

2017 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] VANDALIA
 Charlie Cobb Farms, Audrain County, MO 63460



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

PREV. CROP/HERB: Soybean / Authority MTZ, Dual II Magnum, Warrant, Roundup
 SOIL DESCRIPTION: Mexico silt loam, mod. poor drained, irrigated
 SOIL CONDITION: Minimum w/ fall till, high P, high K, 6.5 pH, 1.8% OM, 12.1 CEC
 PEST MANAGEMENT: Degree Xtra, Bellum, atrazine, LambdaCy, Azoxypop Xtra, Force
 FERTILITY - Applied N: 175 Spring, 25 Side, 45 Foliar
 Applied N-P-K (units): 245-80-100
 SEEDED - RATE - ROW: May 15 34,700 /A 30" spacing
 HARVESTED - STAND: Oct 14 32,200 /A

All-Season Test
107 - 117 Day CRM
 B2017MOCE05

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
LG Seeds	LG5643VT2PRIB	VT2P,B	114	283.9	20.2	1	33.4	817	1
NuTech/G2 Gen	5FB-9016^	AM,B	116	279.6	21.5	1	33.3	792	2
Lewis	R1414VT2P	VT2P,B	114	278.6	21.4	1	33.0	790	3
FS InVISION	FS 64SV1 RIB	VT2P,B	114	274.0	21.1	1	31.0	780	5
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	273.9	21.4	1	30.9	777	6
Golden Harvest	G16K01-3111	3111	116	272.7	22.1	1	31.0	767	8
NuTech/G2 Gen	X5FN-0909^	OI	109	271.1	19.9	1	34.6	783	4
Lewis	16DP887	VT2P,B	116	270.3	22.1	1	30.6	760	10
Pioneer	P1197AM GC	AM,B	111	269.5	20.3	1	31.7	775	7
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	267.9	20.6	1	34.3	767	9
Pfister	71C1PCR	PC,B	111	267.0	22.6	1	31.6	746	16
Lewis	15DP878	VT2P,B	115	265.7	21.3	1	31.7	754	12
NuTech/G2 Gen	5FB-1010^	AM,B	110	262.2	20.2	1	31.2	755	11
AgriGold	A6579STX	STX	114	262.2	21.8	1	33.1	740	19
MorCorn	MC4319VT2PRIB	VT2P,B	113	261.4	21.3	1	30.3	742	18
FS InVISION	FS 64R44	3000GT	114	261.4	21.5	1	31.3	740	20
Pfister	73A2SSR	STX,B	113	261.4	21.8	1	33.6	738	23
Pfister	3488PCR	PC,B	115	261.1	22.2	1	31.6	733	25
NuTech/G2 Gen	5F-713^	AM,B	113	260.7	20.5	1	33.3	748	14
MorCorn	MC3966VT2PRIB	VT2P,B	109	260.3	20.4	1	32.4	747	15
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	259.7	19.9	1	31.9	750	13
Golden Harvest	G10T63-3120-EZR	3120,B	110	259.4	20.5	1	32.6	744	17
AgriGold	A6499STXRIB	STX,B	112	258.1	20.5	1	33.0	740	21
FS InVISION	FS 59VL1 EZR	3220,B	109	258.0	20.5	1	31.2	740	22
NuTech/G2 Gen	X5FN-1512^	OI	115	257.4	21.6	1	33.9	728	27
NuTech	X5NN-1212	3000GT	112	256.5	21.8	1	33.9	724	29
Lewis	RD1613VT2P	VT2P,DG,B	113	256.0	20.9	1	32.6	730	26
Lewis	11DP768	VT2P,B	111	255.7	21.6	1	32.7	723	30
AgriGold	A640-77VT2PRO	VT2P	110	255.1	20.2	1	33.3	734	24
LG Seeds	LG5618STXRIB	STX,B	112	253.7	20.4	1	32.2	728	28

William C. Schelp
 William (Bill) Schelp

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

Averages =	256.1	21.0	1	32.2	730
LSD (0.10) =	12.5	0.9	ns		
LSD (0.25) =	6.6	0.5	ns		
C.V. =	4.6				

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: Trial was located under pivot irrigation and intensively managed. Excess April moisture caused replant on many nearby corn acres. Irrigation was applied in July, 2.5"; August, 1.7"; and September, 0.8" for a grand total of 5". Ears were well pollinated with kernel fill to the tips. At harvest, plant health was excellent with virtually no lodging or disease. Boron was applied.

† See last page for abbreviation descriptions. Dark colored row identifies the check product used 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: 10/16/2017 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 [®] 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. VPMa [®] 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 [®] , VPMa [®] 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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

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

Corn Seed Treatments**

?	information unavailable	In	Intego™ Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia™
AL2500	Alert 2500™	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	SC	SHIELDCoat™
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

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