

2018 Corn Grain Top 30 Harvest Report

Missouri North [MONO] PALMYRA
Shawn Kiefaber, Marion County, MO 63461



PREV. CROP/HERB: Corn, 2+ Yr / Acuron, Roundup
SOIL DESCRIPTION: Belknap-Fatima silt loam, mod. well drained, non-irrigated
SOIL CONDITION: No-till, very high P, very high K, 5.2 pH, 2.7% OM, 16.2 CEC
PEST MANAGEMENT: Acuron, glyphosate, Tombstone, Force 3G
FERTILITY - Applied N: 249 Spring
Applied N-P-K (units): 249-80-80
SEEDING - RATE - ROW: May 24 32,400 /A 30" spacing
HARVESTED - STAND: Oct 29 32,300 /A

Early-Season Test
107 - 112 Day CRM
B2018MONO06a

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
Pioneer	P1197AM GC	AM,B	111	315.5	16.2	1	32.0	1,012	1
Dyna-Gro	D52VC15	VT2P	112	307.5	16.7	1	32.0	981	3
Green Valley	GV8282VT2PRORIB	VT2P,B	112	306.4	16.1	1	32.7	984	2
Champion	61A19VT2ProRIB	VT2P	111	301.8	16.3	1	32.0	967	4
NuTech/G2 Gen	5FB-9909	AM,B	109	298.7	15.6	1	33.3	965	5
Lewis	11DP768	VT2P,B	111	297.9	16.8	1	32.0	949	7
FS InVISION	FS 62ZX1 RIB	STX,B	112	297.8	16.7	1	32.3	950	6
Renk	RK842SSTX	STX	112	296.1	16.5	1	32.7	947	8
Lewis	10DP719	VT2P,B	110	290.5	15.9	1	32.3	935	10
NK Brand	NK0962-3220A-EZR	3220,A,B	109	290.3	15.6	1	32.0	937	9
Lewis	12DP779	VT2P,B	112	288.3	16.6	1	32.7	921	12
Golden Harvest	G09Y24-3220A-EZR	3220,A,B	109	288.0	15.7	1	32.7	929	11
AgriGold	A642-59STXRIB	STX,B	112	287.4	16.4	1	32.3	920	13
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	285.7	16.4	1	32.3	915	16
AgriGold	A638-74VT2PRO	VT2P	108	285.3	16.1	1	33.0	916	14
LG Seeds	LG59C66VT2PRO	VT2P	109	285.3	16.1	1	32.3	916	15
LG Seeds	LG62C02STX	STX	112	284.6	16.8	1	32.0	907	17
ProHarvest	8277StaxRIB	STX,B	112	281.8	16.3	1	32.3	903	18
FS InVISION	FS 60UX1 RIB	STX,B	110	281.2	16.7	1	32.3	897	20
Wyffels	W7456RIB	VT2P,B	112	278.7	17.5	1	32.3	881	26
NuTech	5VN-4707	3111	107	278.1	15.6	1	33.0	898	19
Augusta	A5162GT3000	3000GT	112	278.1	16.7	1	32.0	887	24
Pfister	68A1PE	PC,E	108	277.1	15.7	1	32.3	894	21
AgriGold	A641-78STXRIB	STX,B	111	276.7	15.6	1	32.0	893	22
NuTech/G2 Gen	5FN-8808	OI	108	276.7	15.8	1	32.3	892	23
Golden Harvest	G11A33-3111	3111	111	275.9	16.6	1	31.3	881	27
Great Heart	HT-7244VT2PRIB	VT2P,B	112	275.2	16.5	1	32.7	880	29
Wyffels	W7576RIB	VT2P,B	112	275.0	16.3	1	33.0	881	28
LG Seeds	LG5606STXRIB	STX,B	111	274.0	16.4	1	32.3	877	31
Golden Harvest	G08M20-3010	3010	108	272.8	15.8	1	32.3	879	30
Pioneer	P1366AM CK	AM,B	113	276.5	16.5	1	32.0	884	25

William C. Schelp

William Schelp

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Averages = **275.8** **16.2** **1** **32.3** **884**

LSD (0.10) = 18.0 0.4 1

LSD (0.25) = 9.4 0.2 0

C.V. = 6.2 Prev. years average yield, 200.8 bu/a, 7 yrs

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

Test Comments: Significant residue from prior years phenomenal rye cover was present at planting. Throughout the droughty summer, this residue seemed beneficial. A site visit on July 20 revealed trials pollinating just after receiving rainfall. All season this trial kept looking better. By harvest, yields did not disappoint. Yields in the full-season test are slightly lower than the early-season test due to soil differences.

† 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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SOIL CONDITION: No-till, very high P, very high K, 5.2 pH, 2.7% OM, 16.2 CEC
PEST MANAGEMENT: Acuron, glyphosate, Tombstone, Force 3G
FERTILITY - Applied N: 249 Spring
Applied N-P-K (units): 249-80-80
SEEDING - RATE - ROW: May 24 32,400 /A 30" spacing
HARVESTED - STAND: Oct 29 32,200 /A

Full-Season Test
113 - 116 Day CRM
B2018MONO06b

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
Renk	RK945DGV2P	VT2P,DG	115	298.3	18.7	1	33.0	931	3
AgriGold	A6572VT2RIB	VT2P,B	114	298.0	17.1	1	31.7	947	1
Lewis	15DP899	VT2P,B	115	297.0	17.1	1	31.7	943	2
Renk	RK937SSTX	STX	113	288.5	16.0	1	32.0	928	4
FS InVISION	FS 64SV1 RIB	VT2P,B	114	287.6	17.2	1	32.3	913	6
LG Seeds	LG5643VT2RIB	VT2P,B	114	287.1	16.8	1	32.7	915	5
NuTech/G2 Gen	5FN-2213	OI	113	286.6	17.2	1	32.0	909	7
LG Seeds	LG5650VT2RIB	VT2P,B	115	283.1	16.9	1	31.7	901	8
Lewis	16DP887	VT2P,B	116	281.0	18.2	1	30.7	882	9
Great Heart	HT-7302VT2PRIB	VT2P,B	113	277.0	17.3	1	32.3	878	12
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	275.6	17.5	1	33.0	872	14
NuTech/G2 Gen	5LB-7215	AMXT,B	115	275.5	16.7	1	32.7	879	10
Pioneer	P1637AM GC	AM,B	116	275.3	18.1	1	32.7	865	16
Dyna-Gro	D55VC45	VT2P	115	275.1	17.0	1	32.7	875	13
Lewis	14DP857	VT2P,B	114	274.7	16.4	1	32.3	879	11
Great Heart	HT-7381VT2PRIB	VT2P,B	113	273.5	17.5	1	32.3	865	17
NuTech/G2 Gen	5FB-6313	AM,B	113	272.3	17.1	1	30.7	865	18
AgriGold	A6544VT2RIB	VT2P,B	113	270.9	17.8	1	32.7	854	22
Champion	CSX63A17DGV2ProRIB	VT2P,DG,B	113	270.8	16.0	1	32.3	871	15
NK Brand	NK1573-3110	3110	115	270.4	16.6	2	32.0	864	19
Wyffels	W7976RIB	VT2P,B	113	269.3	16.7	1	32.3	859	20
Champion	66A18VT2ProRIB	VT2P,B	116	269.1	17.1	1	32.7	855	21
Lewis	R1414VT2P	VT2P,B	114	266.2	18.5	1	32.3	833	25
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	266.1	16.8	1	32.0	848	23
NuTech/G2 Gen	5FB-4516	AM,B	116	263.4	16.9	1	32.3	839	24
Dekalb	DKC64-35RIB GC	VT2P,B	114	259.9	17.4	1	32.3	823	26
LG Seeds	LG5663VT2RIB	VT2P,B	115	256.7	17.3	1	33.3	814	28
Renk	RK961VT2P	VT2P,B	116	256.6	17.1	1	32.0	815	27
Golden Harvest	G15L32-3110	3110	115	249.5	17.0	1	32.3	793	30
Golden Harvest	G13Z50-3110	3110	113	247.9	16.2	2	32.3	795	29
Pioneer	P1366AM CK	AM,B	113	237.0	16.3	1	32.7	759	38

Averages = **259.0** **17.3** **1** **32.2** **821**

LSD (0.10) = 20.7 0.7 1

LSD (0.25) = 10.8 0.4 0

C.V. = 7.6 Prev. years average yield, 200.8 bu/a, 7 yrs

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 (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.