

2017 Corn Grain Top 30 Harvest Report

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



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

PREV. CROP/HERB: Corn, 2+ Yr / Lexar, Tombstone
SOIL DESCRIPTION: Belknap/Fatima silt loam, mod. well drained, non-irrigated
SOIL CONDITION: No-till, very high P, high K, 5.6 pH, 2.5% OM, 15 CEC
PEST MANAGEMENT: Acuron, Roundup, Force
FERTILITY - Applied N: 200 Spring
Applied N-P-K (units): 200-80-80
SEEDING - RATE - ROW: May 18 34,700 /A 30" spacing
HARVESTED - STAND: Nov 10 32,200 /A

Early-Season Test
107 - 112 Day CRM
B2017MONO06a

Top 30 of 45

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	X5FN-0909^	OI	109	249.6	15.1	1	32.7	763	1
Wyffels	W6946DGRIB	VT2P,DG,B	111	248.9	15.8	1	31.4	755	2
ProHarvest	8277Stax	STX	112	247.0	15.6	1	33.1	751	3
NuTech	X5NN-1212	3000GT	112	246.7	15.9	1	32.3	747	5
Renk	RK859DGV2P	VT2P,DG	112	246.0	15.5	1	33.6	748	4
Champion	62A18VT2PRO	VT2P	112	240.4	16.0	1	31.9	727	6
Pfister	71C1PCR	PC,B	111	240.1	16.1	1	31.9	725	7
NuTech/G2 Gen	X5FN-1211^	OI	112	237.5	16.0	1	33.6	718	8
Taylor	8808VT2ProRIB	VT2P,B	108	232.9	15.6	1	31.4	708	9
Taylor	EXP C-112-14	VT2P	112	232.8	15.8	1	32.3	706	10
Renk	RK877DGV2P	VT2P,DG,B	111	230.7	15.3	1	32.3	704	11
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	229.4	15.5	1	31.9	698	12
Dekalb	DKC60-88RIB GC	VT2P,B	110	228.5	16.1	1	31.4	690	13
AgriGold	A642-59STX	STX	112	227.5	16.1	1	32.3	687	14
Golden Harvest	G07F23-3111	3111	107	225.3	15.6	1	32.7	685	15
Lewis	RD1511VT2P	VT2P,DG,B	111	224.8	15.5	1	33.6	684	16
NuTech	5N-410	3000GT	110	224.2	15.8	1	33.1	680	18
Champion	CSX57A16VT2PRORIB	VT2P,B	107	223.9	15.3	1	31.9	683	17
LG Seeds	LG5590VT2P	VT2P	110	223.0	15.8	1	31.9	676	20
Pfister	70A1SSR	STX,B	110	222.0	15.3	1	33.1	677	19
Taylor	8821VT2ProRIB	VT2P,B	110	220.8	16.1	1	31.9	667	21
Lewis	11DP768	VT2P,B	111	220.3	16.0	1	33.6	666	22
Pioneer	P1197AM GC	AM,B	111	218.7	15.6	1	31.9	665	23
Golden Harvest	G12W66-3000GT	3000GT	112	218.7	16.5	1	32.7	658	25
NuTech	5VN-4707	3111	107	218.6	15.7	1	31.4	664	24
Taylor	8012VT2ProDGRIB	VT2P,DG,B	112	215.1	15.9	1	32.3	651	27
LG Seeds	LG5618STXRIB	STX,B	112	214.3	16.0	1	31.4	648	28
Lewis	R1409VT2P	VT2P,B	109	214.2	15.0	1	33.1	655	26
AgriGold	A6499STXRIB	STX,B	112	213.9	15.9	1	32.3	648	29
AgriGold	A641-78STX	STX	111	212.4	15.7	1	31.9	645	30
MorCorn	MC4319VT2PRIB CK	VT2P,B	113	205.1	16.1	1	32.3	620	38

Averages = **219.7** **15.7** **1** **32.2** **667**

LSD (0.10) = 20.9 0.4 ns

LSD (0.25) = 11.0 0.2 ns

C.V. = 9.0 Prev. years average yield, 189.5 bu/a, 6 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.035 Prices: GMO = \$3.06; non-GMO = \$3.06

Test Comments: *More cover crops are planted every year. This site provided an opportunity to evaluate hybrids in such an environment. The cover crop included: rye 30#, oat 20#, crimson clover 10#, radish 2#, and turnip 1#. Sulfur and zinc were applied. Shawn, our host farmer, commented how it stayed wet early on, then was terribly dry in July and August. Mild August temperatures helped reduce crop stress.*

† 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: Acuron, Roundup, Force
FERTILITY - Applied N: 200 Spring
Applied N-P-K (units): 200-80-80
SEDED - RATE - ROW: May 18 34,700 /A 30" spacing
HARVESTED - STAND: Nov 10 32,100 /A

Full-Season Test
113 - 116 Day CRM
B2017MONO06b

Top 30 of 45

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	LG5643VT2PRIB	VT2P,B	114	267.4	16.1	1	32.7	808	1
NuTech/G2 Gen	5FB-9016^	AM,B	116	262.1	15.5	1	32.3	797	2
Pfister	3488PCR	PC,B	115	261.8	16.5	1	32.3	787	3
Lewis	R1414VT2P	VT2P,B	114	257.9	15.9	1	31.9	781	4
FS InVISION	FS 64SV1 RIB	VT2P,B	114	254.9	15.9	1	32.7	772	5
Taylor	EXP F-115-14	VT2P	115	252.1	16.1	1	31.9	762	6
Renk	RK924DGV2P	VT2P,DG,B	114	252.1	16.6	1	32.3	757	8
Pfister	X157137VH	PC	115	251.7	16.7	1	32.7	755	9
Dyna-Gro	D58VC65	VT2P	118	250.9	16.0	1	32.7	759	7
MorCorn	MC4377DGV2PRIB	VT2P,DG,B	113	248.9	16.1	1	32.3	752	11
Champion	CSX63A17DGV2PRO	VT2P,DG	113	248.8	15.9	1	32.7	753	10
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	247.6	16.1	1	32.3	748	12
Lewis	16DP887	VT2P,B	116	243.8	16.4	1	31.9	734	14
Renk	RK965SSTX	STX	116	243.6	15.9	1	31.4	738	13
FS InVISION	FS 63ZV1 RIB	VT2P,B	113	242.5	16.3	1	31.9	731	15
LG Seeds	LG5650VT2PRIB	VT2P,B	115	240.6	15.8	1	31.4	729	16
Pfister	2874SSR	STX,B	113	239.2	15.9	1	31.4	724	17
Epley	E2305RR	RR2	113	239.1	16.2	1	32.3	722	18
NuTech/G2 Gen	X5FN-1306^	OI	113	238.0	15.9	1	32.3	721	19
Pfister	73A2SSR	STX,B	113	235.4	16.1	1	32.3	711	20
Champion	CSX65A17VT2PRO	VT2P	115	233.6	15.7	1	31.0	709	21
Renk	RK941SSTX	STX,B	114	233.6	16.6	1	32.7	702	24
Pioneer	P1311AMXT GC	AMXT,B	113	232.8	15.8	1	33.1	706	22
Golden Harvest	G14R38-3120-EZR	3120,B	114	232.3	16.3	1	31.9	700	25
MorCorn	MCXP1716	STX	114	232.0	15.7	1	32.3	704	23
Dyna-Gro	D55VC45	VT2P	115	230.7	16.2	1	32.3	696	26
Champion	CSX64A15DGV2PRORIB	VT2P,DG,B	114	230.5	16.3	1	31.4	695	27
NuTech/G2 Gen	X5FN-1512^	OI	115	226.7	16.0	1	33.1	686	29
Champion	66A18VT2PRO	VT2P	116	223.9	15.9	1	31.4	678	30
AgriGold	A6544VT2RIB	VT2P,B	113	223.7	16.0	1	31.4	677	31
MorCorn	MC4319VT2PRIB CK	VT2P,B	113	229.6	16.2	1	31.4	693	28

Averages = **233.6** **16.0** **1** **32.1** **706**

LSD (0.10) = 23.3 ns 0

LSD (0.25) = 12.2 ns 0

C.V. = 9.5 Prev. years average yield, 189.5 bu/a, 6 yrs

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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A641-78STX	STX	AC,P5V	111					
AgriGold	A642-59STX	STX	AC,P5V	112					
AgriGold	A6499STXRIB	STX,B	AC,P5V	112					
Champion	62A18VT2PRO	VT2P	AC,P5V	112					
Champion	CSX57A16VT2PRORIB	VT2P,B	AC,P2	107					
Dekalb	DKC60-88RIB GC	VT2P,B	AC,P5V	110					
FS InVISION	FS 59VL1 EZR	3220,B	CM,C2,Vi	109					
FS InVISION	FS 60QV1 RIB	VT2P,B	AC,P2	110					
FS InVISION	FS 61SV1 RIB	VT2P,B	AC,P2	111					
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	AC,P2	112					
Golden Harvest	G07F23-3111	3111	AVC,C2,Vi	107					
Golden Harvest	G10T63-3120-EZR	3120,B	AVC,C5,Vi	110					
Golden Harvest	G12W66-3000GT	3000GT	AVC,C5,Vi	112					
Lewis	10DP747	VT2P,B	AC,P5V	110					
Lewis	11DP768	VT2P,B	AC,P5V	111					
Lewis	R1409VT2P	VT2P,B	AC,P5V	109					
Lewis	RD1511VT2P	VT2P,DG,B	AC,P5V	111					
LG Seeds	LG5590VT2P	VT2P	AC,P5V	110					
LG Seeds	LG5618STXRIB	STX,B	AC,P5V	112					
MorCorn	MC3966VT2PRIB	VT2P,B	AC,P2	109					
MorCorn	MC4319VT2PRIB CK	VT2P,B	AC,P2	113					
NuTech	5N-410	3000GT	MQ,P5V,R	110					
NuTech	5VN-4707	3111	MQ,P1V,R	107					
NuTech	X5NN-1212	3000GT	MQ,P5V,R	112					
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	X5FN-0909^	OI	MQ,P1V,R	109					
NuTech/G2 Gen	X5FN-1211^	OI	MQ,P1V,R	112					
Pfister	68A1RR	RR2	CM,C2	108					
Pfister	70A1SSR	STX,B	CM,C5,Vi,ln	110					
Pfister	71C1PCR	PC,B	CM,C5,Vi,ln	111					
Pfister	72C6SS	STX	CM,C1,Vi,ln	112					
Pioneer	P1197AM GC	AM,B	MQ,C2,R	111					
ProHarvest	8277Stax	STX	AC,P5V	112					
Renk	RK842SSTX	STX	AC,P5V	112					
Renk	RK859DGV2P	VT2P,DG	AC,P5V	112					
Renk	RK871VT2P	VT2P,B	AC,P2	111					
Renk	RK877DGV2P	VT2P,DG,B	AC,P2	111					
Stine	9734-20 GC	3110	CM,C2	111					
Taylor	8012VT2ProDGRIB	VT2P,DG,B	AC,P2	112					
Taylor	8808VT2ProRIB	VT2P,B	AC,P2	108					
Taylor	8821VT2ProRIB	VT2P,B	AC,P2	110					
Taylor	EXP C-112-14	VT2P	AC,P2	112					
Wyffels	W6898	STX	AC,P5V	112					
Wyffels	W6946DGRIB	VT2P,DG,B	AC,P2	111					

2017 Corn Grain - Missouri North [MONO]



Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
AgriGold	A6544VT2RIB	VT2P,B	AC,P5V	113					
AgriGold	A6572VT2RIB	VT2P,B	AC,P5V	114					
AgriGold	A6652VT2RIB	VT2P,B	AC,P5V	116					
Champion	66A18VT2PRO	VT2P	AC,P2	116					
Champion	CSX63A17DGV2PRO	VT2P,DG	AC,P2	113					
Champion	CSX64A15DGV2PRORIB	VT2P,DG,B	AC,P2	114					
Champion	CSX65A17VT2PRO	VT2P	AC,P5V	115					
Dyna-Gro	D55VC45	VT2P	AC,P5V	115					
Dyna-Gro	D58VC65	VT2P	AC,P5V	118					
Epley	E2305RR	RR2	MQ	113					
FS InVISION	FS 63ZV1 RIB	VT2P,B	AC,P2	113					
FS InVISION	FS 64R44	3000GT	AVC,C5,Vi	114					
FS InVISION	FS 64SV1 RIB	VT2P,B	AC,P2	114					
FS InVISION	FS 66ZV1 RIB	VT2P,B	AC,P2	116					
Golden Harvest	G14R38-3120-EZR	3120,B	AVC,C5,Vi	114					
Lewis	15DP878	VT2P,B	AC,P5V	115					
Lewis	16DP887	VT2P,B	AC,P5V	116					
Lewis	R1414VT2P	VT2P,B	AC,P5V	114					
Lewis	RD1613VT2P	VT2P,DG,B	AC,P5V	113					
LG Seeds	LG5643VT2PRIB	VT2P,B	AC,P5V	114					
LG Seeds	LG5650VT2PRIB	VT2P,B	AC,P5V	115					
MorCorn	MC4319VT2PRIB CK	VT2P,B	AC,P2	113					
MorCorn	MC4377DGV2PRIB	VT2P,DG,B	AC,P2	113					
MorCorn	MCXP1716	STX	AC,P5V	114					
NuTech/G2 Gen	5F-713^	AM,B	MQ,P5V,R	113					
NuTech/G2 Gen	5FB-9016^	AM,B	MQ,P5V,R	116					
NuTech/G2 Gen	X5FN-1306^	OI	MQ,P1V,R	113					
NuTech/G2 Gen	X5FN-1512^	OI	MQ,P1V,R	115					
Pfister	2874SSR	STX,B	CM,C5,Vi,ln	113					
Pfister	3488PCR	PC,B	CM,C5,Vi,ln	115					
Pfister	73A2SSR	STX,B	CM,C5,Vi,ln	113					
Pfister	X157137VH	PC	CM,C1,Vi,ln	115					
Pioneer	P1311AMXT GC	AMXT,B	MQ,C2	113					
Renk	RK924DGV2P	VT2P,DG,B	AC,P2	114					
Renk	RK941SSTX	STX,B	AC,P5V	114					
Renk	RK961VT2P	VT2P,B	AC,P2	116					
Renk	RK965SSTX	STX	AC,P5V	116					
Stine	9742-20 GC	3110	CM,C2	113					
Taylor	8835VT2Pro	VT2P	AC,P2	114					
Taylor	EXP F-115-14	VT2P	AC,P2	115					
Taylor	T5515	STX	AC,P5V	115					
Wyffels	W7456RIB	VT2P,B	AC,P2	112					
Wyffels	W7696RIB	VT2P,B	AC,P2	113					
Wyffels	W7976RIB	VT2P,B	AC,P2	113					
Wyffels	W8646	VT2P	AC,P5V	116					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. Catalyst [™] and Power Plus [®] brand seed is distributed by Burrus. HPT [®] brand seed is distributed by Hoegemeyer Hybrids, Innotech [™] brand seed is distributed by Rob-See-Co, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] and Phoenix [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , Power Plus [®] , RPM [®] , Supreme EX [®] , VPM [®] and XL [®] are registered trademarks of DuPont Pioneer. Catalyst [™] , Innotech [™] and Phoenix [®] are trademarks of Syngenta.
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)	GT	Agrisure [®] GT
3010	Agrisure [®] 3010 (CB,LL,GT)	HX	Herculex [®] 1, contains LL
3011,A	Agrisure [®] Artesian [®] (CB,RW,LL,GT)	HXRW	Herculex [®] Rootworm, contains LL
3110	Agrisure [®] Viptera [®] 3110 (Vip, CB,LL,GT)	HXT	Herculex [®] Xtra (HX,HXRW,LL)
3111	Agrisure [®] Viptera [®] 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink [®]
3120	Agrisure [®] 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure [®] 3122 (CB,HXX,RW,LL,GT)	OI	Optimum [®] Intrasect [®] , YHR (YGCB,HX,LL,RR2)
3220	Agrisure [®] Viptera [®] 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum [®] Intrasect [®] Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure [®] Artesian [®]	OIXT	Optimum [®] Intrasect [®] Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum [®] AcreMax [®] (YGCB,HX,LL,RR2)	PC	PowerCore [™] (HX, VT2P)
AMT	Optimum [®] AcreMax [®] TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready [®] 2 Corn
AMX	Optimum [®] AcreMax [®] Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure [®] Rootworm
AMXT	Optimum [®] AcreMax [®] Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax [®] (VT3P,HXT,RR2,LL)
AQ	Optimum [®] AQUAMax [®]	VT2P	Genuity [®] VT Double PRO [®]
B	Refuge Blend	VT3P	Genuity [®] VT Triple PRO [®]
CB	Agrisure [®] Corn Borer	YGCB	YieldGard [®] Corn Borer
DG	Genuity [®] DroughtGard [®]		

* The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments**

?	information unavailable	In	Intego [™] Solo
A	Allegiance [®]	L	Lorsban [®]
AC	Acceleron [®] fungicide products	Lu	Lumivia [™]
AL2500	Alert 2500 [™]	M	Maxim XL [®]
At	Actellic [®]	MQ	Maxim Quattro [®]
AVC	Avicta [®] Complete Corn	None	untreated
C2, C5, C1	Cruiser [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively	P2, P5, P1	Poncho [®] at 0.25, 0.5 and 1.25 mg ai/seed, respectively
CE	Cruiser Extreme [®]	R	Raxil [®]
CM	CruiserMaxx [®] Corn	SC	SHIELDCoat [™]
D	Dynasty [®]	V	Votivo [®]
Es	Escalate [®]	Vi	Vibrance [®]

** Seed treatments may include unspecified plant health promoting components.