

# 2017 Corn Grain Top 30 Harvest Report

Missouri North [ MONO ] BLUE RIDGE  
Doug Taggart, Harrison County, MO 64642



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

PREV. CROP/HERB: Soybean / 2,4-D, Roundup  
SOIL DESCRIPTION: Haig silt loam, mod. well drained, non-irrigated  
SOIL CONDITION: Conventional w/ fall till, high P, medium K, 6.2 pH, 2.9% OM, 14.9 CEC  
PEST MANAGEMENT: Sure Start II, Atrazine, Force  
FERTILITY - Applied N: 179 Spring  
Applied N-P-K (units): 179-85-71  
SEEDING - RATE - ROW: May 8 34,700 /A 30" spacing  
HARVESTED - STAND: Nov 4 30,600 /A

**Early-Season Test**  
**107 - 112 Day CRM**  
B2017MONO02a

**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
ProHarvest	8277Stax	STX	112	<b>249.7</b>	14.2	1	31.9	764	1
Renk	RK842SSTX	STX	112	<b>249.2</b>	14.3	1	31.4	763	2
AgriGold	A642-59STX	STX	112	<b>245.0</b>	14.3	1	31.9	750	3
Champion	62A18VT2PRO	VT2P	112	<b>243.3</b>	14.3	1	30.2	744	4
AgriGold	A641-78STX	STX	111	<b>242.3</b>	14.4	1	31.9	741	5
Taylor	EXP C-112-14	VT2P	112	<b>241.9</b>	14.4	2	29.7	740	6
Renk	RK877DGV2P	VT2P,DG,B	111	240.4	14.2	1	29.7	736	7
Taylor	8012VT2ProDGRIB	VT2P,DG,B	112	237.4	14.6	1	27.6	726	9
LG Seeds	LG5590VT2P	VT2P	110	233.9	14.3	1	29.3	716	10
NuTech/G2 Gen	X5FN-0909^	OI	109	232.9	14.0	1	30.6	713	11
MorCorn	MC3966VT2PRIB	VT2P,B	109	232.0	14.3	1	30.2	710	12
Taylor	8808VT2ProRIB	VT2P,B	108	231.9	14.1	1	31.4	710	13
NuTech	5VN-4707	3111	107	231.8	14.1	1	32.3	709	14
Pfister	71C1PCR	PC,B	111	231.5	14.6	1	31.9	708	15
Lewis	11DP768	VT2P,B	111	231.5	14.7	1	31.9	708	16
Renk	RK859DGV2P	VT2P,DG	112	230.7	14.5	2	29.7	706	17
Lewis	RD1511VT2P	VT2P,DG,B	111	230.5	14.7	1	31.4	705	18
AgriGold	A6499STXRIB	STX,B	112	230.4	14.5	1	29.3	705	19
NuTech	X5NN-1212	3000GT	112	229.3	14.6	1	29.3	702	20
Lewis	R1409VT2P	VT2P,B	109	229.1	14.2	2	30.6	701	21
NuTech/G2 Gen	5F-308^	AM,B	108	228.7	14.7	1	31.9	700	22
Lewis	10DP747	VT2P,B	110	228.2	14.6	1	29.7	698	23
NuTech/G2 Gen	5FB-1010^	AM,B	110	228.0	14.2	1	30.2	698	24
Wyffels	W6946DGRIB	VT2P,DG,B	111	227.9	14.1	2	31.4	697	25
LG Seeds	LG5618STXRIB	STX,B	112	227.3	14.3	1	31.4	696	26
Wyffels	W6898	STX	112	227.2	14.5	1	29.7	695	27
FS InVISION	FS 62TV1DG RIB	VT2P,DG,B	112	226.4	14.3	1	31.4	693	28
Pfister	72C6SS	STX	112	224.7	14.9	3	29.7	688	29
NuTech/G2 Gen	X5FN-1211^	OI	112	222.6	14.6	1	30.6	681	30
Pfister	70A1SSR	STX,B	110	222.2	14.2	1	28.9	680	31
MorCorn	MC4319VT2PRIB CK	VT2P,B	113	238.6	14.6	1	31.4	730	8

*William C. Schelp*  
William (Bill) Schelp

william.schelp@firstseedtests.com, (573) 819-7968

Averages =	<b>228.4</b>	<b>14.4</b>	<b>1</b>	<b>30.6</b>	<b>699</b>
LSD (0.10) =	13.1	0.3	ns		
LSD (0.25) =	6.9	0.1	1		
C.V. =	5.5	Prev. years average yield, 168.6 bu/a, 4 yrs			

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

**Test Comments:** *A stale seedbed provided consistent soil planting conditions. Uniform stands were observed. On August 1, we saw minimal amounts of disease with little plant stress. Just a good looking, uniform trial taking shape. Chicken manure was applied in early spring. The manure nutrient analysis provided to Doug, our host farmer, included calcium, sulfur, magnesium, copper, iron, zinc, and sodium.*

† 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: 11/06/2017 Revised:

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SOIL CONDITION: Conventional w/ fall till, high P, medium K, 6.2 pH, 2.9% OM, 14.9 CEC  
PEST MANAGEMENT: Sure Start II, Atrazine, Force  
FERTILITY - Applied N: 179 Spring  
Applied N-P-K (units): 179-85-71  
SEDED - RATE - ROW: May 8 34,700 /A 30" spacing  
HARVESTED - STAND: Nov 4 31,300 /A

**Full-Season Test**  
**113 - 116 Day CRM**  
B2017MONO02b

## 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
Dyna-Gro	D55VC45	VT2P	115	<b>256.9</b>	14.7	1	30.2	786	1
Wyffels	W8646	VT2P	116	<b>252.6</b>	14.7	1	31.4	773	2
FS InVISION	FS 66ZV1 RIB	VT2P,B	116	<b>252.0</b>	15.1	2	31.4	770	4
Renk	RK924DGV2P	VT2P,DG,B	114	<b>251.9</b>	14.6	1	31.4	771	3
Lewis	16DP887	VT2P,B	116	<b>251.6</b>	14.9	1	29.7	770	5
Renk	RK965SSTX	STX	116	<b>250.7</b>	14.7	1	32.3	767	6
FS InVISION	FS 64SV1 RIB	VT2P,B	114	<b>248.8</b>	14.4	2	31.4	761	7
Champion	66A18VT2PRO	VT2P	116	247.3	14.7	3	31.0	757	8
NuTech/G2 Gen	X5FN-1512^	OI	115	246.0	14.9	1	31.4	753	9
Taylor	T5515	STX	115	242.9	14.4	1	29.7	743	10
Champion	CSX65A17VT2PRO	VT2P	115	240.8	14.6	1	31.9	737	11
Wyffels	W7696RIB	VT2P,B	113	240.5	14.4	2	30.6	736	12
Lewis	15DP878	VT2P,B	115	240.0	14.6	1	29.7	734	13
Wyffels	W7456RIB	VT2P,B	112	239.6	14.9	2	31.9	733	14
Wyffels	W7976RIB	VT2P,B	113	239.5	14.4	1	29.3	733	15
AgriGold	A6652VT2RIB	VT2P,B	116	239.4	14.4	2	31.0	733	16
LG Seeds	LG5650VT2PRIB	VT2P,B	115	238.9	14.8	3	31.4	731	17
Champion	CSX63A17DGV2PRO	VT2P,DG	113	238.8	14.6	1	32.3	731	18
LG Seeds	LG5643VT2PRIB	VT2P,B	114	237.8	14.5	1	31.4	728	20
Taylor	8835VT2Pro	VT2P	114	237.8	14.8	2	31.0	728	21
AgriGold	A6572VT2RIB	VT2P,B	114	237.8	14.9	2	30.2	728	22
Lewis	R1414VT2P	VT2P,B	114	237.7	14.4	1	32.3	727	23
Renk	RK961VT2P	VT2P,B	116	237.7	14.6	1	32.7	727	24
MorCorn	MC4377DGV2PRIB	VT2P,DG,B	113	237.7	14.8	1	30.2	727	25
Dyna-Gro	D58VC65	VT2P	118	236.9	14.7	1	32.3	725	26
Taylor	EXP F-115-14	VT2P	115	236.8	14.9	1	31.4	725	27
Pfister	3488PCR	PC,B	115	236.8	15.0	1	31.0	725	28
MorCorn	MCXP1716	STX	114	234.9	14.6	1	31.9	719	29
Epley	E2305RR	RR2	113	233.6	14.5	1	29.7	715	30
Golden Harvest	G14R38-3120-EZR	3120,B	114	232.4	14.8	1	31.4	711	31
MorCorn	MC4319VT2PRIB CK	VT2P,B	113	238.6	14.4	3	31.4	730	19

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Averages =	<b>237.0</b>	<b>14.7</b>	<b>1</b>	<b>31.3</b>	<b>725</b>
LSD (0.10) =	11.2	0.3	1		
LSD (0.25) =	5.9	0.2	1		
C.V. =	4.5				Prev. years average yield, 168.6 bu/a, 4 yrs

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

**Test Comments:** *A stale seedbed provided consistent soil planting conditions. Uniform stands were observed. On August 1, we saw minimal amounts of disease with little plant stress. Just a good looking, uniform trial taking shape. Chicken manure was applied in early spring. The manure nutrient analysis provided to Doug, our host farmer, included calcium, sulfur, magnesium, copper, iron, zinc, and sodium.*

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2017 Corn Grain - Missouri North [ MONO ]



**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 <sup>®</sup> brand seed is distributed by NuTech Seed, LLC. Catalyst <sup>™</sup> and Power Plus <sup>®</sup> brand seed is distributed by Burrus. HPT <sup>®</sup> brand seed is distributed by Hoegemeyer Hybrids, Innotech <sup>™</sup> brand seed is distributed by Rob-See-Co, LLC. RPM <sup>®</sup> brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX <sup>®</sup> brand seed is distributed by Seed Consultants, Inc. VPM <sup>®</sup> brand seed is distributed by AgVenture, Inc. XL <sup>®</sup> and Phoenix <sup>®</sup> brand seed is distributed by Beck's Superior Hybrids. Curry <sup>®</sup> , G2 <sup>®</sup> , HPT <sup>®</sup> , Power Plus <sup>®</sup> , RPM <sup>®</sup> , Supreme EX <sup>®</sup> , VPM <sup>®</sup> and XL <sup>®</sup> are registered trademarks of DuPont Pioneer. Catalyst <sup>™</sup> , Innotech <sup>™</sup> and Phoenix <sup>®</sup> 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 <sup>®</sup> 3000GT (CB,RW,LL,GT)	GT	Agrisure <sup>®</sup> GT
3010	Agrisure <sup>®</sup> 3010 (CB,LL,GT)	HX	Herculex <sup>®</sup> 1, contains LL
3011,A	Agrisure <sup>®</sup> Artesian <sup>®</sup> (CB,RW,LL,GT)	HXRW	Herculex <sup>®</sup> Rootworm, contains LL
3110	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3110 (Vip, CB,LL,GT)	HXT	Herculex <sup>®</sup> Xtra (HX,HXRW,LL)
3111	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3111 (Vip,CB,RW,LL,GT)	LL	LibertyLink <sup>®</sup>
3120	Agrisure <sup>®</sup> 3120 (CB,HX,LL,GT)	None	conventional corn
3122	Agrisure <sup>®</sup> 3122 (CB,HXX,RW,LL,GT)	OI	Optimum <sup>®</sup> Intrasect <sup>®</sup> , YHR (YGCB,HX,LL,RR2)
3220	Agrisure <sup>®</sup> Viptera <sup>®</sup> 3220 (Vip,CB,HX,LL,GT)	OIX	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtra, YXR (YGCB,HXT,LL,RR2)
A	Agrisure <sup>®</sup> Artesian <sup>®</sup>	OIXT	Optimum <sup>®</sup> Intrasect <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)
AM	Optimum <sup>®</sup> AcreMax <sup>®</sup> (YGCB,HX,LL,RR2)	PC	PowerCore <sup>™</sup> (HX, VT2P)
AMT	Optimum <sup>®</sup> AcreMax <sup>®</sup> TRIsect (HX,RW,LL,RR2)	RR2	Roundup Ready <sup>®</sup> 2 Corn
AMX	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtra (YGCB,HXT,LL,RR2)	RW	Agrisure <sup>®</sup> Rootworm
AMXT	Optimum <sup>®</sup> AcreMax <sup>®</sup> Xtreme (YGCB,HXT,RW,LL,RR2)	STX	SmartStax <sup>®</sup> (VT3P,HXT,RR2,LL)
AQ	Optimum <sup>®</sup> AQUAMax <sup>®</sup>	VT2P	Genuity <sup>®</sup> VT Double PRO <sup>®</sup>
B	Refuge Blend	VT3P	Genuity <sup>®</sup> VT Triple PRO <sup>®</sup>
CB	Agrisure <sup>®</sup> Corn Borer	YGCB	YieldGard <sup>®</sup> Corn Borer
DG	Genuity <sup>®</sup> DroughtGard <sup>®</sup>		

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

### Corn Seed Treatments\*\*

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

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