

2018 Corn Grain Top 30 Harvest Report

Missouri North [MONO] CHILLICOTHE
Howard Baker, Livingston County, MO 64643



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

PREV. CROP/HERB: Soybean / Authority MTZ, Liberty
SOIL DESCRIPTION: Lagonda silty clay loam, moderately drained, non-irrigated
SOIL CONDITION: Conventional w/o fall till, high P, medium K, 6 pH, 3.7% OM, 16.8 CEC
PEST MANAGEMENT: Bicep II Magnum, Callisto, atrazine, Force 3G
FERTILITY - Applied N: 180 Spring
Applied N-P-K (units): 180-50-50
SEEDING - RATE - ROW: Apr 26 32,400 /A 30" spacing
HARVESTED - STAND: Sep 17 30,100 /A

Early-Season Test
107 - 112 Day CRM
B2018MONO03a

Top 30 of 48

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	10DP719	VT2P,B	110	178.2	18.5	1	29.3	557	2
NuTech/G2 Gen	5FB-9909	AM,B	109	176.2	17.4	1	28.7	558	1
Champion	61A19VT2ProRIB	VT2P	111	173.0	18.2	1	31.0	543	3
Lewis	12DP779	VT2P,B	112	171.6	18.5	1	30.7	537	4
Golden Harvest	G11A33-3111	3111	111	167.4	18.6	1	30.0	523	6
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	167.0	17.9	1	30.7	526	5
Lewis	11DP768	VT2P,B	111	165.7	20.1	1	30.3	509	8
Green Valley	GV8282VT2PRORIB	VT2P,B	112	164.9	18.6	1	31.0	515	7
ProHarvest	8277StaxRIB	STX,B	112	161.3	18.0	1	29.7	507	9
Wyffels	W7456RIB	VT2P,B	112	160.6	19.2	1	29.3	498	13
Epley	E2201GTCBLL	3010	112	160.2	20.0	1	29.7	493	16
Dyna-Gro	D52VC15	VT2P	112	160.1	18.7	1	31.0	500	11
Champion	62A18VT2ProRIB	VT2P,B	112	159.2	17.9	1	30.3	501	10
AgriGold	A638-74VT2PRO	VT2P	108	158.7	17.8	1	28.7	500	12
Renk	RK877DGV2P	VT2P,DG,B	111	158.3	18.2	1	30.0	497	14
NK Brand	NK1066-3120-EZR	3120,B	110	157.5	18.2	1	30.3	494	15
Lewis	10DP747	VT2P,B	110	156.7	18.6	2	30.0	490	19
Epley	E2001GTCBLL	3010	110	156.2	18.1	1	30.7	491	18
AgriGold	A642-59STXRIB	STX,B	112	155.3	18.2	1	31.0	487	21
NK Brand	NK0962-3220A-EZR	3220,A,B	109	155.2	18.1	1	30.3	488	20
Golden Harvest	G08M20-3010	3010	108	154.4	16.7	1	29.7	493	17
Pfister	71C1PCR	PC,B	111	154.3	20.0	1	31.0	474	25
FS InVISION	FS 60UX1 RIB	STX,B	110	153.2	18.0	1	29.0	482	22
NuTech/G2 Gen	5FB-1010	AM,B	110	152.9	17.7	1	29.7	482	23
LG Seeds	LG62C02STX	STX	112	151.1	18.9	1	30.3	470	28
Pioneer	P1197AM GC	AM,B	111	150.3	17.3	1	29.3	476	24
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	149.9	17.9	1	29.0	472	26
Dyna-Gro	D52SS63	STX	112	149.2	18.4	1	30.0	467	30
Renk	RK815SSSTX	STX,B	110	149.1	17.5	1	30.3	472	27
Pfister	68A1PE	PC,E	108	148.4	17.7	1	30.0	468	29
Pioneer	P1366AM CK	AM,B	113	132.9	18.2	1	29.3	417	46

Averages = **151.1** **18.3** **1** **30.1** **474**

LSD (0.10) = 19.0 0.6 ns

LSD (0.25) = 9.9 0.3 ns

C.V. = 11.9 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: *Droughty conditions did not relent. Howard, our host farmer, said of June/July, "too many days above 95 with limited moisture, 110 degree heat index, and nights in 80's for 15 days in row right at pollination. Everything combined arrested ear development.*

Nosed it back really hard." In August, this area was rated "Exceptional Drought" by NOAA/NWS. High stress here but some products endured.

† 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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PEST MANAGEMENT: Bicep II Magnum, Callisto, atrazine, Force 3G
FERTILITY - Applied N: 180 Spring
Applied N-P-K (units): 180-50-50
SEEDING - RATE - ROW: Apr 26 32,400 /A 30" spacing
HARVESTED - STAND: Sep 17 30,300 /A

Full-Season Test
113 - 116 Day CRM
B2018MONO03b

Top 30 of 48

For Gross Income (Sorted by Yield)

Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Green Valley	GV8452VT2PRODGRIB	VT2P,DG,B	114	168.7	20.3	1	30.0	517	1
AgriGold	A6572VT2RIB	VT2P,B	114	166.1	19.9	1	30.5	511	2
Lewis	16DP887	VT2P,B	116	163.8	20.2	1	31.0	503	4
Pfister	77C1SE	STX,E	117	162.7	22.9	1	30.0	484	9
Lewis	14DP857	VT2P,B	114	162.6	18.7	1	30.0	507	3
NuTech/G2 Gen	5FN-2213	OI	113	161.9	19.8	1	31.0	499	5
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	114	161.8	20.9	1	32.0	492	6
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	159.7	20.0	1	30.0	491	7
LG Seeds	LG5650VT2RIB	VT2P,B	115	159.6	20.3	1	29.0	489	8
Green Valley	GV8362VT2PRORIB	VT2P,B	113	154.8	20.4	1	29.5	474	11
Renk	RK945DGV2P	VT2P,DG	115	153.9	19.6	1	29.5	475	10
Lewis	15DP899	VT2P,B	115	150.7	20.9	1	31.0	459	14
NuTech/G2 Gen	5FB-6313	AM,B	113	150.5	20.5	1	31.0	460	12
Wyffels	W8646RIB	VT2P,B	116	149.3	22.0	1	31.5	449	16
Dekalb	DKC64-35RIB GC	VT2P,B	114	148.4	19.2	1	32.0	460	13
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	146.5	19.8	1	30.5	452	15
AgriGold	A646-12STXRIB	STX,B	116	145.0	20.3	1	30.0	444	17
LG Seeds	LG5663VT2RIB	VT2P,B	115	140.7	19.9	1	28.5	433	19
Lewis	R1414VT2P	VT2P,B	114	140.1	20.1	1	31.5	430	22
Golden Harvest	G15L32-3110	3110	115	139.6	19.5	1	31.0	432	20
FS InVISION	FS 64SV1 RIB	VT2P,B	114	139.5	18.7	1	31.0	435	18
Pfister	74D2PE	PC,E	114	137.8	22.2	1	30.0	413	25
Pfister	75Y1PCR	PC,B	115	135.4	22.2	1	30.0	406	28
Renk	RK937SSTX	STX	113	135.3	19.0	1	29.5	421	24
Champion	CSX63A17DGV2ProRIB	VT2P,DG,B	113	135.0	18.5	1	29.0	422	23
NK Brand	NK1433-3120-EZR	3120,B	114	135.0	20.7	1	29.5	412	26
Champion	CSX65A17VT2ProRIB	VT2P,B	115	133.0	20.6	1	30.5	406	29
Renk	RK965VT2P	VT2P,B	116	132.8	21.2	1	30.0	403	30
Renk	RK961VT2P	VT2P,B	116	132.7	21.4	1	29.0	402	31
NK Brand	NK1573-3110	3110	115	132.1	19.8	1	30.5	407	27
Pioneer	P1366AM CK	AM,B	113	137.4	18.2	1	30.5	431	21

Averages = **136.1** **20.6** **1** **30.3** **416**

LSD (0.10) = 23.9 0.9 ns

LSD (0.25) = 12.5 0.5 ns

C.V. = 13.5 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: *Droughty conditions did not relent. Howard, our host farmer, said of June/July, "too many days above 95 with limited moisture, 110 degree heat index, and nights in 80's for 15 days in row right at pollination. Everything combined arrested ear development. Nosed it back really hard." In August, this area was rated "Exceptional Drought" by NOAA/NWS. High stress here but some products endured.*

† 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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2018 Corn Grain - Missouri North [MONO]



Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A638-74VT2PRO	VT2P	AC,P5V	108	Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111
AgriGold	A641-78STXRIB	STX,B	AC,P5V	111	Wyffels	W7456RIB	VT2P,B	AC,P5V	112
AgriGold	A642-59STXRIB	STX,B	AC,P5V	112	Wyffels	W7576RIB	VT2P,B	AC,P5V	112
Augusta	A5162GT3000	3000GT	CM,C2	112					
Champion	61A19VT2ProRIB	VT2P	AC,P2	111					
Champion	62A18VT2ProRIB	VT2P,B	AC,P2	112					
Dyna-Gro	D52SS63	STX	AC,P5V	112					
Dyna-Gro	D52VC15	VT2P	AC,P5V	112					
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					
Green Valley	GV8282VT2PRORIB	VT2P,B	AC,P2	112					
Lewis	10DP719	VT2P,B	AC,P2	110					
Lewis	10DP747	VT2P,B	AC,P5V	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,l	112					
NuTech	5VN-4707	3111	MQ,P5V,R	107					
NuTech/G2 Gen	5F-308	AM,B	MQ,P5V,R	108					
NuTech/G2 Gen	5FB-1010	AM,B	MQ,P5V,R	110					
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,ln	108					
Pfister	69D3RR	RR2	CM,C5,Vi,ln	109					
Pfister	69E2SSR	STX,B	CM,C5,Vi,ln	109					
Pfister	71C1PCR	PC,B	CM,C5,Vi,ln	111					
Pioneer	P1197AM GC	AM,B	MQ,P1V,R	111					
Pioneer	P1366AM CK	AM,B	MQ,P1V,R	113					
ProHarvest	8277StaxRIB	STX,B	AC,P5V	112					
Renk	RK779SSTX	STX	AC,P5V	108					
Renk	RK815SSTX	STX,B	AC,P2	110					
Renk	RK842SSTX	STX	AC,P5V	112					

2018 Corn Grain - Missouri North [MONO]



Full-Season Test Products (48 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	Stine	9746-20 GC	3110	Se,Sa,Sn,Sp	114
AgriGold	A6544VT2RIB	VT2P,B	AC,P5V	113	Wyffels	W7976RIB	VT2P,B	AC,P5V	113
AgriGold	A6572VT2RIB	VT2P,B	AC,P5V	114	Wyffels	W8646RIB	VT2P,B	AC,P5V	116
Champion	66A18VT2ProRIB	VT2P,B	AC,P2	116					
Champion	CSX63A17DGV2ProRIB	VT2P,DG,B	AC,P2	113					
Champion	CSX64A15DGV2ProRIB	VT2P,DG,B	AC,P2	114					
Champion	CSX65A17VT2ProRIB	VT2P,B	AC,P2	115					
Dekalb	DKC64-35RIB GC	VT2P,B	AC,P2	114					
Dyna-Gro	D55VC45	VT2P	AC,P5V	115					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64RL0 EZR	3120,B	CM,C2,Vi	114					
FS InVISION	FS 64SV1 RIB	VT2P,B	AC,P2	114					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
Golden Harvest	G13T41-3010	3010	AVC,C5,Vi	113					
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-7381VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7486SSRIB	STX,B	AC,P5V	114					
Green Valley	GV8362VT2PRORIB	VT2P,B	AC,P2	113					
Green Valley	GV8452VT2PRODGRIB	VT2P,DG,B	AC,P2	114					
Lewis	14DP857	VT2P,B	AC,P2	114					
Lewis	15DP899	VT2P,B	AC,P2	115					
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-4516	AM,B	CM,C2,R,Lu	116					
NuTech/G2 Gen	5FB-6313	AM,B	CM,C2,R,Lu	113					
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					
Renk	RK937SSTX	STX	AC,P5V	113					
Renk	RK945DGV2P	VT2P,DG	AC,P2	115					
Renk	RK961VT2P	VT2P,B	AC,P2	116					
Renk	RK965VT2P	VT2P,B	AC,P2	116					

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.