

2018 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] ORCHARD FARM
 Scott Boschert, St. Charles County, MO 63301



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

PREV. CROP/HERB: Soybean / Blanket, Ledger, Tomahawk 5, Roundup
 SOIL DESCRIPTION: Desioux loam, well drained, non-irrigated
 SOIL CONDITION: Conventional w/ fall till, high P, very high K, 6.1 pH, 2.5% OM, 13.4 CEC
 PEST MANAGEMENT: SureStart II, atrazine, Roundup, Force 3G
 FERTILITY - Applied N: 23 Fall, 60 Spring, 150 Sidedress
 Applied N-P-K (units): 233-60-90
 SEEDED - RATE - ROW: May 2 35,900 /A 30" spacing
 HARVESTED - STAND: Sep 27 33,500 /A

Early-Season Test

107 - 112 Day CRM
 B2018MOCE06a

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
NuTech/G2 Gen	5FB-9909	AM,B	109	250.5	14.8	1	34.3	814	1
NuTech/G2 Gen	5FN-8808	OI	108	240.1	14.8	1	33.7	780	2
Epley	E2201GTCBLL	3010	112	239.7	15.2	3	33.0	777	3
NK Brand	NK1066-3120-EZR	3120,B	110	233.8	15.0	2	33.7	760	5
Lewis	12DP779	VT2P,B	112	232.4	15.0	2	32.7	755	6
Lewis	11DP768	VT2P,B	111	231.8	15.8	1	32.3	747	9
Lewis	08DP739	VT2P,B	108	231.2	15.0	1	34.0	751	7
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	230.6	14.9	2	33.3	749	8
Pioneer	P1197AM GC	AM,B	111	229.7	15.2	1	34.0	745	10
Pfister	69E2SSR	STX,B	109	225.7	14.8	1	34.3	734	11
Dekalb	DKC60-88RIB GC	VT2P,B	110	225.4	14.8	1	32.0	733	12
Golden Harvest	G11A33-3111	3111	111	224.3	15.1	1	34.0	728	13
AgriGold	A641-78STXRIB	STX,B	111	222.8	14.9	2	33.7	724	14
LG Seeds	LG5606STXRIB	STX,B	111	221.9	14.8	1	33.7	721	15
Pfister	71C1PCR	PC,B	111	221.9	15.1	1	32.7	720	16
NuTech/G2 Gen	5FB-1010	AM,B	110	221.3	14.9	1	32.7	719	17
FS InVISION	FS 60UX1 RIB	STX,B	110	220.2	15.2	1	33.7	714	18
Lewis	10DP719	VT2P,B	110	219.2	14.9	1	32.3	712	19
FS InVISION	FS 60QV1 RIB	VT2P,B	110	218.8	14.6	1	33.7	711	20
FS InVISION	FS 62ZX1 RIB	STX,B	112	218.7	15.4	2	34.7	708	22
NuTech	5VN-4707	3111	107	218.2	14.6	1	34.3	709	21
LG Seeds	LG59C66VT2PRO	VT2P	109	217.8	15.0	1	33.7	708	23
Pfister	69D3RR	RR2	109	217.2	14.7	1	33.7	706	24
NK Brand	NK0962-3220A-EZR	3220,A,B	109	215.2	14.9	2	34.7	699	25
Pfister	68A1PE	PC,E	108	214.5	14.9	1	34.3	697	26
Great Heart	HT-7244VT2PRIB	VT2P,B	112	214.1	15.4	1	34.0	693	27
AgriGold	A638-74VT2PRO	VT2P	108	213.1	15.0	1	33.7	693	28
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	209.7	14.9	2	34.0	682	29
AgriGold	A642-59STXRIB	STX,B	112	209.7	15.0	2	34.3	682	30
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	208.8	15.1	1	32.7	678	31
Pioneer	P1366AM CK	AM,B	113	235.6	15.2	1	34.0	764	4

William C. Schelp

William Schelp

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Averages = **221.3** **15.0** **1** **33.5** **718**

LSD (0.10) = 11.4 0.2 ns

LSD (0.25) = 6.0 0.1 ns

C.V. = 4.9 Prev. years average yield, 233.3 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: *This site headed directly into summer weather patterns immediately after planting. May brought record warmth to Missouri this year. Stress during the pollination period limited yield potential somewhat. Stalk quality was very good at harvest. No sign of stalk quality degradation. Scott, our host farmer, mentioned his corn was yielding a tad less than last year. This is a good river bottom 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: 9/28/2018 Revised:

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 FERTILITY - Applied N: 23 Fall, 60 Spring, 150 Sidedress
 Applied N-P-K (units): 233-60-90
 SEEDING - RATE - ROW: May 2 35,900 /A 30" spacing
 HARVESTED - STAND: Sep 27 33,000 /A

Full-Season Test
113 - 117 Day CRM
 B2018MOCE06b

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
Golden Harvest	G15L32-3110	3110	115	243.5	15.9	1	33.3	784	1
FS InVISION	FS 64SV1 RIB	VT2P,B	114	241.9	15.2	1	33.3	784	2
AgriGold	A6544VT2RIB	VT2P,B	113	241.2	15.2	1	34.0	782	3
Pioneer	P1637AM GC	AM,B	116	238.6	15.6	1	33.0	770	4
NuTech/G2 Gen	5FN-2213	OI	113	237.1	15.4	1	34.0	767	5
Lewis	14DP857	VT2P,B	114	236.0	15.1	1	33.7	766	6
NK Brand	NK1573-3110	3110	115	235.2	15.6	1	32.7	759	7
Pfister	75Y1PCR	PC,B	115	234.3	15.9	1	33.3	754	9
AgriGold	A646-12STXRIB	STX,B	116	231.6	15.5	3	33.7	749	10
Pfister	77C1SE	STX,E	117	231.6	15.6	1	32.7	748	11
NuTech/G2 Gen	5LB-7215	AMXT,B	115	231.1	15.5	1	33.3	747	12
Great Heart	HT-7302VT2PRIB	VT2P,B	113	230.6	15.4	1	33.0	746	13
NK Brand	NK1433-3120-EZR	3120,B	114	229.9	15.2	2	33.3	746	14
Great Heart	HT-7342VT2PRIB	VT2P,B	113	229.8	15.4	2	33.3	744	15
LG Seeds	LG5663VT2RIB	VT2P,B	115	228.8	15.8	1	34.0	737	16
Lewis	16DP887	VT2P,B	116	228.6	16.7	1	33.7	729	19
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	227.7	15.9	1	33.0	733	17
LG Seeds	LG5650VT2RIB	VT2P,B	115	226.2	15.6	1	32.0	730	18
LG Seeds	LG5643VT2RIB	VT2P,B	114	225.1	15.4	1	33.0	728	20
Stine	9814-10 GC	3010	118	222.9	17.0	1	33.3	709	24
AgriGold	A6572VT2RIB	VT2P,B	114	221.7	15.7	1	32.3	715	22
Lewis	R1414VT2P	VT2P,B	114	221.4	15.3	1	33.3	717	21
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	219.8	15.4	1	33.7	711	23
NuTech/G2 Gen	5FB-4516	AM,B	116	218.0	15.4	1	32.3	705	25
Great Heart	HT-7486SSRIB	STX,B	114	215.3	15.3	1	33.0	697	26
Pfister	2874PCR	PC,B	113	214.6	15.4	1	33.0	694	27
Stine	9808E-20 GC	3110	115	211.4	15.7	1	33.3	682	28
Dekalb	DKC64-35RIB GC	VT2P,B	114	211.1	15.7	1	32.3	681	30
NuTech/G2 Gen	5FB-3113	AM,B	113	210.1	15.1	1	34.0	682	29
Golden Harvest	G13Z50-3110	3110	113	206.6	15.3	1	33.7	669	31
Pioneer	P1366AM CK	AM,B	113	233.0	15.0	1	33.0	757	8

Averages = **222.6** **15.6** **1** **33.0** **719**

LSD (0.10) = 11.4 0.4 1

LSD (0.25) = 6.0 0.2 1

C.V. = 4.9 Prev. years average yield, 233.3 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

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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.