Harvest	G15L32-3110	3110	115	231.6	14.6	1	31.0	753	18
Great Heart	HT-7302VT2PRIB	VT2P,B	113	231.3	14.8	2	30.7	752	20
NK Brand	NK1573-3110	3110	115	230.5	14.6	4	31.0	749	21
Dekalb	DKC64-35RIB GC	VT2P,B	114	229.4	14.8	1	30.7	746	22
Pioneer	P1442AM GC	AM,B	114	228.6	14.9	1	30.7	743	23
NuTech/G2 Gen	5LB-7215	AMXT,B	115	224.0	15.4	1	31.0	725	24
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	222.7	15.1	1	30.0	723	25
Pfister	77C1SE	STX,E	117	220.3	15.7	1	30.7	711	26
NuTech/G2 Gen	5FB-3113	AM,B	113	218.3	14.5	2	31.0	709	27
Golden Harvest	G13Z50-3110	3110	113	217.3	14.2	1	30.7	706	28
Stine	9814-10 GC	3010	118	217.3	16.7	1	31.3	693	31
NK Brand	NK1433-3120-EZR	3120,B	114	215.7	15.3	2	31.3	699	29
Stine	9808E-20 GC	3110	115	213.9	14.8	1	31.0	695	30
Pioneer	P1366AM CK	AM,B	113	239.5	14.5	1	30.3	778	7

*William C. Schelp*  
William Schelp

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Averages = **228.0** **15.1** **1** **30.9** **739**  
LSD (0.10) = 14.3 0.7 1  
LSD (0.25) = 7.5 0.3 1  
C.V. = 2.9

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 irrigated corn site. The crop looked good all year, from planting to harvest. Surrounding non-irrigated fields had yield limiting drought stress this year. Approximately 6" of supplemental irrigation applied. UAN plus sulfur was applied through the pivot. Stalk quality was excellent and little disease at harvest. Good kernel depth. Zinc also applied. This was just a good trial.*

† 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: 9/21/2018 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,l	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,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					

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.