

# 2017 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 / paraquat, Prowl H2O, Synchrony XP, Roundup, Prefix  
SOIL DESCRIPTION: Marshall silty clay loam, well drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, medium P, very high K, 7.5 pH, 2.2% OM, 19.9 CEC  
PEST MANAGEMENT: Armezon, atrazine, Force  
FERTILITY - Applied N: 140 Spring, 53 Foliar  
Applied N-P-K (units): 193-0-0  
SEEDING - RATE - ROW: Apr 19 34,700 /A 30" spacing  
HARVESTED - STAND: Sep 15 30,600 /A

**All-Season Test**  
**107 - 117 Day CRM**  
B2017MOCE02

**Top 30 of 54**

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
AgriGold	A647-90VT2PRO	VT2P	117	<b>250.1</b>	22.2	2	32.2	702	1
AgriGold	A6579STX	STX	114	<b>244.6</b>	20.9	1	32.0	698	2
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	<b>243.0</b>	21.0	3	30.9	693	3
LG Seeds	LG5650VT2PRIB	VT2P,B	115	<b>230.7</b>	21.1	1	32.6	657	4
MorCorn	MC4319VT2PRIB	VT2P,B	113	<b>228.9</b>	20.5	5	29.2	656	5
AgriGold	A645-10VT2RIB	VT2P,B	115	<b>225.0</b>	22.7	3	28.9	628	15
FS InVISION	FS 64SV1 RIB	VT2P,B	114	<b>224.6</b>	21.9	2	31.9	633	10
Lewis	16DP887	VT2P,B	116	<b>224.2</b>	21.9	1	30.7	632	11
NuTech	X5NN-1212	3000GT	112	<b>223.7</b>	20.0	6	29.6	645	7
NuTech/G2 Gen	5FB-9016^	AM,B	116	<b>222.2</b>	21.4	27	29.5	630	13
Pfister	3488PCR	PC,B	115	<b>220.9</b>	21.2	1	30.9	628	16
Golden Harvest	G14R38-3120-EZR	3120,B	114	<b>220.7</b>	20.8	2	30.2	631	12
LG Seeds	LG5643VT2PRIB	VT2P,B	114	220.2	18.5	3	30.9	647	6
Lewis	15DP878	VT2P,B	115	219.5	18.5	1	31.4	645	8
Pioneer	P1197AM GC	AM,B	111	218.4	20.6	3	29.6	625	17
Pfister	2874SSR	STX,B	113	218.1	20.0	1	31.4	629	14
NuTech/G2 Gen	5F-713^	AM,B	113	217.2	21.1	4	31.7	618	18
Pfister	71C1PCR	PC,B	111	217.0	18.9	1	31.7	634	9
AgriGold	A642-59STX	STX	112	213.8	21.1	2	32.0	609	20
NuTech/G2 Gen	X5FN-1512^	OI	115	210.8	21.0	2	32.0	601	22
Lewis	RD1511VT2P	VT2P,DG,B	111	209.6	19.4	2	29.5	609	21
Golden Harvest	G16K01-3111	3111	116	208.5	20.7	4	29.2	596	24
LG Seeds	LG5590VT2P	VT2P	110	208.1	18.2	2	29.5	613	19
Lewis	11DP768	VT2P,B	111	207.7	20.3	3	31.0	597	23
Pfister	73A2SSR	STX,B	113	206.3	21.0	2	32.9	588	28
Pfister	72C6SS	STX	112	203.9	20.8	2	30.0	583	29
NuTech/G2 Gen	X5FN-1211^	OI	112	203.4	19.7	1	31.6	589	27
Epley	E2305RR	RR2	113	202.3	18.6	8	30.0	594	25
NuTech/G2 Gen	5F-308^	AM,B	108	201.2	19.8	4	29.0	582	30
NuTech	5VN-4707	3111	107	201.0	18.6	2	31.2	590	26

*William C. Schelp*

William (Bill) Schelp

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Averages = **206.0** **19.9** **4** **30.6** **594**

LSD (0.10) = 14.6 1.8 4

LSD (0.25) = 7.7 0.9 2

C.V. = 6.7 New test site, no yield history

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.06; non-GMO = \$3.06

**Test Comments:** *Variable weather conditions describe this test site, and many others in Missouri for 2017. Great planting conditions preceded a cold, wet period one week later. Recovery and then heat stress. June 17th wind nearly caused irreversible damage. Ben said, "We had 60 mph winds making corn horizontal about 1 ft off the ground. After that, it rained with less stress. Plants more or less stood up straight!"*

† 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: 9/18/2017 Revised:

2017 Corn Grain - Missouri Central [ MOCE ]



All-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A640-77VT2PRO	VT2P	AC,P5V	110	Pfister	2874SSR	STX,B	CM,C5,Vi,In	113
AgriGold	A642-59STX	STX	AC,P5V	112	Pfister	3488PCR	PC,B	CM,C5,Vi,In	115
AgriGold	A645-10VT2RIB	VT2P,B	AC,P5V	115	Pfister	68A1RR	RR2	CM,C2	108
AgriGold	A647-90VT2PRO	VT2P	AC,P5V	117	Pfister	70A1SSR	STX,B	CM,C5,Vi,In	110
AgriGold	A6499STXRIB	STX,B	AC,P5V	112	Pfister	71C1PCR	PC,B	CM,C5,Vi,In	111
AgriGold	A6579STX	STX	AC,P5V	114	Pfister	72C6SS	STX	CM,C1,Vi,In	112
Dekalb	DKC60-88RIB GC	VT2P,B	AC,P5V	110	Pfister	73A2SSR	STX,B	CM,C5,Vi,In	113
Epley	E2305RR	RR2	MQ	113	Pfister	X157137VH	PC	CM,C1,Vi,In	115
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109	Pioneer	P1197AM GC	AM,B	MQ,C2,R	111
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					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64R44	3000GT	AVC,C5,Vi	114					
FS InVISION	FS 64SV1 RIB	VT2P,B	AC,P2	114					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
Golden Harvest	G10T63-3120-EZR	3120,B	AVC,C5,Vi	110					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Golden Harvest	G14R38-3120-EZR	3120,B	AVC,C5,Vi	114					
Golden Harvest	G16K01-3111	3111	AVC,C5,Vi	116					
Lewis	10DP747	VT2P,B	AC,P5V	110					
Lewis	11DP768	VT2P,B	AC,P5V	111					
Lewis	15DP878	VT2P,B	AC,P5V	115					
Lewis	16DP887	VT2P,B	AC,P5V	116					
Lewis	R1412VT2P	VT2P,B	AC,P5V	112					
Lewis	R1414VT2P	VT2P,B	AC,P5V	114					
Lewis	RD1511VT2P	VT2P,DG,B	AC,P5V	111					
Lewis	RD1613VT2P	VT2P,DG,B	AC,P5V	113					
LG Seeds	LG5590VT2P	VT2P	AC,P5V	110					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
LG Seeds	LG5643VT2PRIB	VT2P,B	AC,P5V	114					
LG Seeds	LG5650VT2PRIB	VT2P,B	AC,P5V	115					
MorCorn	MC3966VT2PRIB	VT2P,B	AC,P2	109					
MorCorn	MC4319VT2PRIB	VT2P,B	AC,P2	113					
MorCorn	MCXP1716	STX	AC,P5V	114					
NuTech	5VN-4707	3111	MQ,P1V,R	107					
NuTech	X5NN-1212	3000GT	MQ,P5V,R	112					
NuTech/G2 Gen	5F-308^	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	5FB-1010^	AM,B	MQ,P5V,R	110					
NuTech/G2 Gen	5FB-9016^	AM,B	MQ,P5V,R	116					
NuTech/G2 Gen	X5FN-0909^	OI	MQ,P1V,R	109					
NuTech/G2 Gen	X5FN-1211^	OI	MQ,P1V,R	112					
NuTech/G2 Gen	X5FN-1307^	OI	MQ,P1V,R	113					
NuTech/G2 Gen	X5FN-1512^	OI	MQ,P1V,R	115					

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2 <sup>®</sup> brand seed is distributed by NuTech Seed, LLC. Catalyst™ and Power Plus <sup>®</sup> brand seed is distributed by Burrus. HPT <sup>®</sup> brand seed is distributed by Hoegemeyer Hybrids, Innotech™ brand seed is distributed by Rob-See-Co, LLC. RPM <sup>®</sup> brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX <sup>®</sup> brand seed is distributed by Seed Consultants, Inc. VPM <sup>®</sup> brand seed is distributed by AgVenture, Inc. XL <sup>®</sup> and Phoenix <sup>®</sup> brand seed is distributed by Beck's Superior Hybrids. Curry <sup>®</sup> , G2 <sup>®</sup> , HPT <sup>®</sup> , Power Plus <sup>®</sup> , RPM <sup>®</sup> , Supreme EX <sup>®</sup> , VPM <sup>®</sup> and XL <sup>®</sup> are registered trademarks of DuPont Pioneer. Catalyst™, Innotech™ and Phoenix <sup>®</sup> 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 <sup>®</sup> 3000GT (CB,RW,LL,GT)	GT	Agrisure <sup>®</sup> GT
3010	Agrisure <sup>®</sup> 3010 (CB,LL,GT)	HX	Herculex <sup>®</sup> 1, contains LL
3011,A	Agrisure <sup>®</sup> Artesian <sup>®</sup> (CB,RW,LL,GT)	HXRW	Herculex <sup>®</sup> Rootworm, contains LL
3110	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3110 (Vip, CB,LL,GT)	HXT	Herculex <sup>®</sup> Xtra (HX,HXRW,LL)
3111	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink <sup>®</sup>
3120	Agrisure <sup>®</sup> 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure <sup>®</sup> 3122 (CB,HXX,RW,LL,GT)	OI	Optimum <sup>®</sup> Intrasect <sup>®</sup> , YHR (YGCB,HX,LL,RR2)
3220	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure <sup>®</sup> Artesian <sup>®</sup>	OIXT	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum <sup>®</sup> AcreMax <sup>®</sup> (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum <sup>®</sup> AcreMax <sup>®</sup> TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready <sup>®</sup> 2 Corn
AMX	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure <sup>®</sup> Rootworm
AMXT	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax <sup>®</sup> (VT3P,HXT,RR2,LL)
AQ	Optimum <sup>®</sup> AQUAMax <sup>®</sup>	VT2P	Genuity <sup>®</sup> VT Double PRO <sup>®</sup>
B	Refuge Blend	VT3P	Genuity <sup>®</sup> VT Triple PRO <sup>®</sup>
CB	Agrisure <sup>®</sup> Corn Borer	YGCB	YieldGard <sup>®</sup> Corn Borer
DG	Genuity <sup>®</sup> DroughtGard <sup>®</sup>		

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

### Corn Seed Treatments\*\*

?	information unavailable	In	Intego™ Solo
A	Allegiance <sup>®</sup>	L	Lorsban <sup>®</sup>
AC	Acceleron <sup>®</sup> fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	M	Maxim XL <sup>®</sup>
At	Actellic <sup>®</sup>	MQ	Maxim Quattro <sup>®</sup>
AVC	Avicta <sup>®</sup> Complete Corn	None	untreated
C2, C5, C1	Cruiser <sup>®</sup> at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho <sup>®</sup> at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme <sup>®</sup>	R	Raxil <sup>®</sup>
CM	CruiserMaxx <sup>®</sup> Corn	SC	SHIELDCoat™
D	Dynasty <sup>®</sup>	V	Votivo <sup>®</sup>
Es	Escalate <sup>®</sup>	Vi	Vibrance <sup>®</sup>

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