

2018 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] VANDALIA
Charlie Cobb, Audrain County, MO 63361



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

PREV. CROP/HERB: Soybean / Authority MTZ, Parallel, Warrant, Roundup
SOIL DESCRIPTION: Mexico silt loam, moderately drained, irrigated
SOIL CONDITION: Minimum w/o fall till, medium P, medium K, 5.4 pH, 2.5% OM, 11.6 CEC
PEST MANAGEMENT: Degree Xtra, Mesotrione, Silencer, Force 3G
FERTILITY - Applied N: 142 Spring, 60 Sidedress
Applied N-P-K (units): 202-78-60
SEEDING - RATE - ROW: Apr 30 34,700 /A 30" spacing
HARVESTED - STAND: Sep 23 34,000 /A

Early-Season Test

107 - 112 Day CRM
B2018MOCE05a

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	12DP779	VT2P,B	112	260.0	15.8	13	33.7	838	1
NuTech/G2 Gen	5FB-9909	AM,B	109	257.0	15.3	18	34.0	833	2
Pfister	71C1PCR	PC,B	111	253.9	15.8	1	33.7	818	3
Lewis	08DP739	VT2P,B	108	251.7	15.4	5	34.0	815	4
Lewis	11DP768	VT2P,B	111	251.0	16.7	6	34.0	801	9
LG Seeds	LG5606STXRIB	STX,B	111	250.7	15.3	10	34.3	812	5
LG Seeds	LG62C02STX	STX	112	250.3	15.7	9	34.0	807	6
AgriGold	A642-59STXRIB	STX,B	112	249.2	15.6	3	33.7	805	7
FS InVISION	FS 62ZX1 RIB	STX,B	112	248.5	16.0	6	34.3	799	12
NuTech/G2 Gen	5FN-8808	OI	108	248.2	15.3	30	34.0	804	8
Pioneer	P1197AM GC	AM,B	111	247.6	15.8	40	34.3	798	13
Golden Harvest	G08M20-3010	3010	108	247.5	15.4	23	34.3	801	10
Dekalb	DKC60-88RIB GC	VT2P,B	110	246.7	15.2	5	34.0	800	11
NuTech/G2 Gen	5FB-1010	AM,B	110	244.4	16.3	17	34.0	783	15
Great Heart	HT-7244VT2PRIB	VT2P,B	112	242.0	16.2	7	34.3	776	17
AgriGold	A641-78STXRIB	STX,B	111	240.8	15.4	8	34.0	779	16
Lewis	10DP719	VT2P,B	110	239.8	16.1	11	34.3	770	18
NuTech	5NN-8812	3000GT	112	237.7	16.4	18	33.7	761	22
Pfister	69E2SSR	STX,B	109	237.4	16.0	4	34.3	763	19
FS InVISION	FS 60UX1 RIB	STX,B	110	236.4	15.6	4	34.0	763	20
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	236.4	15.8	2	34.0	762	21
Golden Harvest	G11A33-3111	3111	111	235.8	15.6	2	33.3	761	23
NuTech/G2 Gen	5FB-1211	AM,B	111	235.6	16.5	17	34.0	753	24
AgriGold	A638-74VT2PRO	VT2P	108	231.9	15.3	8	34.0	751	25
LG Seeds	LG59C66VT2PRO	VT2P	109	231.4	15.5	15	33.7	748	26
Epley	E2001GTCBLL	3010	110	225.3	15.8	20	34.0	726	28
Pfister	68A1PE	PC,E	108	225.2	15.5	19	34.0	728	27
FS InVISION	FS 60QV1 RIB	VT2P,B	110	223.5	15.3	27	34.0	724	29
Pfister	69D3RR	RR2	109	220.1	15.3	2	34.0	713	30
NuTech	5VN-4707	3111	107	215.7	15.7	33	34.0	696	31
Pioneer	P1366AM CK	AM,B	113	247.7	16.7	3	34.0	790	14

William C. Schelp

William Schelp

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Averages = **234.9** **15.9** **17** **34.0** **757**

LSD (0.10) = 18.4 0.5 14

LSD (0.25) = 9.6 0.2 8

C.V. = 7.4 Prev. years average yield, 256.1 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: Site got off to a great start with quick and even emergence. Irrigation began in June, supplying a season total of 8" water, sulfur, boron, zinc, and copper. By mid-summer, the tests looked outstanding. August 6 brought 70 mph winds that caused root and stalk lodging that reduced yield of some products. Damage to area dryland fields was even worse. Charlie is satisfied with his corn yields.

† 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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 FERTILITY - Applied N: 142 Spring, 60 Sidedress
 Applied N-P-K (units): 202-78-60
 SEEDING - RATE - ROW: Apr 30 34,700 /A 30" spacing
 HARVESTED - STAND: Sep 23 34,000 /A

Full-Season Test
113 - 117 Day CRM
 B2018MOCE05b

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
LG Seeds	LG5663VT2RIB	VT2P,B	115	269.3	16.6	2	34.3	860	1
Pfister	77C1SE	STX,E	117	257.7	17.6	1	33.7	814	3
Pioneer	P1637AM GC	AM,B	116	256.6	17.6	16	34.0	811	4
FS InVISION	FS 64SV1 RIB	VT2P,B	114	255.9	16.3	6	34.0	820	2
Lewis	R1414VT2P	VT2P,B	114	253.6	16.5	3	34.0	811	5
Lewis	16DP887	VT2P,B	116	252.6	17.3	19	34.0	801	6
FS InVISION	FS 67SV1 RIB	VT2P,B	117	250.3	17.5	1	34.0	792	8
LG Seeds	LG5650VT2RIB	VT2P,B	115	249.6	16.6	17	34.0	797	7
Lewis	14DD849	VT2P,DG,B	114	249.4	17.6	11	34.0	788	9
NuTech/G2 Gen	5FN-2213	OI	113	245.4	16.5	23	34.0	785	10
Golden Harvest	G15L32-3110	3110	115	245.3	17.2	15	34.3	778	13
AgriGold	A6572VT2RIB	VT2P,B	114	245.0	16.7	8	34.3	782	11
NK Brand	NK1573-3110	3110	115	244.8	17.0	20	34.0	778	14
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	243.2	16.8	5	34.3	775	16
Golden Harvest	G13Z50-3110	3110	113	242.9	16.6	10	34.0	776	15
Dekalb	DKC64-35RIB GC	VT2P,B	114	242.2	15.8	4	34.0	780	12
NuTech/G2 Gen	5FB-4516	AM,B	116	240.9	17.6	30	34.0	761	21
AgriGold	A6544VT2RIB	VT2P,B	113	240.8	16.5	28	34.0	770	17
LG Seeds	LG5643VT2RIB	VT2P,B	114	240.6	16.6	49	34.0	768	19
Lewis	14DP857	VT2P,B	114	238.2	15.5	6	34.0	770	18
Pfister	75Y1PCR	PC,B	115	235.8	17.1	26	33.7	749	23
Great Heart	HT-7302VT2PRIB	VT2P,B	113	233.8	16.0	12	33.7	752	22
Great Heart	HT-7486SSRIB	STX,B	114	233.2	16.6	4	34.0	745	24
AgriGold	A646-12STXRIB	STX,B	116	229.5	16.6	16	34.0	733	25
Pfister	2874PCR	PC,B	113	229.0	16.4	25	34.0	733	26
NuTech/G2 Gen	5FB-3113	AM,B	113	228.7	16.3	23	34.0	733	27
Pioneer	P1442AM GC	AM,B	114	226.8	17.7	16	34.3	716	29
NK Brand	NK1433-3120-EZR	3120,B	114	226.0	17.5	7	34.0	715	30
Stine	9808E-20 GC	3110	115	222.8	17.0	8	34.3	709	31
Stine	9746-20 GC	3110	114	222.5	15.3	1	34.0	721	28
Pioneer	P1366AM CK	AM,B	113	238.7	16.2	6	34.0	766	20

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Averages =	237.9	16.8	14	34.0	758
LSD (0.10) =	12.3	0.5	12		
LSD (0.25) =	6.4	0.3	7		
C.V. =	4.9				Prev. years average yield, 256.1 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: Site got off to a great start with quick and even emergence. Irrigation began in June, supplying a season total of 8" water, sulfur, boron, zinc, and copper. By mid-summer, the tests looked outstanding. August 6 brought 70 mph winds that caused root and stalk lodging that reduced yield of some products. Damage to area dryland fields was even worse. Charlie is satisfied with his corn yields.

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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.