

2017 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] BRUNSWICK

Chris Elliott, Chariton County, MO 65286



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

PREV. CROP/HERB: Soybean / Liberty
 SOIL DESCRIPTION: Tice silty clay loam, moderately drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, medium P, medium K, 5.6 pH, 1.8% OM, 23.3 CEC
 PEST MANAGEMENT: Keystone, atrazine, Hero, Force
 FERTILITY - Applied N: 172 Spring
 Applied N-P-K (units): 172-30-40
 SEEDING - RATE - ROW: Apr 18 34,700 /A 30" spacing
 HARVESTED - STAND: Sep 27 29,200 /A

All-Season Test

107 - 117 Day CRM

B2017MOCE03

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	231.1	17.8	1	30.2	685	2
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	230.2	17.3	1	29.7	686	1
Lewis	16DP887	VT2P,B	116	227.0	17.8	1	29.9	672	3
LG Seeds	LG5650VT2PRIB	VT2P,B	115	220.1	17.1	1	30.6	657	4
NuTech/G2 Gen	5FB-9016^	AM,B	116	217.2	17.4	1	28.5	646	5
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	214.7	16.9	1	29.9	643	6
AgriGold	A645-10VT2RIB	VT2P,B	115	213.1	17.7	1	27.9	632	7
NuTech/G2 Gen	X5FN-1512^	OI	115	209.0	17.6	1	31.0	621	9
Golden Harvest	G14R38-3120-EZR	3120,B	114	207.5	17.3	1	29.9	618	10
Golden Harvest	G10T63-3120-EZR	3120,B	110	207.1	16.4	2	29.6	624	8
Pfister	73A2SSR	STX,B	113	206.9	17.7	1	31.3	614	13
NuTech/G2 Gen	X5FN-1307^	OI	113	206.6	17.2	1	26.3	616	11
AgriGold	A6499STXRIB	STX,B	112	206.2	17.8	1	28.6	611	17
AgriGold	A6579STX	STX	114	205.4	16.8	1	29.3	616	12
Lewis	11DP768	VT2P,B	111	205.2	17.0	1	27.8	614	14
NuTech/G2 Gen	5FB-1010^	AM,B	110	204.1	16.6	1	27.3	613	15
Lewis	R1412VT2P	VT2P,B	112	204.1	16.7	1	31.2	612	16
Lewis	15DP878	VT2P,B	115	203.6	17.6	1	30.3	604	21
MorCorn	MC4319VT2PRIB	VT2P,B	113	203.2	17.7	1	24.6	603	22
Dekalb	DKC60-88RIB GC	VT2P,B	110	202.6	16.3	1	25.6	611	18
Lewis	10DP747	VT2P,B	110	202.5	16.6	1	31.3	608	20
Pfister	3488PCR	PC,B	115	202.4	18.3	1	31.3	596	26
LG Seeds	LG5618STXRIB	STX,B	112	201.7	17.6	1	30.9	599	24
NuTech/G2 Gen	X5FN-0909^	OI	109	201.5	16.1	1	27.9	609	19
AgriGold	A647-90VT2PRO	VT2P	117	200.8	18.2	1	29.2	592	29
MorCorn	MC3966VT2PRIB	VT2P,B	109	199.9	16.6	1	28.9	600	23
Pioneer	P1197AM GC	AM,B	111	198.3	16.7	1	27.3	595	27
MorCorn	MCXP1716	STX	114	198.1	16.7	1	29.7	594	28
NuTech	5VN-4707	3111	107	197.9	16.1	1	30.5	598	25
FS InVISION	FS 59VL1 EZR	3220,B	109	197.9	17.0	1	29.2	592	30

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Averages = **199.3** **17.1** **1** **29.2** **595**

LSD (0.10) = 12.4 0.6 ns

LSD (0.25) = 6.3 0.3 ns

C.V. = 5.9 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: *Timely planting was followed by weather extremes. Cool and wet late April. Hot and wet June. June 28th and 29th dumped nearly 16" of rain. August had below average temperatures much of the month. Crop was in full pollination when a heavy rain event in late June came through. Likely some denitrification too. Chris noted, "Not going to be a bumper crop, but it's pretty good corn."*

† 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: 9/27/2017 Revised:

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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.