

2018 Corn Grain Top 30 Harvest Report

Missouri Central [MOCE] PERRY
Taylor Braungardt, Ralls County, MO 63334



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

PREV. CROP/HERB: Soybean / Roundup, Authority MTZ, Parallel
SOIL DESCRIPTION: Putnam silt loam, moderately drained, non-irrigated
SOIL CONDITION: Conventional w/o fall till, high P, medium K, 6.2 pH, 2.7% OM, 13.8 CEC
PEST MANAGEMENT: Parallel Plus, Impact, Force 3G
FERTILITY - Applied N: 36 Fall, 110 Spring, 70 Sidedress
Applied N-P-K (units): 216-92-90
SEEDING - RATE - ROW: Apr 30 30,400 /A 30" spacing
HARVESTED - STAND: Sep 24 29,900 /A

Early-Season Test
107 - 112 Day CRM
B2018MOCE04a

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
Pfister	71C1PCR	PC,B	111	192.1	17.2	1	30.0	610	2
AgriGold	A641-78STXRIB	STX,B	111	191.4	16.0	2	30.0	615	1
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	187.4	16.1	1	30.0	602	3
Lewis	08DP739	VT2P,B	108	185.0	16.0	4	29.7	595	4
Epley	E2001GTCBLL	3010	110	184.8	16.5	1	29.3	591	6
LG Seeds	LG62C02STX	STX	112	184.2	16.1	1	30.3	592	5
Lewis	11DP768	VT2P,B	111	181.2	17.4	2	30.0	574	7
NuTech/G2 Gen	5FB-1211	AM,B	111	179.2	16.4	6	29.0	574	8
AgriGold	A642-59STXRIB	STX,B	112	176.0	15.8	9	30.0	567	9
NuTech/G2 Gen	5FN-8808	OI	108	175.3	16.0	6	30.0	564	10
LG Seeds	LG5606STXRIB	STX,B	111	173.6	15.9	2	29.0	559	11
Epley	E2201GTCBLL	3010	112	173.2	16.9	6	30.0	551	15
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	173.1	16.5	10	29.7	553	12
FS InVISION	FS 62ZX1 RIB	STX,B	112	171.8	16.1	1	30.0	552	14
NuTech/G2 Gen	5FB-9909	AM,B	109	171.7	15.8	2	30.0	553	13
NuTech/G2 Gen	5FB-1010	AM,B	110	170.0	15.7	9	29.7	548	16
Pfister	69E2SSR	STX,B	109	169.3	17.3	1	30.0	537	17
Great Heart	HT-7244VT2PRIB	VT2P,B	112	167.4	16.7	6	29.7	534	18
NuTech	5NN-8812	3000GT	112	165.3	17.4	1	30.3	523	26
Pfister	68A1PE	PC,E	108	164.8	15.4	1	30.0	533	19
LG Seeds	LG59C66VT2PRO	VT2P	109	164.6	16.4	13	31.0	527	21
FS InVISION	FS 60UX1 RIB	STX,B	110	164.5	16.1	2	30.3	528	20
Golden Harvest	G08D29-3120A-EZR	3120,A,B	108	164.1	16.9	22	30.0	522	27
Pioneer	P1197AM GC	AM,B	111	163.3	15.9	1	30.0	526	22
Golden Harvest	G11A33-3111	3111	111	163.3	15.8	7	30.3	526	23
Lewis	12DP779	VT2P,B	112	162.6	15.7	1	30.0	524	25
Golden Harvest	G08M20-3010	3010	108	162.4	15.4	6	30.0	526	24
AgriGold	A638-74VT2PRO	VT2P	108	159.4	15.9	4	29.7	513	28
Lewis	10DP719	VT2P,B	110	158.7	15.9	12	29.3	511	29
Dekalb	DKC60-88RIB GC	VT2P,B	110	156.4	16.0	29	31.3	503	31
Pioneer	P1366AM CK	AM,B	113	158.8	16.2	1	30.0	509	30

Averages = **167.3** **16.2** **8** **29.9** **536**

LSD (0.10) = 18.7 0.7 15

LSD (0.25) = 13.0 0.5 10

C.V. = 8.2

New test site, no yield history

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.25; non-GMO = \$3.25

Test Comments: *This is a new central Missouri FIRST site. Emergence was quick and uniform. Record heat in May preceded a dry bias. Taylor, our host grower, mentioned it was "extremely dry after pollination". An August 6 wind event, with sustained 60 mph winds for an hour caused stalk lodging and greensnap of some products to cause reduced and varying yields. Taylor said of the trial, "it had so much potential".*

† 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: 9/26/2018 Revised:

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FERTILITY - Applied N: 36 Fall, 110 Spring, 70 Sidedress
Applied N-P-K (units): 216-92-90
SEEDING - RATE - ROW: Apr 30 30,400 /A 30" spacing
HARVESTED - STAND: Sep 24 29,700 /A

Full-Season Test
113 - 117 Day CRM
B2018MOCE04b

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
FS InVISION	FS 67SV1 RIB	VT2P,B	117	199.9	17.3	1	30.0	634	1
FS InVISION	FS 64SV1 RIB	VT2P,B	114	195.5	17.0	4	30.0	622	2
Great Heart	HT-7302VT2PRIB	VT2P,B	113	192.3	16.8	1	30.0	613	3
NuTech/G2 Gen	5FN-2213	OI	113	191.8	16.6	7	30.0	613	4
LG Seeds	LG5650VT2RIB	VT2P,B	115	189.8	16.9	10	29.7	604	5
Lewis	14DD849	VT2P,DG,B	114	187.9	17.6	1	29.3	594	6
Pfister	75Y1PCR	PC,B	115	185.5	17.9	5	30.7	584	7
Pfister	77C1SE	STX,E	117	184.8	18.6	5	30.0	577	9
Lewis	R1414VT2P	VT2P,B	114	182.1	16.9	14	29.7	580	8
NuTech/G2 Gen	5LB-7215	AMXT,B	115	181.3	17.3	14	29.7	575	11
Great Heart	HT-7486SSRIB	STX,B	114	181.2	17.4	1	30.0	574	12
AgriGold	A6572VT2RIB	VT2P,B	114	180.2	16.6	9	29.7	576	10
AgriGold	A646-12STXRIB	STX,B	116	176.9	16.2	27	30.0	567	13
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	176.7	17.6	9	29.7	558	14
LG Seeds	LG5663VT2RIB	VT2P,B	115	173.6	17.0	11	29.3	552	15
NuTech/G2 Gen	5FB-4516	AM,B	116	173.3	17.7	19	29.3	547	18
Pfister	2874PCR	PC,B	113	171.9	16.8	3	29.7	548	16
Golden Harvest	G15L32-3110	3110	115	171.7	16.6	2	29.3	548	17
NK Brand	NK1433-3120-EZR	3120,B	114	171.0	17.4	29	29.7	541	19
AgriGold	A6544VT2RIB	VT2P,B	113	169.5	16.7	10	29.3	541	20
Pioneer	P1637AM GC	AM,B	116	165.4	17.1	29	30.7	525	21
Great Heart	HT-7342VT2PRIB	VT2P,B	113	164.6	16.8	19	29.3	525	22
Lewis	16DP887	VT2P,B	116	161.3	17.8	31	29.0	508	24
Pioneer	P1442AM GC	AM,B	114	160.5	17.5	10	29.7	508	25
Pfister	74D2PE	PC,E	114	158.2	18.6	3	29.3	494	27
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	155.6	16.6	27	30.3	497	26
NK Brand	NK1573-3110	3110	115	153.9	16.6	3	30.0	492	28
NuTech/G2 Gen	5FB-3113	AM,B	113	149.5	16.8	23	29.3	476	29
Lewis	14DP857	VT2P,B	114	146.5	16.6	45	29.7	468	30
Golden Harvest	G13Z50-3110	3110	113	144.3	16.7	43	30.0	460	31
Pioneer	P1366AM CK	AM,B	113	162.8	17.0	1	29.3	518	23

Averages = **168.2** **17.2** **15** **29.7** **534**

LSD (0.10) = 20.2 0.9 23

LSD (0.25) = 14.1 0.6 16

C.V. = 8.8 New test site, no yield history

William C. Schelp

William Schelp

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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.